

APPENDIX D

ANALYTICAL LABORATORY REPORTS w/CHAIN-OF-CUSTODY RECORDS



SHERRYLaboratories

Testing Today – Protecting Tomorrow®

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Greg Miller
ICON Environmental Services
1055 Convention Street, 2nd Floor
Baton Rouge, LA 708024771
TEL: (225) 344-8490
FAX (225) 344-6654

March 07, 2007
Order No.: L06110511

AB15-
AB22

RE: VPSB-White Lake

Dear Greg Miller:

Sherry Laboratories/Louisiana received 48 samples on 11/10/2006 for the analyses presented in the following report.

In accordance with your instructions, Sherry Laboratories/Louisiana conducted the analysis shown on the following pages on samples submitted by your company. The results related only to the items tested. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet all requirements of NELAC. All relevant sampling information is on the attached Chain-of-Custody form. A "#" by the test method indicates this parameter is outside the scope of accreditation.

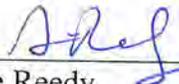
All soil samples except 29-B data are on a wet-weight basis unless otherwise indicated.

Louisiana Certification/Accreditation: 01997

A scope of Certified/Accredited parameters is available upon request.

If you have any questions regarding these test results, please feel free to call.

Sincerely,
Jerry Landry
Laboratory Director

Approved By: 
Annie Reedy
Assistant Laboratory Director

Total Pages in this Report 21

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Date: 07-Mar-07

CLIENT: ICON Environmental Services
Project: VPSB-White Lake
Lab Order: L06110511

CASE NARRATIVE

Unless specified by the client, a duplicate or MS/MSD, wherever applicable, is randomly selected and analyzed from each analytical batch provided sample volume is sufficient. The sample chosen for duplicate or MS/MSD may or may not be a sample submitted in this workorder. A method blank and/or a lab control sample (LCS)/lab control sample duplicate (LCSD), wherever applicable, are processed as a quality control check for each analytical batch. When the matrix QC data is not available due to insufficient sample volume or when the results indicate possible matrix effect, the validity of the batch is determined by the method blank and LCS/LCSD.

ESP was not analyzed for L06110511-08 or L06110511-35 due to insufficient sample amount.

Any other exceptions associated with this report will be footnoted in the results page(s) or the QC summary page(s).



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-01 **Collection Date:** 11/7/2006 12:28:00 PM **Sample ID:** AB15 (4-6)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	7.95	0.991		mg/Kg-dry	11/18/2006 12:23:36 AM	
Barium	522	0.991		mg/Kg-dry	11/18/2006 12:23:36 AM	
Cadmium	0.233	0.0991		mg/Kg-dry	11/18/2006 12:23:36 AM	
Chromium	14.8	0.991		mg/Kg-dry	11/18/2006 12:23:36 AM	
Lead	18.1	0.496		mg/Kg-dry	11/18/2006 12:23:36 AM	
Strontium	211	9.91		mg/Kg-dry	11/28/2006 11:43:21 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	88.3	30-148		%REC	11/16/2006 1:57:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				AS
Chlorides	6,750	2,000		mg/Kg-dry	11/28/2006 11:50:00 AM	
ELECTRICAL CONDUCTIVITY		29B				AG
Electrical Conductivity	15.0	0.100		mmhos/cm	11/20/2006 5:45:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE		29B				MB
Exchangeable Sodium %	31.2	0.100		%	12/18/2006 4:53:00 PM	
PERCENT MOISTURE		SW9071 #				AG
Percent Moisture	76.4	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO		29B				STS
Sodium Adsorption Ratio	36.4	0.100		meq	12/1/2006 2:28:53 PM	
Soluble Calcium	18.0	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	35.3	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	188	1.00		meq	12/1/2006 2:28:53 PM	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	51.4	10.0		mg/Kg	11/16/2006 1:57:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/16/2006 1:57:00 PM	
TRUE TOTAL BARIUM		29B				STS
True Total Barium	867	46.3		ppm	11/22/2006 3:37:09 AM	

Qualifiers: +DO - Diluted out due to dilution

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds MCL or Permit Limitation

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

MI+ - Matrix Interference

H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-02 **Collection Date:** 11/7/2006 12:34:00 PM **Sample ID:** AB15 (12-14)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	7.82	0.990		mg/Kg-dry	11/18/2006 12:27:36 AM	
Barium	101	0.990		mg/Kg-dry	11/18/2006 12:27:36 AM	
Cadmium	0.148	0.0990		mg/Kg-dry	11/18/2006 12:27:36 AM	
Chromium	9.22	0.990		mg/Kg-dry	11/18/2006 12:27:36 AM	
Lead	11.4	0.495		mg/Kg-dry	11/18/2006 12:27:36 AM	
Strontium	34.2	0.990		mg/Kg-dry	11/18/2006 12:27:36 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	82.9	30-148		%REC	11/16/2006 2:04:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				AS
Chlorides	5,250	2,000		mg/Kg-dry	11/29/2006 12:40:00 PM	
ELECTRICAL CONDUCTIVITY		29B				AG
Electrical Conductivity	14.1	0.100		mmhos/cm	11/20/2006 5:45:00 PM	
PERCENT MOISTURE		SW9071 #				AG
Percent Moisture	23.2	0.0100		wt%	11/13/2006	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/16/2006 2:04:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/16/2006 2:04:00 PM	
TRUE TOTAL BARIUM		29B				STS
True Total Barium	119	46.3		ppm	11/22/2006 3:41:21 AM	

Qualifiers:

- +DO - Diluted out due to dilution
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-03 **Collection Date:** 11/7/2006 12:37:00 PM **Sample ID:** AB15 (14-16)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	4,750	M4500-CL B 2,000		mg/Kg-dry	11/29/2006 12:40:00 PM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	13.5	29B 0.100		mmhos/cm	11/20/2006 5:45:00 PM	AG
PERCENT MOISTURE Percent Moisture	23.0	SW9071 # 0.0100		wt%	11/13/2006	AG

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-04 **Collection Date:** 11/7/2006 12:40:00 PM **Sample ID:** AB15 (16-18)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	4,750	M4500-CL B 2,000		mg/Kg-dry	11/29/2006 12:40:00 PM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	11.1	29B 0.100		mmhos/cm	11/20/2006 5:45:00 PM	AG
PERCENT MOISTURE Percent Moisture	19.0	SW9071 # 0.0100		wt%	11/13/2006	AG

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-05 **Collection Date:** 11/7/2006 12:46:00 PM **Sample ID:** AB15 (18-20)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	4,050	M4500-CL B 400		mg/Kg-dry	11/29/2006 12:40:00 PM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	9.90	29B 0.100		mmhos/cm	11/20/2006 5:45:00 PM	AG
PERCENT MOISTURE Percent Moisture	19.4	SW9071 # 0.0100		wt%	11/13/2006	AG

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-06 **Collection Date:** 11/7/2006 12:57:00 PM **Sample ID:** AB15 (24-26)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	6,250	M4500-CL B 2,000		mg/Kg-dry	11/29/2006 12:40:00 PM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	14.9	29B 0.100		mmhos/cm	11/20/2006 5:45:00 PM	AG
PERCENT MOISTURE Percent Moisture	20.3	SW9071 # 0.0100		wt%	11/13/2006	AG

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-07 **Collection Date:** 11/7/2006 2:19:00 PM **Sample ID:** AB16 (4-6)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						
						STS
Arsenic	7.98	0.995		mg/Kg-dry	11/18/2006 12:41:01 AM	
Barium	563	0.995		mg/Kg-dry	11/18/2006 12:41:01 AM	
Cadmium	0.267	0.0995		mg/Kg-dry	11/18/2006 12:41:01 AM	
Chromium	14.7	0.995		mg/Kg-dry	11/18/2006 12:41:01 AM	
Lead	20.6	0.498		mg/Kg-dry	11/18/2006 12:41:01 AM	
Strontium	105	9.95		mg/Kg-dry	11/28/2006 11:47:36 PM	
SOLUBLE CHLORIDE						
						AS
Chlorides	4,250	2,000		mg/Kg-dry	11/28/2006 11:50:00 AM	
ELECTRICAL CONDUCTIVITY						
						AG
Electrical Conductivity	11.6	0.100		mmhos/cm	11/20/2006 5:45:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE						
						MB
Exchangeable Sodium %	37.2	0.100		%	12/11/2006 1:06:00 PM	
PERCENT MOISTURE						
						AG
Percent Moisture	66.4	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO						
						STS
Sodium Adsorption Ratio	12.0	0.100		meq	12/1/2006 2:28:53 PM	
Soluble Calcium	< 1.00	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	1.84	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	12.8	1.00		meq	12/1/2006 2:28:53 PM	
TRUE TOTAL BARIUM						
						STS
True Total Barium	785	48.6		ppm	11/22/2006 3:45:33 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-08 **Collection Date:** 11/7/2006 2:23:00 AM **Sample ID:** AB16 (8-10)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	4.66	0.992		mg/Kg-dry	11/18/2006 12:45:14 AM	
Barium	193	0.992		mg/Kg-dry	11/18/2006 12:45:14 AM	
Cadmium	< 0.0992	0.0992		mg/Kg-dry	11/18/2006 12:45:14 AM	
Chromium	12.2	0.992		mg/Kg-dry	11/18/2006 12:45:14 AM	
Lead	15.0	0.496		mg/Kg-dry	11/18/2006 12:45:14 AM	
Strontium	113	9.92		mg/Kg-dry	11/28/2006 11:51:50 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	14,800	2,000	H	mg/Kg-dry	12/29/2006 3:40:00 PM	
ELECTRICAL CONDUCTIVITY		29B				AG
Electrical Conductivity	21.5	0.100	H	mmhos/cm	12/11/2006 10:40:00 AM	
PERCENT MOISTURE		SW9071 #				AG
Percent Moisture	59.3	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO		29B				STS
Sodium Adsorption Ratio	72.4	0.100		meq	12/1/2006 2:28:53 PM	
Soluble Calcium	24.7	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	22.4	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	351	1.00		meq	12/1/2006 2:28:53 PM	
TRUE TOTAL BARIUM		29B				STS
True Total Barium	288	47.8		ppm	11/22/2006 3:49:46 AM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-09 **Collection Date:** 11/7/2006 2:26:00 PM **Sample ID:** AB16 (10-12)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	79.2	30-148		%REC	11/16/2006 2:10:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	50,200	2,000	H	mg/Kg-dry	12/6/2006 2:35:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	92.5	0.500		mmhos/cm	11/30/2006 1:11:00 PM	MB
EXCHANGEABLE SODIUM PERCENTAGE Exchangeable Sodium %	100	0.100		%	12/11/2006 1:06:00 PM	MB
PERCENT MOISTURE Percent Moisture	69.5	0.0100		wt%	11/13/2006	AG
SODIUM ADSORPTION RATIO Sodium Adsorption Ratio	36.6	0.100		meq	12/1/2006 2:28:53 PM	STS
Soluble Calcium	7.96	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	9.50	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	108	1.00		meq	12/1/2006 2:28:53 PM	
TPH BY GC/FID TPH (Diesel Range)	21.6	10.0		mg/Kg	11/16/2006 2:10:00 PM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/16/2006 2:10:00 PM	

Qualifiers:

+DO - Diluted out due to dilution

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds MCL or Permit Limitation

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

MI+ - Matrix Interference

H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-10 **Collection Date:** 11/7/2006 2:28:00 PM **Sample ID:** AB16 (12-14)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	91.2	30-148		%REC	11/16/2006 2:17:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	6,500	2,000		mg/Kg-dry	11/29/2006 12:40:00 PM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	15.4	0.100		mmhos/cm	11/20/2006 5:45:00 PM	AG
PERCENT MOISTURE Percent Moisture	25.4	0.0100		wt%	11/13/2006	AG
TPH BY GC/FID TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/16/2006 2:17:00 PM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/16/2006 2:17:00 PM	SBH

Qualifiers:

- +DO - Diluted out due to dilution
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation
- S - Spike Recovery outside accepted recovery limits
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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-11 **Collection Date:** 11/7/2006 2:31:00 PM **Sample ID:** AB-16 (14-16)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	4,250	M4500-CL B 2,000		mg/Kg-dry	11/29/2006 12:40:00 PM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	13.4	29B 0.100		mmhos/cm	11/20/2006 5:45:00 PM	AG
PERCENT MOISTURE Percent Moisture	25.7	SW9071 # 0.0100		wt%	11/13/2006	AG

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-12 **Collection Date:** 11/7/2006 2:34:00 PM **Sample ID:** AB16 (16-18)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	4,200	M4500-CL B 400		mg/Kg-dry	11/29/2006 12:40:00 PM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	9.46	29B 0.100		mmhos/cm	11/20/2006 5:45:00 PM	AG
PERCENT MOISTURE Percent Moisture	20.1	SW9071 # 0.0100		wt%	11/13/2006	AG

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-13 **Collection Date:** 11/7/2006 2:47:00 PM **Sample ID:** AB16 (24-26)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	1,440	M4500-CL B 80.0		mg/Kg-dry	11/29/2006 12:40:00 PM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	4.83	29B 0.100		mmhos/cm	11/20/2006 5:45:00 PM	AG
PERCENT MOISTURE Percent Moisture	21.1	SW9071 # 0.0100		wt%	11/13/2006	AG

- Qualifiers:**
- +DO - Diluted out due to dilution
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 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-14 **Collection Date:** 11/8/2006 9:52:00 AM **Sample ID:** AB18 (4-6)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B		STS		
Arsenic	8.04	0.992		mg/Kg-dry	11/18/2006 12:49:27 AM	
Barium	375	0.992		mg/Kg-dry	11/18/2006 12:49:27 AM	
Cadmium	0.228	0.0992		mg/Kg-dry	11/18/2006 12:49:27 AM	
Chromium	13.9	0.992		mg/Kg-dry	11/18/2006 12:49:27 AM	
Lead	17.7	0.496		mg/Kg-dry	11/18/2006 12:49:27 AM	
Strontium	112	9.92		mg/Kg-dry	11/29/2006 12:04:53 AM	
SOLUBLE CHLORIDE		M4500-CL B		AS		
Chlorides	3,950	400		mg/Kg-dry	11/28/2006 11:50:00 AM	
ELECTRICAL CONDUCTIVITY		29B		AG		
Electrical Conductivity	10.8	0.100		mmhos/cm	11/20/2006 5:45:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE		29B		MB		
Exchangeable Sodium %	8.67	0.100		%	12/11/2006 1:06:00 PM	
PERCENT MOISTURE		SW9071 #		AG		
Percent Moisture	80.2	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO		29B		STS		
Sodium Adsorption Ratio	17.0	0.100		meq	12/1/2006 2:28:53 PM	
Soluble Calcium	20.4	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	49.9	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	101	1.00		meq	12/1/2006 2:28:53 PM	
TRUE TOTAL BARIUM		29B		STS		
True Total Barium	607	46.1		ppm	11/22/2006 3:53:58 AM	

Qualifiers:

- +DO - Diluted out due to dilution
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- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-15 **Collection Date:** 11/8/2006 9:55:00 AM **Sample ID:** AB18 (6-8)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	750	M4500-CL B 400		mg/Kg-dry	11/28/2006 11:50:00 AM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	4.13	29B 0.100		mmhos/cm	11/20/2006 5:45:00 PM	AG
EXCHANGEABLE SODIUM PERCENTAGE Exchangeable Sodium %	17.7	29B 0.100		%	12/11/2006 1:06:00 PM	MB
PERCENT MOISTURE Percent Moisture	46.9	SW9071 # 0.0100		wt%	11/13/2006	AG
SODIUM ADSORPTION RATIO Sodium Adsorption Ratio	18.5	29B 0.100		meq	12/1/2006 2:28:53 PM	STS
Soluble Calcium	3.71	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	5.18	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	39.0	1.00		meq	12/1/2006 2:28:53 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-16 **Collection Date:** 11/8/2006 10:00:00 A **Sample ID:** AB18 (10-12)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
Arsenic	26.6	0.992		mg/Kg-dry	11/18/2006 12:53:27 AM	
Barium	254	0.992		mg/Kg-dry	11/18/2006 12:53:27 AM	
Cadmium	0.415	0.0992		mg/Kg-dry	11/18/2006 12:53:27 AM	
Chromium	8.64	0.992		mg/Kg-dry	11/18/2006 12:53:27 AM	
Lead	14.9	0.496		mg/Kg-dry	11/18/2006 12:53:27 AM	
Strontium	25.7	0.992		mg/Kg-dry	11/18/2006 12:53:27 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)						SBH
Surr: n-Pentacosane	87.4	30-148		%REC	11/16/2006 2:23:00 PM	
SOLUBLE CHLORIDE						AS
Chlorides	350	80.0		mg/Kg-dry	11/28/2006 11:50:00 AM	
ELECTRICAL CONDUCTIVITY						AG
Electrical Conductivity	3.56	0.100		mmhos/cm	11/20/2006 5:45:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE						MB
Exchangeable Sodium %	20.5	0.100		%	12/11/2006 1:06:00 PM	
PERCENT MOISTURE						AG
Percent Moisture	35.6	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO						STS
Sodium Adsorption Ratio	19.8	0.100		meq	12/1/2006 2:28:53 PM	
Soluble Calcium	3.56	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	4.06	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	38.7	1.00		meq	12/1/2006 2:28:53 PM	
TPH BY GC/FID						SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/16/2006 2:23:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/16/2006 2:23:00 PM	
TRUE TOTAL BARIUM						STS
True Total Barium	316	46.8		ppm	11/22/2006 3:58:12 AM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-17 **Collection Date:** 11/8/2006 10:01:00 A **Sample ID:** AB18 (12-14)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	91.5	30-148		%REC	11/16/2006 2:30:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	210	80.0		mg/Kg-dry	11/29/2006 12:40:00 PM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	1.82	0.100		mmhos/cm	11/20/2006 5:45:00 PM	AG
PERCENT MOISTURE Percent Moisture	20.8	0.0100		wt%	11/13/2006	AG
TPH BY GC/FID TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/16/2006 2:30:00 PM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/16/2006 2:30:00 PM	SBH

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-18 **Collection Date:** 11/8/2006 10:04:00 A **Sample ID:** AB18 (14-16)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	200	M4500-CL B 80.0		mg/Kg-dry	11/29/2006 12:40:00 PM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	2.14	29B 0.100		mmhos/cm	11/20/2006 5:45:00 PM	AG
PERCENT MOISTURE Percent Moisture	22.5	SW9071 # 0.0100		wt%	11/13/2006	AG

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-19 **Collection Date:** 11/8/2006 10:13:00 A **Sample ID:** AB18 (16-18)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	220	M4500-CL B 80.0		mg/Kg-dry	11/29/2006 12:40:00 PM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	2.51	29B 0.100		mmhos/cm	11/20/2006 5:45:00 PM	AG
PERCENT MOISTURE Percent Moisture	20.6	SW9071 # 0.0100		wt%	11/13/2006	AG

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-20 **Collection Date:** 11/8/2006 10:20:00 A **Sample ID:** AB18 (18-20)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	3,550	M4500-CL B 400		mg/Kg-dry	11/29/2006 12:40:00 PM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	8.39	29B 0.100		mmhos/cm	11/20/2006 5:45:00 PM	AG
PERCENT MOISTURE Percent Moisture	25.9	SW9071 # 0.0100		wt%	11/13/2006	AG

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-21 **Collection Date:** 11/8/2006 10:32:00 A **Sample ID:** AB18 (24-26)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	670	M4500-CL B 80.0		mg/Kg-dry	11/30/2006 10:45:00 AM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	2.77	29B 0.100		mmhos/cm	11/20/2006 6:30:00 PM	AG
PERCENT MOISTURE Percent Moisture	23.5	SW9071 # 0.0100		wt%	11/13/2006	AG

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-22 **Collection Date:** 11/8/2006 10:59:00 A **Sample ID:** AB19 (4-6)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	5.97	0.999		mg/Kg-dry	11/18/2006 12:57:46 AM	
Barium	211	0.999		mg/Kg-dry	11/18/2006 12:57:46 AM	
Cadmium	0.107	0.0999		mg/Kg-dry	11/18/2006 12:57:46 AM	
Chromium	12.1	0.999		mg/Kg-dry	11/18/2006 12:57:46 AM	
Lead	13.8	0.500		mg/Kg-dry	11/18/2006 12:57:46 AM	
Strontium	59.3	0.999		mg/Kg-dry	11/18/2006 12:57:46 AM	
SOLUBLE CHLORIDE		M4500-CL B				AS
Chlorides	3,950	400		mg/Kg-dry	11/28/2006 11:50:00 AM	
ELECTRICAL CONDUCTIVITY		29B				AG
Electrical Conductivity	9.82	0.100		mmhos/cm	11/20/2006 6:30:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE		29B				MB
Exchangeable Sodium %	9.83	0.100		%	12/11/2006 1:06:00 PM	
PERCENT MOISTURE		SW9071 #				AG
Percent Moisture	70.2	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO		29B				STS
Sodium Adsorption Ratio	17.0	0.100		meq	12/1/2006 2:28:53 PM	
Soluble Calcium	19.5	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	46.3	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	97.2	1.00		meq	12/1/2006 2:28:53 PM	
TRUE TOTAL BARIUM		29B				STS
True Total Barium	321	46.3		ppm	11/22/2006 4:02:23 AM	

- | | | |
|--------------------|---|---|
| Qualifiers: | +DO - Diluted out due to dilution | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | MI+ - Matrix Interference |
| | * - Value exceeds MCL or Permit Limitation | H - Exceeds Holding Time |



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-23 **Collection Date:** 11/8/2006 11:04:00 A **Sample ID:** AB19 (6-8)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	2,150	M4500-CL B 400		mg/Kg-dry	11/28/2006 11:50:00 AM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	8.16	29B 0.100		mmhos/cm	11/20/2006 6:30:00 PM	AG
EXCHANGEABLE SODIUM PERCENTAGE Exchangeable Sodium %	5.63	29B 0.100		%	12/11/2006 1:06:00 PM	MB
PERCENT MOISTURE Percent Moisture	63.6	SW9071 # 0.0100		wt%	11/13/2006	AG
SODIUM ADSORPTION RATIO Sodium Adsorption Ratio	12.2	29B 0.100		meq	12/1/2006 2:28:53 PM	STS
Soluble Calcium	23.8	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	53.4	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	76.0	1.00		meq	12/1/2006 2:28:53 PM	

- | | | |
|--------------------|---|---|
| Qualifiers: | +DO - Diluted out due to dilution | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | MI+ - Matrix Interference |
| | * - Value exceeds MCL or Permit Limitation | H - Exceeds Holding Time |



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CLIENT: ICON Environmental Services
Lab Order: L06110511
Project: VPSB-White Lake

Date Received: 11/10/2006
Date Reported: 07-Mar-07

Lab ID: L06110511-24 **Collection Date:** 11/8/2006 11:07:00 A **Sample ID:** AB19 (8-10)
Matrix: SOIL **Tag Number:**

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
Arsenic	5.18	0.992		mg/Kg-dry	11/18/2006 1:02:21 AM	
Barium	280	0.992		mg/Kg-dry	11/18/2006 1:02:21 AM	
Cadmium	< 0.0992	0.0992		mg/Kg-dry	11/18/2006 1:02:21 AM	
Chromium	9.47	0.992		mg/Kg-dry	11/18/2006 1:02:21 AM	
Lead	14.2	0.496		mg/Kg-dry	11/18/2006 1:02:21 AM	
Strontium	32.9	0.992		mg/Kg-dry	11/18/2006 1:02:21 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)						SBH
Surr: n-Pentacosane	65.0	30-148		%REC	11/17/2006 8:59:00 AM	
SOLUBLE CHLORIDE						AS
Chlorides	1,040	80.0		mg/Kg-dry	11/28/2006 11:50:00 AM	
ELECTRICAL CONDUCTIVITY						AG
Electrical Conductivity	4.04	0.100		mmhos/cm	11/20/2006 6:30:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE						MB
Exchangeable Sodium %	5.73	0.100		%	12/11/2006 1:06:00 PM	
PERCENT MOISTURE						AG
Percent Moisture	40.9	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO						STS
Sodium Adsorption Ratio	9.86	0.100		meq	12/1/2006 2:28:53 PM	
Soluble Calcium	9.95	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	14.2	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	34.2	1.00		meq	12/1/2006 2:28:53 PM	
TPH BY GC/FID						SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/17/2006 8:59:00 AM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/17/2006 8:59:00 AM	
TRUE TOTAL BARIUM						STS
True Total Barium	399	45.9		ppm	11/22/2006 4:18:00 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-25 **Collection Date:** 11/8/2006 11:12:00 A **Sample ID:** AB19 (10-12)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	730	M4500-CL B 80.0		mg/Kg-dry	11/28/2006 11:50:00 AM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	2.94	29B 0.100		mmhos/cm	11/20/2006 6:30:00 PM	AG
EXCHANGEABLE SODIUM PERCENTAGE Exchangeable Sodium %	8.20	29B 0.100		%	12/11/2006 1:06:00 PM	MB
PERCENT MOISTURE Percent Moisture	29.8	SW9071 # 0.0100		wt%	11/13/2006	AG
SODIUM ADSORPTION RATIO Sodium Adsorption Ratio	10.4	29B 0.100		meq	12/1/2006 2:28:53 PM	STS
Soluble Calcium	3.55	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	6.33	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	23.2	1.00		meq	12/1/2006 2:28:53 PM	

Qualifiers:

- +DO - Diluted out due to dilution
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-26 **Collection Date:** 11/8/2006 11:15:00 A **Sample ID:** AB19 (12-14)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	81.2	SW8015B 30-148		%REC	11/17/2006 9:06:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	530	M4500-CL B 40.0		mg/Kg-dry	11/30/2006 10:45:00 AM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	1.91	29B 0.100		mmhos/cm	11/20/2006 6:30:00 PM	AG
PERCENT MOISTURE Percent Moisture	28.3	SW9071 # 0.0100		wt%	11/13/2006	AG
TPH BY GC/FID TPH (Diesel Range)	< 10.0	SW8015B 10.0		mg/Kg	11/17/2006 9:06:00 AM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/17/2006 9:06:00 AM	SBH

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-27 **Collection Date:** 11/8/2006 11:20:00 A **Sample ID:** AB19 (14-16)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	560	M4500-CL B 40.0		mg/Kg-dry	11/30/2006 10:45:00 AM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	1.85	29B 0.100		mmhos/cm	11/20/2006 6:30:00 PM	AG
PERCENT MOISTURE Percent Moisture	25.4	SW9071 # 0.0100		wt%	11/13/2006	AG

Qualifiers:

+DO - Diluted out due to dilution

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds MCL or Permit Limitation

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

MI+ - Matrix Interference

H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-28 **Collection Date:** 11/8/2006 12:51:00 PM **Sample ID:** AB20 (6-8)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						
						STS
Arsenic	4.98	0.997		mg/Kg-dry	11/18/2006 1:06:59 AM	
Barium	138	0.997		mg/Kg-dry	11/18/2006 1:06:59 AM	
Cadmium	0.117	0.0997		mg/Kg-dry	11/18/2006 1:06:59 AM	
Chromium	11.7	0.997		mg/Kg-dry	11/18/2006 1:06:59 AM	
Lead	13.8	0.499		mg/Kg-dry	11/18/2006 1:06:59 AM	
Strontium	72.0	0.997		mg/Kg-dry	11/18/2006 1:06:59 AM	
SOLUBLE CHLORIDE						
						AS
Chlorides	11,800	2,000		mg/Kg-dry	11/28/2006 11:50:00 AM	
ELECTRICAL CONDUCTIVITY						
						AG
Electrical Conductivity	18.4	0.100		mmhos/cm	11/20/2006 6:30:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE						
						MB
Exchangeable Sodium %	2.55	0.100		%	12/18/2006 4:53:00 PM	
PERCENT MOISTURE						
						AG
Percent Moisture	61.3	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO						
						STS
Sodium Adsorption Ratio	47.0	0.100		meq	12/1/2006 2:28:53 PM	
Soluble Calcium	29.2	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	49.8	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	296	1.00		meq	12/1/2006 2:28:53 PM	
TRUE TOTAL BARIUM						
						STS
True Total Barium	305	46.5		ppm	11/22/2006 4:22:12 AM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-29 **Collection Date:** 11/8/2006 12:55:00 PM **Sample ID:** AB20 (10-12)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
Arsenic	7.88	0.997		mg/Kg-dry	11/18/2006 1:11:41 AM	
Barium	143	0.997		mg/Kg-dry	11/18/2006 1:11:41 AM	
Cadmium	0.206	0.0997		mg/Kg-dry	11/18/2006 1:11:41 AM	
Chromium	11.9	0.997		mg/Kg-dry	11/18/2006 1:11:41 AM	
Lead	15.4	0.498		mg/Kg-dry	11/18/2006 1:11:41 AM	
Strontium	47.0	0.997		mg/Kg-dry	11/18/2006 1:11:41 AM	
SOLUBLE CHLORIDE						AS
Chlorides	6,250	2,000		mg/Kg-dry	11/28/2006 11:50:00 AM	
ELECTRICAL CONDUCTIVITY						AG
Electrical Conductivity	13.4	0.100		mmhos/cm	11/20/2006 6:30:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE						MB
Exchangeable Sodium %	16.0	0.100		%	12/11/2006 1:06:00 PM	
PERCENT MOISTURE						AG
Percent Moisture	54.4	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO						STS
Sodium Adsorption Ratio	28.8	0.100		meq	12/1/2006 2:28:53 PM	
Soluble Calcium	21.0	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	45.5	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	166	1.00		meq	12/1/2006 2:28:53 PM	
TRUE TOTAL BARIUM						STS
True Total Barium	194	46.0		ppm	11/22/2006 4:26:24 AM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-30 **Collection Date:** 11/8/2006 12:58:00 PM **Sample ID:** AB20 (12-14)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	2,350	M4500-CL B 400		mg/Kg-dry	11/30/2006 10:45:00 AM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	6.78	29B 0.100		mmhos/cm	11/20/2006 6:30:00 PM	AG
PERCENT MOISTURE Percent Moisture	38.1	SW9071 # 0.0100		wt%	11/13/2006	AG

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-31 **Collection Date:** 11/8/2006 1:02:00 PM **Sample ID:** AB20 (14-16)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	82.5	30-148		%REC	11/17/2006 9:12:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	950	400		mg/Kg-dry	11/30/2006 10:45:00 AM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	4.29	0.100		mmhos/cm	11/20/2006 6:30:00 PM	AG
PERCENT MOISTURE Percent Moisture	36.5	0.0100		wt%	11/13/2006	AG
TPH BY GC/FID TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/17/2006 9:12:00 AM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/17/2006 9:12:00 AM	SBH

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-32 **Collection Date:** 11/8/2006 1:05:00 PM **Sample ID:** AB20 (16-18)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	68.8	SW8015B 30-148		%REC	11/17/2006 9:18:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	175	M4500-CL B 40.0		mg/Kg-dry	11/30/2006 10:45:00 AM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	1.16	29B 0.100		mmhos/cm	11/20/2006 6:30:00 PM	AG
PERCENT MOISTURE Percent Moisture	27.8	SW9071 # 0.0100		wt%	11/13/2006	AG
TPH BY GC/FID TPH (Diesel Range)	< 10.0	SW8015B 10.0		mg/Kg	11/17/2006 9:18:00 AM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/17/2006 9:18:00 AM	SBH

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-33 **Collection Date:** 11/8/2006 1:13:00 PM **Sample ID:** AB20 (18-20)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	210	M4500-CL B 40.0		mg/Kg-dry	11/30/2006 10:45:00 AM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	1.03	29B 0.100		mmhos/cm	11/20/2006 6:30:00 PM	AG
PERCENT MOISTURE Percent Moisture	25.6	SW9071 # 0.0100		wt%	11/13/2006	AG

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-34 **Collection Date:** 11/8/2006 1:20:00 PM **Sample ID:** AB20 (24-26)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	250	M4500-CL B 80.0		mg/Kg-dry	11/30/2006 10:45:00 AM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	1.22	29B 0.100		mmhos/cm	11/20/2006 6:30:00 PM	AG
PERCENT MOISTURE Percent Moisture	24.1	SW9071 # 0.0100		wt%	11/13/2006	AG

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-35 **Collection Date:** 11/8/2006 1:43:00 PM **Sample ID:** AB21 (4-6)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						
						STS
Arsenic	8.40	0.998		mg/Kg-dry	11/18/2006 1:16:15 AM	
Barium	232	0.998		mg/Kg-dry	11/18/2006 1:16:15 AM	
Cadmium	0.200	0.0998		mg/Kg-dry	11/18/2006 1:16:15 AM	
Chromium	10.7	0.998		mg/Kg-dry	11/18/2006 1:16:15 AM	
Lead	13.3	0.499		mg/Kg-dry	11/18/2006 1:16:15 AM	
Strontium	141	9.98		mg/Kg-dry	11/29/2006 12:09:07 AM	
SOLUBLE CHLORIDE						
						SP
Chlorides	13,500	2,000	H	mg/Kg-dry	12/29/2006 3:40:00 PM	
ELECTRICAL CONDUCTIVITY						
						AG
Electrical Conductivity	20.8	0.100	H	mmhos/cm	12/11/2006 10:40:00 AM	
PERCENT MOISTURE						
						AG
Percent Moisture	86.1	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO						
						STS
Sodium Adsorption Ratio	27.1	0.100		meq	12/1/2006 2:28:53 PM	
Soluble Calcium	31.7	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	75.2	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	198	1.00		meq	12/1/2006 2:28:53 PM	
TRUE TOTAL BARIUM						
						STS
True Total Barium	353	47.5		ppm	11/22/2006 4:30:36 AM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-36 **Collection Date:** 11/8/2006 1:49:00 PM **Sample ID:** AB21 (6-8)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
Arsenic	4.73	0.992		mg/Kg-dry	11/18/2006 1:20:15 AM	
Barium	134	0.992		mg/Kg-dry	11/18/2006 1:20:15 AM	
Cadmium	< 0.0992	0.0992		mg/Kg-dry	11/18/2006 1:20:15 AM	
Chromium	12.2	0.992		mg/Kg-dry	11/18/2006 1:20:15 AM	
Lead	13.3	0.496		mg/Kg-dry	11/18/2006 1:20:15 AM	
Strontium	79.0	0.992		mg/Kg-dry	11/18/2006 1:20:15 AM	
SOLUBLE CHLORIDE						AS
Chlorides	12,200	2,000		mg/Kg-dry	11/28/2006 11:50:00 AM	
ELECTRICAL CONDUCTIVITY						AG
Electrical Conductivity	19.4	0.100		mmhos/cm	11/20/2006 6:30:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE						MB
Exchangeable Sodium %	19.9	0.100		%	12/18/2006 4:53:00 PM	
PERCENT MOISTURE						AG
Percent Moisture	59.6	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO						STS
Sodium Adsorption Ratio	33.2	0.100		meq	12/1/2006 2:28:53 PM	
Soluble Calcium	37.4	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	93.3	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	269	1.00		meq	12/1/2006 2:28:53 PM	
TRUE TOTAL BARIUM						STS
True Total Barium	198	45.7		ppm	11/22/2006 4:34:48 AM	

Qualifiers:

+DO - Diluted out due to dilution

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds MCL or Permit Limitation

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

MI+ - Matrix Interference

H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-37 **Collection Date:** 11/8/2006 1:51:00 PM **Sample ID:** AB21 (8-10)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	79.2	30-148		%REC	11/17/2006 9:25:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	19,000	2,000		mg/Kg-dry	11/28/2006 2:10:00 PM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	24.9	0.100		mmhos/cm	11/20/2006 6:30:00 PM	AG
EXCHANGEABLE SODIUM PERCENTAGE Exchangeable Sodium %	56.1	0.100		%	12/18/2006 4:53:00 PM	MB
PERCENT MOISTURE Percent Moisture	69.6	0.0100		wt%	11/13/2006	AG
SODIUM ADSORPTION RATIO Sodium Adsorption Ratio	38.0	0.100		meq	12/1/2006 2:28:53 PM	STS
Soluble Calcium	68.2	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	171	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	416	1.00		meq	12/1/2006 2:28:53 PM	
TPH BY GC/FID TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/17/2006 9:25:00 AM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/17/2006 9:25:00 AM	

Qualifiers:

+DO - Diluted out due to dilution

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds MCL or Permit Limitation

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

MI+ - Matrix Interference

H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-38 **Collection Date:** 11/8/2006 1:53:00 PM **Sample ID:** AB21 (10-12)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	37,500	M4500-CL B 2,000		mg/Kg-dry	12/6/2006 2:35:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	69.0	29B 0.500		mmhos/cm	11/30/2006 1:11:00 PM	MB
EXCHANGEABLE SODIUM PERCENTAGE Exchangeable Sodium %	54.0	29B 0.100		%	12/18/2006 4:53:00 PM	MB
PERCENT MOISTURE Percent Moisture	80.7	SW9071 # 0.0100		wt%	11/13/2006	AG
SODIUM ADSORPTION RATIO Sodium Adsorption Ratio	46.1	29B 0.100		meq	12/1/2006 2:28:53 PM	STS
Soluble Calcium	105	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	262	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	625	1.00		meq	12/1/2006 2:28:53 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-39 **Collection Date:** 11/8/2006 1:55:00 PM **Sample ID:** AB21 (12-14)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	76.1	30-148		%REC	11/17/2006 9:31:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	15,000	2,000		mg/Kg-dry	11/30/2006 10:45:00 AM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	23.1	0.100		mmhos/cm	11/20/2006 6:30:00 PM	AG
PERCENT MOISTURE Percent Moisture	60.2	0.0100		wt%	11/13/2006	AG
TPH BY GC/FID TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/17/2006 9:31:00 AM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/17/2006 9:31:00 AM	SBH

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-40 **Collection Date:** 11/8/2006 1:58:00 PM **Sample ID:** AB21 (14-16)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	4,800	M4500-CL B 400		mg/Kg-dry	11/30/2006 10:45:00 AM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	9.91	29B 0.100		mmhos/cm	11/20/2006 6:30:00 PM	AG
PERCENT MOISTURE Percent Moisture	30.8	SW9071 # 0.0100		wt%	11/13/2006	AG

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-41 **Collection Date:** 11/8/2006 2:10:00 PM **Sample ID:** AB21 (16-18)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	4,750	M4500-CL B 400		mg/Kg-dry	11/28/2006 2:10:00 PM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	10.1	29B 0.100		mmhos/cm	11/20/2006 6:30:00 PM	AG
PERCENT MOISTURE Percent Moisture	25.9	SW9071 # 0.0100		wt%	11/13/2006	AG

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-42 **Collection Date:** 11/8/2006 2:32:00 PM **Sample ID:** AB22 (4-6)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	6.73	0.998		mg/Kg-dry	11/18/2006 1:33:47 AM	
Barium	244	0.998		mg/Kg-dry	11/18/2006 1:33:47 AM	
Cadmium	0.188	0.0998		mg/Kg-dry	11/18/2006 1:33:47 AM	
Chromium	12.5	0.998		mg/Kg-dry	11/18/2006 1:33:47 AM	
Lead	14.8	0.499		mg/Kg-dry	11/18/2006 1:33:47 AM	
Strontium	163	9.98		mg/Kg-dry	11/29/2006 12:13:22 AM	
SOLUBLE CHLORIDE		M4500-CL B				AS
Chlorides	11,000	2,000		mg/Kg-dry	11/28/2006 2:10:00 PM	
ELECTRICAL CONDUCTIVITY		29B				AG
Electrical Conductivity	20.3	0.100		mmhos/cm	11/20/2006 7:20:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE		29B				MB
Exchangeable Sodium %	30.1	0.100		%	12/11/2006 1:06:00 PM	
PERCENT MOISTURE		SW9071 #				AG
Percent Moisture	77.4	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO		29B				STS
Sodium Adsorption Ratio	50.7	0.100		meq	12/1/2006 2:28:53 PM	
Soluble Calcium	28.4	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	66.0	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	348	1.00		meq	12/1/2006 2:28:53 PM	
TRUE TOTAL BARIUM		29B				STS
True Total Barium	441	48.8		ppm	11/22/2006 4:39:00 AM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-43 **Collection Date:** 11/8/2006 2:34:00 PM **Sample ID:** AB22 (6-8)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						
						STS
Arsenic	3.64	0.993		mg/Kg-dry	11/18/2006 1:37:47 AM	
Barium	141	0.993		mg/Kg-dry	11/18/2006 1:37:47 AM	
Cadmium	0.117	0.0993		mg/Kg-dry	11/18/2006 1:37:47 AM	
Chromium	11.3	0.993		mg/Kg-dry	11/18/2006 1:37:47 AM	
Lead	12.6	0.496		mg/Kg-dry	11/18/2006 1:37:47 AM	
Strontium	110	9.93		mg/Kg-dry	11/29/2006 12:17:35 AM	
SOLUBLE CHLORIDE						
						SP
Chlorides	30,200	2,000		mg/Kg-dry	12/6/2006 2:35:00 PM	
ELECTRICAL CONDUCTIVITY						
						MB
Electrical Conductivity	64.0	0.500		mmhos/cm	11/30/2006 1:11:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE						
						MB
Exchangeable Sodium %	18.5	0.100		%	12/11/2006 1:06:00 PM	
PERCENT MOISTURE						
						AG
Percent Moisture	66.7	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO						
						STS
Sodium Adsorption Ratio	79.8	0.100		meq	12/1/2006 2:28:53 PM	
Soluble Calcium	53.9	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	82.5	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	659	1.00		meq	12/1/2006 2:28:53 PM	
TRUE TOTAL BARIUM						
						STS
True Total Barium	236	48.8		ppm	11/22/2006 4:43:12 AM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-44 **Collection Date:** 11/8/2006 2:36:00 PM **Sample ID:** AB-22 (8-10)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	11,800	M4500-CL B 2,000		mg/Kg-dry	11/28/2006 2:10:00 PM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	28.6	29B 0.100		mmhos/cm	11/20/2006 7:20:00 PM	AG
EXCHANGEABLE SODIUM PERCENTAGE Exchangeable Sodium %	62.5	29B 0.100		%	12/11/2006 1:06:00 PM	MB
PERCENT MOISTURE Percent Moisture	71.4	SW9071 # 0.0100		wt%	11/13/2006	AG
SODIUM ADSORPTION RATIO Sodium Adsorption Ratio	73.5	29B 0.100		meq	12/1/2006 2:28:53 PM	STS
Soluble Calcium	39.5	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	64.1	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	529	1.00		meq	12/1/2006 2:28:53 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-45 **Collection Date:** 11/8/2006 2:38:00 PM **Sample ID:** AB-22 (10-12)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	10,500	M4500-CL B 2,000		mg/Kg-dry	11/28/2006 2:10:00 PM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29.0	29B 0.100		mmhos/cm	11/20/2006 7:20:00 PM	AG
EXCHANGEABLE SODIUM PERCENTAGE Exchangeable Sodium %	54.4	29B 0.100		%	12/11/2006 1:06:00 PM	MB
PERCENT MOISTURE Percent Moisture	67.1	SW9071 # 0.0100		wt%	11/13/2006	AG
SODIUM ADSORPTION RATIO Sodium Adsorption Ratio	83.7	29B 0.100		meq	12/1/2006 2:28:53 PM	STS
Soluble Calcium	54.4	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	82.0	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	691	1.00		meq	12/1/2006 2:28:53 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-46 **Collection Date:** 11/8/2006 2:40:00 PM **Sample ID:** AB22 (12-14)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	85.7	30-148		%REC	11/17/2006 9:37:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	8,500	2,000		mg/Kg-dry	11/28/2006 2:10:00 PM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	17.0	0.100		mmhos/cm	11/20/2006 7:20:00 PM	AG
PERCENT MOISTURE Percent Moisture	38.2	0.0100		wt%	11/13/2006	AG
TPH BY GC/FID TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/17/2006 9:37:00 AM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/17/2006 9:37:00 AM	SBH

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-47 **Collection Date:** 11/8/2006 2:42:00 PM **Sample ID:** AB22 (14-16)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	11,000	M4500-CL B 2,000		mg/Kg-dry	11/28/2006 2:10:00 PM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	18.3	29B 0.100		mmhos/cm	11/20/2006 7:20:00 PM	AG
PERCENT MOISTURE Percent Moisture	43.3	SW9071 # 0.0100		wt%	11/13/2006	AG

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110511

Project: VPSB-White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110511-48 **Collection Date:** 11/8/2006 2:46:00 PM **Sample ID:** AB-22 (16-18)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	72.8	SW8015B 30-148		%REC	11/17/2006 9:44:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	5,300	M4500-CL B 400		mg/Kg-dry	11/28/2006 2:30:00 PM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	10.8	29B 0.100		mmhos/cm	11/20/2006 7:20:00 PM	AG
PERCENT MOISTURE Percent Moisture	29.5	SW9071 # 0.0100		wt%	11/13/2006	AG
TPH BY GC/FID TPH (Diesel Range)	< 10.0	SW8015B 10.0		mg/Kg	11/17/2006 9:44:00 AM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/17/2006 9:44:00 AM	SBH

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time

Sherry Laboratories/Louisiana

Date: 01-Feb-07

CLIENT: ICON Environmental Services
 Work Order: L06110511
 Project: VPSB-White Lake

QC SUMMARY REPORT
 Method Blank

Sample ID:	MBLK	Batch ID:	6581	Test Code:	SW6010B	Units:	mg/Kg-dry	Analysis Date:	11/18/2006 12:10:10 A	Prep Date:	
Client ID:		Run ID:	I2-OPTIMA_061117A	SeqNo:	752036						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.010	0.010									
Barium	< 0.010	0.010									
Cadmium	< 0.0010	0.0010									
Chromium	< 0.010	0.010									
Lead	< 0.0050	0.0050									
Strontium	< 0.010	0.010									

Sample ID:	BLK 11-15 S	Batch ID:	6578	Test Code:	SW8015B	Units:	%	Analysis Date:	11/16/2006 11:28:00 A	Prep Date:	11/15/2006
Client ID:		Run ID:	G2_061116B	SeqNo:	750832						

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	469.4	0	500	0	93.9	30	148	0			

Sample ID:	BLK 11-16 S	Batch ID:	6586	Test Code:	SW8015B	Units:	%	Analysis Date:	11/17/2006 8:53:00 AM	Prep Date:	11/16/2006
Client ID:		Run ID:	G2_061117A	SeqNo:	751332						

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	440.8	0	500	0	88.2	30	148	0			

Sample ID:	MB-R50190	Batch ID:	R50190	Test Code:	M4500-CI B	Units:	mg/Kg-dry	Analysis Date:	11/28/2006 11:50:00 A	Prep Date:
Client ID:		Run ID:	MAN1-WC_061128C	SeqNo:	756005					

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	< 4.0	4.0									

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

QC SUMMARY REPORT

Method Blank

CLIENT: ICON Environmental Services
Work Order: L06110511
Project: VPSB-White Lake

Sample ID: MB-R50191 **Batch ID:** R50191 **Test Code:** M4500-CI B **Units:** mg/Kg-dry **Analysis Date:** 11/28/2006 2:30:00 PM **Prep Date:**
Client ID: **Run ID:** MAN1-WC_061128D **SeqNo:** 756030

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	< 4.0	4.0									

Sample ID: MB-R50192 **Batch ID:** R50192 **Test Code:** M4500-CI B **Units:** mg/Kg-dry **Analysis Date:** 11/29/2006 12:40:00 P **Prep Date:**
Client ID: **Run ID:** MAN1-WC_061129A **SeqNo:** 756055

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	< 4.0	4.0									

Sample ID: MB-R50230 **Batch ID:** R50230 **Test Code:** M4500-CI B **Units:** mg/Kg-dry **Analysis Date:** 11/30/2006 10:45:00 A **Prep Date:**
Client ID: **Run ID:** MAN1-WC_061130A **SeqNo:** 756709

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	< 4.0	4.0									

Sample ID: MB-R50414 **Batch ID:** R50414 **Test Code:** M4500-CI B **Units:** mg/Kg-dry **Analysis Date:** 12/16/2006 2:35:00 PM **Prep Date:**
Client ID: **Run ID:** MAN1-WC_061206H **SeqNo:** 759983

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	< 4.0	4.0									

Sample ID: MB-R51041 **Batch ID:** R51041 **Test Code:** M4500-CI B **Units:** mg/Kg-dry **Analysis Date:** 12/29/2006 3:40:00 PM **Prep Date:**
Client ID: **Run ID:** MAN1-WC_061229C **SeqNo:** 774083

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	< 4.0	4.0									

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

CLIENT: ICON Environmental Services
Work Order: L06110511
Project: VPSB-White Lake

QC SUMMARY REPORT
 Method Blank

Sample ID: **BLK 11-15 S** Batch ID: **6578** Test Code: **SW8015B** Units: **mg/Kg** Analysis Date **11/16/2006 11:28:00 A** Prep Date: **11/15/2006**
 Client ID: Run ID: **G2_061116B** SeqNo: **750825**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	< 10										
TPH (Oil Range)	< 50										

Sample ID: **BLK 11-16 S** Batch ID: **6586** Test Code: **SW8015B** Units: **mg/Kg** Analysis Date **11/17/2006 8:53:00 AM** Prep Date: **11/16/2006**
 Client ID: Run ID: **G2_061117A** SeqNo: **751292**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	< 10										
TPH (Oil Range)	< 50										

Sample ID: **MBLK** Batch ID: **6584** Test Code: **29B** Units: **ppm** Analysis Date **11/22/2006 3:24:32 AM** Prep Date:
 Client ID: Run ID: **I2-OPTIMA_061121C** SeqNo: **754212**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
True Total Barium	< 50										

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

Sherry Laboratories/Louisiana

Date: 01-Feb-07

CLIENT: ICON Environmental Services
 Work Order: L06110511
 Project: VPSB-White Lake

QC SUMMARY REPORT
 Sample Duplicate

Sample ID: L06110555-01ADU	Batch ID: 6581	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/18/2006 1:50:35 AM	Prep Date: 11/15/2006						
Client ID:	Run ID: I2-OPTIMA_061117A	SeqNo: 752055									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	12.22	1.0	0	0	0	0	0	11.24	8.39	20	
Barium	5097	1.0	0	0	0	0	0	4782	6.37	20	
Cadmium	0.1209	0.10	0	0	0	0	0	0	200	20	R
Chromium	23.52	1.0	0	0	0	0	0	18.16	25.7	20	R
Lead	46.5	0.50	0	0	0	0	0	38.73	18.2	20	

Sample ID: L06110555-01ADU	Batch ID: 6581	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/29/2006 12:30:19 A	Prep Date: 11/15/2006						
Client ID:	Run ID: I2-OPTIMA_061128A	SeqNo: 756280									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Strontium	91.55	10	0	0	0	0	0	90.43	1.23	20	

Sample ID: L06110510-50ADU	Batch ID: R50191	Test Code: M4500-CI B	Units: mg/Kg-dry	Analysis Date 11/28/2006 2:30:00 PM	Prep Date:						
Client ID:	Run ID: MAN1-WC_061128D	SeqNo: 756051									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	3600	400	0	0	0	0	0	3650	1.38	20	

Sample ID: L06110547-12ADU	Batch ID: R50191	Test Code: M4500-CI B	Units: mg/Kg-dry	Analysis Date 11/28/2006 2:30:00 PM	Prep Date:						
Client ID:	Run ID: MAN1-WC_061128D	SeqNo: 756052									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	12000	2,000	0	0	0	0	0	11750	2.11	20	

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

CLIENT: ICON Environmental Services
 Work Order: L06110511
 Project: VPSB-White Lake

QC SUMMARY REPORT

Sample Duplicate

Sample ID: L06110511-06ADU Batch ID: R50192 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 11/29/2006 12:40:00 P Prep Date:
 Client ID: AB15 (24-26) Run ID: MAN1-WC_061129A SeqNo: 756077

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	6000	2,000	0	0	0	0	0	6250	4.08	20	

Sample ID: L06110511-30ADU Batch ID: R50230 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 11/30/2006 10:45:00 A Prep Date:
 Client ID: AB20 (12-14) Run ID: MAN1-WC_061130A SeqNo: 756724

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	2300	400	0	0	0	0	0	2350	2.15	20	

Sample ID: L06110555-07ADU Batch ID: R50048 Test Code: 29B Units: mmhos/cm Analysis Date 11/20/2006 5:45:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061120I SeqNo: 753179

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	2.79	0.10	0	0	0	0	0	1.85	40.5	20	R

Sample ID: L06110511-06ADU Batch ID: R50048 Test Code: 29B Units: mmhos/cm Analysis Date 11/20/2006 5:45:00 PM Prep Date:
 Client ID: AB15 (24-26) Run ID: MAN1-WC_061120I SeqNo: 753180

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	14.2	0.10	0	0	0	0	0	14.9	4.81	20	

Sample ID: L06110511-30ADU Batch ID: R50049 Test Code: 29B Units: mmhos/cm Analysis Date 11/20/2006 6:30:00 PM Prep Date:
 Client ID: AB20 (12-14) Run ID: MAN1-WC_061120J SeqNo: 753202

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	6.69	0.10	0	0	0	0	0	6.78	1.34	20	

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

QC SUMMARY REPORT

Sample Duplicate

CLIENT: ICON Environmental Services
Work Order: L06110511
Project: VPSB-White Lake

Sample ID: L06110580-14ADU Batch ID: R50259 Test Code: 29B Units: mmhos/cm Analysis Date 11/30/2006 1:11:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061130E SeqNo: 757486

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	56.5	0.50	0	0	0	0	0	59.5	5.17	20	

Sample ID: L06120185-04ADU Batch ID: R50533 Test Code: 29B Units: mmhos/cm Analysis Date 12/11/2006 10:40:00 A Prep Date:
 Client ID: Run ID: MAN1-WC_061211A SeqNo: 765572

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	14.2	0.10	0	0	0	0	0	13	8.82	20	

Sample ID: L06120080-02ADU Batch ID: R50533 Test Code: 29B Units: mmhos/cm Analysis Date 12/11/2006 10:40:00 A Prep Date:
 Client ID: Run ID: MAN1-WC_061211A SeqNo: 765573

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	9.59	0.10	0	0	0	0	0	10.6	10	20	

Sample ID: L06120080-02ADU Batch ID: R50542 Test Code: 29B Units: % Analysis Date 12/11/2006 1:06:00 PM Prep Date:
 Client ID: Run ID: AA2_061211A SeqNo: 767596

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Exchangeable Sodium %	2.52	0.10	0	0	0	0	0	2.55	1.18	20	

Sample ID: L06111036-04ADU Batch ID: R50542 Test Code: 29B Units: % Analysis Date 12/11/2006 1:06:00 PM Prep Date:
 Client ID: Run ID: AA2_061211A SeqNo: 767760

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Exchangeable Sodium %	< 0.10	0.10	0	0	0	0	0	0	0	20	

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

CLIENT: ICON Environmental Services
Work Order: L06110511
Project: VPSB-White Lake

QC SUMMARY REPORT

Sample Duplicate

Sample ID: L06110988-04BDU Batch ID: R50542 Test Code: 29B Units: % Analysis Date 12/11/2006 1:06:00 PM Prep Date:
 Client ID: Run ID: AA2_061211A SeqNo: 767761

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Exchangeable Sodium %	< 0.10	0.10	0	0	0	0	0	0	0	0	20

Sample ID: L06110888-06ADU Batch ID: R50542 Test Code: 29B Units: % Analysis Date 12/11/2006 1:06:00 PM Prep Date:
 Client ID: Run ID: AA2_061211A SeqNo: 767762

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Exchangeable Sodium %	52.12	0.10	0	0	0	0	0	54.15	3.82	20	

Sample ID: L06110598-10ADU Batch ID: R50542 Test Code: 29B Units: % Analysis Date 12/11/2006 1:06:00 PM Prep Date:
 Client ID: Run ID: AA2_061211A SeqNo: 767763

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Exchangeable Sodium %	2.14	0.10	0	0	0	0	0	1.95	9.29	20	

Sample ID: L06110834-01ADU Batch ID: R50542 Test Code: 29B Units: % Analysis Date 12/11/2006 1:06:00 PM Prep Date:
 Client ID: Run ID: AA2_061211A SeqNo: 767764

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Exchangeable Sodium %	1.63	0.10	0	0	0	0	0	1.8	9.91	20	

Sample ID: L06120410-11ADU Batch ID: R50787 Test Code: 29B Units: % Analysis Date 12/18/2006 4:53:00 PM Prep Date:
 Client ID: Run ID: AA2_061218A SeqNo: 770456

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Exchangeable Sodium %	16.61	0.10	0	0	0	0	0	17.56	5.56	20	

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

CLIENT: ICON Environmental Services
Work Order: L06110511
Project: VPSB-White Lake

QC SUMMARY REPORT
 Sample Duplicate

Sample ID: L06110510-50ADU Batch ID: R50375 Test Code: SW9071 # Units: wt% Analysis Date 11/13/2006 Prep Date:
 Client ID: MAN1-WC_061113J Run ID: MAN1-WC_061113J SeqNo: 759319

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Percent Moisture 18.8 0.010 0 0 0 0 19.2 2.11 20

Sample ID: L06110511-06ADU Batch ID: R50375 Test Code: SW9071 # Units: wt% Analysis Date 11/13/2006 Prep Date:
 Client ID: AB15 (24-26) Run ID: MAN1-WC_061113J SeqNo: 759320

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Percent Moisture 20.9 0.010 0 0 0 0 20.3 2.91 20

Sample ID: L06110511-30ADU Batch ID: R50375 Test Code: SW9071 # Units: wt% Analysis Date 11/13/2006 Prep Date:
 Client ID: AB20 (12-14) Run ID: MAN1-WC_061113J SeqNo: 759321

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Percent Moisture 41.5 0.010 0 0 0 0 38.1 8.54 20

Sample ID: L06110739-01ADU Batch ID: R50521 Test Code: 29B Units: meq Analysis Date 12/1/2006 2:28:53 PM Prep Date:
 Client ID: I2-OPTIMA_061201B Run ID: I2-OPTIMA_061201B SeqNo: 767780

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Sodium Adsorption Ratio 1.57 0.10 0 0 0 0 1.57 0 20
 Soluble Calcium 11.38 1.0 0 0 0 0 11.72 2.94 20
 Soluble Magnesium 2.44 1.0 0 0 0 0 2.43 0.411 20
 Soluble Sodium 4.13 1.0 0 0 0 0 4.17 0.964 20

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

QC SUMMARY REPORT

Sample Duplicate

CLIENT: ICON Environmental Services
 Work Order: L06110511
 Project: VPSB-White Lake

Sample ID: L06110598-10ADU	Batch ID: R50521	Test Code: 29B	Units: meq	Analysis Date 12/1/2006 2:28:53 PM	Prep Date:						
Client ID:	Run ID: I2-OPTIMA_061201B	SeqNo: 770409									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium Adsorption Ratio	4.29	0.10	0	0	0	0	0	4.33	0.928	20	
Soluble Calcium	9.8	1.0	0	0	0	0	0	9.52	2.9	20	
Soluble Magnesium	3.68	1.0	0	0	0	0	0	3.64	1.09	20	
Soluble Sodium	11.12	1.0	0	0	0	0	0	11.11	0.09	20	

Sample ID: L06110598-35ADU	Batch ID: R50521	Test Code: 29B	Units: meq	Analysis Date 12/1/2006 2:28:53 PM	Prep Date:						
Client ID:	Run ID: I2-OPTIMA_061201B	SeqNo: 770625									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium Adsorption Ratio	48.07	0.10	0	0	0	0	0	42.4	12.5	20	
Soluble Calcium	13.88	1.0	0	0	0	0	0	18.13	26.6	20	R
Soluble Magnesium	7.01	1.0	0	0	0	0	0	8.81	22.8	20	R
Soluble Sodium	155.3	1.0	0	0	0	0	0	155.6	0.167	20	

Sample ID: L06110695-16ADU	Batch ID: R50521	Test Code: 29B	Units: meq	Analysis Date 12/1/2006 2:28:53 PM	Prep Date:						
Client ID:	Run ID: I2-OPTIMA_061201B	SeqNo: 770636									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium Adsorption Ratio	70.09	0.10	0	0	0	0	0	71.95	2.62	20	
Soluble Calcium	44.9	1.0	0	0	0	0	0	38.08	16.4	20	
Soluble Magnesium	12.48	1.0	0	0	0	0	0	10.66	15.7	20	
Soluble Sodium	375.4	1.0	0	0	0	0	0	355.2	5.54	20	

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

QC SUMMARY REPORT
Sample Duplicate

CLIENT: ICON Environmental Services
Work Order: L06110511
Project: VPSB-White Lake

Sample ID:	L06110695-29ADU	Batch ID:	R50521	Test Code:	29B	Units:	meq	Analysis Date:	12/1/2006 2:28:53 PM	Prep Date:	
Client ID:								SeqNo:	770637		
Run ID:	12-OPTIMA_061201B	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte	Result										
Sodium Adsorption Ratio	1.56	0.10	0	0	0	0	0	1.56	0	20	
Soluble Calcium	14.87	1.0	0	0	0	0	0	15.14	1.8	20	
Soluble Magnesium	5.37	1.0	0	0	0	0	0	5.41	0.742	20	
Soluble Sodium	4.97	1.0	0	0	0	0	0	5	0.602	20	

Sample ID:	L06110555-01ADU	Batch ID:	6584	Test Code:	29B	Units:	ppm	Analysis Date:	11/21/2006 8:19:32 PM	Prep Date:	11/15/2006
Client ID:								SeqNo:	752896		
Run ID:	12-OPTIMA_061121B	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte	Result										
True Total Barium	52370	49	0	0	0	0	0	66390	23.6	20	R

Sample ID:	L06110555-01ADU	Batch ID:	6584	Test Code:	29B	Units:	ppm	Analysis Date:	11/22/2006 4:55:54 AM	Prep Date:	11/15/2006
Client ID:								SeqNo:	754231		
Run ID:	12-OPTIMA_061121C	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte	Result										
True Total Barium	52300	49	0	0	0	0	0	67320	23.4	20	R

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

Sherry Laboratories/Louisiana

Date: 01-Feb-07

CLIENT: ICON Environmental Services
 Work Order: L06110511
 Project: VPSB-White Lake

QC SUMMARY REPORT
 Sample Matrix Spike

Sample ID: L06110555-01AMS	Batch ID: 6581	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/18/2006 1:46:17 AM	Prep Date: 11/15/2006						
Client ID:	Run ID: I2-OPTIMA_061117A	SeqNo: 752054									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	68.41	1.0	49.77	11.24	115	75	125	0			
Barium	5457	1.0	49.77	4782	1360	75	125	0			S
Cadmium	52.31	0.10	49.77	0	105	75	125	0			
Chromium	75.77	1.0	49.77	18.16	116	75	125	0			
Lead	103.1	0.50	49.77	38.73	129	75	125	0			S

Sample ID: L06110555-01AMS	Batch ID: 6581	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/18/2006 1:54:50 AM	Prep Date: 11/15/2006						
Client ID:	Run ID: I2-OPTIMA_061117A	SeqNo: 752056									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	67.23	1.0	49.79	12.22	110	75	125	68.41	1.75	20	
Barium	5020	1.0	49.79	5097	-155	75	125	5457	8.35	20	S
Cadmium	52.69	0.10	49.79	0.1209	106	75	125	52.31	0.737	20	
Chromium	75.02	1.0	49.79	23.52	103	75	125	75.77	0.988	20	
Lead	99.47	0.50	49.79	46.5	106	75	125	103.1	3.57	20	

Sample ID: L06110555-01AMS	Batch ID: 6581	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/29/2006 12:26:03 A	Prep Date: 11/15/2006						
Client ID:	Run ID: I2-OPTIMA_061128A	SeqNo: 756279									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Strontium	165.2	10	49.77	90.43	150	75	125	0			S

Sample ID: L06110555-01AMS	Batch ID: 6581	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/29/2006 12:34:34 A	Prep Date: 11/15/2006						
Client ID:	Run ID: I2-OPTIMA_061128A	SeqNo: 756281									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Strontium	150.8	10	49.79	91.55	119	75	125	165.2	9.15	20	

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

QC SUMMARY REPORT

Sample Matrix Spike

CLIENT: ICON Environmental Services
Work Order: L06110511
Project: VPSB-White Lake

Sample ID: L06110510-05AMS **Batch ID:** 6578 **Test Code:** SW8015B **Units:** % **Analysis Date:** 11/16/2006 10:43:00 A **Prep Date:** 11/15/2006
Client ID: **Run ID:** G2_061116B **SeqNo:** 750759

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	471.4	0	500	0	94.3	30	148	0			

Sample ID: L06110510-05AMS **Batch ID:** 6578 **Test Code:** SW8015B **Units:** % **Analysis Date:** 11/16/2006 10:49:00 A **Prep Date:** 11/15/2006
Client ID: **Run ID:** G2_061116B **SeqNo:** 750760

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	459.3	0	500	0	91.9	30	148	0			

Sample ID: L06110510-05AMS **Batch ID:** 6578 **Test Code:** SW8015B **Units:** % **Analysis Date:** 11/16/2006 11:09:00 A **Prep Date:** 11/15/2006
Client ID: **Run ID:** G2_061116B **SeqNo:** 750763

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	477.1	0	500	0	95.4	30	148	0			

Sample ID: L06110510-05AMS **Batch ID:** 6578 **Test Code:** SW8015B **Units:** % **Analysis Date:** 11/16/2006 11:15:00 A **Prep Date:** 11/15/2006
Client ID: **Run ID:** G2_061116B **SeqNo:** 750764

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	485	0	500	0	97	30	148	0			

Sample ID: L06110511-26AMS **Batch ID:** 6586 **Test Code:** SW8015B **Units:** % **Analysis Date:** 11/17/2006 8:09:00 AM **Prep Date:** 11/16/2006
Client ID: AB19 (12-14) **Run ID:** G2_061117A **SeqNo:** 751326

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	389.8	0	500	0	78	30	148	0			

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

CLIENT: ICON Environmental Services
Work Order: L06110511
Project: VPSB-White Lake

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Sample ID: L06110511-26AMS Batch ID: 6586 Test Code: SW8015B Units: % Analysis Date 11/17/2006 8:15:00 AM Prep Date: 11/16/2006
 Client ID: AB19 (12-14) Run ID: G2_061117A SeqNo: 751327

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	409.7	0	500	0	81.9	30	148	0			

Sample ID: L06110511-26AMS Batch ID: 6586 Test Code: SW8015B Units: % Analysis Date 11/17/2006 8:34:00 AM Prep Date: 11/16/2006
 Client ID: AB19 (12-14) Run ID: G2_061117A SeqNo: 751330

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	407.7	0	500	0	81.5	30	148	0			

Sample ID: L06110511-16AMS Batch ID: 6586 Test Code: SW8015B Units: % Analysis Date 11/17/2006 8:40:00 AM Prep Date: 11/16/2006
 Client ID: AB19 (12-14) Run ID: G2_061117A SeqNo: 751331

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	426	0	500	0	85.2	30	148	0			

Sample ID: L06110511-16AMS Batch ID: R50190 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 11/28/2006 11:50:00 A Prep Date:
 Client ID: AB18 (10-12) Run ID: MAN1-WC_061128C SeqNo: 756028

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	1320	80	1053	350	92.2	80	120	0			

Sample ID: L06110547-17AMS Batch ID: R50191 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 11/28/2006 2:30:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061128D SeqNo: 756053

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	6500	400	5263	1800	89.3	80	120	0			

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

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

CLIENT: ICON Environmental Services
Work Order: L06110511
Project: VPSB-White Lake

Sample ID: L06110547-17AMS	Batch ID: R50191	Test Code: M4500-CI B	Units: mg/Kg-dry	Analysis Date 11/28/2006 2:30:00 PM	Prep Date:						
Client ID:		Run ID: MAN1-WC_061128D		SeqNo: 756054							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	6550	400	5263	1800	90.3	80	120	6500	0.766	20	

Sample ID: L06110511-17AMS	Batch ID: R50192	Test Code: M4500-CI B	Units: mg/Kg-dry	Analysis Date 11/29/2006 12:40:00 P	Prep Date:						
Client ID: AB18 (12-14)		Run ID: MAN1-WC_061129A		SeqNo: 756078							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	1180	80	1053	210	92.2	80	120	0			

Sample ID: L06110511-17AMS	Batch ID: R50192	Test Code: M4500-CI B	Units: mg/Kg-dry	Analysis Date 11/29/2006 12:40:00 P	Prep Date:						
Client ID: AB18 (12-14)		Run ID: MAN1-WC_061129A		SeqNo: 756079							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	1170	80	1053	210	91.2	80	120	1180	0.851	20	

Sample ID: L06110511-16AMS	Batch ID: R50190	Test Code: M4500-CI B	Units: mg/Kg-dry	Analysis Date 11/28/2006 11:50:00 A	Prep Date:						
Client ID: AB18 (10-12)		Run ID: MAN1-WC_061128C		SeqNo: 756498							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	1310	80	1053	350	91.2	80	120	1320	0.76	20	

Sample ID: L06110511-34AMS	Batch ID: R50230	Test Code: M4500-CI B	Units: mg/Kg-dry	Analysis Date 11/30/2006 10:45:00 A	Prep Date:						
Client ID: AB20 (24-26)		Run ID: MAN1-WC_061130A		SeqNo: 756722							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	1280	80	1053	250	97.9	80	120	0			

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

CLIENT: ICON Environmental Services
Work Order: L06110511
Project: VPSB-White Lake

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID: L06110511-34AMS Batch ID: R50230 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 11/30/2006 10:45:00 A Prep Date:
 Client ID: AB20 (24-26) Run ID: MAN1-WC_061130A SeqNo: 756723

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	1260	80	1053	250	96	80	120	1280	1.57	20	

Sample ID: L06110510-37AMS Batch ID: R50414 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 12/6/2006 2:35:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061206H SeqNo: 760018

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	7300	400	5263	2750	86.5	80	120	0		H	

Sample ID: L06110510-37AMS Batch ID: R50414 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 12/6/2006 2:35:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061206H SeqNo: 760019

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	7500	400	5263	2750	90.3	80	120	7300	2.7	20	H

Sample ID: L06120185-02AMS Batch ID: R51041 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 12/29/2006 3:40:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061229C SeqNo: 774101

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	41750	2,000	26320	18750	87.4	80	120	0			

Sample ID: L06120185-02AMS Batch ID: R51041 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 12/29/2006 3:40:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061229C SeqNo: 774102

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	41000	2,000	26320	18750	84.6	80	120	41750	1.81	20	

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

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

CLIENT: ICON Environmental Services
Work Order: L06110511
Project: VPSB-White Lake

Sample ID: L06110511-26AMS	Batch ID: 6586	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/17/2006 8:15:00 AM	Prep Date: 11/16/2006						
Client ID: AB19 (12-14)	Run ID: G2_061117A	SeqNo: 751287									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	71.52	10	100	0	71.5	43.2	135	75.84	5.87	40	

Sample ID: L06110511-26AMS	Batch ID: 6586	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/17/2006 8:34:00 AM	Prep Date: 11/16/2006						
Client ID: AB19 (12-14)	Run ID: G2_061117A	SeqNo: 751290									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	84.25	50	100	0	84.2	43.2	135	0			

Sample ID: L06110555-01AMS	Batch ID: 6584	Test Code: 29B	Units: ppm	Analysis Date 11/21/2006 8:15:17 PM	Prep Date: 11/15/2006						
Client ID:	Run ID: I2-OPTIMA_061121B	SeqNo: 752895									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
True Total Barium	70460	49	9766	66390	41.7	75	125	0			S

Sample ID: L06110555-01AMS	Batch ID: 6584	Test Code: 29B	Units: ppm	Analysis Date 11/21/2006 8:23:27 PM	Prep Date: 11/15/2006						
Client ID:	Run ID: I2-OPTIMA_061121B	SeqNo: 752897									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
True Total Barium	61010	49	9728	52370	88.8	75	125	70460	14.4	20	

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

Sherry Laboratories/Louisiana

Date: 01-Feb-07

CLIENT: ICON Environmental Services
 Work Order: L06110511
 Project: VPSB-White Lake

QC SUMMARY REPORT
 Laboratory Control Spike - generic

Sample ID: LCS LOT # 06D28 Batch ID: 6581 Test Code: SW6010B Units: mg/Kg-dry Analysis Date 11/18/2006 12:14:22 A Prep Date:
 Client ID: Run ID: I2-OPTIMA_061117A SeqNo: 752037

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5361	0.010	0.5	0	107	75	125	0			
Barium	0.5108	0.010	0.5	0	102	75	125	0			
Cadmium	0.5163	0.0010	0.5	0	103	75	125	0			
Chromium	0.4967	0.010	0.5	0	99.3	75	125	0			
Lead	0.5122	0.0050	0.5	0	102	75	125	0			
Strontium	0.4961	0.010	0.5	0	99.2	75	125	0			

Sample ID: LCSD LOT # 06D2 Batch ID: 6581 Test Code: SW6010B Units: mg/Kg-dry Analysis Date 11/18/2006 12:18:59 A Prep Date:
 Client ID: Run ID: I2-OPTIMA_061117A SeqNo: 752038

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5301	0.010	0.5	0	106	75	125	0.5361	1.12	20	
Barium	0.511	0.010	0.5	0	102	75	125	0.5108	0.0382	20	
Cadmium	0.5167	0.0010	0.5	0	103	75	125	0.5163	0.0766	20	
Chromium	0.4976	0.010	0.5	0	99.5	75	125	0.4967	0.194	20	
Lead	0.5191	0.0050	0.5	0	104	75	125	0.5122	1.33	20	
Strontium	0.4977	0.010	0.5	0	99.5	75	125	0.4961	0.306	20	

Sample ID: LCS-D 11-15 S Batch ID: 6578 Test Code: SW8015B Units: % Analysis Date 11/16/2006 10:30:00 A Prep Date: 11/15/2006
 Client ID: Run ID: G2_061116B SeqNo: 750757

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	482.3	0	500	0	96.5	30	148	0			

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

CLIENT: ICON Environmental Services
Work Order: L06110511
Project: VPSB-White Lake

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID: LCSD-D 11-151 S Batch ID: 6578 Test Code: SW8015B Units: % Analysis Date 11/16/2006 10:37:00 A Prep Date: 11/15/2006
 Client ID: Run ID: G2_061116B SeqNo: 750758

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	481.3	0	500	0	96.3	30	148	0			

Sample ID: LCS-MO 11-15 S Batch ID: 6578 Test Code: SW8015B Units: % Analysis Date 11/16/2006 10:56:00 A Prep Date: 11/15/2006
 Client ID: Run ID: G2_061116B SeqNo: 750761

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	516.9	0	500	0	103	30	148	0			

Sample ID: LCSD-MO 11-15 S Batch ID: 6578 Test Code: SW8015B Units: % Analysis Date 11/16/2006 11:02:00 A Prep Date: 11/15/2006
 Client ID: Run ID: G2_061116B SeqNo: 750762

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	485.9	0	500	0	97.2	30	148	0			

Sample ID: LCS-D 11-16 S Batch ID: 6586 Test Code: SW8015B Units: % Analysis Date 11/17/2006 7:56:00 AM Prep Date: 11/16/2006
 Client ID: Run ID: G2_061117A SeqNo: 751324

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	416.6	0	500	0	83.3	30	148	0			

Sample ID: LCSD-D 11-16 S Batch ID: 6586 Test Code: SW8015B Units: % Analysis Date 11/17/2006 8:02:00 AM Prep Date: 11/16/2006
 Client ID: Run ID: G2_061117A SeqNo: 751325

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	419.1	0	500	0	83.8	30	148	0			

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

CLIENT: ICON Environmental Services
Work Order: L06110511
Project: VPSB-White Lake

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: **LCS-MO 11-16 S** Batch ID: **6586** Test Code: **SW8015B** Units: % Analysis Date **11/17/2006 8:21:00 AM** Prep Date: **11/16/2006**
 Client ID: Run ID: **G2_061117A** SeqNo: **751328**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	451.9	0	500	0	90.4	30	148	0			

Sample ID: **LCSD-MO 11-16 S** Batch ID: **6586** Test Code: **SW8015B** Units: % Analysis Date **11/17/2006 8:27:00 AM** Prep Date: **11/16/2006**
 Client ID: Run ID: **G2_061117A** SeqNo: **751329**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	443.4	0	500	0	88.7	30	148	0			

Sample ID: **LCS-R50190** Batch ID: **R50190** Test Code: **M4500-CI B** Units: **mg/Kg-dry** Analysis Date **11/28/2006 11:50:00 A** Prep Date:
 Client ID: Run ID: **MAN1-WC_061128C** SeqNo: **756006**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	910	4.0	1000	0	91	80	120	0			

Sample ID: **LCS-R50190DUP** Batch ID: **R50190** Test Code: **M4500-CI B** Units: **mg/Kg-dry** Analysis Date **11/28/2006 11:50:00 A** Prep Date:
 Client ID: Run ID: **MAN1-WC_061128C** SeqNo: **756027**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	910	4.0	1000	0	91	80	120	910	0	20	

Sample ID: **LCS-R50191** Batch ID: **R50191** Test Code: **M4500-CI B** Units: **mg/Kg-dry** Analysis Date **11/28/2006 2:30:00 PM** Prep Date:
 Client ID: Run ID: **MAN1-WC_061128D** SeqNo: **756031**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	890	4.0	1000	0	89	80	120	0			

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

CLIENT: ICON Environmental Services
Work Order: L06110511
Project: VPSB-White Lake

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID: LCS-R50191DUP Batch ID: R50191 Test Code: M4500-C1 B Units: mg/Kg-dry Analysis Date 11/28/2006 2:30:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061128D SeqNo: 756050

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	900	4.0	1000	0	90	80	120	890	1.12	20	

Sample ID: LCS-R50192 Batch ID: R50192 Test Code: M4500-C1 B Units: mg/Kg-dry Analysis Date 11/29/2006 12:40:00 P Prep Date:
 Client ID: Run ID: MAN1-WC_061129A SeqNo: 756056

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	890	4.0	1000	0	89	80	120	0			

Sample ID: LCS-R50192DUP Batch ID: R50192 Test Code: M4500-C1 B Units: mg/Kg-dry Analysis Date 11/29/2006 12:40:00 P Prep Date:
 Client ID: Run ID: MAN1-WC_061129A SeqNo: 756076

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	900	4.0	1000	0	90	80	120	890	1.12	20	

Sample ID: LCS-R50230 Batch ID: R50230 Test Code: M4500-C1 B Units: mg/Kg-dry Analysis Date 11/30/2006 10:45:00 A Prep Date:
 Client ID: Run ID: MAN1-WC_061130A SeqNo: 756710

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	930	4.0	1000	0	93	80	120	0			

Sample ID: LCS-R50230DUP Batch ID: R50230 Test Code: M4500-C1 B Units: mg/Kg-dry Analysis Date 11/30/2006 10:45:00 A Prep Date:
 Client ID: Run ID: MAN1-WC_061130A SeqNo: 756721

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	920	4.0	1000	0	92	80	120	930	1.08	20	

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

CLIENT: ICON Environmental Services
Work Order: L06110511
Project: VPSB-White Lake

QC SUMMARY REPORT
 Laboratory Control Spike Duplicate

Sample ID: **LCS-D** Batch ID: **R50414** Test Code: **M4500-CI B** Units: **mg/Kg-dry** Analysis Date **12/16/2006 2:35:00 PM** Prep Date:
 Client ID: Run ID: **MAN1-WC_061206H** SeqNo: **760016**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	990	4.0	1000	0	99	80	120	0	200	20	R

Sample ID: **LCS-R50414** Batch ID: **R50414** Test Code: **M4500-CI B** Units: **mg/Kg-dry** Analysis Date **12/16/2006 2:35:00 PM** Prep Date:
 Client ID: Run ID: **MAN1-WC_061206H** SeqNo: **760020**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	990	4.0	1000	0	99	80	120	0			

Sample ID: **LCS-R51041** Batch ID: **R51041** Test Code: **M4500-CI B** Units: **mg/Kg-dry** Analysis Date **12/29/2006 3:40:00 PM** Prep Date:
 Client ID: Run ID: **MAN1-WC_061229C** SeqNo: **774084**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	1000	4.0	1000	0	100	80	120	0			

Sample ID: **LCS-R50048** Batch ID: **R50048** Test Code: **M4500-CI B** Units: **mg/Kg-dry** Analysis Date **12/29/2006 3:40:00 PM** Prep Date:
 Client ID: Run ID: **MAN1-WC_061229C** SeqNo: **774100**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	1030	4.0	1000	0	103	80	120	1000	2.96	20	

Sample ID: **LCS-R50048** Batch ID: **R50048** Test Code: **29B** Units: **mmhos/cm** Analysis Date **11/20/2006 5:45:00 PM** Prep Date:
 Client ID: Run ID: **MAN1-WC_061120I** SeqNo: **753159**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	456	0.10	451	0	101	80	120	0			

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

CLIENT: ICON Environmental Services
Work Order: L06110511
Project: VPSB-White Lake

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS-R50049 Batch ID: R50049 Test Code: 29B Units: mmhos/cm Analysis Date 11/20/2006 6:30:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061120J SeqNo: 753181

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	453	0.10	451	0	100	80	120	0			

Sample ID: LCS-R50050 Batch ID: R50050 Test Code: 29B Units: mmhos/cm Analysis Date 11/20/2006 7:20:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061120K SeqNo: 753203

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	462	0.10	451	0	102	80	120	0			

Sample ID: LCS-R50259 Batch ID: R50259 Test Code: 29B Units: mmhos/cm Analysis Date 11/30/2006 1:11:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061130E SeqNo: 757466

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	0.465	0.10	0.451	0	103	80	120	0			

Sample ID: LCS-R50533 Batch ID: R50533 Test Code: 29B Units: mmhos/cm Analysis Date 12/11/2006 10:40:00 A Prep Date:
 Client ID: Run ID: MAN1-WC_061211A SeqNo: 765540

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	444	0.10	451	0	98.4	80	120	0			

Sample ID: LCS-D 11-15 S Batch ID: 6578 Test Code: SW8015B Units: mg/Kg Analysis Date 11/16/2006 10:30:00 A Prep Date: 11/15/2006
 Client ID: Run ID: G2_061116B SeqNo: 750729

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	93.34	10	100	0	93.3	43.2	135	0			

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

CLIENT: ICON Environmental Services
Work Order: L06110511
Project: VPSB-White Lake

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID: LCSD-D 11-15 S	Batch ID: 6578	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/16/2006 10:37:00 A	Prep Date: 11/15/2006						
Client ID:	Run ID: G2_061116B	SeqNo: 750730									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	94.27	10	100	0	94.3	43.2	135	93.34	0.997	40	

Sample ID: LCS-MO 11-15 S	Batch ID: 6578	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/16/2006 10:56:00 A	Prep Date: 11/15/2006						
Client ID:	Run ID: G2_061116B	SeqNo: 750733									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	101.8	50	100	0	102	43.2	135	0			

Sample ID: LCSD-D 11-16 S	Batch ID: 6586	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/17/2006 7:56:00 AM	Prep Date: 11/16/2006						
Client ID:	Run ID: G2_061117A	SeqNo: 751284									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	82.63	10	100	0	82.6	43.2	135	0			

Sample ID: LCSD-D 11-16 S	Batch ID: 6586	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/17/2006 8:02:00 AM	Prep Date: 11/16/2006						
Client ID:	Run ID: G2_061117A	SeqNo: 751285									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	77.31	10	100	0	77.3	43.2	135	82.63	6.64	40	

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

CLIENT: ICON Environmental Services
Work Order: L06110511
Project: VPSB-White Lake

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS-MO 11-16 S **Batch ID:** 6586 **Test Code:** SW8015B **Units:** mg/Kg **Analysis Date:** 11/17/2006 8:21:00 AM **Prep Date:** 11/16/2006
Client ID: **Run ID:** G2_061117A **SeqNo:** 751288

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	87.59	50	100	0	87.6	43.2	135	0			

Sample ID: LCSD-MO 11-16 S **Batch ID:** 6586 **Test Code:** SW8015B **Units:** mg/Kg **Analysis Date:** 11/17/2006 8:27:00 AM **Prep Date:** 11/16/2006
Client ID: **Run ID:** G2_061117A **SeqNo:** 751289

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	85.14	50	100	0	85.1	43.2	135	87.59	2.84	40	

Sample ID: LCS LOT # Y-BA0 **Batch ID:** 6584 **Test Code:** 29B **Units:** ppm **Analysis Date:** 11/22/2006 3:28:44 AM **Prep Date:**
Client ID: **Run ID:** I2-OPTIMA_061121C **SeqNo:** 754213

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
True Total Barium	1.048	50	1	0	105	75	125	0			J

Sample ID: LCSD LOT # Y-BA **Batch ID:** 6584 **Test Code:** 29B **Units:** ppm **Analysis Date:** 11/22/2006 3:32:57 AM **Prep Date:**
Client ID: **Run ID:** I2-OPTIMA_061121C **SeqNo:** 754214

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
True Total Barium	1.056	50	1	0	106	75	125	1.048	0	20	J

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

Sherry Laboratories - Chain of Custody Record

Laboratory Number: **606110511**

Client Information:	Billing Information:	PO Number:	Project Name/Number:	Page 6 of 10
Company Name: IRON ENVIRONMENTAL		Quote Number:	UPSB-WATZE LAKE	Matrix Code
Contact Name: GREG MILLER		Required QC Level:	9077-041-0000	DW = Drinking Water WW = Waste Water GW = Ground Water
Address: 1055 LOUBETON ST. 2nd Floor		Bill Monthly:	Sherry's Signature	AQ = Aqueous OT = Other SL = Sludge SOL = Solid O = Oil SO = Soil F = Food SW = Swab
City, State Zip: BATON ROUGE, LA 70802	Ext: _____		UPS / FedEx / Airborne	NG = Natural Gas NGL = Natural Gas Liquid PW = Produced Water CF = Completion Fluid
Phone Number: 225-344-8490			DHL / Sherry / Hand / Mail	
Fax Number: 225-344-6054				
E-mail Address: _____				

Sample ID/Description	Which Regulations Apply: <input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input type="checkbox"/> NPDES <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC	Turn Time <input type="checkbox"/> Standard <input type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	(Rush turn times will incur a surcharge and must be pre-approved by lab.)	Container Type Quantity	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₈	Requested Tests										Comments	
						Collection Information											
						Date	Time	Grab/Composite	Matrix	SAE	ESP	TPH-D10	Metals	CHLORIDES (420)	% MOISTURE		
B15 (4-6)				G	1	none	11/7/06	12:28	G	So	X	X	X	X	X	X	1
B15 (12-14)				G	1	none	11/7/06	12:34	G	So	X	X	X	X	X	X	2
B15 (14-16)				G	1	none	11/7/06	12:37	G	So	X	X	X	X	X	X	3
B15 (16-18)				G	1	none	11/7/06	12:40	G	So	X	X	X	X	X	X	4
B15 (18-20)				G	1	none	11/7/06	12:46	G	So	X	X	X	X	X	X	5
B15 (24-26)				G	1	none	11/7/06	12:57	G	So	X	X	X	X	X	X	6
B16 (4-6)				G	1	none	11/7/06	14:19	G	So	X	X	X	X	X	X	7
B16 (8-10)				G	1	none	11/7/06	14:23	G	So	X	X	X	X	X	X	8
B16 (10-12)				G	1	none	11/7/06	14:26	G	So	X	X	X	X	X	X	9
B16 (12-14)				G	1	none	11/7/06	14:28	G	So	X	X	X	X	X	X	10

Relinquished by: <i>[Signature]</i>	Date/Time: _____	Received by: _____	Date/Time: _____	Field Notes:
1		Ken Monk	11-10-06/1325	Received at lab on ice?
2	11-10-06/1510	<i>[Signature]</i>	1100ae 1510	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Temp: _____
3				

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

Sherry Laboratories - Chain of Custody Record

Laboratory Number: **LA010511**

Client Information: I CON ENVIRONMENTAL GREG MILLER 1055 CONVENTION ST. 2nd Floor Baton Rouge, LA 70802 225-344-8490 Ext: 225-344-6654		Billing Information: PO Number: Quote Number: Required QC Level: Bill Monthly: <input type="checkbox"/> Yes <input type="checkbox"/> No Ext:	
Company Name: I CON ENVIRONMENTAL Contact Name: GREG MILLER Address: 1055 CONVENTION ST. 2nd Floor Baton Rouge, LA 70802 Phone Number: 225-344-8490 Ext: Fax Number: 225-344-6654 E-mail Address:		Project Name/Number: VPSB - WHITE LAKE 9077-041-0800 Sampler's Signature: [Signature] Shipping Method: UPS / FedEx / Airborne DHL / Sherry / Hand / Mail	

Page 9 of 10

Matrix Code
 DW = Drinking Water
 WW = Waste Water
 GW = Ground Water
 AQ = Aqueous
 SL = Sludge
 O = Oil
 F = Food
 NG = Natural Gas
 NGL = Natural Gas Liquid
 PW = Produced Water
 CF = Completion Fluid
 OT = Other
 SOL = Solid
 SO = Soil
 SW = Swab

Sample ID/Description	Which Regulations Apply:		Turn Time <input type="checkbox"/> Standard <input type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	(Rush turn times will incur a surcharge and must be pre-approved by lab.)	Container		Pres.	Requested Tests						Comments		
	Collection Information				Quantity	Type V=Vial P=Plastic, G=Glass		HCl, HNO ₃ , H ₂ SO ₄ NaOH, Na ₂ SO ₄	BC	% Moisture	SAR	FSP	TPH-d/o		METALS	Chlorides (YPR)
	Date	Time														
B20 (14-16)	<input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input type="checkbox"/> NPDES <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC	<input type="checkbox"/> Drinking Water <input type="checkbox"/> Distribution <input type="checkbox"/> Special <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Standard <input type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other		1	G	none	X	X	X	X	X	X	31		
B20 (16-18)					1	G	none	X	X	X	X	X	X	32		
B20 (18-20)					1	G	none	X	X	X	X	X	X	33		
B20 (24-26)					1	G	none	X	X	X	X	X	X	34		
B21 (4-6)					1	G	none	X	X	X	X	X	X	35		
B21 (6-8)					1	G	none	X	X	X	X	X	X	36		
B21 (8-10)					1	G	none	X	X	X	X	X	X	37		
B21 (10-12)					1	G	none	X	X	X	X	X	X	38		
B21 (12-14)					1	G	none	X	X	X	X	X	X	39		
B21 (14-16)					1	G	none	X	X	X	X	X	X	40		

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:	
				Received at lab on ice?	Yes <input type="checkbox"/> No <input type="checkbox"/> Temp:
[Signature]		[Signature]	11-10-06/1325	<input checked="" type="checkbox"/>	
[Signature]	11-10-06/1510	[Signature]	11-10-06 1510	<input checked="" type="checkbox"/>	

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

Chain of Custody

Yes	No	<input checked="" type="radio"/> N/A	Were seals, if present, intact?
<input checked="" type="radio"/> Yes	No		Is Chain of Custody complete? If no, please comment below.
		<input checked="" type="radio"/> Sherry	FedEx UPS Hand Other: _____

Log In

<input checked="" type="radio"/> Yes	No		Was an attempt made to cool the samples? Temperature: <u>5.6</u> Ambient
<input checked="" type="radio"/> Yes	No	<input checked="" type="radio"/> N/A	Are samples (except VOA vials) properly preserved?
			If preservative added to bottles, which bottles? _____
Yes	No	<input checked="" type="radio"/> N/A	Is the headspace in the VOA vials less than ¼ inch or 6 mm?
Yes	No	<input checked="" type="radio"/> N/A	Are VOA vials preserved with HCl?
<input checked="" type="radio"/> Yes	No		Does paperwork match bottle labels? (Note discrepancies on Chain of Custody)
<input checked="" type="radio"/> Yes	No		Are matrices correctly identified on Chain of Custody?
<input checked="" type="radio"/> Yes	No		Is it clear what analyses were requested?
<input checked="" type="radio"/> Yes	No		Are we able to meet all holding times? (If no, notify customer for authorization.)

Special Handling (if applicable)

Yes	No	<input checked="" type="radio"/> N/A	Was client notified of all discrepancies with this order?
			Person notified: _____ Date: _____ Time: _____
			By whom? _____ Via: Phone Fax In Person
			Regarding: _____ Report / Do Not Report
Yes	No	<input checked="" type="radio"/> N/A	Was other special handling completed? Explain: _____

Notes:

Customer: Icon Laboratory Work Order # 0110511
 Log In Signature: [Signature] Date: 11-10-06 Time: 1510



SHERRYLaboratories

Testing Today – Protecting Tomorrow®

2417 West Pinhook Road
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Lafayette, LA 70598-1816
Fax (337) 233-6540
(800) 737-2378

Greg Miller
ICON Environmental Services
1055 Convention Street, 2nd Floor
Baton Rouge, LA 708024771
TEL: (225) 344-8490
FAX (225) 344-6654

March 07, 2007
Order No.: L06110510

RE: VPSB White Lake

*ABB-AB14
STARTS deeper
than 4 Ft*

Dear Greg Miller:

Sherry Laboratories/Louisiana received 50 samples on 11/10/2006 for the analyses presented in the following report.

In accordance with your instructions, Sherry Laboratories/Louisiana conducted the analysis shown on the following pages on samples submitted by your company. The results related only to the items tested. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet all requirements of NELAC. All relevant sampling information is on the attached Chain-of-Custody form. A "#" by the test method indicates this parameter is outside the scope of accreditation.

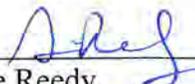
All soil samples except 29-B data are on a wet-weight basis unless otherwise indicated.

Louisiana Certification/Accreditation: 01997

A scope of Certified/Accredited parameters is available upon request.

If you have any questions regarding these test results, please feel free to call.

Sincerely,
Jerry Landry
Laboratory Director

Approved By: 
Annie Reedy
Assistant Laboratory Director

Total Pages in this Report 77



2417 West Pinhook Road
Lafayette LA 70508-3344
(337) 235-0483

P O Box 81816
Lafayette LA 70598-1816
Fax: (337) 233-6540
(800) 737-2378

Date: 07-Mar-07

CLIENT: ICON Environmental Services
Project: VPSB White Lake
Lab Order: L06110510

CASE NARRATIVE

Unless specified by the client, a duplicate or MS/MSD, wherever applicable, is randomly selected and analyzed from each analytical batch provided sample volume is sufficient. The sample chosen for duplicate or MS/MSD may or may not be a sample submitted in this workorder. A method blank and/or a lab control sample (LCS)/lab control sample duplicate (LCSD), wherever applicable, are processed as a quality control check for each analytical batch. When the matrix QC data is not available due to insufficient sample volume or when the results indicate possible matrix effect, the validity of the batch is determined by the method blank and LCS/LCSD.

ESP was not analyzed for L06110510-02, 10, 11, 23 & 36 due to insufficient sample amount.

Any other exceptions associated with this report will be footnoted in the results page(s) or the QC summary page(s).



SHERRY Laboratories

Testing Today - Protecting Tomorrow®

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Lafayette LA 70508-3344
(337) 235-0483

P O Box 81816
Lafayette LA 70598-1816
Fax: (337) 233-6540
(800) 737-2378

CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-01 **Collection Date:** 11/6/2006 9:46:00 AM **Sample ID:** AB8 (6-8')

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	11.6	0.996		mg/Kg-dry	11/17/2006 10:38:13 PM	
Barium	301	0.996		mg/Kg-dry	11/17/2006 10:38:13 PM	
Cadmium	0.271	0.0996		mg/Kg-dry	11/17/2006 10:38:13 PM	
Chromium	10.9	0.996		mg/Kg-dry	11/17/2006 10:38:13 PM	
Lead	14.1	0.498		mg/Kg-dry	11/17/2006 10:38:13 PM	
Strontium	261	9.96		mg/Kg-dry	11/28/2006 11:00:33 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	2,900	400	H	mg/Kg-dry	12/6/2006 11:20:00 AM	
ELECTRICAL CONDUCTIVITY		29B				MB
Electrical Conductivity	10.9	0.100		mmhos/cm	11/27/2006 7:06:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE		29B				MB
Exchangeable Sodium %	30.2	0.100		%	12/8/2006 7:41:00 PM	
PERCENT MOISTURE		SW9071 #				MB
Percent Moisture	76.2	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO		29B				STS
Sodium Adsorption Ratio	38.7	0.100		meq	12/1/2006 2:28:53 PM	
Soluble Calcium	20.2	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	11.1	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	153	1.00		meq	12/1/2006 2:28:53 PM	
TRUE TOTAL BARIUM		29B				STS
True Total Barium	390	45.6		ppm	11/22/2006 1:55:25 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-02 **Collection Date:** 11/6/2006 9:50:00 AM **Sample ID:** AB8 (8-10)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	2,550	M4500-CL B 400	H	mg/Kg-dry	12/29/2006 3:40:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	11.1	29B 0.100	H	mmhos/cm	12/11/2006 10:40:00 AM	AG
PERCENT MOISTURE Percent Moisture	76.3	SW9071 # 0.0100		wt%	11/13/2006	MB
SODIUM ADSORPTION RATIO Sodium Adsorption Ratio	37.8	29B 0.100		meq	12/18/2006 2:02:02 PM	STS
Soluble Calcium	15.0	1.00		meq	12/18/2006 2:02:02 PM	
Soluble Magnesium	10.7	1.00		meq	12/18/2006 2:02:02 PM	
Soluble Sodium	136	1.00		meq	12/18/2006 2:02:02 PM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Date Received: 11/10/2006

Project: VPSB White Lake

Date Reported: 07-Mar-07

Lab ID: L06110510-03 **Collection Date:** 11/6/2006 9:55:00 AM **Sample ID:** AB8 (10-12)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
		SW6010B				
Arsenic	10.7	0.997		mg/Kg-dry	11/17/2006 10:42:13 PM	
Barium	150	0.997		mg/Kg-dry	11/17/2006 10:42:13 PM	
Cadmium	0.185	0.0997		mg/Kg-dry	11/17/2006 10:42:13 PM	
Chromium	8.58	0.997		mg/Kg-dry	11/17/2006 10:42:13 PM	
Lead	13.0	0.498		mg/Kg-dry	11/17/2006 10:42:13 PM	
Strontium	87.5	0.997		mg/Kg-dry	11/17/2006 10:42:13 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)						SBH
		SW8015B				
Surr: n-Pentacosane	93.1	30-148		%REC	11/16/2006 11:34:00 AM	
SOLUBLE CHLORIDE						SP
		M4500-CL B				
Chlorides	1,750	400	H	mg/Kg-dry	12/6/2006 11:20:00 AM	
ELECTRICAL CONDUCTIVITY						MB
		29B				
Electrical Conductivity	6.99	0.100		mmhos/cm	11/27/2006 7:06:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE						MB
		29B				
Exchangeable Sodium %	29.4	0.100		%	12/8/2006 7:41:00 PM	
PERCENT MOISTURE						MB
		SW9071 #				
Percent Moisture	49.8	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO						STS
		29B				
Sodium Adsorption Ratio	47.6	0.100		meq	12/1/2006 2:28:53 PM	
Soluble Calcium	4.90	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	1.72	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	86.6	1.00		meq	12/1/2006 2:28:53 PM	
TPH BY GC/FID						SBH
		SW8015B				
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/16/2006 11:34:00 AM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/16/2006 11:34:00 AM	
TRUE TOTAL BARIUM						STS
		29B				
True Total Barium	160	45.7		ppm	11/22/2006 1:59:40 AM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Date Received: 11/10/2006

Project: VPSB White Lake

Date Reported: 07-Mar-07

Lab ID: L06110510-04 **Collection Date:** 11/6/2006 9:59:00 AM **Sample ID:** AB8 (12-14)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	225	M4500-CL B 40.0	H	mg/Kg-dry	12/6/2006 11:20:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	2.34	29B 0.100		mmhos/cm	11/27/2006 7:06:00 PM	MB
PERCENT MOISTURE Percent Moisture	21.4	SW9071 # 0.0100		wt%	11/13/2006	MB

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Date Received: 11/10/2006

Project: VPSB White Lake

Date Reported: 07-Mar-07

Lab ID: L06110510-05 **Collection Date:** 11/6/2006 10:06:00 A **Sample ID:** AB8 (14-16)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	96.7	30-148		%REC	11/16/2006 11:41:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	205	40.0	H	mg/Kg-dry	12/6/2006 11:20:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	1.79	0.100		mmhos/cm	11/27/2006 7:06:00 PM	MB
PERCENT MOISTURE Percent Moisture	22.5	0.0100		wt%	11/13/2006	MB
TPH BY GC/FID TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/16/2006 11:41:00 AM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/16/2006 11:41:00 AM	SBH

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-06 **Collection Date:** 11/6/2006 10:11:00 A **Sample ID:** AB8 (16-18)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	285	M4500-CL B 40.0	H	mg/Kg-dry	12/6/2006 11:20:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	1.85	29B 0.100		mmhos/cm	11/27/2006 7:06:00 PM	MB
PERCENT MOISTURE Percent Moisture	18.8	SW9071 # 0.0100		wt%	11/13/2006	MB

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-07 **Collection Date:** 11/6/2006 10:18:00 A **Sample ID:** AB8 (18-20)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	350	M4500-CL B 40.0	H	mg/Kg-dry	12/6/2006 11:20:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	2.54	29B 0.100		mmhos/cm	11/27/2006 7:06:00 PM	MB
PERCENT MOISTURE Percent Moisture	22.4	SW9071 # 0.0100		wt%	11/13/2006	MB

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-08 **Collection Date:** 11/6/2006 10:27:00 A **Sample ID:** AB8 (20-22)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	690	M4500-CL B 40.0	H	mg/Kg-dry	12/6/2006 11:20:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	3.18	29B 0.100		mmhos/cm	11/27/2006 7:06:00 PM	MB
PERCENT MOISTURE Percent Moisture	21.1	SW9071 # 0.0100		wt%	11/13/2006	MB

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Date Received: 11/10/2006

Project: VPSB White Lake

Date Reported: 07-Mar-07

Lab ID: L06110510-09 **Collection Date:** 11/6/2006 11:05:00 A **Sample ID:** AB9 (6-8)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	8.41	0.997		mg/Kg-dry	11/17/2006 10:55:47 PM	
Barium	342	0.997		mg/Kg-dry	11/17/2006 10:55:47 PM	
Cadmium	0.267	0.0997		mg/Kg-dry	11/17/2006 10:55:47 PM	
Chromium	13.7	0.997		mg/Kg-dry	11/17/2006 10:55:47 PM	
Lead	21.0	0.498		mg/Kg-dry	11/17/2006 10:55:47 PM	
Strontium	199	9.97		mg/Kg-dry	11/28/2006 11:13:40 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	2,100	400	H	mg/Kg-dry	12/6/2006 1:30:00 PM	
ELECTRICAL CONDUCTIVITY		29B				MB
Electrical Conductivity	6.11	0.100		mmhos/cm	11/27/2006 7:06:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE		29B				MB
Exchangeable Sodium %	28.3	0.100		%	12/8/2006 7:41:00 PM	
PERCENT MOISTURE		SW9071 #				MB
Percent Moisture	64.3	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO		29B				STS
Sodium Adsorption Ratio	49.8	0.100		meq	12/1/2006 2:28:53 PM	
Soluble Calcium	2.24	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	1.54	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	68.4	1.00		meq	12/1/2006 2:28:53 PM	
TRUE TOTAL BARIUM		29B				STS
True Total Barium	447	46.0		ppm	11/22/2006 2:03:52 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Date Received: 11/10/2006

Project: VPSB White Lake

Date Reported: 07-Mar-07

Lab ID: L06110510-10 **Collection Date:** 11/6/2006 11:08:00 A **Sample ID:** AB9 (8-10)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	2,750	M4500-CL B 400	H	mg/Kg-dry	12/29/2006 3:40:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	11.4	29B 0.100	H	mmhos/cm	12/11/2006 10:40:00 AM	AG
PERCENT MOISTURE Percent Moisture	68.2	SW9071 # 0.0100		wt%	11/13/2006	MB
SODIUM ADSORPTION RATIO Sodium Adsorption Ratio	41.5	29B 0.100		meq	12/18/2006 2:02:02 PM	STS
Soluble Calcium	14.2	1.00		meq	12/18/2006 2:02:02 PM	
Soluble Magnesium	8.74	1.00		meq	12/18/2006 2:02:02 PM	
Soluble Sodium	140	1.00		meq	12/18/2006 2:02:02 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-11 **Collection Date:** 11/6/2006 11:11:00 A **Sample ID:** AB9 (10-12)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	2,700	M4500-CL B 400	H	mg/Kg-dry	12/6/2006 1:30:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	9.71	29B 0.100		mmhos/cm	11/27/2006 7:06:00 PM	MB
PERCENT MOISTURE Percent Moisture	48.5	SW9071 # 0.0100		wt%	11/13/2006	MB
SODIUM ADSORPTION RATIO Sodium Adsorption Ratio	64.0	29B 0.100		meq	12/1/2006 2:28:53 PM	STS
Soluble Calcium	5.06	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	2.08	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	121	1.00		meq	12/1/2006 2:28:53 PM	

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-12 **Collection Date:** 11/6/2006 11:15:00 A **Sample ID:** AB9 (12-14)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	6.27	0.996		mg/Kg-dry	11/17/2006 11:00:00 PM	
Barium	120	0.996		mg/Kg-dry	11/17/2006 11:00:00 PM	
Cadmium	0.132	0.0996		mg/Kg-dry	11/17/2006 11:00:00 PM	
Chromium	8.41	0.996		mg/Kg-dry	11/17/2006 11:00:00 PM	
Lead	14.6	0.498		mg/Kg-dry	11/17/2006 11:00:00 PM	
Strontium	54.0	0.996		mg/Kg-dry	11/17/2006 11:00:00 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	97.0	30-148		%REC	11/16/2006 11:47:00 AM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	1,800	400	H	mg/Kg-dry	12/6/2006 1:30:00 PM	
ELECTRICAL CONDUCTIVITY		29B				MB
Electrical Conductivity	6.81	0.100		mmhos/cm	11/27/2006 7:06:00 PM	
PERCENT MOISTURE		SW9071 #				MB
Percent Moisture	34.4	0.0100		wt%	11/13/2006	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/16/2006 11:47:00 AM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/16/2006 11:47:00 AM	
TRUE TOTAL BARIUM		29B				STS
True Total Barium	132	45.7		ppm	11/22/2006 2:08:03 AM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-13 **Collection Date:** 11/6/2006 11:26:00 A **Sample ID:** AB9 (16-18)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	395	M4500-CL B 40.0	H	mg/Kg-dry	12/6/2006 1:30:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	3.18	29B 0.100		mmhos/cm	11/27/2006 7:06:00 PM	MB
PERCENT MOISTURE Percent Moisture	22.6	SW9071 # 0.0100		wt%	11/13/2006	MB

Qualifiers:

- +DO - Diluted out due to dilution
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-14 **Collection Date:** 11/6/2006 11:28:00 A **Sample ID:** AB9 (18-20)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	89.1	30-148		%REC	11/16/2006 11:54:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	320	40.0	H	mg/Kg-dry	12/6/2006 1:30:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	2.64	0.100		mmhos/cm	11/27/2006 7:06:00 PM	MB
PERCENT MOISTURE Percent Moisture	22.8	0.0100		wt%	11/13/2006	MB
TPH BY GC/FID TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/16/2006 11:54:00 AM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/16/2006 11:54:00 AM	SBH

Qualifiers:

- +DO - Diluted out due to dilution
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Date Received: 11/10/2006

Project: VPSB White Lake

Date Reported: 07-Mar-07

Lab ID: L06110510-15 **Collection Date:** 11/6/2006 11:30:00 A **Sample ID:** AB9 (22-24)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	1,210	M4500-CL B 80.0	H	mg/Kg-dry	12/6/2006 1:30:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	4.36	29B 0.100		mmhos/cm	11/27/2006 7:06:00 PM	MB
PERCENT MOISTURE Percent Moisture	21.4	SW9071 # 0.0100		wt%	11/13/2006	MB

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-16 **Collection Date:** 11/6/2006 2:40:00 PM **Sample ID:** AB10 (4-6)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	3.69	1.00		mg/Kg-dry	11/17/2006 11:04:42 PM	
Barium	88.6	1.00		mg/Kg-dry	11/17/2006 11:04:42 PM	
Cadmium	< 0.100	0.100		mg/Kg-dry	11/17/2006 11:04:42 PM	
Chromium	13.4	1.00		mg/Kg-dry	11/17/2006 11:04:42 PM	
Lead	18.4	0.500		mg/Kg-dry	11/17/2006 11:04:42 PM	
Strontium	39.8	1.00		mg/Kg-dry	11/17/2006 11:04:42 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	2,150	400	H	mg/Kg-dry	12/6/2006 1:30:00 PM	
ELECTRICAL CONDUCTIVITY		29B				MB
Electrical Conductivity	6.33	0.100		mmhos/cm	11/27/2006 7:06:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE		29B				MB
Exchangeable Sodium %	13.6	0.100		%	12/8/2006 7:41:00 PM	
PERCENT MOISTURE		SW9071 #				MB
Percent Moisture	53.7	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO		29B				STS
Sodium Adsorption Ratio	15.9	0.100		meq	12/1/2006 2:28:53 PM	
Soluble Calcium	7.92	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	16.5	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	55.5	1.00		meq	12/1/2006 2:28:53 PM	
TRUE TOTAL BARIUM		29B				STS
True Total Barium	150	46.7		ppm	11/22/2006 2:12:15 AM	

Qualifiers:

+DO - Diluted out due to dilution

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds MCL or Permit Limitation

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

M1+ - Matrix Interference

H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-17 **Collection Date:** 11/6/2006 2:42:00 PM **Sample ID:** AB10 (8-10)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	1,850	M4500-CL B 400	H	mg/Kg-dry	12/6/2006 1:30:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	7.54	29B 0.100		mmhos/cm	11/27/2006 7:06:00 PM	MB
EXCHANGEABLE SODIUM PERCENTAGE Exchangeable Sodium %	17.2	29B 0.100		%	12/8/2006 7:41:00 PM	MB
PERCENT MOISTURE Percent Moisture	49.3	SW9071 # 0.0100		wt%	11/13/2006	MB
SODIUM ADSORPTION RATIO Sodium Adsorption Ratio	12.7	29B 0.100		meq	12/1/2006 2:28:53 PM	STS
Soluble Calcium	22.7	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	31.8	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	66.5	1.00		meq	12/1/2006 2:28:53 PM	

Qualifiers:

- +DO - Diluted out due to dilution
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
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- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-18 **Collection Date:** 11/6/2006 2:45:00 PM **Sample ID:** AB10 (10-12)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	1,300	M4500-CL B 200	H	mg/Kg-dry	12/6/2006 1:30:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	4.86	29B 0.100		mmhos/cm	11/27/2006 7:06:00 PM	MB
EXCHANGEABLE SODIUM PERCENTAGE Exchangeable Sodium %	12.0	29B 0.100		%	12/8/2006 7:41:00 PM	MB
PERCENT MOISTURE Percent Moisture	25.6	SW9071 # 0.0100		wt%	11/13/2006	MB
SODIUM ADSORPTION RATIO Sodium Adsorption Ratio	12.2	29B 0.100		meq	12/1/2006 2:28:53 PM	STS
Soluble Calcium	9.59	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	13.3	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	41.2	1.00		meq	12/1/2006 2:28:53 PM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-19 **Collection Date:** 11/6/2006 2:50:00 PM **Sample ID:** AB10 (12-14)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	3.96	0.993		mg/Kg-dry	11/17/2006 11:09:16 PM	
Barium	75.6	0.993		mg/Kg-dry	11/17/2006 11:09:16 PM	
Cadmium	< 0.0993	0.0993		mg/Kg-dry	11/17/2006 11:09:16 PM	
Chromium	6.79	0.993		mg/Kg-dry	11/17/2006 11:09:16 PM	
Lead	10.1	0.497		mg/Kg-dry	11/17/2006 11:09:16 PM	
Strontium	25.3	0.993		mg/Kg-dry	11/17/2006 11:09:16 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	89.5	30-148		%REC	11/16/2006 12:00:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	1,800	400	H	mg/Kg-dry	12/6/2006 1:30:00 PM	
ELECTRICAL CONDUCTIVITY		29B				MB
Electrical Conductivity	6.54	0.100		mmhos/cm	11/27/2006 7:06:00 PM	
PERCENT MOISTURE		SW9071 #				MB
Percent Moisture	34.1	0.0100		wt%	11/13/2006	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/16/2006 12:00:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/16/2006 12:00:00 PM	
TRUE TOTAL BARIUM		29B				STS
True Total Barium	106	47.6		ppm	11/22/2006 2:16:27 AM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-20 **Collection Date:** 11/6/2006 2:56:00 PM **Sample ID:** AB10 (14-16)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	95.2	30-148		%REC	11/16/2006 12:06:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	490	40.0	H	mg/Kg-dry	12/6/2006 1:30:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	2.15	0.100		mmhos/cm	11/27/2006 7:06:00 PM	MB
PERCENT MOISTURE Percent Moisture	20.0	0.0100		wt%	11/13/2006	MB
TPH BY GC/FID TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/16/2006 12:06:00 PM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/16/2006 12:06:00 PM	SBH

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Date Received: 11/10/2006

Project: VPSB White Lake

Date Reported: 07-Mar-07

Lab ID: L06110510-21 **Collection Date:** 11/6/2006 3:07:00 PM **Sample ID:** AB10 (18-20)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	470	M4500-CL B 40.0	H	mg/Kg-dry	12/6/2006 1:30:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	1.89	29B 0.100		mmhos/cm	11/27/2006 7:06:00 PM	MB
PERCENT MOISTURE Percent Moisture	19.9	SW9071 # 0.0100		wt%	11/13/2006	MB

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-22 **Collection Date:** 11/6/2006 3:14:00 PM **Sample ID:** AB10 (20-22)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	655	M4500-CL B 40.0	H	mg/Kg-dry	12/6/2006 1:30:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	2.87	29B 0.100		mmhos/cm	11/27/2006 7:06:00 PM	MB
PERCENT MOISTURE Percent Moisture	24.7	SW9071 # 0.0100		wt%	11/13/2006	MB

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Date Received: 11/10/2006

Project: VPSB White Lake

Date Reported: 07-Mar-07

Lab ID: L06110510-24 **Collection Date:** 11/6/2006 3:34:00 PM **Sample ID:** AB11 (6-8)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	4.97	0.997		mg/Kg-dry	11/17/2006 11:18:03 PM	
Barium	92.7	0.997		mg/Kg-dry	11/17/2006 11:18:03 PM	
Cadmium	0.151	0.0997		mg/Kg-dry	11/17/2006 11:18:03 PM	
Chromium	13.1	0.997		mg/Kg-dry	11/17/2006 11:18:03 PM	
Lead	15.7	0.499		mg/Kg-dry	11/17/2006 11:18:03 PM	
Strontium	44.7	0.997		mg/Kg-dry	11/17/2006 11:18:03 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	5,200	400	H	mg/Kg-dry	12/6/2006 1:30:00 PM	
ELECTRICAL CONDUCTIVITY		29B				MB
Electrical Conductivity	11.9	0.100		mmhos/cm	11/27/2006 7:24:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE		29B				MB
Exchangeable Sodium %	12.1	0.100		%	12/8/2006 7:41:00 PM	
PERCENT MOISTURE		SW9071 #				MB
Percent Moisture	53.1	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO		29B				STS
Sodium Adsorption Ratio	19.0	0.100		meq	12/1/2006 2:28:53 PM	
Soluble Calcium	21.6	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	50.9	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	114	1.00		meq	12/1/2006 2:28:53 PM	
TRUE TOTAL BARIUM		29B				STS
True Total Barium	144	47.9		ppm	11/22/2006 2:33:40 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-25 **Collection Date:** 11/6/2006 3:43:00 PM **Sample ID:** AB11 (10-12)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	5,900	M4500-CL B 400	H	mg/Kg-dry	12/6/2006 1:30:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	11.8	29B 0.100		mmhos/cm	11/27/2006 7:24:00 PM	MB
EXCHANGEABLE SODIUM PERCENTAGE Exchangeable Sodium %	7.56	29B 0.100		%	12/8/2006 7:41:00 PM	MB
PERCENT MOISTURE Percent Moisture	60.0	SW9071 # 0.0100		wt%	11/13/2006	MB
SODIUM ADSORPTION RATIO Sodium Adsorption Ratio	20.0	29B 0.100		meq	12/1/2006 2:28:53 PM	STS
Soluble Calcium	23.3	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	63.8	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	132	1.00		meq	12/1/2006 2:28:53 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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Lab Order: L06110510

Date Received: 11/10/2006

Project: VPSB White Lake

Date Reported: 07-Mar-07

Lab ID: L06110510-26 **Collection Date:** 11/6/2006 3:47:00 PM **Sample ID:** AB11 (12-14)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	1,400	M4500-CL B 400	H	mg/Kg-dry	12/6/2006 1:30:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	5.32	29B 0.100		mmhos/cm	11/27/2006 7:24:00 PM	MB
PERCENT MOISTURE Percent Moisture	24.1	SW9071 # 0.0100		wt%	11/13/2006	MB

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-27 **Collection Date:** 11/6/2006 3:53:00 PM **Sample ID:** AB11 (14-16)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	750	M4500-CL B 200	H	mg/Kg-dry	12/6/2006 1:30:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	3.90	29B 0.100		mmhos/cm	11/27/2006 7:24:00 PM	MB
PERCENT MOISTURE Percent Moisture	24.9	SW9071 # 0.0100		wt%	11/13/2006	MB

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-28 **Collection Date:** 11/6/2006 3:59:00 PM **Sample ID:** AB11 (16-18)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	94.2	SW8015B 30-148		%REC	11/16/2006 12:19:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	370	M4500-CL B 40.0	H	mg/Kg-dry	12/6/2006 1:30:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	2.08	29B 0.100		mmhos/cm	11/27/2006 7:24:00 PM	MB
PERCENT MOISTURE Percent Moisture	19.1	SW9071 # 0.0100		wt%	11/13/2006	MB
TPH BY GC/FID TPH (Diesel Range)	< 10.0	SW8015B 10.0		mg/Kg	11/16/2006 12:19:00 PM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/16/2006 12:19:00 PM	SBH

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-29 **Collection Date:** 11/6/2006 4:04:00 PM **Sample ID:** AB11 (18-20)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	375	M4500-CL B 40.0	H	mg/Kg-dry	12/6/2006 1:30:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	1.86	29B 0.100		mmhos/cm	11/27/2006 7:24:00 PM	MB
PERCENT MOISTURE Percent Moisture	20.1	SW9071 # 0.0100		wt%	11/13/2006	MB

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-30 **Collection Date:** 11/7/2006 8:14:00 AM **Sample ID:** AB12 (6-8)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
Arsenic	5.07	0.995		mg/Kg-dry	11/17/2006 11:22:36 PM	
Barium	148	0.995		mg/Kg-dry	11/17/2006 11:22:36 PM	
Cadmium	< 0.0995	0.0995		mg/Kg-dry	11/17/2006 11:22:36 PM	
Chromium	14.3	0.995		mg/Kg-dry	11/17/2006 11:22:36 PM	
Lead	15.3	0.497		mg/Kg-dry	11/17/2006 11:22:36 PM	
Strontium	73.7	0.995		mg/Kg-dry	11/17/2006 11:22:36 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)						SBH
Surr: n-Pentacosane	83.9	30-148		%REC	11/16/2006 12:26:00 PM	
SOLUBLE CHLORIDE						SP
Chlorides	4,850	400	H	mg/Kg-dry	12/6/2006 1:30:00 PM	
ELECTRICAL CONDUCTIVITY						MB
Electrical Conductivity	11.7	0.100		mmhos/cm	11/27/2006 7:24:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE						MB
Exchangeable Sodium %	62.9	0.100		%	12/8/2006 7:41:00 PM	
PERCENT MOISTURE						MB
Percent Moisture	54.1	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO						STS
Sodium Adsorption Ratio	68.2	0.100		meq	12/1/2006 2:28:53 PM	
Soluble Calcium	5.60	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	4.32	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	152	1.00		meq	12/1/2006 2:28:53 PM	
TPH BY GC/FID						SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/16/2006 12:26:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/16/2006 12:26:00 PM	
TRUE TOTAL BARIUM						STS
True Total Barium	217	48.4		ppm	11/22/2006 2:37:52 AM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-31 **Collection Date:** 11/7/2006 8:16:00 AM **Sample ID:** AB12 (8-10)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	15,500	M4500-CL B 2,000	H	mg/Kg-dry	12/6/2006 2:35:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	27.1	29B 0.100		mmhos/cm	11/27/2006 7:24:00 PM	MB
EXCHANGEABLE SODIUM PERCENTAGE Exchangeable Sodium %	29.7	29B 0.100		%	12/8/2006 7:41:00 PM	MB
PERCENT MOISTURE Percent Moisture	60.4	SW9071 # 0.0100		wt%	11/13/2006	MB
SODIUM ADSORPTION RATIO Sodium Adsorption Ratio	86.3	29B 0.100		meq	12/1/2006 2:28:53 PM	STS
Soluble Calcium	27.8	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	28.5	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	458	1.00		meq	12/1/2006 2:28:53 PM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-32 **Collection Date:** 11/7/2006 8:17:00 AM **Sample ID:** AB12 (12-14)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
Arsenic	5.05	0.991		mg/Kg-dry	11/17/2006 11:27:10 PM	
Barium	169	0.991		mg/Kg-dry	11/17/2006 11:27:10 PM	
Cadmium	0.156	0.0991		mg/Kg-dry	11/17/2006 11:27:10 PM	
Chromium	7.46	0.991		mg/Kg-dry	11/17/2006 11:27:10 PM	
Lead	12.1	0.495		mg/Kg-dry	11/17/2006 11:27:10 PM	
Strontium	74.6	0.991		mg/Kg-dry	11/17/2006 11:27:10 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)						SBH
Surr: n-Pentacosane	91.9	30-148		%REC	11/16/2006 12:32:00 PM	
SOLUBLE CHLORIDE						SP
Chlorides	30,800	2,000	H	mg/Kg-dry	12/6/2006 2:35:00 PM	
ELECTRICAL CONDUCTIVITY						MB
Electrical Conductivity	61.5	0.500		mmhos/cm	11/27/2006 7:24:00 PM	
PERCENT MOISTURE						MB
Percent Moisture	51.8	0.0100		wt%	11/13/2006	
TPH BY GC/FID						SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/16/2006 12:32:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/16/2006 12:32:00 PM	
TRUE TOTAL BARIUM						STS
True Total Barium	208	47.6		ppm	11/22/2006 2:42:05 AM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-33 **Collection Date:** 11/7/2006 8:24:00 AM **Sample ID:** AB12 (14-16)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	14,000	M4500-CL B 2,000	H	mg/Kg-dry	12/6/2006 2:35:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	22.5	29B 0.100		mmhos/cm	11/27/2006 7:24:00 PM	MB
PERCENT MOISTURE Percent Moisture	26.6	SW9071 # 0.0100		wt%	11/13/2006	MB

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-34 **Collection Date:** 11/7/2006 8:25:00 AM **Sample ID:** AB12 (16-18)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	15,200	M4500-CL B 2,000	H	mg/Kg-dry	12/6/2006 2:35:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	21.9	29B 0.100		mmhos/cm	11/27/2006 7:24:00 PM	MB
PERCENT MOISTURE Percent Moisture	37.1	SW9071 # 0.0100		wt%	11/13/2006	MB

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-35 **Collection Date:** 11/7/2006 8:35:00 AM **Sample ID:** AB12 (22-24)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	6,400	M4500-CL B 400	H	mg/Kg-dry	12/6/2006 2:35:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	12.5	29B 0,100		mmhos/cm	11/27/2006 7:24:00 PM	MB
PERCENT MOISTURE Percent Moisture	20.7	SW9071 # 0.0100		wt%	11/13/2006	MB

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-36 **Collection Date:** 11/7/2006 8:52:00 AM **Sample ID:** AB13 (4-6)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	6.35	0.996		mg/Kg-dry	11/17/2006 11:31:52 PM	
Barium	422	0.996		mg/Kg-dry	11/17/2006 11:31:52 PM	
Cadmium	0.150	0.0996		mg/Kg-dry	11/17/2006 11:31:52 PM	
Chromium	16.8	0.996		mg/Kg-dry	11/17/2006 11:31:52 PM	
Lead	21.9	0.498		mg/Kg-dry	11/17/2006 11:31:52 PM	
Strontium	100	9.96		mg/Kg-dry	11/28/2006 11:17:56 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	+DO	30-148	S	%REC	11/16/2006 5:01:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	3,100	400	H	mg/Kg-dry	12/29/2006 3:40:00 PM	
ELECTRICAL CONDUCTIVITY		29B				AG
Electrical Conductivity	9.50	0.500	H	mmhos/cm	12/11/2006 10:40:00 AM	
PERCENT MOISTURE		SW9071 #				MB
Percent Moisture	75.0	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO		29B				STS
Sodium Adsorption Ratio	14.8	0.100		meq	12/18/2006 2:02:02 PM	
Soluble Calcium	9.13	1.00		meq	12/18/2006 2:02:02 PM	
Soluble Magnesium	21.1	1.00		meq	12/18/2006 2:02:02 PM	
Soluble Sodium	57.5	1.00		meq	12/18/2006 2:02:02 PM	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	2,100	400		mg/Kg	11/16/2006 5:01:00 PM	
TPH (Oil Range)	1,440	1,440		mg/Kg	11/16/2006 5:01:00 PM	
TRUE TOTAL BARIUM		29B				STS
True Total Barium	556	47.5		ppm	11/22/2006 2:46:17 AM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-37 **Collection Date:** 11/7/2006 8:54:00 AM **Sample ID:** AB13 (8-10)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP	SW6010B					STS
Arsenic	10.5	0.999		mg/Kg-dry	11/17/2006 11:36:05 PM	
Barium	148	0.999		mg/Kg-dry	11/17/2006 11:36:05 PM	
Cadmium	0.203	0.0999		mg/Kg-dry	11/17/2006 11:36:05 PM	
Chromium	14.1	0.999		mg/Kg-dry	11/17/2006 11:36:05 PM	
Lead	17.7	0.499		mg/Kg-dry	11/17/2006 11:36:05 PM	
Strontium	111	9.99		mg/Kg-dry	11/28/2006 11:22:09 PM	
SOLUBLE CHLORIDE	M4500-CL B					SP
Chlorides	2,750	400	H	mg/Kg-dry	12/6/2006 2:35:00 PM	
ELECTRICAL CONDUCTIVITY	29B					MB
Electrical Conductivity	8.03	0.100		mmhos/cm	11/27/2006 7:24:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE	29B					MB
Exchangeable Sodium %	27.6	0.100		%	12/8/2006 7:41:00 PM	
PERCENT MOISTURE	SW9071 #					MB
Percent Moisture	55.9	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO	29B					STS
Sodium Adsorption Ratio	37.0	0.100		meq	12/1/2006 2:28:53 PM	
Soluble Calcium	6.46	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	6.08	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	92.6	1.00		meq	12/1/2006 2:28:53 PM	
TRUE TOTAL BARIUM	29B					STS
True Total Barium	217	49.1		ppm	11/22/2006 2:50:29 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-38 **Collection Date:** 11/7/2006 8:58:00 AM **Sample ID:** AB13 (10-12)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	87.6	30-148		%REC	11/16/2006 1:38:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	5,800	400	H	mg/Kg-dry	12/6/2006 2:35:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	13.3	0.100		mmhos/cm	11/27/2006 7:24:00 PM	MB
EXCHANGEABLE SODIUM PERCENTAGE Exchangeable Sodium %	47.1	0.100		%	12/8/2006 7:41:00 PM	MB
PERCENT MOISTURE Percent Moisture	59.0	0.0100		wt%	11/13/2006	MB
SODIUM ADSORPTION RATIO Sodium Adsorption Ratio	30.4	0.100		meq	12/1/2006 2:28:53 PM	STS
Soluble Calcium	< 1.00	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	< 1.00	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	17.7	1.00		meq	12/1/2006 2:28:53 PM	
TPH BY GC/FID TPH (Diesel Range)	90.6	10.0		mg/Kg	11/16/2006 1:38:00 PM	SBH
TPH (Oil Range)	70.9	50.0		mg/Kg	11/16/2006 1:38:00 PM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-39 **Collection Date:** 11/7/2006 9:02:00 AM **Sample ID:** AB13 (12-14)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	5,200	M4500-CL B 400	H	mg/Kg-dry	12/6/2006 2:35:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	11.5	29B 0.100		mmhos/cm	11/27/2006 7:24:00 PM	MB
PERCENT MOISTURE Percent Moisture	30.1	SW9071 # 0.0100		wt%	11/13/2006	MB

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-40 **Collection Date:** 11/7/2006 9:06:00 AM **Sample ID:** AB13 (14-16)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	4,800	M4500-CL B 400	H	mg/Kg-dry	12/6/2006 2:35:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	10.2	29B 0.100		mmhos/cm	11/27/2006 7:24:00 PM	MB
PERCENT MOISTURE Percent Moisture	31.7	SW9071 # 0.0100		wt%	11/13/2006	AG

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-41 **Collection Date:** 11/7/2006 9:09:00 AM **Sample ID:** AB13 (16-18)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	3,750	M4500-CL B 400	H	mg/Kg-dry	12/6/2006 2:35:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	8.25	29B 0.100		mmhos/cm	11/27/2006 7:24:00 PM	MB
PERCENT MOISTURE Percent Moisture	22.0	SW9071 # 0.0100		wt%	11/13/2006	AG

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-42 **Collection Date:** 11/7/2006 9:22:00 AM **Sample ID:** AB13 (24-26)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	M4500-CL B 4,800	400	H	mg/Kg-dry	12/6/2006 2:35:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29B 9.40	0.100		mmhos/cm	11/27/2006 7:24:00 PM	MB
PERCENT MOISTURE Percent Moisture	SW9071 # 20.5	0.0100		wt%	11/13/2006	AG

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-43 **Collection Date:** 11/7/2006 10:08:00 A **Sample ID:** AB14 (4-6)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
						SW6010B
Arsenic	7.68	0.991		mg/Kg-dry	11/17/2006 11:49:11 PM	
Barium	480	0.991		mg/Kg-dry	11/17/2006 11:49:11 PM	
Cadmium	0.246	0.0991		mg/Kg-dry	11/17/2006 11:49:11 PM	
Chromium	14.2	0.991		mg/Kg-dry	11/17/2006 11:49:11 PM	
Lead	20.3	0.495		mg/Kg-dry	11/17/2006 11:49:11 PM	
Strontium	259	9.91		mg/Kg-dry	11/28/2006 11:26:22 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)						SBH
						SW8015B
Surr: n-Pentacosane	87.7	30-148		%REC	11/16/2006 1:44:00 PM	
SOLUBLE CHLORIDE						SP
						M4500-CL B
Chlorides	11,200	2,000	H	mg/Kg-dry	12/29/2006 3:40:00 PM	
ELECTRICAL CONDUCTIVITY						AG
						29B
Electrical Conductivity	24.7	0.500	H	mmhos/cm	12/11/2006 10:40:00 AM	
EXCHANGEABLE SODIUM PERCENTAGE						MB
						29B
Exchangeable Sodium %	35.2	0.100		%	12/13/2006 6:02:00 PM	
PERCENT MOISTURE						AG
						SW9071 #
Percent Moisture	74.5	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO						STS
						29B
Sodium Adsorption Ratio	33.6	0.100		meq	12/18/2006 2:02:02 PM	
Soluble Calcium	28.7	1.00		meq	12/18/2006 2:02:02 PM	
Soluble Magnesium	33.8	1.00		meq	12/18/2006 2:02:02 PM	
Soluble Sodium	188	1.00		meq	12/18/2006 2:02:02 PM	
TPH BY GC/FID						SBH
						SW8015B
TPH (Diesel Range)	80.8	10.0		mg/Kg	11/16/2006 1:44:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/16/2006 1:44:00 PM	
TRUE TOTAL BARIUM						STS
						29B
True Total Barium	648	45.8		ppm	11/22/2006 2:54:42 AM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-44 **Collection Date:** 11/7/2006 10:16:00 A **Sample ID:** AB14 (6-8)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	28,800	M4500-CL B 2,000	H	mg/Kg-dry	12/6/2006 2:35:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	52.5	29B 0.500		mmhos/cm	11/27/2006 7:24:00 PM	MB
EXCHANGEABLE SODIUM PERCENTAGE Exchangeable Sodium %	63.1	29B 0.100		%	12/8/2006 7:41:00 PM	MB
PERCENT MOISTURE Percent Moisture	59.4	SW9071 # 0.0100		wt%	11/13/2006	AG
SODIUM ADSORPTION RATIO Sodium Adsorption Ratio	78.7	29B 0.100		meq	12/1/2006 2:28:53 PM	STS
Soluble Calcium	45.4	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	46.0	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	532	1.00		meq	12/1/2006 2:28:53 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-45 **Collection Date:** 11/7/2006 10:18:00 A **Sample ID:** AB14 (8-10)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	5.24	0.998		mg/Kg-dry	11/17/2006 11:53:10 PM	
Barium	178	0.998		mg/Kg-dry	11/17/2006 11:53:10 PM	
Cadmium	< 0.0998	0.0998		mg/Kg-dry	11/17/2006 11:53:10 PM	
Chromium	11.3	0.998		mg/Kg-dry	11/17/2006 11:53:10 PM	
Lead	13.1	0.499		mg/Kg-dry	11/17/2006 11:53:10 PM	
Strontium	137	9.98		mg/Kg-dry	11/28/2006 11:30:37 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	86.2	30-148		%REC	11/16/2006 1:51:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	35,000	2,000	H	mg/Kg-dry	12/6/2006 2:35:00 PM	
ELECTRICAL CONDUCTIVITY		29B				MB
Electrical Conductivity	50.5	0.500		mmhos/cm	11/27/2006 7:24:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE		29B				MB
Exchangeable Sodium %	40.6	0.100		%	12/8/2006 7:41:00 PM	
PERCENT MOISTURE		SW9071 #				AG
Percent Moisture	48.4	0.0100		wt%	11/13/2006	
SODIUM ADSORPTION RATIO		29B				STS
Sodium Adsorption Ratio	67.1	0.100		meq	12/1/2006 2:28:53 PM	
Soluble Calcium	41.6	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	38.0	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	424	1.00		meq	12/1/2006 2:28:53 PM	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/16/2006 1:51:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/16/2006 1:51:00 PM	
TRUE TOTAL BARIUM		29B				STS
True Total Barium	227	47.0		ppm	11/22/2006 2:58:56 AM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Date Received: 11/10/2006

Project: VPSB White Lake

Date Reported: 07-Mar-07

Lab ID: L06110510-46 **Collection Date:** 11/7/2006 10:20:00 A **Sample ID:** AB14 (10-12)

Matrix: SOIL **Tag Number:**

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	25,200	M4500-CL B 2,000	H	mg/Kg-dry	12/6/2006 2:35:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	54.5	29B 0.500		mmhos/cm	11/27/2006 8:11:00 PM	MB
EXCHANGEABLE SODIUM PERCENTAGE Exchangeable Sodium %	85.4	29B 0.100		%	12/8/2006 7:41:00 PM	MB
PERCENT MOISTURE Percent Moisture	44.1	SW9071 # 0.0100		wt%	11/13/2006	AG
SODIUM ADSORPTION RATIO Sodium Adsorption Ratio	70.2	29B 0.100		meq	12/1/2006 2:28:53 PM	STS
Soluble Calcium	57.4	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	58.9	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	535	1.00		meq	12/1/2006 2:28:53 PM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Date Received: 11/10/2006

Project: VPSB White Lake

Date Reported: 07-Mar-07

Lab ID: L06110510-47 **Collection Date:** 11/7/2006 10:25:00 A **Sample ID:** AB14 (12-14)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	14,200	M4500-CL B 2,000	H	mg/Kg-dry	12/6/2006 2:35:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	25.7	29B 0.100		mmhos/cm	11/27/2006 8:11:00 PM	MB
PERCENT MOISTURE Percent Moisture	33.6	SW9071 # 0.0100		wt%	11/13/2006	AG

Qualifiers:

+DO - Diluted out due to dilution

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds MCL or Permit Limitation

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

MI+ - Matrix Interference

H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Date Received: 11/10/2006

Project: VPSB White Lake

Date Reported: 07-Mar-07

Lab ID: L06110510-48 **Collection Date:** 11/7/2006 10:30:00 A **Sample ID:** AB14 (14-16)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	6,650	M4500-CL B 400	H	mg/Kg-dry	12/6/2006 2:35:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	12.8	29B 0.100		mmhos/cm	11/27/2006 8:11:00 PM	MB
PERCENT MOISTURE Percent Moisture	22.4	SW9071 # 0.0100		wt%	11/13/2006	AG

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-49 **Collection Date:** 11/7/2006 10:34:00 A **Sample ID:** AB14 (16-18)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	7,500	M4500-CL B 2,000		mg/Kg-dry	11/28/2006 2:30:00 PM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	25.4	29B 0.500		mmhos/cm	11/27/2006 8:11:00 PM	MB
PERCENT MOISTURE Percent Moisture	20.2	SW9071 # 0.0100		wt%	11/13/2006	AG

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110510

Project: VPSB White Lake

Date Received: 11/10/2006

Date Reported: 07-Mar-07

Lab ID: L06110510-50 **Collection Date:** 11/7/2006 10:40:00 A **Sample ID:** AB14 (24-26)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	3,650	M4500-CL B 400		mg/Kg-dry	11/28/2006 2:30:00 PM	AS
ELECTRICAL CONDUCTIVITY Electrical Conductivity	9.08	29B 0.100		mmhos/cm	11/27/2006 8:11:00 PM	MB
PERCENT MOISTURE Percent Moisture	19.2	SW9071 # 0.0100		wt%	11/13/2006	AG

Qualifiers:

+DO - Diluted out due to dilution

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds MCL or Permit Limitation

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

MI+ - Matrix Interference

H - Exceeds Holding Time

Sherry Laboratories/Louisiana

Date: 07-Mar-07

CLIENT: ICON Environmental Services
 Work Order: L06110510
 Project: VPSB White Lake

QC SUMMARY REPORT

Method Blank

Sample ID:	MBLK	Batch ID:	6580	Test Code:	SW6010B	Units:	mg/Kg-dry	Analysis Date:	11/17/2006 10:20:37 P	Prep Date:	
Client ID:		Run ID:	I2-OPTIMA_061117A <th>SeqNo:</th> <td>752015 <td></td> <td></td> <td></td> <td></td> <td></td> </td>	SeqNo:	752015 <td></td> <td></td> <td></td> <td></td> <td></td>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.010	0.010									
Barium	< 0.010	0.010									
Cadmium	< 0.0010	0.0010									
Chromium	< 0.010	0.010									
Lead	< 0.0050	0.0050									
Strontium	< 0.010	0.010									

Sample ID:	BLK 11-15 S	Batch ID:	6578	Test Code:	SW8015B	Units:	%	Analysis Date:	11/16/2006 11:28:00 A	Prep Date:	11/15/2006
Client ID:		Run ID:	G2_061116B <th>SeqNo:</th> <td>750832 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td>	SeqNo:	750832 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	459.4	0	500	0	93.9	30	148	0			

Sample ID:	MB-R50191	Batch ID:	R50191	Test Code:	M4500-Cl B	Units:	mg/Kg-dry	Analysis Date:	11/28/2006 2:30:00 PM	Prep Date:	
Client ID:		Run ID:	MAN1-WC_061128D <th>SeqNo:</th> <td>756030</td> <td></td> <td></td> <td></td> <td></td> <td></td>	SeqNo:	756030						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	< 4.0	4.0									

Sample ID:	MB-R50391	Batch ID:	R50391	Test Code:	M4500-Cl B	Units:	mg/Kg-dry	Analysis Date:	12/6/2006 11:20:00 AM	Prep Date:	
Client ID:		Run ID:	MAN1-WC_061206D <th>SeqNo:</th> <td>759608</td> <td></td> <td></td> <td></td> <td></td> <td></td>	SeqNo:	759608						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	< 4.0	4.0									

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

CLIENT: ICON Environmental Services
Work Order: L06110510
Project: VPSB White Lake

QC SUMMARY REPORT

Method Blank

Sample ID: MB-R50412 Batch ID: R50412 Test Code: M4500-Cl B Units: mg/Kg-dry Analysis Date 12/6/2006 1:30:00 PM Prep Date:
 Client ID: Run ID: LACHAT_061206A SeqNo: 759933
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Chlorides < 4.0 4.0

Sample ID: MB-R50414 Batch ID: R50414 Test Code: M4500-Cl B Units: mg/Kg-dry Analysis Date 12/6/2006 2:35:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061206H SeqNo: 759983
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Chlorides < 4.0 4.0

Sample ID: MB-R51041 Batch ID: R51041 Test Code: M4500-Cl B Units: mg/Kg-dry Analysis Date 12/29/2006 3:40:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061229C SeqNo: 774083
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Chlorides < 4.0 4.0

Sample ID: BLK 11-15 S Batch ID: 6578 Test Code: SW8015B Units: mg/Kg Analysis Date 11/16/2006 11:28:00 A Prep Date: 11/15/2006
 Client ID: Run ID: G2_061116B SeqNo: 750825
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 TPH (Diesel Range) < 10 10
 TPH (Oil Range) < 50 50

Sample ID: MBLK Batch ID: 6585 Test Code: 29B Units: ppm Analysis Date 11/22/2006 1:42:48 AM Prep Date:
 Client ID: Run ID: I2-OPTIMA_061121C SeqNo: 754192
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 True Total Barium < 50 50

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

Sherry Laboratories/Louisiana

Date: 07-Mar-07

CLIENT: ICON Environmental Services
 Work Order: L06110510
 Project: VPSB White Lake

QC SUMMARY REPORT

Sample Duplicate

Sample ID: L06110510-50ADU	Batch ID: R50191	Test Code: M4500-ClB	Units: mg/Kg-dry	Analysis Date: 11/28/2006 2:30:00 PM	Prep Date:
Client ID: AB14 (24-26)	Run ID: MAN1-WC_061128D	PQL	SPK value	SeqNo: 756051	
Analyte	Result	SPK Ref Val	SPK Ref Val	LowLimit	HighLimit
Chlorides	3600	400	0	0	0
		%REC	%RPD	RPD Ref Val	RPDLimit
		0	0	3650	1.38
		0	0	0	20

Sample ID: L06110547-12ADU	Batch ID: R50191	Test Code: M4500-ClB	Units: mg/Kg-dry	Analysis Date: 11/28/2006 2:30:00 PM	Prep Date:
Client ID:	Run ID: MAN1-WC_061128D	PQL	SPK value	SeqNo: 756052	
Analyte	Result	SPK Ref Val	SPK Ref Val	LowLimit	HighLimit
Chlorides	12000	2,000	0	0	0
		%REC	%RPD	RPD Ref Val	RPDLimit
		0	0	11750	2.11
		0	0	0	20

Sample ID: L06110510-04ADU	Batch ID: R50173	Test Code: 29B	Units: mmhos/cm	Analysis Date: 11/27/2006 7:06:00 PM	Prep Date:
Client ID: AB8 (12-14)	Run ID: M5-HG_061127A	PQL	SPK value	SeqNo: 755596	
Analyte	Result	SPK Ref Val	SPK Ref Val	LowLimit	HighLimit
Electrical Conductivity	2.12	0.10	0	0	0
		%REC	%RPD	RPD Ref Val	RPDLimit
		0	0	2.34	9.87
		0	0	0	20

Sample ID: L06110510-33ADU	Batch ID: R50174	Test Code: 29B	Units: mmhos/cm	Analysis Date: 11/27/2006 7:24:00 PM	Prep Date:
Client ID: AB12 (14-16)	Run ID: MAN1-WC_061127D	PQL	SPK value	SeqNo: 755619	
Analyte	Result	SPK Ref Val	SPK Ref Val	LowLimit	HighLimit
Electrical Conductivity	22.7	0.10	0	0	0
		%REC	%RPD	RPD Ref Val	RPDLimit
		0	0	22.5	0.885
		0	0	0	20

Sample ID: L06110623-04ADU	Batch ID: R50175	Test Code: 29B	Units: mmhos/cm	Analysis Date: 11/27/2006 8:11:00 PM	Prep Date:
Client ID:	Run ID: MAN1-WC_061127E	PQL	SPK value	SeqNo: 755728	
Analyte	Result	SPK Ref Val	SPK Ref Val	LowLimit	HighLimit
Electrical Conductivity	2.86	0.10	0	0	0
		%REC	%RPD	RPD Ref Val	RPDLimit
		0	0	3	4.78
		0	0	0	20

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

CLIENT: ICON Environmental Services
Work Order: L06110510
Project: VPSB White Lake

QC SUMMARY REPORT

Sample Duplicate

Sample ID: L06110510-50ADU Batch ID: R50175 Test Code: 29B Units: mmhos/cm Analysis Date 11/27/2006 8:11:00 PM Prep Date:
 Client ID: AB14 (24-26) Run ID: MAN1-WC_061127E SeqNo: 755729
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Electrical Conductivity 8.95 0.10 0 0 0 0 9.08 1.44 20

Sample ID: L06110597-01ADU Batch ID: R50175 Test Code: 29B Units: mmhos/cm Analysis Date 11/27/2006 8:11:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061127E SeqNo: 755730
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Electrical Conductivity 19.9 0.10 0 0 0 0 20.4 2.48 20

Sample ID: L06120185-04ADU Batch ID: R50533 Test Code: 29B Units: mmhos/cm Analysis Date 12/11/2006 10:40:00 A Prep Date:
 Client ID: Run ID: MAN1-WC_061211A SeqNo: 765572
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Electrical Conductivity 14.2 0.10 0 0 0 0 13 8.82 20

Sample ID: L06120080-02ADU Batch ID: R50533 Test Code: 29B Units: mmhos/cm Analysis Date 12/11/2006 10:40:00 A Prep Date:
 Client ID: Run ID: MAN1-WC_061211A SeqNo: 765573
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Electrical Conductivity 9.59 0.10 0 0 0 0 10.6 10 20

Sample ID: L06110745-01ADU Batch ID: R50507 Test Code: 29B Units: % Analysis Date 12/8/2006 7:41:00 PM Prep Date:
 Client ID: Run ID: AA2_061208A SeqNo: 764956
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Exchangeable Sodium % 6.14 0.10 0 0 0 0 6.26 1.94 20

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

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

B - Analyte detected in the associated Method Blank
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CLIENT: ICON Environmental Services
Work Order: L06110510
Project: VPSB White Lake

QC SUMMARY REPORT

Sample Duplicate

Sample ID: L06110744-20ADU	Batch ID: R50507	Test Code: 29B	Units: %	Analysis Date 12/18/2006 7:41:00 PM	Prep Date:						
Client ID:	Run ID: AA2_061208A	SeqNo: 764957									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Exchangeable Sodium %	29.93	0.10	0	0	0	0	0	26.21	13.3	20	
<hr/>											
Sample ID: L06110597-01ADU	Batch ID: R50507	Test Code: 29B	Units: %	Analysis Date 12/18/2006 7:41:00 PM	Prep Date:						
Client ID:	Run ID: AA2_061208A	SeqNo: 764958									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Exchangeable Sodium %	34.98	0.10	0	0	0	0	0	29.76	16.1	20	
<hr/>											
Sample ID: L06110911-09ADU	Batch ID: R50728	Test Code: 29B	Units: %	Analysis Date 12/13/2006 6:02:00 PM	Prep Date:						
Client ID:	Run ID: AA2_061213A	SeqNo: 769277									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Exchangeable Sodium %	59	0.10	0	0	0	0	0	56.9	3.62	20	
<hr/>											
Sample ID: L06110748-12ADU	Batch ID: R50728	Test Code: 29B	Units: %	Analysis Date 12/13/2006 6:02:00 PM	Prep Date:						
Client ID:	Run ID: AA2_061213A	SeqNo: 769333									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Exchangeable Sodium %	2.64	0.10	0	0	0	0	0	2.26	15.5	20	
<hr/>											
Sample ID: L06110510-04ADU	Batch ID: R49994	Test Code: SW9071 #	Units: wt%	Analysis Date 11/13/2006	Prep Date:						
Client ID: AB8 (12-14)	Run ID: MAN1-WC_061113H	SeqNo: 751921									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	21.7	0.010	0	0	0	0	0	21.4	1.39	20	

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

CLIENT: ICON Environmental Services
Work Order: L06110510
Project: VPSB White Lake

QC SUMMARY REPORT

Sample Duplicate

Sample ID: L06110510-33ADU Batch ID: R49994 Test Code: SW9071 # Units: wt% Analysis Date 11/13/2006 Prep Date:
 Client ID: AB12 (14-16) Run ID: MAN1-WC_061113H SeqNo: 751922

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	46.6	0.010	0	0	0	0	0	26.6	54.6	20	R

Sample ID: L06110510-50ADU Batch ID: R50375 Test Code: SW9071 # Units: wt% Analysis Date 11/13/2006 Prep Date:
 Client ID: AB14 (24-26) Run ID: MAN1-WC_061113J SeqNo: 759319

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	18.8	0.010	0	0	0	0	0	19.2	2.11	20	

Sample ID: L06110511-06ADU Batch ID: R50375 Test Code: SW9071 # Units: wt% Analysis Date 11/13/2006 Prep Date:
 Client ID: Run ID: MAN1-WC_061113J SeqNo: 759320

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	20.9	0.010	0	0	0	0	0	20.3	2.91	20	

Sample ID: L06110511-30ADU Batch ID: R50375 Test Code: SW9071 # Units: wt% Analysis Date 11/13/2006 Prep Date:
 Client ID: Run ID: MAN1-WC_061113J SeqNo: 759321

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	41.5	0.010	0	0	0	0	0	38.1	8.54	20	

Sample ID: L06110739-01ADU Batch ID: R50521 Test Code: 29B Units: meq Analysis Date 12/1/2006 2:28:53 PM Prep Date:
 Client ID: Run ID: I2-OPTIMA_061201B SeqNo: 767780

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium Adsorption Ratio	1.57	0.10	0	0	0	0	0	1.57	0	20	
Soluble Calcium	11.38	1.0	0	0	0	0	0	11.72	2.94	20	
Soluble Magnesium	2.44	1.0	0	0	0	0	0	2.43	0.411	20	
Soluble Sodium	4.13	1.0	0	0	0	0	0	4.17	0.964	20	

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

CLIENT: ICON Environmental Services
 Work Order: L06110510
 Project: VPSB White Lake

QC SUMMARY REPORT

Sample Duplicate

Sample ID: L06110598-10ADU	Batch ID: R50521	Test Code: 29B	Units: meq	Analysis Date 12/1/2006 2:28:53 PM	Prep Date:						
Client ID:	Run ID: I2-OPTIMA_061201B	SeqNo: 770409									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium Adsorption Ratio	4.29	0.10	0	0	0	0	0	4.33	0.928	20	
Soluble Calcium	9.8	1.0	0	0	0	0	0	9.52	2.9	20	
Soluble Magnesium	3.68	1.0	0	0	0	0	0	3.64	1.09	20	
Soluble Sodium	11.12	1.0	0	0	0	0	0	11.11	0.09	20	

Sample ID: L06110598-35ADU	Batch ID: R50521	Test Code: 29B	Units: meq	Analysis Date 12/1/2006 2:28:53 PM	Prep Date:						
Client ID:	Run ID: I2-OPTIMA_061201B	SeqNo: 770625									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium Adsorption Ratio	48.07	0.10	0	0	0	0	0	42.4	12.5	20	
Soluble Calcium	13.88	1.0	0	0	0	0	0	18.13	26.6	20	R
Soluble Magnesium	7.01	1.0	0	0	0	0	0	8.81	22.8	20	R
Soluble Sodium	155.3	1.0	0	0	0	0	0	155.6	0.167	20	

Sample ID: L06110695-16ADU	Batch ID: R50521	Test Code: 29B	Units: meq	Analysis Date 12/1/2006 2:28:53 PM	Prep Date:						
Client ID:	Run ID: I2-OPTIMA_061201B	SeqNo: 770636									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium Adsorption Ratio	70.09	0.10	0	0	0	0	0	71.95	2.62	20	
Soluble Calcium	44.9	1.0	0	0	0	0	0	38.08	16.4	20	
Soluble Magnesium	12.48	1.0	0	0	0	0	0	10.66	15.7	20	
Soluble Sodium	375.4	1.0	0	0	0	0	0	355.2	5.54	20	

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

CLIENT: ICON Environmental Services
Work Order: L06110510
Project: VPSB White Lake

QC SUMMARY REPORT

Sample Duplicate

Sample ID: L06110695-29ADU **Batch ID:** R50521 **Test Code:** 29B **Units:** meq **Analysis Date:** 12/1/2006 2:28:53 PM **Prep Date:**
Client ID: **Run ID:** I2-OPTIMA_061201B **SeqNo:** 770637

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium Adsorption Ratio	1.56	0.10	0	0	0	0	0	1.56	0	20	
Soluble Calcium	14.87	1.0	0	0	0	0	0	15.14	1.8	20	
Soluble Magnesium	5.37	1.0	0	0	0	0	0	5.41	0.742	20	
Soluble Sodium	4.97	1.0	0	0	0	0	0	5	0.602	20	

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

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

 B - Analyte detected in the associated Method Blank
 8

Sherry Laboratories/Louisiana

Date: 07-Mar-07

CLIENT: ICON Environmental Services
 Work Order: L06110510
 Project: VPSB White Lake

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: L06110510-45AMS	Batch ID: 6580	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/17/2006 11:57:23 P	Prep Date: 11/15/2006						
Client ID: AB14 (8-10)	Run ID: I2-OPTIMA_061117A	PQL	SPK value	SPK Ref Val	SeqNo: 752033						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	57.16	1.0	49.86	5.245	104	75	125	0			
Barium	228.8	1.0	49.86	178	102	75	125	0			
Cadmium	51.4	0.10	49.86	0	103	75	125	0			
Chromium	61.99	1.0	49.86	11.28	102	75	125	0			
Lead	62.62	0.50	49.86	13.15	99.2	75	125	0			

Sample ID: L06110510-45AMS	Batch ID: 6580	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/18/2006 12:01:40 A	Prep Date: 11/15/2006						
Client ID: AB14 (8-10)	Run ID: I2-OPTIMA_061117A	PQL	SPK value	SPK Ref Val	SeqNo: 752034						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	58.11	1.0	49.92	5.245	106	75	125	57.16	1.66	20	
Barium	234.4	1.0	49.92	178	113	75	125	228.8	2.43	20	
Cadmium	53.01	0.10	49.92	0	106	75	125	51.4	3.09	20	
Chromium	63.58	1.0	49.92	11.28	105	75	125	61.99	2.53	20	
Lead	65.22	0.50	49.92	13.15	104	75	125	62.62	4.08	20	

Sample ID: L06110510-45AMS	Batch ID: 6580	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/28/2006 11:34:50 P	Prep Date: 11/15/2006						
Client ID: AB14 (8-10)	Run ID: I2-OPTIMA_061128A	PQL	SPK value	SPK Ref Val	SeqNo: 756269						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Strontium	197	10	49.86	137.4	120	75	125	0			

Sample ID: L06110510-45AMS	Batch ID: 6580	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/28/2006 11:39:05 P	Prep Date: 11/15/2006						
Client ID: AB14 (8-10)	Run ID: I2-OPTIMA_061128A	PQL	SPK value	SPK Ref Val	SeqNo: 756270						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Strontium	215.7	10	49.92	137.4	157	75	125	197	9.09	20	S

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

QC SUMMARY REPORT

Sample Matrix Spike

CLIENT: ICON Environmental Services
Work Order: L06110510
Project: VPSB White Lake

Sample ID: L06110510-05AMS Batch ID: 6578 Test Code: SW8015B Units: % Analysis Date 11/16/2006 10:43:00 A Prep Date: 11/15/2006
 Client ID: AB8 (14-16) Run ID: G2_061116B SeqNo: 750759

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	471.4	0	500	0	94.3	30	148	0			

Sample ID: L06110510-05AMS Batch ID: 6578 Test Code: SW8015B Units: % Analysis Date 11/16/2006 10:49:00 A Prep Date: 11/15/2006
 Client ID: AB8 (14-16) Run ID: G2_061116B SeqNo: 750760

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	459.3	0	500	0	91.9	30	148	0			

Sample ID: L06110510-05AMS Batch ID: 6578 Test Code: SW8015B Units: % Analysis Date 11/16/2006 11:09:00 A Prep Date: 11/15/2006
 Client ID: AB8 (14-16) Run ID: G2_061116B SeqNo: 750763

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	477.1	0	500	0	95.4	30	148	0			

Sample ID: L06110510-05AMS Batch ID: 6578 Test Code: SW8015B Units: % Analysis Date 11/16/2006 11:15:00 A Prep Date: 11/15/2006
 Client ID: AB8 (14-16) Run ID: G2_061116B SeqNo: 750764

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	485	0	500	0	97	30	148	0			

Sample ID: L06110547-17AMS Batch ID: R50191 Test Code: M4500-C1B Units: mg/Kg-dry Analysis Date 11/28/2006 2:30:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061128D SeqNo: 756053

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	6500	400	5263	1800	89.3	80	120	0			

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

CLIENT: ICON Environmental Services
Work Order: L06110510
Project: VPSB White Lake

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID: L06110547-17AMS Batch ID: R50191 Test Code: M4500-Cl B Units: mg/Kg-dry Analysis Date 11/28/2006 2:30:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061128D SeqNo: 756054
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Chlorides 6550 400 5263 1800 90.3 80 120 6500 0.766 20

Sample ID: L06110375-23AMS Batch ID: R50391 Test Code: M4500-Cl B Units: mg/Kg-dry Analysis Date 12/6/2006 11:20:00 AM Prep Date:
 Client ID: Run ID: MAN1-WC_061206D SeqNo: 759631
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Chlorides 7050 400 5263 2300 90.3 80 120 0 H

Sample ID: L06110375-23AMS Batch ID: R50391 Test Code: M4500-Cl B Units: mg/Kg-dry Analysis Date 12/6/2006 11:20:00 AM Prep Date:
 Client ID: Run ID: MAN1-WC_061206D SeqNo: 759632
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Chlorides 7150 400 5263 2300 92.2 80 120 7050 1.41 20 H

Sample ID: L06110510-09AMS Batch ID: R50412 Test Code: M4500-Cl B Units: mg/Kg-dry Analysis Date 12/6/2006 1:30:00 PM Prep Date:
 Client ID: AB9 (6-8) Run ID: LACHAT_061206A SeqNo: 759956
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Chlorides 7000 400 5263 2100 93.1 80 120 0 H

Sample ID: L06110510-09AMS Batch ID: R50412 Test Code: M4500-Cl B Units: mg/Kg-dry Analysis Date 12/6/2006 1:30:00 PM Prep Date:
 Client ID: AB9 (6-8) Run ID: LACHAT_061206A SeqNo: 759957
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Chlorides 6800 400 5263 2100 89.3 80 120 7000 2.9 20 H

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

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

B - Analyte detected in the associated Method Blank

CLIENT: ICON Environmental Services
Work Order: L06110510
Project: VPSB White Lake

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: L06110510-37AMS Batch ID: R50414 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 12/6/2006 2:35:00 PM Prep Date:
 Client ID: AB13 (8-10) Run ID: MAN1-WC_061206H SeqNo: 760018

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	7300	400	5263	2750	86.5	80	120	0			H

Sample ID: L06110510-37AMS Batch ID: R50414 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 12/6/2006 2:35:00 PM Prep Date:
 Client ID: AB13 (8-10) Run ID: MAN1-WC_061206H SeqNo: 760019

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	7500	400	5263	2750	90.3	80	120	7300	2.7	20	H

Sample ID: L06120185-02AMS Batch ID: R51041 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 12/29/2006 3:40:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061229C SeqNo: 774101

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	41750	2,000	26320	18750	87.4	80	120	0			

Sample ID: L06120185-02AMS Batch ID: R51041 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 12/29/2006 3:40:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061229C SeqNo: 774102

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	41000	2,000	26320	18750	84.6	80	120	41750	1.81	20	

Sample ID: L06110510-05AMS Batch ID: 6578 Test Code: SW8015B Units: mg/Kg Analysis Date 11/16/2006 10:43:00 A Prep Date: 11/15/2006
 Client ID: AB8 (14-16) Run ID: G2_061116B SeqNo: 750731

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	94.47	10	100	0	94.5	43.2	135	0			

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

CLIENT: ICON Environmental Services
Work Order: L06110510
Project: VPSB White Lake

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID: L06110510-05AMS Batch ID: 6578 Test Code: SW8015B Units: mg/Kg Analysis Date 11/16/2006 10:49:00 A Prep Date: 11/15/2006
 Client ID: AB8 (14-16) Run ID: G2_061116B SeqNo: 750732

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	89.52	10	100	0	89.5	43.2	135	94.47	5.38	40	

Sample ID: L06110510-05AMS Batch ID: 6578 Test Code: SW8015B Units: mg/Kg Analysis Date 11/16/2006 11:09:00 A Prep Date: 11/15/2006
 Client ID: AB8 (14-16) Run ID: G2_061116B SeqNo: 750735

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	84	50	100	0	84	43.2	135	0			

Sample ID: L06110510-45AMS Batch ID: 6578 Test Code: SW8015B Units: mg/Kg Analysis Date 11/16/2006 11:15:00 A Prep Date: 11/15/2006
 Client ID: AB8 (14-16) Run ID: G2_061116B SeqNo: 750736

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	87.71	50	100	0	87.7	43.2	135	84	4.33	40	

Sample ID: L06110510-45AMS Batch ID: 6585 Test Code: 29B Units: ppm Analysis Date 11/22/2006 3:03:08 AM Prep Date: 11/15/2006
 Client ID: AB14 (8-10) Run ID: I2-OPTIMA_061121C SeqNo: 754209

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
True Total Barium	10170	47	9443	227.4	105	75	125	0			

Sample ID: L06110510-45AMS Batch ID: 6585 Test Code: 29B Units: ppm Analysis Date 11/22/2006 3:07:20 AM Prep Date: 11/15/2006
 Client ID: AB14 (8-10) Run ID: I2-OPTIMA_061121C SeqNo: 754210

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
True Total Barium	10520	47	9390	227.4	110	75	125	10170	3.43	20	

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

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

B - Analyte detected in the associated Method Blank
 / 3

Sherry Laboratories/Louisiana

Date: 07-Mar-07

CLIENT: ICON Environmental Services
 Work Order: L06110510
 Project: VPSB White Lake

QC SUMMARY REPORT
 Laboratory Control Spike - generic

Sample ID: LCS LOT # 06D28 Batch ID: 6580
 Client ID:

Test Code: SW6010B Units: mg/Kg-dry
 Run ID: I2-OPTIMA_061117A

Analysis Date 11/17/2006 10:28:59 P
 SeqNo: 752017

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	52.52	1.0	50	0	105	75	125	0			
Barium	50.67	1.0	50	0	101	75	125	0			
Cadmium	51.24	0.10	50	0	102	75	125	0			
Chromium	49.37	1.0	50	0	98.7	75	125	0			
Lead	50.87	0.50	50	0	102	75	125	0			
Strontium	49.44	1.0	50	0	98.9	75	125	0			

Sample ID: LCS LOT # 06D2 Batch ID: 6580
 Client ID:

Test Code: SW6010B Units: mg/Kg-dry
 Run ID: I2-OPTIMA_061117A

Analysis Date 11/17/2006 10:33:36 P
 SeqNo: 752018

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	53.09	1.0	50	0	106	75	125	52.52	1.08	20	
Barium	51.25	1.0	50	0	102	75	125	50.67	1.13	20	
Cadmium	51.68	0.10	50	0	103	75	125	51.24	0.861	20	
Chromium	49.79	1.0	50	0	99.6	75	125	49.37	0.84	20	
Lead	51.22	0.50	50	0	102	75	125	50.87	0.691	20	
Strontium	49.62	1.0	50	0	99.2	75	125	49.44	0.36	20	

Sample ID: LCS-D 11-15 S Batch ID: 6578
 Client ID:

Test Code: SW8015B Units: %
 Run ID: G2_061116B

Analysis Date 11/16/2006 10:30:00 A
 SeqNo: 750757

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	482.3	0	500	0	96.5	30	148	0			

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

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

B - Analyte detected in the associated Method Blank
 / 4

CLIENT: ICON Environmental Services
Work Order: L06110510
Project: VPSB White Lake

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID: **LCS-D 11-151 S** Batch ID: **6578** Test Code: **SW8015B** Units: % Analysis Date **11/16/2006 10:37:00 A** Prep Date: **11/15/2006**
 Client ID: Run ID: **G2_061116B** SeqNo: **750758**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	481.3	0	500	0	96.3	30	148	0			

Sample ID: **LCS-MO 11-15 S** Batch ID: **6578** Test Code: **SW8015B** Units: % Analysis Date **11/16/2006 10:56:00 A** Prep Date: **11/15/2006**
 Client ID: Run ID: **G2_061116B** SeqNo: **750761**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	516.9	0	500	0	103	30	148	0			

Sample ID: **LCS-D 11-15 S** Batch ID: **6578** Test Code: **SW8015B** Units: % Analysis Date **11/16/2006 11:02:00 A** Prep Date: **11/15/2006**
 Client ID: Run ID: **G2_061116B** SeqNo: **750762**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	485.9	0	500	0	97.2	30	148	0			

Sample ID: **LCS-R50191** Batch ID: **R50191** Test Code: **M4500-CI B** Units: **mg/Kg-dry** Analysis Date **11/28/2006 2:30:00 PM** Prep Date:
 Client ID: Run ID: **MAN1-WC_061128D** SeqNo: **756031**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	890	4.0	1000	0	89	80	120	0			

Sample ID: **LCS-R50191DUP** Batch ID: **R50191** Test Code: **M4500-CI B** Units: **mg/Kg-dry** Analysis Date **11/28/2006 2:30:00 PM** Prep Date:
 Client ID: Run ID: **MAN1-WC_061128D** SeqNo: **756050**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	900	4.0	1000	0	90	80	120	890	1.12	20	

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

CLIENT: ICON Environmental Services
Work Order: L06110510
Project: VPSB White Lake

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS-R50391 Batch ID: R50391 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 12/6/2006 11:20:00 AM Prep Date:
 Client ID: Run ID: MAN1-WC_061206D SeqNo: 759609

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	960	4.0	1000	1.7	95.8	80	120	0			

Sample ID: LCSD Batch ID: R50391 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 12/6/2006 11:20:00 AM Prep Date:
 Client ID: Run ID: MAN1-WC_061206D SeqNo: 759630

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	930	4.0	1000	0	93	80	120	960	3.17	20	

Sample ID: LCS-R50412 Batch ID: R50412 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 12/6/2006 1:30:00 PM Prep Date:
 Client ID: Run ID: LACHAT_061206A SeqNo: 759934

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	970	4.0	1000	0	97	80	120	0			

Sample ID: LCSD Batch ID: R50412 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 12/6/2006 1:30:00 PM Prep Date:
 Client ID: Run ID: LACHAT_061206A SeqNo: 759955

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	980	4.0	1000	0	98	80	120	970	1.03	20	

Sample ID: LCSD Batch ID: R50414 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 12/6/2006 2:35:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061206H SeqNo: 760016

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	990	4.0	1000	0	99	80	120	0	200	20	R

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

CLIENT: ICON Environmental Services
Work Order: L06110510
Project: VPSB White Lake

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS-R50414 Batch ID: R50414 Test Code: M4500-Cl B Units: mg/Kg-dry Analysis Date 12/6/2006 2:35:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061206H SeqNo: 760020

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	990	4.0	1000	0	99	80	120	0			

Sample ID: LCS-R51041 Batch ID: R51041 Test Code: M4500-Cl B Units: mg/Kg-dry Analysis Date 12/29/2006 3:40:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061229C SeqNo: 774084

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	1000	4.0	1000	0	100	80	120	0			

Sample ID: LCS-R50173 Batch ID: R50173 Test Code: M4500-Cl B Units: mg/Kg-dry Analysis Date 12/29/2006 3:40:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061229C SeqNo: 774100

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	1030	4.0	1000	0	103	80	120	1000	2.96	20	

Sample ID: LCS-R50173 Batch ID: R50173 Test Code: 29B Units: mmhos/cm Analysis Date 11/27/2006 7:06:00 PM Prep Date:
 Client ID: Run ID: M5-HG_061127A SeqNo: 755574

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	0.466	0.10	0.451	0	103	80	120	0			

Sample ID: LCS-R50174 Batch ID: R50174 Test Code: 29B Units: mmhos/cm Analysis Date 11/27/2006 7:24:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061127D SeqNo: 755597

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	0.46	0.10	0.451	0	102	80	120	0			

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

CLIENT: ICON Environmental Services
Work Order: L06110510
Project: VPSB White Lake

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS-R50175 Batch ID: R50175 Test Code: 29B Units: mmhos/cm Analysis Date 11/27/2006 8:11:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061127E SeqNo: 755620

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	0.449	0.10	0.451	0	99.6	80	120	0			

Sample ID: LCS-R50533 Batch ID: R50533 Test Code: 29B Units: mmhos/cm Analysis Date 12/11/2006 10:40:00 A Prep Date:
 Client ID: Run ID: MAN1-WC_061211A SeqNo: 765540

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	444	0.10	451	0	98.4	80	120	0			

Sample ID: LCS-D 11-15 S Batch ID: 6578 Test Code: SW8015B Units: mg/Kg Analysis Date 11/16/2006 10:30:00 A Prep Date: 11/15/2006
 Client ID: Run ID: G2_061116B SeqNo: 750729

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	93.34	10	100	0	93.3	43.2	135	0			

Sample ID: LCS-D 11-15 S Batch ID: 6578 Test Code: SW8015B Units: mg/Kg Analysis Date 11/16/2006 10:37:00 A Prep Date: 11/15/2006
 Client ID: Run ID: G2_061116B SeqNo: 750730

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	94.27	10	100	0	94.3	43.2	135	93.34	0.997	40	

Sample ID: LCS-MO 11-15 S Batch ID: 6578 Test Code: SW8015B Units: mg/Kg Analysis Date 11/16/2006 10:56:00 A Prep Date: 11/15/2006
 Client ID: Run ID: G2_061116B SeqNo: 750733

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	101.8	50	100	0	102	43.2	135	0			

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

CLIENT: ICON Environmental Services
Work Order: L06110510
Project: VPSB White Lake

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID: LCS-D-MO 11-15 S Batch ID: 6578 Test Code: SW8015B Units: mg/Kg Analysis Date 11/16/2006 11:02:00 A Prep Date: 11/15/2006
 Client ID: Run ID: G2_061116B SeqNo: 750734

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	84.17	50	100	0	84.2	43.2	135	101.8	19	40	

Sample ID: LCS LOT # Y-BA0 Batch ID: 6585 Test Code: 29B Units: ppm Analysis Date 11/22/2006 1:47:00 AM Prep Date:
 Client ID: Run ID: I2-OPTIMA_061121C SeqNo: 754193

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
True Total Barium	1.067	50	1	0	107	75	125	0			J

Sample ID: LCS LOT # Y-BA Batch ID: 6585 Test Code: 29B Units: ppm Analysis Date 11/22/2006 1:51:12 AM Prep Date:
 Client ID: Run ID: I2-OPTIMA_061121C SeqNo: 754194

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
True Total Barium	1.067	50	1	0	107	75	125	1.067	0	20	J

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

Sherry Laboratories - Chain of Custody Record

Laboratory Number: **LD06110510**

Page 1 of 10

Client Information:
 I CON ENVIRONMENTAL
 GREG MILLER
 1055 CONVENTION ST.
 2nd Floor
 BATON ROUGE, LA 70802
 225-344-8490 Ext:
 225-344-6654

Billing Information:
 PO Number:
 Quote Number:
 Required QC Level
 Bill Monthly
 Yes
 No

Project Name/Number:
 VPSB - WHITE LAKE
 9077-041-0800

Matrix Code:
 DW = Drinking Water
 WW = Waste Water
 GW = Ground Water
 AQ = Aqueous
 SL = Sludge
 O = Oil
 F = Food
 NG = Natural Gas
 NGL = Natural Gas Liquid
 PW = Produced Water
 CF = Completion Fluid

Other:
 OT = Other
 SOL = Solid
 SO = Soil
 SW = Swab
 UPS / FedEx / Airborne
 DHL Sherry Hand / Mail

Shipping Method:
 UPS / FedEx / Airborne
 DHL Sherry Hand / Mail

Sampler's Signature:

Sample ID/Description	Which Regulations Apply: <input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input type="checkbox"/> NPDES <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC	Turn Time <input type="checkbox"/> Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	(Rush turn times will incur a surcharge and must be pre-approved by lab.)	Collection Information		Matrix	Quantity	Container Type P=Plastic, G=Glass, V=Vial	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ SO ₄	Requested Tests					Comments		
				Date						EC	% Moisture	SAR	ESP	TPH-Pb		Metals	Chlorides (TSP)
				Date	Time												
1 B8 (6-8)	<input type="checkbox"/> Drinking Water <input type="checkbox"/> Distribution <input type="checkbox"/> Special <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other		11/6/06	0946	So	1	G	None	X	X	X	X	X	X	METALS As, Ba, Cd, Cr, Pb, Sr HOW FOR CL- LEAKAGE PENDING RESULTS OF EC THIS PERTAINS TO ALL 98 SAMPLES FROM THESE 10 CHAINS	
2 B8 (8-10)		<input type="checkbox"/> Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other		11/6/06	0950	So	1	G	None	X	X	X	X	X	X		
3 B8 (10-12)		<input type="checkbox"/> Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other		11/6/06	0955	So	1	G	None	X	X	X	X	X	X		
4 B8 (12-14)		<input type="checkbox"/> Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other		11/6/06	0959	So	1	G	None	X	X	X	X	X	X		
5 B8 (14-16)		<input type="checkbox"/> Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other		11/6/06	1006	So	1	G	None	X	X	X	X	X	X		
6 B8 (16-18)		<input type="checkbox"/> Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other		11/6/06	1011	So	1	G	None	X	X	X	X	X	X		
7 B8 (18-20)		<input type="checkbox"/> Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other		11/6/06	1018	So	1	G	None	X	X	X	X	X	X		
8 B8 (20-22)		<input type="checkbox"/> Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other		11/6/06	1027	So	1	G	None	X	X	X	X	X	X		
9 B9 (6-8)		<input type="checkbox"/> Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other		11/6/06	1105	So	1	G	None	X	X	X	X	X	X		
10 B9 (8-10)		<input type="checkbox"/> Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other		11/6/06	1108	So	1	G	None	X	X	X	X	X	X		

Relinquished by:

Date/Time: 11-10-06 / 1325

Received by:

Date/Time: 11-10-06 / 1310

Field Notes:
 Received at lab on ice?
 Yes No Temp:

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

9301 Innovation Drive
 Suite 125
 Daleville, IN 47534
 765-378-4103
 Fax: 765-378-4109

629 Washington St.
 Suite 300
 Columbus, IN 47201
 812-375-0531
 Fax: 812-375-0731

5738 Industrial Rd.
 Fort Wayne, IN 46825
 260-471-7000
 Fax: 260-471-7777

2417 W. Pinhook Rd
 Lafayette, LA 70508
 337-235-0483
 Fax: 337-233-6540

2129 Willow Street
 Scott, LA 70583
 337-232-3568
 Fax: 337-232-3621

9/05

Sherry Laboratories - Chain of Custody Record

Laboratory Number: **LO610510**

Client Information:		Billing Information:	
Company Name: ICON ENVIRONMENTAL		PO Number:	
Contact Name: GREG MILLER		Quote Number:	
Address: 1055 Courthouse ST 2nd Floor		Required QC Level:	
City, State Zip: Baton Rouge LA 70802		Bill Monthly: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Phone Number: 225-344-8490 Ext:		Shipping Method: UPS / FedEx / Airborne	
Fax Number: 225-344-6657		DHL / Sherry Hand / Mail	
E-mail Address:		Sampler's Signature: <i>[Signature]</i>	
		Project Name/Number: VPSB - WHITE LAKE	
		Matrix Code: 9077-041-0800	

Page **2** of **10**

Matrix Code
 DW = Drinking Water
 WW = Waste Water
 GW = Ground Water
 AQ = Aqueous
 SL = Sludge
 O = Oil
 F = Food
 NG = Natural Gas
 NGL = Natural Gas Liquid
 PW = Produced Water
 CF = Completion Fluid

Sample ID/Description	Which Regulations Apply: <input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input type="checkbox"/> NPDES <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC	Turn Time <input type="checkbox"/> Standard <input type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	Collection Information		Rush turn times will incur a surcharge and must be pre-approved by lab.)	Quantity	Container Type P=Plastic, G=Glass, V=Vial	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₈	Requested Tests					Comments				
			Date	Time					Grab/Composite	Matrix	FC	% Moisture	SR		ESP	TPH-D/O	Metals	Chlorides (450)
B9 (10-12)			11/6/06	11:11	G	So	1	G	NONE	X	X	X	X	X	X			
B9 (12-14)			11/6/06	11:15	G	So	1	G	NONE	X	X	X	X	X	X			
B9 (16-18)			11/6/06	11:26	G	So	1	G	NONE	X	X	X	X	X	X			
B9 (18-20)			11/6/06	11:28	G	So	1	G	NONE	X	X	X	X	X	X			
B9 (22-24)			11/6/06	11:30	G	So	1	G	NONE	X	X	X	X	X	X			
B10 (4-6)			11/6/06	14:40	G	So	1	G	NONE	X	X	X	X	X	X			
B10 (8-10)			11/6/06	14:42	G	So	1	G	NONE	X	X	X	X	X	X			
B10 (10-12)			11/6/06	14:45	G	So	1	G	NONE	X	X	X	X	X	X			
B10 (12-14)			11/6/06	14:50	G	So	1	G	NONE	X	X	X	X	X	X			
B10 (14-16)			11/6/06	14:56	G	So	1	G	NONE	X	X	X	X	X	X			

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
<i>[Signature]</i>		<i>[Signature]</i>	11-10-06/1325	Received at lab on ice?
<i>[Signature]</i>	11-10-04/1210	<i>[Signature]</i>	11-10-06/1510	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Temp:

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

9301 Innovation Drive
 Suite 125
 Daleville, IN 47334
 765-378-4103
 Fax: 765-378-4109

629 Washington St.
 Suite 300
 Columbus, IN 47201
 812-375-0531
 Fax: 812-375-0731

2417 W. Pinhook Rd
 Lafayette, LA 70508
 337-235-0483
 Fax: 337-233-6540

2129 Willow Street
 Scott, LA 70583
 337-232-3568
 Fax: 337-232-3621

Sherry Laboratories - Chain of Custody Record

Laboratory Number: 206110510

Page 3 of 10

Client Information:
 I/OA Environmental
 GREG MILLER
 1055 COMBINATION ST.
 2nd Floor
 Baton Rouge, LA 70802
 225-344-8490 Ext:
 225-344-6634

Billing Information:
 PO Number:
 Quote Number:
 Required QC Level:
 Bill Monthly
 Yes
 No

Project Name/Number:
 VPSB - WHITE LAKE
 9077-041-0900

Sampler's Signature:

Shipping Method:
 UPS / FedEx / Airborne
 DHL / ~~Sherry~~ Hand / Mail

Matrix Code:
 DW = Drinking Water
 WW = Waste Water
 GW = Ground Water
 AQ = Aqueous
 SL = Sludge
 O = Oil
 F = Food
 NG = Natural Gas
 NGL = Natural Gas Liquid
 PW = Produced Water
 CF = Completion Fluid
 OT = Other
 SO = Soil
 SW = Swab

Sample ID/Description	Which Regulations Apply: <input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input type="checkbox"/> NPDES <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC	Turn Time <input type="checkbox"/> Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	(Rush turn times will incur a surcharge and must be pre-approved by lab.)	Collection Information		Container Type P=Plastic, G=Glass, V=Vial	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ SO ₃	Requested Tests				Comments													
				Date				Quantity	EC	% Moisture	SAR		FSP	TPH-D/O	Metals	Chlorides (S&B)									
				Date	Time												Grab/Composite	Matrix							
21 B10 (18-20)				11/6/06	1507	G	So	1																	
22 B10 (20-22)				11/6/06	1514	G	So	1																	
23 B11 (4-6)				11/6/06	15:30	G	So	1																	
24 B11 (6-8)				11/6/06	1534	G	So	1																	
25 B11 (10-12)				11/6/06	1543	G	So	1																	
26 B11 (12-14)				11/6/06	1547	G	So	1																	
27 B11 (14-16)				11/6/06	1553	G	So	1																	
28 B11 (16-18)				11/6/06	1559	G	So	1																	
29 B11 (18-20)				11/6/06	1604	G	So	1																	
30 B12 (6-8)				11/7/06	0814	G	So	1																	

Relinquished by:

Date/Time: 11-10-06 1510

Received by:

Date/Time: 11-10-06/1325

Field Notes: Received at lab on ice? Yes No Temp: Yes No

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

Sherry Laboratories - Chain of Custody Record

Laboratory Number: **LD6110510**

Company Name: **LOW ENVIRO NMENTAL**
 Contact Name: **GREG MILLER**
 Address: **1055 CONVENT ROAD ST. 2nd Floor**
 City, State Zip: **BATON ROUGE, LA 70802**
 Phone Number: **225-344-8490** Ext:
 Fax Number: **225-344-6694**
 E-mail Address:

Client Information: **LOW ENVIRO NMENTAL**
 Billing Information: **GREG MILLER**
 PO Number: **9077-041-0800**
 Quote Number:
 Required QC Level:
 Bill Monthly: Yes No
 Ext:
 Shipping Method: **UPS / FedEx / Airborne**
 DHL / ~~Sterry~~ Hand / Mail

Project Name/Number: **VPSB-WHITE LAKE**
 Sampler's Signature: *[Signature]*

Page **4** of **10**

Matrix Code:
 DW = Drinking Water
 WW = Waste Water
 GW = Ground Water
 AQ = Aqueous
 SL = Sludge
 O = Oil
 F = Food
 NG = Natural Gas
 NGL = Natural Gas Liquid
 PW = Produced Water
 CF = Completion Fluid
 OT = Other
 SOL = Solid
 SO = Soil
 SW = Swab

Sample ID/Description	Which Regulations Apply:			Turn Time <input type="checkbox"/> Standard <input type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	(Rush turn times will incur a surcharge and must be pre-approved by lab.)	Container		Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ SO ₃	Requested Tests					Comments	
	Collection Information		Type P=Plastic, G=Glass, V=Vial			Quantity	EC		% Moisture	SPE	ESP	TPH-No	Metals		CHLORIDES
	Date	Time													
B12 (8-10)	11/7/06	0816	G	So	1	G	none	X	X	X	X	X	X	X	Metals As, Ba, Cd, Cr Pb, Sr
B12 (12-14)	11/7/06	0817	G	So	1	G	none	X	X	X	X	X	X	X	
B12 (14-16)	11/7/06	0824	G	So	1	G	none	X	X	X	X	X	X	X	
B12 (16-18)	11/7/06	0825	G	So	1	G	none	X	X	X	X	X	X	X	
B12 (22-24)	11/7/06	0835	G	So	1	G	none	X	X	X	X	X	X	X	
B13 (4-6)	11/7/06	0852	G	So	1	G	none	X	X	X	X	X	X	X	
B13 (8-10)	11/7/06	0854	G	So	1	G	none	X	X	X	X	X	X	X	
B13 (10-12)	11/7/06	0858	G	So	1	G	none	X	X	X	X	X	X	X	
B13 (12-14)	11/7/06	0902	G	So	1	G	none	X	X	X	X	X	X	X	
B13 (14-16)	11/7/06	0906	G	So	1	G	none	X	X	X	X	X	X	X	

Relinquished by: *[Signature]* Date/Time: **11-10-06/1510**

Received by: *[Signature]* Date/Time: **11-10-06/1325**

Field Notes: Received at lab on ice? Yes No Temp: **11-10-06 1010**

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

Sherry Laboratories - Chain of Custody Record

Laboratory Number: **106110510**

Page 5 of 10

Client Information:
 Company Name: **IRON ENVIRON METAL**
 Contact Name: **GREG MILLER**
 Address: **1055 CONVENTION ST, 2nd Floor, BATON ROUGE, LA 70802**
 City, State Zip: **225-344-8490** Ext: **225-344-6634**
 Phone Number: **225-344-8490** Ext: **225-344-6634**
 Fax Number: **225-344-6634**
 E-mail Address:

Billing Information:
 PO Number:
 Quote Number:
 Required QC Level:
 Bill Monthly: Yes No
 Ext:

Project Name/Number:
UPSB - WHITE LAKE
5077-041-0800

Matrix Code:
 DW = Drinking Water
 WW = Waste Water
 GW = Ground Water
 AQ = Aqueous
 SL = Sludge
 O = Oil
 F = Food
 NG = Natural Gas
 NGL = Natural Gas Liquid
 PW = Produced Water
 CF = Completion Fluid

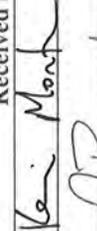
Other Matrix Codes:
 OT = Other
 SOL = Solid
 SO = Soil
 SW = Swab

Shipping Method:
 UPS / FedEx / Airborne
 DHL / ~~Sherry~~ Hand / Mail

Sampler's Signature:


Sample ID/Description	Which Regulations Apply:		Turn Time <input type="checkbox"/> Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	(Rush turn times will incur a surcharge and must be pre-approved by lab.)	Container Type P=Plastic, G=Glass, V=Vial	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ SO ₃	Requested Tests				Comments		
	Collection Information						Quantity	EC	% Moisture	FTH-D/O		Net's	C H O R I S S (422)
	Date	Time											
B13 (16-18)	11/7/06	05:09	G	So	1 G	none	X	X	X	X	X	41	
B13 (24-26)	11/7/06	09:22	G	So	1 G	none	X	X	X	X	X	42	
B14 (4-6)	11/7/06	10:08	G	So	1 G	none	X	X	X	X	X	43	
B14 (6-8)	11/7/06	10:16	G	So	1 G	none	X	X	X	X	X	44	
B14 (8-10)	11/7/06	10:18	G	So	1 G	none	X	X	X	X	X	45	
B14 (10-12)	11/7/06	10:20	G	So	1 G	none	X	X	X	X	X	46	
B14 (12-14)	11/7/06	10:25	G	So	1 G	none	X	X	X	X	X	47	
B14 (14-16)	11/7/06	10:30	G	So	1 G	none	X	X	X	X	X	48	
B14 (16-18)	11/7/06	10:34	G	So	1 G	none	X	X	X	X	X	49	
B14 (24-26)	11/7/06	10:40	G	So	1 G	none	X	X	X	X	X	50	

Relinquished by: 

Received by: 

Date/Time: 11-10-06/1325

Field Notes: Received at lab on ice? Yes No Temp: 11-10-06 1510

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

Chain of Custody

Yes	No	<input checked="" type="radio"/> N/A Were seals, if present, intact?
<input checked="" type="radio"/> Yes	No	Is Chain of Custody complete? If no, please comment below.
		How was the sample delivered? <input checked="" type="radio"/> Sherry FedEx UPS Hand Other: _____

Log In

<input checked="" type="radio"/> Yes	No	Was an attempt made to cool the samples? Temperature: <u>5.6</u> Ambient
<input checked="" type="radio"/> Yes	No	N/A Are samples (except VOA vials) properly preserved?
		If preservative added to bottles, which bottles? _____
Yes	No	<input checked="" type="radio"/> N/A Is the headspace in the VOA vials less than ¼ inch or 6 mm?
Yes	No	<input checked="" type="radio"/> N/A Are VOA vials preserved with HCl?
<input checked="" type="radio"/> Yes	No	Does paperwork match bottle labels? (Note discrepancies on Chain of Custody)
<input checked="" type="radio"/> Yes	No	Are matrices correctly identified on Chain of Custody?
<input checked="" type="radio"/> Yes	No	Is it clear what analyses were requested?
<input checked="" type="radio"/> Yes	No	Are we able to meet all holding times? (If no, notify customer for authorization.)

Special Handling (if applicable)

Yes	No	N/A Was client notified of all discrepancies with this order? Person notified: _____ Date: _____ Time: _____ By whom? _____ Via: Phone Fax In Person Regarding: _____ Report / Do Not Report
Yes	No	N/A Was other special handling completed? Explain: _____

Notes:

Customer: Icon Laboratory Work Order # 6110510
 Log In Signature: Broudeau Date: 11-10-06 Time: 1510



SHERRYLaboratories

Testing Today - Protecting Tomorrow*

2417 West Pinhook Road
Lafayette, LA 70508-3344
Telephone (337) 235-0483

P.O. Box 81816
Lafayette, LA 70598-1816
Fax (337) 233-6540
(800) 737-2378

Greg Miller
ICON Environmental Services
1055 Convention Street, 2nd Floor
Baton Rouge, LA 708024771
TEL: (225) 344-8490
FAX (225) 344-6654

December 29, 2006
Order No.: L06110580

SOIL
ABI-ABS
AB13-AB15 } ALL 1
0-31
3-6

RE: VPSB East White Lake

Dear Greg Miller:

Sherry Laboratories/Louisiana received 14 samples on 11/14/2006 for the analyses presented in the following report.

In accordance with your instructions, Sherry Laboratories/Louisiana conducted the analysis shown on the following pages on samples submitted by your company. The results related only to the items tested. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet all requirements of NELAC. All relevant sampling information is on the attached Chain-of-Custody form. A "#" by the test method indicates this parameter is outside the scope of accreditation.

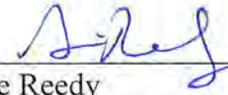
All soil samples except 29-B data are on a wet-weight basis unless otherwise indicated.

Louisiana Certification/Accreditation: 01997

A scope of Certified/Accredited parameters is available upon request.

If you have any questions regarding these test results, please feel free to call.

Sincerely,
Jerry Landry
Laboratory Director

Approved By: 
Annie Reedy
Assistant Laboratory Director

Total Pages in this Report 279



2417 West Pinhook Road
Lafayette LA 70508-3344
(337) 235-0483

P O Box 81816
Lafayette LA 70598-1816
Fax: (337) 233-6540
(800) 737-2378

Date: 29-Dec-06

CLIENT: ICON Environmental Services
Project: VPSB East White Lake
Lab Order: L06110580

CASE NARRATIVE

Unless specified by the client, a duplicate or MS/MSD, wherever applicable, is randomly selected and analyzed from each analytical batch provided sample volume is sufficient. The sample chosen for duplicate or MS/MSD may or may not be a sample submitted in this workorder. A method blank and/or a lab control sample (LCS)/lab control sample duplicate (LCSD), wherever applicable, are processed as a quality control check for each analytical batch. When the matrix QC data is not available due to insufficient sample volume or when the results indicate possible matrix effect, the validity of the batch is determined by the method blank and LCS/LCSD.

Any other exceptions associated with this report will be footnoted in the results page(s) or the QC summary page(s).

The Radium 226 & 228 samples were subcontracted to Eberline Services as instructed by Icon. Their report is attached in its entirety.

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Lafayette LA 70508-3344
(337) 235-0483



P O Box 81816
Lafayette LA 70598-1816
Fax: (337) 233-6540
(800) 737-2378

CLIENT: ICON Environmental Services

Lab Order: L06110580

Project: VPSB East White Lake

Date Received: 11/14/2006

Date Reported: 22-Dec-06

Lab ID L06110580-01 **Collection Date:** 11/13/2006 3:35:00 P **Sample ID:** AB-1 (0-3')

Matrix: SLUDGE

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
	SW6010B					
Arsenic	7.66	0.996		mg/Kg-dry	11/22/2006 9:12:40 AM	
Barium	257	0.996		mg/Kg-dry	11/22/2006 9:12:40 AM	
Cadmium	0.406	0.0996		mg/Kg-dry	11/22/2006 9:12:40 AM	
Chromium	12.9	0.996		mg/Kg-dry	11/22/2006 9:12:40 AM	
Lead	17.8	0.498		mg/Kg-dry	11/22/2006 9:12:40 AM	
Strontium	106	9.96		mg/Kg-dry	11/29/2006 12:38:50 AM	
Zinc	46.4	0.996		mg/Kg-dry	11/22/2006 9:12:40 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)						SBH
	SW8015B					
Surr: n-Pentacosane	69.4	30-148		%REC	11/25/2006 1:02:00 PM	
SOLUBLE CHLORIDE						SP
	M4500-CL B					
Chlorides	10,500	2,000		mg/Kg-dry	12/7/2006 2:35:00 PM	
ELECTRICAL CONDUCTIVITY						MB
	29B					
Electrical Conductivity	26.8	0.500		mmhos/cm	11/30/2006 1:11:00 PM	
PERCENT MOISTURE						MB
	SW9071 #					
Percent Moisture	81.9	0.0100		wt%	11/15/2006	
TPH BY GC/FID						SBH
	SW8015B					
TPH (Diesel Range)	< 21.5	21.5		mg/Kg	11/25/2006 1:02:00 PM	
TPH (Oil Range)	< 22.5	22.5		mg/Kg	11/25/2006 1:02:00 PM	
TRUE TOTAL BARIUM						STS
	29B					
True Total Barium	445	46.6		ppm	11/29/2006 5:20:57 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

2417 West Pinhook Road
Lafayette LA 70508-3344
(337) 235-0483



P O Box 81816
Lafayette LA 70598-1816
Fax: (337) 233-6540
(800) 737-2378

CLIENT: ICON Environmental Services
Lab Order: L06110580
Project: VPSB East White Lake

Date Received: 11/14/2006
Date Reported: 22-Dec-06

Lab ID L06110580-02 **Collection Date:** 11/13/2006 3:37:00 P **Sample ID:** AB-1 (3-6')
Matrix: SLUDGE **Tag Number:**

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP	SW6010B					STS
Arsenic	6.04	0.993		mg/Kg-dry	11/22/2006 9:16:42 AM	
Barium	119	0.993		mg/Kg-dry	11/22/2006 9:16:42 AM	
Cadmium	0.242	0.0993		mg/Kg-dry	11/22/2006 9:16:42 AM	
Chromium	12.5	0.993		mg/Kg-dry	11/22/2006 9:16:42 AM	
Lead	13.4	0.497		mg/Kg-dry	11/22/2006 9:16:42 AM	
Strontium	69.9	0.993		mg/Kg-dry	11/22/2006 9:16:42 AM	
Zinc	36.9	0.993		mg/Kg-dry	11/22/2006 9:16:42 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	102	30-148		%REC	11/24/2006 3:21:00 PM	
SOLUBLE CHLORIDE	M4500-CL B					SP
Chlorides	9,000	2,000		mg/Kg-dry	12/7/2006 2:35:00 PM	
ELECTRICAL CONDUCTIVITY	29B					MB
Electrical Conductivity	20.4	0.500		mmhos/cm	11/30/2006 1:11:00 PM	
PERCENT MOISTURE	SW9071 #					MB
Percent Moisture	69.7	0.0100		wt%	11/15/2006	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/24/2006 3:21:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/24/2006 3:21:00 PM	
TRUE TOTAL BARIUM	29B					STS
True Total Barium	184	48.1		ppm	11/29/2006 5:25:14 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time

2417 West Pinhook Road
Lafayette LA 70508-3344
(337) 235-0483



P O Box 81816
Lafayette LA 70598-1816
Fax: (337) 233-6540
(800) 737-2378

CLIENT: ICON Environmental Services

Lab Order: L06110580

Project: VPSB East White Lake

Date Received: 11/14/2006

Date Reported: 22-Dec-06

Lab ID L06110580-03 **Collection Date:** 11/13/2006 3:45:00 P **Sample ID:** AB-2 (0-3')

Matrix: SLUDGE

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
		SW6010B				
Arsenic	7.64	0.992		mg/Kg-dry	11/22/2006 9:21:19 AM	
Barium	247	0.992		mg/Kg-dry	11/22/2006 9:21:19 AM	
Cadmium	0.316	0.0992		mg/Kg-dry	11/22/2006 9:21:19 AM	
Chromium	12.4	0.992		mg/Kg-dry	11/22/2006 9:21:19 AM	
Lead	15.7	0.496		mg/Kg-dry	11/22/2006 9:21:19 AM	
Strontium	87.2	0.992		mg/Kg-dry	11/22/2006 9:21:19 AM	
Zinc	45.9	0.992		mg/Kg-dry	11/22/2006 9:21:19 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)						SBH
		SW8015B				
Surr: n-Pentacosane	86.6	30-148		%REC	11/24/2006 3:28:00 PM	
SOLUBLE CHLORIDE						SP
		M4500-CL B				
Chlorides	10,000	2,000		mg/Kg-dry	12/7/2006 2:35:00 PM	
ELECTRICAL CONDUCTIVITY						MB
		29B				
Electrical Conductivity	27.5	0.500		mmhos/cm	11/30/2006 1:11:00 PM	
PERCENT MOISTURE						MB
		SW9071 #				
Percent Moisture	85.6	0.0100		wt%	11/15/2006	
TPH BY GC/FID						SBH
		SW8015B				
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/24/2006 3:28:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/24/2006 3:28:00 PM	
TRUE TOTAL BARIUM						STS
		29B				
True Total Barium	322	47.9		ppm	11/29/2006 5:29:27 PM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

2417 West Pinhook Road
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CLIENT: ICON Environmental Services
Lab Order: L06110580
Project: VPSB East White Lake

Date Received: 11/14/2006
Date Reported: 22-Dec-06

Lab ID L06110580-04 **Collection Date:** 11/13/2006 3:47:00 P **Sample ID:** AB-2 (3-6')
Matrix: SLUDGE **Tag Number:**

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP	SW6010B					STS
Arsenic	9.12	0.992		mg/Kg-dry	11/22/2006 9:25:50 AM	
Barium	160	0.992		mg/Kg-dry	11/22/2006 9:25:50 AM	
Cadmium	0.277	0.0992		mg/Kg-dry	11/22/2006 9:25:50 AM	
Chromium	12.2	0.992		mg/Kg-dry	11/22/2006 9:25:50 AM	
Lead	14.0	0.496		mg/Kg-dry	11/22/2006 9:25:50 AM	
Strontium	91.2	9.92		mg/Kg-dry	11/29/2006 12:43:05 AM	
Zinc	40.1	0.992		mg/Kg-dry	11/22/2006 9:25:50 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	99.7	30-148		%REC	11/24/2006 3:34:00 PM	
SOLUBLE CHLORIDE	M4500-CL B					SP
Chlorides	9,250	2,000		mg/Kg-dry	12/7/2006 2:35:00 PM	
ELECTRICAL CONDUCTIVITY	29B					MB
Electrical Conductivity	17.3	0.100		mmhos/cm	11/30/2006 1:11:00 PM	
PERCENT MOISTURE	SW9071 #					MB
Percent Moisture	77.7	0.0100		wt%	11/15/2006	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/24/2006 3:34:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/24/2006 3:34:00 PM	
TRUE TOTAL BARIUM	29B					STS
True Total Barium	238	47.4		ppm	11/29/2006 5:33:40 PM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

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CLIENT: ICON Environmental Services

Lab Order: L06110580

Project: VPSB East White Lake

Date Received: 11/14/2006

Date Reported: 22-Dec-06

Lab ID L06110580-05 **Collection Date:** 11/13/2006 4:10:00 P **Sample ID:** AB-3 (0-3')

Matrix: SLUDGE

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP	SW6010B					STS
Arsenic	6.50	0.997		mg/Kg-dry	11/22/2006 9:38:45 AM	
Barium	279	0.997		mg/Kg-dry	11/22/2006 9:38:45 AM	
Cadmium	0.312	0.0997		mg/Kg-dry	11/22/2006 9:38:45 AM	
Chromium	14.5	0.997		mg/Kg-dry	11/22/2006 9:38:45 AM	
Lead	21.0	0.498		mg/Kg-dry	11/22/2006 9:38:45 AM	
Strontium	63.9	0.997		mg/Kg-dry	11/22/2006 9:38:45 AM	
Zinc	46.8	0.997		mg/Kg-dry	11/22/2006 9:38:45 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	82.7	30-148		%REC	11/25/2006 1:08:00 PM	
SOLUBLE CHLORIDE	M4500-CL B					SP
Chlorides	10,800	2,000		mg/Kg-dry	12/7/2006 2:35:00 PM	
ELECTRICAL CONDUCTIVITY	29B					MB
Electrical Conductivity	19.9	0.100		mmhos/cm	11/30/2006 1:11:00 PM	
PERCENT MOISTURE	SW9071 #					MB
Percent Moisture	82.8	0.0100		wt%	11/15/2006	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	< 21.5	21.5		mg/Kg	11/25/2006 1:08:00 PM	
TPH (Oil Range)	< 22.5	22.5		mg/Kg	11/25/2006 1:08:00 PM	
TRUE TOTAL BARIUM	29B					STS
True Total Barium	361	49.2		ppm	11/29/2006 5:37:53 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

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CLIENT: ICON Environmental Services
Lab Order: L06110580
Project: VPSB East White Lake

Date Received: 11/14/2006
Date Reported: 22-Dec-06

Lab ID L06110580-06 **Collection Date:** 11/13/2006 4:15:00 P **Sample ID:** AB-3 (3-6')
Matrix: SLUDGE **Tag Number:**

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP	SW6010B					STS
Arsenic	6.74	0.992		mg/Kg-dry	11/22/2006 9:43:07 AM	
Barium	122	0.992		mg/Kg-dry	11/22/2006 9:43:07 AM	
Cadmium	0.259	0.0992		mg/Kg-dry	11/22/2006 9:43:07 AM	
Chromium	13.3	0.992		mg/Kg-dry	11/22/2006 9:43:07 AM	
Lead	15.3	0.496		mg/Kg-dry	11/22/2006 9:43:07 AM	
Strontium	59.8	0.992		mg/Kg-dry	11/22/2006 9:43:07 AM	
Zinc	45.9	0.992		mg/Kg-dry	11/22/2006 9:43:07 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	95.9	30-148		%REC	11/24/2006 3:41:00 PM	
SOLUBLE CHLORIDE	M4500-CL B					SP
Chlorides	2,250	400		mg/Kg-dry	12/7/2006 2:35:00 PM	
ELECTRICAL CONDUCTIVITY	29B					MB
Electrical Conductivity	11.2	0.100		mmhos/cm	11/30/2006 1:11:00 PM	
PERCENT MOISTURE	SW9071 #					MB
Percent Moisture	62.1	0.0100		wt%	11/15/2006	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/24/2006 3:41:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/24/2006 3:41:00 PM	
TRUE TOTAL BARIUM	29B					STS
True Total Barium	177	48.4		ppm	11/29/2006 5:42:06 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time

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CLIENT: ICON Environmental Services

Lab Order: L06110580

Project: VPSB East White Lake

Date Received: 11/14/2006

Date Reported: 22-Dec-06

Lab ID L06110580-07 **Collection Date:** 11/13/2006 4:20:00 P **Sample ID:** AB-4 (0-3')

Matrix: SLUDGE

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
		SW6010B				
Arsenic	10.0	0.998		mg/Kg-dry	11/22/2006 9:47:34 AM	
Barium	227	0.998		mg/Kg-dry	11/22/2006 9:47:34 AM	
Cadmium	0.356	0.0998		mg/Kg-dry	11/22/2006 9:47:34 AM	
Chromium	9.02	0.998		mg/Kg-dry	11/22/2006 9:47:34 AM	
Lead	12.6	0.499		mg/Kg-dry	11/22/2006 9:47:34 AM	
Strontium	100	9.98		mg/Kg-dry	11/29/2006 9:49:57 AM	
Zinc	40.9	0.998		mg/Kg-dry	11/22/2006 9:47:34 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)						SBH
		SW8015B				
Surr: n-Pentacosane	95.1	30-148		%REC	11/24/2006 3:47:00 PM	
SOLUBLE CHLORIDE						SP
		M4500-CL B				
Chlorides	13,800	2,000		mg/Kg-dry	12/7/2006 2:35:00 PM	
ELECTRICAL CONDUCTIVITY						MB
		29B				
Electrical Conductivity	25.6	0.100		mmhos/cm	11/30/2006 1:11:00 PM	
PERCENT MOISTURE						MB
		SW9071 #				
Percent Moisture	86.1	0.0100		wt%	11/15/2006	
TPH BY GC/FID						SBH
		SW8015B				
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/24/2006 3:47:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/24/2006 3:47:00 PM	
TRUE TOTAL BARIUM						STS
		29B				
True Total Barium	343	45.8		ppm	11/29/2006 5:46:20 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

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CLIENT: ICON Environmental Services

Lab Order: L06110580

Project: VPSB East White Lake

Date Received: 11/14/2006

Date Reported: 22-Dec-06

Lab ID L06110580-08 **Collection Date:** 11/13/2006 4:25:00 P **Sample ID:** AB-4 (3-6')

Matrix: SLUDGE

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	5.79	0.992		mg/Kg-dry	11/22/2006 9:51:34 AM	
Barium	78.7	0.992		mg/Kg-dry	11/22/2006 9:51:34 AM	
Cadmium	0.191	0.0992		mg/Kg-dry	11/22/2006 9:51:34 AM	
Chromium	14.3	0.992		mg/Kg-dry	11/22/2006 9:51:34 AM	
Lead	16.3	0.496		mg/Kg-dry	11/22/2006 9:51:34 AM	
Strontium	53.2	0.992		mg/Kg-dry	11/22/2006 9:51:34 AM	
Zinc	45.8	0.992		mg/Kg-dry	11/22/2006 9:51:34 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	69.3	30-148		%REC	11/24/2006 3:54:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	2,500	400		mg/Kg-dry	12/7/2006 2:35:00 PM	
ELECTRICAL CONDUCTIVITY		29B				MB
Electrical Conductivity	8.62	0.100		mmhos/cm	11/30/2006 1:11:00 PM	
PERCENT MOISTURE		SW9071 #				MB
Percent Moisture	58.9	0.0100		wt%	11/15/2006	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/24/2006 3:54:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/24/2006 3:54:00 PM	
TRUE TOTAL BARIUM		29B				STS
True Total Barium	140	48.3		ppm	11/29/2006 5:58:53 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
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	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

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CLIENT: ICON Environmental Services
Lab Order: L06110580
Project: VPSB East White Lake

Date Received: 11/14/2006
Date Reported: 22-Dec-06

Lab ID L06110580-09 **Collection Date:** 11/13/2006 12:10:00 P **Sample ID:** AB-5 (0-6')
Matrix: SLUDGE **Tag Number:**

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
Arsenic	6.03	0.992		mg/Kg-dry	11/22/2006 9:56:12 AM	
Barium	253	0.992		mg/Kg-dry	11/22/2006 9:56:12 AM	
Cadmium	0.228	0.0992		mg/Kg-dry	11/22/2006 9:56:12 AM	
Chromium	7.84	0.992		mg/Kg-dry	11/22/2006 9:56:12 AM	
Lead	8.46	0.496		mg/Kg-dry	11/22/2006 9:56:12 AM	
Strontium	237	9.92		mg/Kg-dry	11/29/2006 9:54:10 AM	
Zinc	20.4	0.992		mg/Kg-dry	11/22/2006 9:56:12 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)						SBH
Surr: n-Pentacosane	61.5	30-148		%REC	11/22/2006 2:37:00 PM	
SOLUBLE CHLORIDE						SP
Chlorides	4,800	400		mg/Kg-dry	12/7/2006 2:35:00 PM	
ELECTRICAL CONDUCTIVITY						MB
Electrical Conductivity	15.1	0.100		mmhos/cm	11/30/2006 1:11:00 PM	
PERCENT MOISTURE						MB
Percent Moisture	69.9	0.0100		wt%	11/15/2006	
TPH BY GC/FID						SBH
TPH (Diesel Range)	< 21.0	21.0		mg/Kg	11/22/2006 2:37:00 PM	
TPH (Oil Range)	< 25.0	25.0		mg/Kg	11/22/2006 2:37:00 PM	
TRUE TOTAL BARIUM						STS
True Total Barium	279	47.1		ppm	11/29/2006 6:03:06 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time

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CLIENT: ICON Environmental Services

Lab Order: L06110580

Project: VPSB East White Lake

Date Received: 11/14/2006

Date Reported: 22-Dec-06

Lab ID L06110580-10 **Collection Date:** 11/13/2006 3:12:00 P **Sample ID:** AB-13 (0-3')

Matrix: SLUDGE

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
Arsenic	12.9	0.996		mg/Kg-dry	11/22/2006 10:00:27 AM	
Barium	551	0.996		mg/Kg-dry	11/22/2006 10:00:27 AM	
Cadmium	0.447	0.0996		mg/Kg-dry	11/22/2006 10:00:27 AM	
Chromium	7.73	0.996		mg/Kg-dry	11/22/2006 10:00:27 AM	
Lead	8.11	0.498		mg/Kg-dry	11/22/2006 10:00:27 AM	
Strontium	459	9.96		mg/Kg-dry	11/29/2006 9:58:26 AM	
Zinc	24.8	0.996		mg/Kg-dry	11/22/2006 10:00:27 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)						SBH
Surr: n-Pentacosane	70.4	30-148		%REC	11/24/2006 4:01:00 PM	
SOLUBLE CHLORIDE						SP
Chlorides	73,800	10,000		mg/Kg-dry	12/7/2006 2:35:00 PM	
ELECTRICAL CONDUCTIVITY						MB
Electrical Conductivity	87.0	0.500		mmhos/cm	11/30/2006 1:11:00 PM	
PERCENT MOISTURE						MB
Percent Moisture	86.0	0.0100		wt%	11/15/2006	
TPH BY GC/FID						SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/24/2006 4:01:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/24/2006 4:01:00 PM	
TRUE TOTAL BARIUM						STS
True Total Barium	850	48.2		ppm	11/29/2006 6:07:22 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time

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CLIENT: ICON Environmental Services

Lab Order: L06110580

Project: VPSB East White Lake

Date Received: 11/14/2006

Date Reported: 22-Dec-06

Lab ID L06110580-11 **Collection Date:** 11/13/2006 3:15:00 P **Sample ID:** AB-13 (3-6')

Matrix: SLUDGE

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
Arsenic	5.48	0.994		mg/Kg-dry	11/22/2006 10:04:28 AM	
Barium	208	0.994		mg/Kg-dry	11/22/2006 10:04:28 AM	
Cadmium	0.265	0.0994		mg/Kg-dry	11/22/2006 10:04:28 AM	
Chromium	12.2	0.994		mg/Kg-dry	11/22/2006 10:04:28 AM	
Lead	13.3	0.497		mg/Kg-dry	11/22/2006 10:04:28 AM	
Strontium	156	9.94		mg/Kg-dry	11/29/2006 10:03:00 AM	
Zinc	64.5	0.994		mg/Kg-dry	11/22/2006 10:04:28 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)						SBH
Surr: n-Pentacosane	105	30-148		%REC	11/24/2006 4:07:00 PM	
SOLUBLE CHLORIDE						SP
Chlorides	38,000	2,000		mg/Kg-dry	12/7/2006 2:35:00 PM	
ELECTRICAL CONDUCTIVITY						MB
Electrical Conductivity	79.5	0.500		mmhos/cm	11/30/2006 1:11:00 PM	
PERCENT MOISTURE						MB
Percent Moisture	58.0	0.0100		wt%	11/15/2006	
TPH BY GC/FID						SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/24/2006 4:07:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/24/2006 4:07:00 PM	
TRUE TOTAL BARIUM						STS
True Total Barium	340	46.1		ppm	11/29/2006 6:11:37 PM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110580

Project: VPSB East White Lake

Date Received: 11/14/2006

Date Reported: 28-Dec-06

Lab ID: L06110580-12 **Collection Date:** 11/13/2006 3:00:00 PM **Sample ID:** AB-14 (0-3')

Matrix: SLUDGE

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
Arsenic	5.51	0.998		mg/Kg-dry	11/22/2006 10:08:45 AM	
Barium	200	0.998		mg/Kg-dry	11/22/2006 10:08:45 AM	
Cadmium	0.219	0.0998		mg/Kg-dry	11/22/2006 10:08:45 AM	
Chromium	12.8	0.998		mg/Kg-dry	11/22/2006 10:08:45 AM	
Lead	14.4	0.499		mg/Kg-dry	11/22/2006 10:08:45 AM	
Strontium	121	9.98		mg/Kg-dry	11/29/2006 10:07:15 AM	
Zinc	63.9	0.998		mg/Kg-dry	11/22/2006 10:08:45 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)						SBH
Surr: n-Pentacosane	77.8	30-148		%REC	11/22/2006 11:20:00 AM	
SOLUBLE CHLORIDE						SP
Chlorides	15,500	2,000		mg/Kg-dry	12/7/2006 2:35:00 PM	
ELECTRICAL CONDUCTIVITY						MB
Electrical Conductivity	26.1	0.100		mmhos/cm	11/30/2006 1:11:00 PM	
PERCENT MOISTURE						MB
Percent Moisture	62.8	0.0100		wt%	11/15/2006	
TPH BY GC/FID						SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/22/2006 11:20:00 AM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/22/2006 11:20:00 AM	
TRUE TOTAL BARIUM						STS
True Total Barium	295	45.9		ppm	11/29/2006 6:15:50 PM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

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CLIENT: ICON Environmental Services

Lab Order: L06110580

Project: VPSB East White Lake

Date Received: 11/14/2006

Date Reported: 22-Dec-06

Lab ID L06110580-13 **Collection Date:** 11/13/2006 3:05:00 P **Sample ID:** AB-14 (3-6')

Matrix: SLUDGE

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
Arsenic	7.23	0.998		mg/Kg-dry	11/22/2006 10:12:59 AM	
Barium	551	0.998		mg/Kg-dry	11/22/2006 10:12:59 AM	
Cadmium	0.366	0.0998		mg/Kg-dry	11/22/2006 10:12:59 AM	
Chromium	19.1	0.998		mg/Kg-dry	11/22/2006 10:12:59 AM	
Lead	23.5	0.499		mg/Kg-dry	11/22/2006 10:12:59 AM	
Strontium	210	9.98		mg/Kg-dry	11/29/2006 10:11:28 AM	
Zinc	66.4	0.998		mg/Kg-dry	11/22/2006 10:12:59 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)						SBH
Surr: n-Pentacosane	58.4	30-148		%REC	11/22/2006 2:31:00 PM	
SOLUBLE CHLORIDE						SP
Chlorides	16,800	2,000		mg/Kg-dry	12/7/2006 2:35:00 PM	
ELECTRICAL CONDUCTIVITY						MB
Electrical Conductivity	41.3	0.500		mmhos/cm	11/30/2006 1:11:00 PM	
PERCENT MOISTURE						MB
Percent Moisture	69.5	0.0100		wt%	11/15/2006	
TPH BY GC/FID						SBH
TPH (Diesel Range)	265	50.0		mg/Kg	11/22/2006 2:31:00 PM	
TPH (Oil Range)	73.3	50.0		mg/Kg	11/22/2006 11:26:00 AM	
TRUE TOTAL BARIUM						STS
True Total Barium	1,180	47.3		ppm	11/29/2006 6:20:04 PM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

Sherry Laboratories/Louisiana

Date: 04-Jan-07

CLIENT: ICON Environmental Services
Work Order: L06110580
Project: VPSB East White Lake

QC SUMMARY REPORT

Method Blank

Sample ID: MBLK	Batch ID: 6592	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/22/2006 8:59:05 AM	Prep Date:						
Client ID:	Run ID: I2-OPTIMA_061121C	SeqNo: 754275									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.010	0.010									
Barium	< 0.010	0.010									
Cadmium	< 0.0010	0.0010									
Chromium	< 0.010	0.010									
Lead	< 0.0050	0.0050									
Strontium	< 0.010	0.010									
Zinc	< 0.010	0.010									

Sample ID: BLK 11-19 S	Batch ID: 6598	Test Code: SW8015B	Units: %	Analysis Date 11/22/2006 11:01:00 A	Prep Date: 11/19/2006						
Client ID:	Run ID: G2_061121C	SeqNo: 753385									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	333.3	0	500	0	66.7	30	148	0			

Sample ID: BLK 11-22 S	Batch ID: 6610	Test Code: SW8015B	Units: %	Analysis Date 11/24/2006 3:02:00 PM	Prep Date: 11/22/2006						
Client ID:	Run ID: G2_061124A	SeqNo: 753779									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	494.3	0	500	0	98.9	30	148	0			

Sample ID: MB-R50475	Batch ID: R50475	Test Code: M4500-CI B	Units: mg/Kg-dry	Analysis Date 12/7/2006 2:35:00 PM	Prep Date:						
Client ID:	Run ID: MAN1-WC_061207G	SeqNo: 762325									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	< 4.0	4.0									

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

QC SUMMARY REPORT
Method Blank

CLIENT: ICON Environmental Services
Work Order: L06110580
Project: VPSB East White Lake

Sample ID: **BLK 11-19 S** Batch ID: **6598** Test Code: **SW8015B** Units: **mg/Kg** Analysis Date **11/22/2006 11:01:00 A** Prep Date: **11/19/2006**
Client ID: Run ID: **G2_061121C** SeqNo: **753318**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	< 10										
TPH (Oil Range)	< 50										

Sample ID: **BLK 11-22 S** Batch ID: **6610** Test Code: **SW8015B** Units: **mg/Kg** Analysis Date **11/24/2006 3:02:00 PM** Prep Date: **11/22/2006**
Client ID: Run ID: **G2_061124A** SeqNo: **753729**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	< 10										
TPH (Oil Range)	< 50										

Sample ID: **MBLK** Batch ID: **6612** Test Code: **29B** Units: **ppm** Analysis Date **11/29/2006 5:08:15 PM** Prep Date:
Client ID: Run ID: **I2-OPTIMA_061128B** SeqNo: **756984**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
True Total Barium	< 50										

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

Sherry Laboratories/Louisiana

Date: 04-Jan-07

CLIENT: ICON Environmental Services
 Work Order: L06110580
 Project: VPSB East White Lake

QC SUMMARY REPORT
 Sample Duplicate

Sample ID: L06110580-14ADU	Batch ID: 6592	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/22/2006 10:34:09 A	Prep Date: 11/17/2006						
Client ID: AB-15 (0-6')	Run ID: I2-OPTIMA_061121C	SeqNo: 754293									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	11.32	1.0	0	0	0	0	0	8.15	32.6	20	R
Barium	436.5	1.0	0	0	0	0	0	361.5	18.8	20	
Cadmium	0.3603	0.10	0	0	0	0	0	0.2784	25.6	20	R
Chromium	8.838	1.0	0	0	0	0	0	11.04	22.2	20	R
Lead	9.213	0.50	0	0	0	0	0	12.58	30.9	20	R
Zinc	21.95	1.0	0	0	0	0	0	32.18	37.8	20	R

Sample ID: L06110580-14ADU	Batch ID: 6592	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/29/2006 10:24:15 A	Prep Date: 11/17/2006						
Client ID: AB-15 (0-6')	Run ID: I2-OPTIMA_061128A	SeqNo: 756386									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Strontium	306.9	10	0	0	0	0	0	251.2	20	20	

Sample ID: L06110580-14ADU	Batch ID: R50259	Test Code: 29B	Units: mmhos/cm	Analysis Date 11/30/2006 1:11:00 PM	Prep Date:						
Client ID: AB-15 (0-6')	Run ID: MAN1-WC_061130E	SeqNo: 757486									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	56.5	0.50	0	0	0	0	0	59.5	5.17	20	

Sample ID: L06110580-14ADU	Batch ID: R50377	Test Code: SW9071 #	Units: wt%	Analysis Date 11/15/2006	Prep Date:						
Client ID: AB-15 (0-6')	Run ID: MAN1-WC_061115N	SeqNo: 759346									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	85.2	0.010	0	0	0	0	0	78.7	7.93	20	

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

Sherry Laboratories/Louisiana

Date: 04-Jan-07

CLIENT: ICON Environmental Services
Work Order: L06110580
Project: VPSB East White Lake

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: L06110580-14AMS Batch ID: 6592 Test Code: SW6010B Units: mg/Kg-dry Analysis Date 11/22/2006 10:29:50 A Prep Date: 11/17/2006
 Client ID: AB-15 (0-6') Run ID: I2-OPTIMA_061121C SeqNo: 754292

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	64.9	1.0	49.9	8.15	114	75	125	0			
Barium	419.1	1.0	49.9	361.5	115	75	125	0			
Cadmium	56.49	0.10	49.9	0.2784	113	75	125	0			
Chromium	67.83	1.0	49.9	11.04	114	75	125	0			
Lead	66.3	0.50	49.9	12.58	108	75	125	0			
Zinc	85.66	1.0	49.9	32.18	107	75	125	0			

Sample ID: L06110580-14AMS Batch ID: 6592 Test Code: SW6010B Units: mg/Kg-dry Analysis Date 11/22/2006 10:38:10 A Prep Date: 11/17/2006
 Client ID: AB-15 (0-6') Run ID: I2-OPTIMA_061121C SeqNo: 754294

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	64.67	1.0	49.88	11.32	107	75	125	64.9	0.352	20	
Barium	495.8	1.0	49.88	436.5	119	75	125	419.1	16.8	20	
Cadmium	52.84	0.10	49.88	0.3603	105	75	125	56.49	6.68	20	
Chromium	61.56	1.0	49.88	8.838	106	75	125	67.83	9.69	20	
Lead	59.66	0.50	49.88	9.213	101	75	125	66.3	10.6	20	
Zinc	75.44	1.0	49.88	21.95	107	75	125	85.66	12.7	20	

Sample ID: L06110580-14AMS Batch ID: 6592 Test Code: SW6010B Units: mg/Kg-dry Analysis Date 11/29/2006 10:19:59 A Prep Date: 11/17/2006
 Client ID: AB-15 (0-6') Run ID: I2-OPTIMA_061128A SeqNo: 756385

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Strontium	316.3	10	49.9	251.2	130	75	125	0			S

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

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

B - Analyte detected in the associated Method Blank
 5

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

CLIENT: ICON Environmental Services
 Work Order: L06110580
 Project: VPSB East White Lake

Sample ID: L06110580-14AMS Batch ID: 6592 Test Code: SW8010B Units: mg/Kg-dry Analysis Date 11/29/2006 10:28:31 A Prep Date: 11/17/2006
 Client ID: AB-15 (0-6') Run ID: I2-OPTIMA_061128A SeqNo: 756387

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Strontium	353.4	10	49.88	306.9	93.2	75	125	316.3	11.1	20	

Sample ID: L06110547-04AMS Batch ID: 6598 Test Code: SW8015B Units: % Analysis Date 11/22/2006 10:17:00 A Prep Date: 11/19/2006
 Client ID: G2_061121C Run ID: G2_061121C SeqNo: 753379

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	410.1	0	500	0	82	30	148	0			

Sample ID: L06110547-04AMS Batch ID: 6598 Test Code: SW8015B Units: % Analysis Date 11/22/2006 10:23:00 A Prep Date: 11/19/2006
 Client ID: G2_061121C Run ID: G2_061121C SeqNo: 753380

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	449.1	0	500	0	89.8	30	148	0			

Sample ID: L06110547-04AMS Batch ID: 6598 Test Code: SW8015B Units: % Analysis Date 11/22/2006 10:42:00 A Prep Date: 11/19/2006
 Client ID: G2_061121C Run ID: G2_061121C SeqNo: 753383

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	238.9	0	500	0	47.8	30	148	0			

Sample ID: L06110547-04AMS Batch ID: 6598 Test Code: SW8015B Units: % Analysis Date 11/22/2006 10:48:00 A Prep Date: 11/19/2006
 Client ID: G2_061121C Run ID: G2_061121C SeqNo: 753384

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	259.3	0	500	0	51.9	30	148	0			

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

QC SUMMARY REPORT

Sample Matrix Spike

CLIENT: ICON Environmental Services
Work Order: L06110580
Project: VPSB East White Lake

Sample ID: L06110584-01AMS **Batch ID:** 6610 **Test Code:** SW8015B **Units:** % **Analysis Date:** 11/24/2006 2:15:00 PM **Prep Date:** 11/22/2006
Client ID: **Run ID:** G2_061124A **SeqNo:** 753773

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	472.1	0	500	0	94.4	30	148	0			

Sample ID: L06110584-01AMS **Batch ID:** 6610 **Test Code:** SW8015B **Units:** % **Analysis Date:** 11/24/2006 2:22:00 PM **Prep Date:** 11/22/2006
Client ID: **Run ID:** G2_061124A **SeqNo:** 753774

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	369.6	0	500	0	73.9	30	148	0			

Sample ID: L06110584-01AMS **Batch ID:** 6610 **Test Code:** SW8015B **Units:** % **Analysis Date:** 11/24/2006 2:42:00 PM **Prep Date:** 11/22/2006
Client ID: **Run ID:** G2_061124A **SeqNo:** 753777

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	287.7	0	500	0	57.5	30	148	0			

Sample ID: L06110584-01AMS **Batch ID:** 6610 **Test Code:** SW8015B **Units:** % **Analysis Date:** 11/24/2006 2:48:00 PM **Prep Date:** 11/22/2006
Client ID: **Run ID:** G2_061124A **SeqNo:** 753778

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	343.3	0	500	0	68.7	30	148	0			

Sample ID: L06110580-08AMS **Batch ID:** R50475 **Test Code:** M4500-CI B **Units:** mg/Kg-dry **Analysis Date:** 12/7/2006 2:35:00 PM **Prep Date:**
Client ID: AB-4 (3-6') **Run ID:** MAN1-WC_061207G **SeqNo:** 762348

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	7000	400	5263	2500	85.5	80	120	0			

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

QC SUMMARY REPORT
Sample Matrix Spike Duplicate

CLIENT: ICON Environmental Services
Work Order: L06110580
Project: VPSB East White Lake

Sample ID: L06110580-08AMS	Batch ID: R50475	Test Code: M4500-CI B	Units: mg/Kg-dry	Analysis Date 12/7/2006 2:35:00 PM	Prep Date:						
Client ID: AB-4 (3-6')		Run ID: MAN1-WC_061207G		SeqNo: 762349							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	7150	400	5263	2500	88.4	80	120	7000	2.12	20	

Sample ID: L06110547-04AMS	Batch ID: 6598	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/22/2006 10:17:00 A	Prep Date: 11/19/2006						
Client ID:		Run ID: G2_061121C		SeqNo: 753312							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	3320	10	100	1391	1930	43.2	135	0		S	

Sample ID: L06110547-04AMS	Batch ID: 6598	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/22/2006 10:23:00 A	Prep Date: 11/19/2006						
Client ID:		Run ID: G2_061121C		SeqNo: 753313							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	5221	10	100	1391	3830	43.2	135	3320	44.5	40	SR

Sample ID: L06110547-04AMS	Batch ID: 6598	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/22/2006 10:42:00 A	Prep Date: 11/19/2006						
Client ID:		Run ID: G2_061121C		SeqNo: 753316							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	1472	50	100	1245	227	43.2	135	0		S	

Sample ID: L06110547-04AMS	Batch ID: 6598	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/22/2006 10:48:00 A	Prep Date: 11/19/2006						
Client ID:		Run ID: G2_061121C		SeqNo: 753317							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	1313	50	100	1245	67.8	43.2	135	1472	11.5	40	

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

QC SUMMARY REPORT

Sample Matrix Spike

CLIENT: ICON Environmental Services
 Work Order: L06110580
 Project: VPSB East White Lake

Sample ID: L06110584-01AMS	Batch ID: 6610	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/24/2006 2:15:00 PM	Prep Date: 11/22/2006						
Client ID:		Run ID: G2_061124A		SeqNo: 753723							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	322.5	10	100	138.2	184	43.2	135	0			S

Sample ID: L06110584-01AMS	Batch ID: 6610	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/24/2006 2:22:00 PM	Prep Date: 11/22/2006						
Client ID:		Run ID: G2_061124A		SeqNo: 753724							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	741.5	10	100	138.2	603	43.2	135	322.5	78.8	40	SR

Sample ID: L06110584-01AMS	Batch ID: 6610	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/24/2006 2:42:00 PM	Prep Date: 11/22/2006						
Client ID:		Run ID: G2_061124A		SeqNo: 753727							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	3019	50	100	0	3020	43.2	135	0			S

Sample ID: L06110584-01AMS	Batch ID: 6610	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/24/2006 2:48:00 PM	Prep Date: 11/22/2006						
Client ID:		Run ID: G2_061124A		SeqNo: 753728							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	3511	50	100	0	3510	43.2	135	3019	15.1	40	S

Sample ID: L06110580-14AMS	Batch ID: 6612	Test Code: 29B	Units: ppm	Analysis Date 11/29/2006 6:28:32 PM	Prep Date: 11/22/2006						
Client ID: AB-15 (0-6')		Run ID: I2-OPTIMA_061128B		SeqNo: 757001							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
True Total Barium	3232	48	2406	664.1	107	75	125	0			

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

Sherry Laboratories/Louisiana

Date: 04-Jan-07

CLIENT: ICON Environmental Services
 Work Order: L06110580
 Project: VPSB East White Lake

QC SUMMARY REPORT
 Laboratory Control Spike - generic

Sample ID: LCS LOT # 06D28 Batch ID: 6592 Test Code: SW6010B Units: mg/Kg-dry Analysis Date 11/22/2006 9:03:21 AM Prep Date:
 Client ID: Run ID: I2-OPTIMA_061121C SeqNo: 754276

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4916	0.010	0.5	0	98.3	75	125	0			
Barium	0.4955	0.010	0.5	0	99.1	75	125	0			
Cadmium	0.5014	0.0010	0.5	0	100	75	125	0			
Chromium	0.4945	0.010	0.5	0	98.9	75	125	0			
Lead	0.4949	0.0050	0.5	0	99	75	125	0			
Strontium	0.4932	0.010	0.5	0	98.6	75	125	0			
Zinc	0.4991	0.010	0.5	0	99.8	75	125	0			

Sample ID: LCSD LOT # 06D2 Batch ID: 6592 Test Code: SW6010B Units: mg/Kg-dry Analysis Date 11/22/2006 9:07:59 AM Prep Date:
 Client ID: Run ID: I2-OPTIMA_061121C SeqNo: 754277

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4933	0.010	0.5	0	98.7	75	125	0.4916	0.34	20	
Barium	0.4955	0.010	0.5	0	99.1	75	125	0.4955	0.00987	20	
Cadmium	0.5023	0.0010	0.5	0	100	75	125	0.5014	0.177	20	
Chromium	0.4936	0.010	0.5	0	98.7	75	125	0.4945	0.185	20	
Lead	0.497	0.0050	0.5	0	99.4	75	125	0.4949	0.425	20	
Strontium	0.4942	0.010	0.5	0	98.8	75	125	0.4932	0.198	20	
Zinc	0.4989	0.010	0.5	0	99.8	75	125	0.4991	0.0313	20	

Sample ID: LCS-D 11-19 S Batch ID: 6598 Test Code: SW8015B Units: % Analysis Date 11/22/2006 10:04:00 A Prep Date: 11/19/2006
 Client ID: Run ID: G2_061121C SeqNo: 753377

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	462.7	0	500	0	92.5	30	148	0			

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

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

CLIENT: ICON Environmental Services
Work Order: L06110580
Project: VPSB East White Lake

Sample ID: LCSD-D 11-19 S	Batch ID: 6598	Test Code: SW8015B	Units: %	Analysis Date: 11/22/2006 10:10:00 A	Prep Date: 11/19/2006						
Client ID:		Run ID: G2_061121C		SeqNo: 753378							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	458.3	0	500	0	91.7	30	148	0			

Sample ID: LCS-MO 11-19 S	Batch ID: 6598	Test Code: SW8015B	Units: %	Analysis Date: 11/22/2006 10:29:00 A	Prep Date: 11/19/2006						
Client ID:		Run ID: G2_061121C		SeqNo: 753381							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	402.3	0	500	0	80.5	30	148	0			

Sample ID: LCSD-MO 11-19 S	Batch ID: 6598	Test Code: SW8015B	Units: %	Analysis Date: 11/22/2006 10:36:00 A	Prep Date: 11/19/2006						
Client ID:		Run ID: G2_061121C		SeqNo: 753382							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	413.4	0	500	0	82.7	30	148	0			

Sample ID: LCS-D 11-22 S	Batch ID: 6610	Test Code: SW8015B	Units: %	Analysis Date: 11/24/2006 2:02:00 PM	Prep Date: 11/22/2006						
Client ID:		Run ID: G2_061124A		SeqNo: 753771							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	524.3	0	500	0	105	30	148	0			

Sample ID: LCSD-D 11-22 S	Batch ID: 6610	Test Code: SW8015B	Units: %	Analysis Date: 11/24/2006 2:09:00 PM	Prep Date: 11/22/2006						
Client ID:		Run ID: G2_061124A		SeqNo: 753772							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	495.5	0	500	0	99.1	30	148	0			

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

QC SUMMARY REPORT
Laboratory Control Spike - generic

CLIENT: ICON Environmental Services
Work Order: L06110580
Project: VPSB East White Lake

Sample ID: LCS-MO 11-22 S	Batch ID: 6610	Test Code: SW8015B	Units: %	Analysis Date 11/24/2006 2:29:00 PM	Prep Date: 11/22/2006						
Client ID:		Run ID: G2_061124A		SeqNo: 753775							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	501.6	0	500	0	100	30	148	0			

Sample ID: LCS-MO 11-22 S	Batch ID: 6610	Test Code: SW8015B	Units: %	Analysis Date 11/24/2006 2:35:00 PM	Prep Date: 11/22/2006						
Client ID:		Run ID: G2_061124A		SeqNo: 753776							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	458.7	0	500	0	91.7	30	148	0			

Sample ID: LCS-R50475	Batch ID: R50475	Test Code: M4500-CI B	Units: mg/Kg-dry	Analysis Date 12/7/2006 2:35:00 PM	Prep Date:						
Client ID:		Run ID: MAN1-WC_061207G		SeqNo: 762326							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	1010	4.0	1000	0	101	80	120	0			

Sample ID: LCS-R50259	Batch ID: R50259	Test Code: M4500-CI B	Units: mg/Kg-dry	Analysis Date 12/7/2006 2:35:00 PM	Prep Date:						
Client ID:		Run ID: MAN1-WC_061207G		SeqNo: 762347							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	1000	4.0	1000	0	100	80	120	1010	0.995	20	

Sample ID: LCS-R50259	Batch ID: R50259	Test Code: 29B	Units: mmhos/cm	Analysis Date 11/30/2006 1:11:00 PM	Prep Date:						
Client ID:		Run ID: MAN1-WC_061130E		SeqNo: 757466							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	0.465	0.10	0.451	0	103	80	120	0			

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

QC SUMMARY REPORT
Laboratory Control Spike - generic

CLIENT: ICON Environmental Services
Work Order: L06110580
Project: VPSB East White Lake

Sample ID: LCS-D 11-19 S	Batch ID: 6598	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/22/2006 10:04:00 A	Prep Date: 11/19/2006						
Client ID:		Run ID: G2_061121C		SeqNo: 753310							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	90.37	10	100	0	90.4	43.2	135	0			

Sample ID: LCS-D 11-19 S	Batch ID: 6598	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/22/2006 10:10:00 A	Prep Date: 11/19/2006						
Client ID:		Run ID: G2_061121C		SeqNo: 753311							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	90	10	100	0	90	43.2	135	90.37	0.412	40	

Sample ID: LCS-MO 11-19 S	Batch ID: 6598	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/22/2006 10:29:00 A	Prep Date: 11/19/2006						
Client ID:		Run ID: G2_061121C		SeqNo: 753314							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	59.04	50	100	0	59	43.2	135	0			

Sample ID: LCS-D 11-22 S	Batch ID: 6610	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/24/2006 2:02:00 PM	Prep Date: 11/22/2006						
Client ID:		Run ID: G2_061124A		SeqNo: 753721							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	96.95	10	100	0	97	43.2	135	0			

Sample ID: LCS-MO 11-19 S	Batch ID: 6598	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/22/2006 10:36:00 A	Prep Date: 11/19/2006						
Client ID:		Run ID: G2_061121C		SeqNo: 753315							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	56.93	50	100	0	56.9	43.2	135	59.04	3.63	40	

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

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

CLIENT: ICON Environmental Services
Work Order: L06110580
Project: VPSB East White Lake

Sample ID: LCSD-D 11-22 S	Batch ID: 6610	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/24/2006 2:09:00 PM	Prep Date: 11/22/2006						
Client ID:		Run ID: G2_061124A		SeqNo: 753722							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	95.3	10	100	0	95.3	43.2	135	96.95	1.72	40	

Sample ID: LCS-MO 11-22 S	Batch ID: 6610	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/24/2006 2:29:00 PM	Prep Date: 11/22/2006						
Client ID:		Run ID: G2_061124A		SeqNo: 753725							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	125.4	50	100	0	125	43.2	135	0			

Sample ID: LCSD-MO 11-22 S	Batch ID: 6610	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/24/2006 2:35:00 PM	Prep Date: 11/22/2006						
Client ID:		Run ID: G2_061124A		SeqNo: 753726							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	117.4	50	100	0	117	43.2	135	125.4	6.65	40	

Sample ID: LCS LOT # 06D28	Batch ID: 6612	Test Code: 29B	Units: ppm	Analysis Date 11/29/2006 5:12:31 PM	Prep Date:						
Client ID:		Run ID: I2-OPTIMA_061128B		SeqNo: 756985							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
True Total Barium	2.313	50	2	0	116	75	125	0			J

Sample ID: LCSD LOT # 06D2	Batch ID: 6612	Test Code: 29B	Units: ppm	Analysis Date 11/29/2006 5:16:44 PM	Prep Date:						
Client ID:		Run ID: I2-OPTIMA_061128B		SeqNo: 756986							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
True Total Barium	2.262	50	2	0	113	75	125	2.313	0	20	J

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

Sherry Laboratories - Chain of Custody Record

Laboratory Number:

Company Name: <i>ICON Environmental</i>	Billing Information: <i>SAME</i>	PO Number: <i> </i>	Page 1 of 2
Contact Name: <i>Greg Miller</i>	Quote Number: <i> </i>	Project Name/Number: <i>VPSB East White Lake</i>	Matrix Code DW = Drinking Water WW = Waste Water GW = Ground Water AQ = Aqueous SL = Sludge O = Oil F = Food NG = Natural Gas NGL = Natural Gas Liquid PW = Produced Water CF = Completion Fluid
Address: <i>1055 Convention St. 2nd floor</i>	Required QC Level: <i> </i>	Sampler's Signature: <i>Shawn Tipton</i>	
City, State Zip: <i>Baton Rouge LA 70802</i>	Ext.: <i> </i>	Shipping Method: UPS / FedEx / Airborne DHL / Sherry / Hand / Mail	
Phone Number: <i>225-344-8440</i>	Bill Monthly: <input type="checkbox"/> Yes <input type="checkbox"/> No		
Fax Number: <i> </i>			
E-mail Address: <i> </i>			

Sample ID/Description	Which Regulations Apply:		Turn Time <input type="checkbox"/> Standard <input type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	(Rush turn times will incur a surcharge and must be pre-approved by lab.)	Container		Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ SO ₃	Requested Tests						Comments		
	Collection Information				Type P=Plastic, G=Glass, V=Vial	Quantity		Chlorides	TPH-D/O	T Metals	% Moisture	Rad 226/228				
	Date	Time														
B-1 (0'-3')	<input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input type="checkbox"/> NPDES <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC	<input type="checkbox"/> Drinking Water <input type="checkbox"/> Distribution <input type="checkbox"/> Special <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Standard <input type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other		G	1	none	X	X	X	X	X	X	As, Ba, Cr		
B-1 (3'-6')					G	1	none	X	X	X	X	X	X	Sr, Zn, Cd		
B-2 (0'-3')					G	1	none	X	X	X	X	X	X	Pb		
B-2 (3'-6')					G	1	none	X	X	X	X	X	X	Metals		
B-3 (0'-3')					G	1	none	X	X	X	X	X	X	Please sub		
B-3 (3'-6')					G	1	none	X	X	X	X	X	X	Rad 226/228		
B-4 (0'-3')					G	1	none	X	X	X	X	X	X	To		
B-4 (3'-6')					G	1	none	X	X	X	X	X	X	Eberline		
B-5 (0'-6')					G	1	none	X	X	X	X	X	X			

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
<i>Shawn Tipton</i>	11/14/06 14:50	<i>SPinder</i>	11-14-06 14:50	Received at lab on ice? <input type="checkbox"/> Yes <input type="checkbox"/> No Temp: <i> </i>

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

Sherry Laboratories - Chain of Custody Record

Laboratory Number:

Client Information:		Billing Information:		PO Number:		Project Name/Number:		Page 2 of 2	
ICON		SAME				VPSB		Matrix Code	
Greg Miller				Quote Number:		East White Lake		DW = Drinking Water	
1055 Convention				Required QC Level		Sampler's Signature		WW = Waste Water	
2nd Floor				Bill Monthly		<i>Shawn Ledberg</i>		GW = Ground Water	
Baton Rouge LA 70802		Ext:		<input type="checkbox"/> Yes		Shipping Method:		AQ = Aqueous	
205-344-8490				<input type="checkbox"/> No		UPS / FedEx / Airborne		SL = Sludge	
						DHL / Sherry / Hand / Mail		O = Oil	
								F = Food	
								NG = Natural Gas	
								NGL = Natural Gas Liquid	
								PW = Produced Water	
								CF = Completion Fluid	

Sample ID/Description	Which Regulations Apply:		Turn Time <input type="checkbox"/> Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	(Rush turn times will incur a surcharge and must be pre-approved by lab.)	Quantity	Container Type P=Plastic, G=Glass, V=Vial	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₈	Requested Tests				Comments		
	Collection Information							Chlorides	EC	T PH-D/O	T Metals		% Moisture	Rad 936/938
	Date	Time												
B-13 (0'-3')	11/13/06	1515	Grab	SL	1	G	none	X	X	X	X	X	As Ba Cu	
B-13 (3'-6')	11/13/06	1515	Grab	SL	1	G	none	X	X	X	X	X	Sr Zn Cd	
B-14 (0'-3')	11/13/06	1500	Grab	SL	1	G	none	X	X	X	X	X	Pb	
B-14 (3'-6')	11/13/06	1505	Grab	SL	1	G	none	X	X	X	X	X	(Metals)	
B-15 (0'-6')	11/13/06	1420	Grab	SL	1	G	none	X	X	X	X	X	Please sub Rad 936/938 to Eperline SL	

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
<i>Shawn Ledberg</i>	11-14-06 1450	<i>AP Brindley</i>	11-14-06 1450	Received at lab on ice?
				<input type="checkbox"/> Yes <input type="checkbox"/> No Temp:

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

9301 Innovation Drive
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Wt



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Greg Miller
ICON Environmental Services
1055 Convention Street, 2nd Floor
Baton Rouge, LA 708024771
TEL: (225) 344-8490
FAX (225) 344-6654

January 29, 2007
Order No.: L06110375

AB1
AB2-AB4
AB5-AB7

RE: White Lake

Dear Greg Miller:

Sherry Laboratories/Louisiana received 31 samples on 11/8/2006 for the analyses presented in the following report.

In accordance with your instructions, Sherry Laboratories/Louisiana conducted the analysis shown on the following pages on samples submitted by your company. The results related only to the items tested. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet all requirements of NELAC. All relevant sampling information is on the attached Chain-of-Custody form. A "#" by the test method indicates this parameter is outside the scope of accreditation.

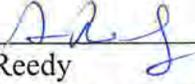
All soil samples except 29-B data are on a wet-weight basis unless otherwise indicated.

Louisiana Certification/Accreditation: 01997

A scope of Certified/Accredited parameters is available upon request.

If you have any questions regarding these test results, please feel free to call.

Sincerely,
Jerry Landry
Laboratory Director

Approved By: 
Annie Reedy
Assistant Laboratory Director

Total Pages in this Report 76

2417 West Pinhook Road
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(337) 235-0483

P O Box 81816
Lafayette LA 70598-1816
Fax: (337) 233-6540
(800) 737-2378

Date: 29-Jan-07

CLIENT: ICON Environmental Services
Project: White Lake
Lab Order: L06110375

CASE NARRATIVE

Unless specified by the client, a duplicate or MS/MSD, wherever applicable, is randomly selected and analyzed from each analytical batch provided sample volume is sufficient. The sample chosen for duplicate or MS/MSD may or may not be a sample submitted in this workorder. A method blank and/or a lab control sample (LCS)/lab control sample duplicate (LCSD), wherever applicable, are processed as a quality control check for each analytical batch. When the matrix QC data is not available due to insufficient sample volume or when the results indicate possible matrix effect, the validity of the batch is determined by the method blank and LCS/LCSD.

Chlorides was analyzed outside of the holding time for all soil samples.

Any other exceptions associated with this report will be footnoted in the results page(s) or the QC summary page(s).

The Leachable Chloride samples were prepared by Sherry Laboratories and analyzed by Southern Petroleum Laboratories - Lafayette. Their report is attached in its entirety.



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CLIENT: ICON Environmental Services

Lab Order: L06110375

Project: White Lake

Date Received: 11/8/2006

Date Reported: 24-Jan-07

Lab ID L06110375-26 **Collection Date:** 10/30/2006 10:22:00 A **Sample ID:** AB1 (6-8)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP	SW6010B					STS
Arsenic	4.91	0.999		mg/Kg-dry	11/14/2006 8:01:16 PM	
Barium	78.4	2.00		mg/Kg-dry	11/14/2006 8:01:16 PM	
Cadmium	0.193	0.0999		mg/Kg-dry	11/14/2006 8:01:16 PM	
Lead	15.3	0.499		mg/Kg-dry	11/14/2006 8:01:16 PM	
Selenium	< 2.00	2.00		mg/Kg-dry	11/14/2006 8:01:16 PM	
Sodium	1,680	99.9		mg/Kg-dry	11/16/2006 6:55:39 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	85.6	30-148		%REC	11/15/2006 6:12:00 PM	
SOLUBLE CHLORIDE	M4500-CL B					SP
Chlorides	2,700	400	H	mg/Kg-dry	12/6/2006 11:20:00 AM	
ELECTRICAL CONDUCTIVITY	29B					AG
Electrical Conductivity	7.16	0.100		mmhos/cm	11/15/2006 2:00:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE	29B					MB
Exchangeable Sodium %	8.04	0.100		%	12/5/2006 8:19:00 PM	
MERCURY IN SOIL OR SLUDGE	SW7471A					MB
Mercury	0.0750	0.0500		mg/Kg-dry	11/14/2006 9:03:00 PM	
PERCENT SOLIDS	SW9071B					AG
Percent Solids	49.9	0.0100		wt%	11/8/2006	
SODIUM ADSORPTION RATIO	29B					STS
Sodium Adsorption Ratio	12.8	0.100		meq	11/16/2006 2:37:47 PM	
Soluble Calcium	10.2	1.00		meq	11/16/2006 2:37:47 PM	
Soluble Magnesium	26.6	1.00		meq	11/16/2006 2:37:47 PM	
Soluble Sodium	55.0	1.00		meq	11/16/2006 2:37:47 PM	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/15/2006 6:12:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/15/2006 6:12:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110375

Project: White Lake

Date Received: 11/8/2006

Date Reported: 24-Jan-07

Lab ID L06110375-28 **Collection Date:** 10/30/2006 11:47:00 A **Sample ID:** AB1 (22-24)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	M4500-CL B 225	40.0	H	mg/Kg-dry	12/6/2006 11:20:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29B 1.47	0.100		mmhos/cm	11/15/2006 2:50:00 PM	AG
PERCENT SOLIDS Percent Solids	SW9071B 70.1	0.0100		wt%	11/8/2006	AG

Qualifiers:

- +DO - Diluted out due to dilution
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110375

Project: White Lake

Date Received: 11/8/2006

Date Reported: 24-Jan-07

Lab ID L06110375-29 **Collection Date:** 10/30/2006 1:07:00 P **Sample ID:** AB1 (30-32)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	M4500-CL B 115	40.0	H	mg/Kg-dry	12/6/2006 11:20:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29B 1.04	0.100		mmhos/cm	11/15/2006 2:50:00 PM	AG
PERCENT SOLIDS Percent Solids	SW9071B 66.4	0.0100		wt%	11/8/2006	AG

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110375

Project: White Lake

Date Received: 11/8/2006

Date Reported: 24-Jan-07

Lab ID L06110375-30 **Collection Date:** 10/30/2006 1:56:00 P **Sample ID:** AB1 (34-36)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	M4500-CL B 140	20.0	H	mg/Kg-dry	12/6/2006 11:20:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29B 0.900	0.100		mmhos/cm	11/15/2006 2:50:00 PM	AG
PERCENT SOLIDS Percent Solids	SW9071B 75.2	0.0100		wt%	11/8/2006	AG

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110375

Date Received: 11/8/2006

Project: White Lake

Date Reported: 24-Jan-07

Lab ID L06110375-31 **Collection Date:** 10/30/2006 2:43:00 P **Sample ID:** AB1 (40-42)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	M4500-CL B 170	40.0	H	mg/Kg-dry	12/6/2006 11:20:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29B 2.01	0.100		mmhos/cm	11/15/2006 2:00:00 PM	AG
PERCENT SOLIDS Percent Solids	SW9071B 72.7	0.0100		wt%	11/8/2006	AG

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110375

Project: White Lake

Date Received: 11/8/2006

Date Reported: 24-Jan-07

Lab ID L06110375-21 **Collection Date:** 10/31/2006 10:20:00 A **Sample ID:** AB2 (4-6)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						
	SW6010B					STS
Arsenic	6.35	0.998		mg/Kg-dry	11/14/2006 7:52:38 PM	
Barium	67.2	2.00		mg/Kg-dry	11/14/2006 7:52:38 PM	
Cadmium	0.112	0.0998		mg/Kg-dry	11/14/2006 7:52:38 PM	
Lead	12.9	0.499		mg/Kg-dry	11/14/2006 7:52:38 PM	
Selenium	< 2.00	2.00		mg/Kg-dry	11/14/2006 7:52:38 PM	
Sodium	1,150	99.8		mg/Kg-dry	11/16/2006 6:41:42 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)						
Surr: n-Pentacosane	87.2	30-148		%REC	11/15/2006 5:59:00 PM	SBH
SOLUBLE CHLORIDE						
Chlorides	M4500-CL B					SP
	880	80.0	H	mg/Kg-dry	12/6/2006 11:20:00 AM	
ELECTRICAL CONDUCTIVITY						
Electrical Conductivity	29B					AG
	4.88	0.100		mmhos/cm	11/15/2006 2:50:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE						
Exchangeable Sodium %	29B					MB
	15.7	0.100		%	12/5/2006 8:19:00 PM	
MERCURY IN SOIL OR SLUDGE						
Mercury	SW7471A					MB
	< 0.0500	0.0500		mg/Kg-dry	11/14/2006 9:03:00 PM	
PERCENT SOLIDS						
Percent Solids	SW9071B					AG
	55.0	0.0100		wt%	11/8/2006	
SODIUM ADSORPTION RATIO						
Sodium Adsorption Ratio	29B					STS
	8.62	0.100		meq	11/16/2006 2:37:47 PM	
Soluble Calcium	9.45	1.00		meq	11/16/2006 2:37:47 PM	
Soluble Magnesium	25.1	1.00		meq	11/16/2006 2:37:47 PM	
Soluble Sodium	35.8	1.00		meq	11/16/2006 2:37:47 PM	
TPH BY GC/FID						
TPH (Diesel Range)	SW8015B					SBH
	< 10.0	10.0		mg/Kg	11/15/2006 5:59:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/15/2006 5:59:00 PM	

Qualifiers: +DO - Diluted out due to dilution. S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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Lab Order: L06110375

Project: White Lake

Date Received: 11/8/2006

Date Reported: 24-Jan-07

Lab ID L06110375-22 **Collection Date:** 10/31/2006 10:49:00 A **Sample ID:** AB2 (10-12)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP	SW6010B					STS
Arsenic	8.50	0.995		mg/Kg-dry	11/14/2006 7:56:58 PM	
Barium	125	1.99		mg/Kg-dry	11/14/2006 7:56:58 PM	
Cadmium	0.176	0.0995		mg/Kg-dry	11/14/2006 7:56:58 PM	
Lead	14.1	0.498		mg/Kg-dry	11/14/2006 7:56:58 PM	
Selenium	< 1.99	1.99		mg/Kg-dry	11/14/2006 7:56:58 PM	
Sodium	1,280	99.5		mg/Kg-dry	11/16/2006 6:52:13 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	88.8	30-148		%REC	11/15/2006 6:05:00 PM	
SOLUBLE CHLORIDE	M4500-CL B					SP
Chlorides	960	80.0	H	mg/Kg-dry	12/6/2006 11:20:00 AM	
ELECTRICAL CONDUCTIVITY	29B					AG
Electrical Conductivity	4.64	0.100		mmhos/cm	11/15/2006 2:00:00 PM	
MERCURY IN SOIL OR SLUDGE	SW7471A					MB
Mercury	< 0.0500	0.0500		mg/Kg-dry	11/14/2006 9:03:00 PM	
PERCENT SOLIDS	SW9071B					AG
Percent Solids	59.8	0.0100		wt%	11/8/2006	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/15/2006 6:05:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/15/2006 6:05:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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Lab Order: L06110375

Date Received: 11/8/2006

Project: White Lake

Date Reported: 24-Jan-07

Lab ID L06110375-23 **Collection Date:** 10/31/2006 11:03:00 A **Sample ID:** AB2 (14-16)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	M4500-CL B 2,300	400	H	mg/Kg-dry	12/6/2006 11:20:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29B 7.18	0.100		mmhos/cm	11/15/2006 2:50:00 PM	AG
PERCENT SOLIDS Percent Solids	SW9071B 33.6	0.0100		wt%	11/8/2006	AG

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110375

Date Received: 11/8/2006

Project: White Lake

Date Reported: 24-Jan-07

Lab ID L06110375-24 **Collection Date:** 10/31/2006 11:31:00 A **Sample ID:** AB2 (18-20)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	M4500-CL B 180	80.0	H	mg/Kg-dry	12/6/2006 11:20:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29B 0.579	0.100		mmhos/cm	11/15/2006 2:50:00 PM	AG
PERCENT SOLIDS Percent Solids	SW9071B 77.0	0.0100		wt%	11/8/2006	AG

- | | | |
|--------------------|---|---|
| Qualifiers: | +DO - Diluted out due to dilution | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | MI+ - Matrix Interference |
| | * - Value exceeds MCL or Permit Limitation | H - Exceeds Holding Time |



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CLIENT: ICON Environmental Services

Lab Order: L06110375

Project: White Lake

Date Received: 11/8/2006

Date Reported: 24-Jan-07

Lab ID L06110375-25 **Collection Date:** 10/31/2006 11:52:00 A **Sample ID:** AB2 (22-24)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	M4500-CL B 140	80.0	H	mg/Kg-dry	12/6/2006 11:20:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29B 0.348	0.100		mmhos/cm	11/15/2006 2:50:00 PM	AG
PERCENT SOLIDS Percent Solids	SW9071B 67.5	0.0100		wt%	11/8/2006	AG

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110375

Project: White Lake

Date Received: 11/8/2006

Date Reported: 24-Jan-07

Lab ID L06110375-13 **Collection Date:** 10/31/2006 3:09:00 P **Sample ID:** AB3 (8-10)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP	SW6010B					STS
Arsenic	5.74	0.994		mg/Kg-dry	11/14/2006 7:30:03 PM	
Barium	93.3	1.99		mg/Kg-dry	11/14/2006 7:30:03 PM	
Cadmium	0.190	0.0994		mg/Kg-dry	11/14/2006 7:30:03 PM	
Lead	13.1	0.497		mg/Kg-dry	11/14/2006 7:30:03 PM	
Selenium	< 1.99	1.99		mg/Kg-dry	11/14/2006 7:30:03 PM	
Sodium	1,120	99.4		mg/Kg-dry	11/16/2006 6:31:27 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	87.3	30-148		%REC	11/15/2006 10:16:00 AM	
SOLUBLE CHLORIDE	M4500-CL B					SP
Chlorides	1,530	80.0	H	mg/Kg-dry	12/6/2006 10:10:00 AM	
ELECTRICAL CONDUCTIVITY	29B					AG
Electrical Conductivity	6.23	0.100		mmhos/cm	11/15/2006 2:00:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE	29B					MB
Exchangeable Sodium %	4.11	0.100		%	11/22/2006 3:15:00 PM	
MERCURY IN SOIL OR SLUDGE	SW7471A					MB
Mercury	< 0.0500	0.0500		mg/Kg-dry	11/14/2006 9:03:00 PM	
PERCENT SOLIDS	SW9071B					AG
Percent Solids	47.4	0.0100		wt%	11/8/2006	
SODIUM ADSORPTION RATIO	29B					STS
Sodium Adsorption Ratio	9.49	0.100		meq	11/16/2006 2:37:47 PM	
Soluble Calcium	10.6	1.00		meq	11/16/2006 2:37:47 PM	
Soluble Magnesium	27.8	1.00		meq	11/16/2006 2:37:47 PM	
Soluble Sodium	41.6	1.00		meq	11/16/2006 2:37:47 PM	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/15/2006 10:16:00 AM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/15/2006 10:16:00 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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Lab Order: L06110375

Project: White Lake

Date Received: 11/8/2006

Date Reported: 24-Jan-07

Lab ID L06110375-14 **Collection Date:** 10/31/2006 3:27:00 P **Sample ID:** AB3 (14-16)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	M4500-CL B 620	80.0	H	mg/Kg-dry	12/6/2006 10:10:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29B 3.04	0.100		mmhos/cm	11/15/2006 2:00:00 PM	AG
PERCENT SOLIDS Percent Solids	SW9071B 60.5	0.0100		wt%	11/8/2006	AG

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110375

Project: White Lake

Date Received: 11/8/2006

Date Reported: 29-Jan-07

Lab ID: L06110375-15 **Collection Date:** 11/1/2006 8:33:00 AM **Sample ID:** AB3 (18-20)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	170	M4500-CL B 20.0	H	mg/Kg-dry	12/6/2006 10:10:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	0.890	29B 0.100		mmhos/cm	11/15/2006 2:00:00 PM	AG
PERCENT SOLIDS Percent Solids	69.8	SW9071B 0.0100		wt%	11/8/2006	AG

- | | | |
|--------------------|---|---|
| Qualifiers: | +DO - Diluted out due to dilution | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | MI+ - Matrix Interference |
| | * - Value exceeds MCL or Permit Limitation | H - Exceeds Holding Time |



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CLIENT: ICON Environmental Services

Lab Order: L06110375

Project: White Lake

Date Received: 11/8/2006

Date Reported: 24-Jan-07

Lab ID L06110375-16 **Collection Date:** 11/1/2006 11:37:00 A **Sample ID:** AB4 (4-6)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP	SW6010B					STS
Arsenic	3.99	0.997		mg/Kg-dry	11/14/2006 7:43:26 PM	
Barium	80.2	1.99		mg/Kg-dry	11/14/2006 7:43:26 PM	
Cadmium	0.124	0.0997		mg/Kg-dry	11/14/2006 7:43:26 PM	
Lead	12.7	0.499		mg/Kg-dry	11/14/2006 7:43:26 PM	
Selenium	< 1.99	1.99		mg/Kg-dry	11/14/2006 7:43:26 PM	
Sodium	3,500	99.7		mg/Kg-dry	11/16/2006 6:34:52 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	89.9	30-148		%REC	11/15/2006 10:22:00 AM	
SOLUBLE CHLORIDE	M4500-CL B					SP
Chlorides	3,650	400	H	mg/Kg-dry	12/6/2006 10:10:00 AM	
ELECTRICAL CONDUCTIVITY	29B					AG
Electrical Conductivity	7.98	0.100		mmhos/cm	11/15/2006 2:50:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE	29B					MB
Exchangeable Sodium %	17.1	0.100		%	12/5/2006 8:19:00 PM	
MERCURY IN SOIL OR SLUDGE	SW7471A					MB
Mercury	< 0.0500	0.0500		mg/Kg-dry	11/14/2006 9:03:00 PM	
PERCENT SOLIDS	SW9071B					AG
Percent Solids	32.6	0.0100		wt%	11/8/2006	
SODIUM ADSORPTION RATIO	29B					STS
Sodium Adsorption Ratio	13.2	0.100		meq	11/16/2006 2:37:47 PM	
Soluble Calcium	12.5	1.00		meq	11/16/2006 2:37:47 PM	
Soluble Magnesium	35.2	1.00		meq	11/16/2006 2:37:47 PM	
Soluble Sodium	64.7	1.00		meq	11/16/2006 2:37:47 PM	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/15/2006 10:22:00 AM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/15/2006 10:22:00 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time

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CLIENT: ICON Environmental Services
Lab Order: L06110375
Project: White Lake

Date Received: 11/8/2006
Date Reported: 24-Jan-07

Lab ID L06110375-17 **Collection Date:** 11/1/2006 11:50:00 A **Sample ID:** AB4 (10-12)
Matrix: SOIL **Tag Number:**

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP	SW6010B					STS
Arsenic	2.97	0.993		mg/Kg-dry	11/14/2006 7:48:02 PM	
Barium	120	1.99		mg/Kg-dry	11/14/2006 7:48:02 PM	
Cadmium	0.176	0.0993		mg/Kg-dry	11/14/2006 7:48:02 PM	
Lead	9.07	0.497		mg/Kg-dry	11/14/2006 7:48:02 PM	
Selenium	< 1.99	1.99		mg/Kg-dry	11/14/2006 7:48:02 PM	
Sodium	2,760	99.3		mg/Kg-dry	11/16/2006 6:38:17 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	60.4	30-148		%REC	11/15/2006 10:29:00 AM	
SOLUBLE CHLORIDE	M4500-CL B					SP
Chlorides	2,950	400	H	mg/Kg-dry	12/6/2006 10:10:00 AM	
ELECTRICAL CONDUCTIVITY	29B					AG
Electrical Conductivity	7.92	0.100		mmhos/cm	11/15/2006 2:00:00 PM	
MERCURY IN SOIL OR SLUDGE	SW7471A					MB
Mercury	< 0.0500	0.0500		mg/Kg-dry	11/14/2006 9:03:00 PM	
PERCENT SOLIDS	SW9071B					AG
Percent Solids	31.1	0.0100		wt%	11/8/2006	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/15/2006 10:29:00 AM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/15/2006 10:29:00 AM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110375

Project: White Lake

Date Received: 11/8/2006

Date Reported: 24-Jan-07

Lab ID L06110375-19 **Collection Date:** 11/1/2006 12:30:00 P **Sample ID:** AB4 (26-28)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	60.0	M4500-CL B 40.0	H	mg/Kg-dry	12/6/2006 11:20:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	0.421	29B 0.100		mmhos/cm	11/15/2006 2:00:00 PM	AG
PERCENT SOLIDS Percent Solids	77.9	SW9071B 0.0100		wt%	11/8/2006	AG

Qualifiers:

- +DO - Diluted out due to dilution
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time



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CLIENT: ICON Environmental Services
Lab Order: L06110375
Project: White Lake

Date Received: 11/8/2006
Date Reported: 24-Jan-07

Lab ID L06110375-01 **Collection Date:** 11/2/2006 1:00:00 PM **Sample ID:** AB5 (4-6)
Matrix: SOIL **Tag Number:**

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP	SW6010B					STS
Arsenic	5.61	0.997		mg/Kg-dry	11/14/2006 6:59:23 PM	
Barium	198	1.99		mg/Kg-dry	11/14/2006 6:59:23 PM	
Cadmium	0.185	0.0997		mg/Kg-dry	11/14/2006 6:59:23 PM	
Lead	10.2	0.499		mg/Kg-dry	11/14/2006 6:59:23 PM	
Selenium	< 1.99	1.99		mg/Kg-dry	11/14/2006 6:59:23 PM	
Sodium	4,710	99.7		mg/Kg-dry	11/16/2006 6:00:21 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	75.7	30-148		%REC	11/16/2006 9:26:00 AM	
SOLUBLE CHLORIDE	M4500-CL B					SP
Chlorides	6,700	400	H	mg/Kg-dry	12/6/2006 10:10:00 AM	
ELECTRICAL CONDUCTIVITY	29B					AG
Electrical Conductivity	16.6	0.100		mmhos/cm	11/15/2006 2:00:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE	29B					MB
Exchangeable Sodium %	15.9	0.100		%	12/5/2006 8:19:00 PM	
MERCURY IN SOIL OR SLUDGE	SW7471A					MB
Mercury	< 0.0500	0.0500		mg/Kg-dry	11/14/2006 9:03:00 PM	
PERCENT SOLIDS	SW9071B					AG
Percent Solids	36.0	0.0100		wt%	11/8/2006	
SODIUM ADSORPTION RATIO	29B					STS
Sodium Adsorption Ratio	34.7	0.100		meq	11/16/2006 2:37:47 PM	
Soluble Calcium	28.9	1.00		meq	11/16/2006 2:37:47 PM	
Soluble Magnesium	30.7	1.00		meq	11/16/2006 2:37:47 PM	
Soluble Sodium	189	1.00		meq	11/16/2006 2:37:47 PM	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	746	100		mg/Kg	11/16/2006 9:26:00 AM	
TPH (Oil Range)	481	480		mg/Kg	11/16/2006 9:26:00 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110375

Date Received: 11/8/2006

Project: White Lake

Date Reported: 24-Jan-07

Lab ID L06110375-03 **Collection Date:** 11/2/2006 1:38:00 PM **Sample ID:** AB5 (14-16)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	SW8015B 89.5	30-148		%REC	11/15/2006 9:09:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	M4500-CL B 2,000	400	H	mg/Kg-dry	12/6/2006 10:10:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29B 6.08	0.100		mmhos/cm	11/15/2006 2:00:00 PM	AG
PERCENT SOLIDS Percent Solids	SW9071B 78.6	0.0100		wt%	11/8/2006	AG
TPH BY GC/FID TPH (Diesel Range)	SW8015B < 10.0	10.0		mg/Kg	11/15/2006 9:09:00 AM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/15/2006 9:09:00 AM	

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110375

Project: White Lake

Date Received: 11/8/2006

Date Reported: 24-Jan-07

Lab ID L06110375-09 **Collection Date:** 11/3/2006 8:29:00 AM **Sample ID:** AB6 (8-10)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP	SW6010B					STS
Arsenic	12.6	0.992		mg/Kg-dry	11/14/2006 7:16:48 PM	
Barium	132	1.98		mg/Kg-dry	11/14/2006 7:16:48 PM	
Cadmium	0.199	0.0992		mg/Kg-dry	11/14/2006 7:16:48 PM	
Lead	16.3	0.496		mg/Kg-dry	11/14/2006 7:16:48 PM	
Selenium	< 1.98	1.98		mg/Kg-dry	11/14/2006 7:16:48 PM	
Sodium	3,630	99.2		mg/Kg-dry	11/16/2006 6:21:13 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	86.9	30-148		%REC	11/15/2006 9:56:00 AM	
SOLUBLE CHLORIDE	M4500-CL B					SP
Chlorides	1,150	400	H	mg/Kg-dry	12/6/2006 10:10:00 AM	
ELECTRICAL CONDUCTIVITY	29B					MB
Electrical Conductivity	3.78	0.100		mmhos/cm	11/30/2006 1:11:00 PM	
EXCHANGEABLE SODIUM PERCENTAGE	29B					MB
Exchangeable Sodium %	24.1	0.100		%	11/22/2006 3:15:00 PM	
MERCURY IN SOIL OR SLUDGE	SW7471A					MB
Mercury	< 0.0500	0.0500		mg/Kg-dry	11/14/2006 9:03:00 PM	
PERCENT SOLIDS	SW9071B					AG
Percent Solids	64.8	0.0100		wt%	11/8/2006	
SODIUM ADSORPTION RATIO	29B					STS
Sodium Adsorption Ratio	59.4	0.100		meq	12/1/2006 2:28:53 PM	
Soluble Calcium	< 1.00	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Magnesium	< 1.00	1.00		meq	12/1/2006 2:28:53 PM	
Soluble Sodium	56.7	1.00		meq	12/1/2006 2:28:53 PM	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/15/2006 9:56:00 AM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/15/2006 9:56:00 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110375

Project: White Lake

Date Received: 11/8/2006

Date Reported: 24-Jan-07

Lab ID L06110375-11 **Collection Date:** 11/3/2006 8:47:00 AM **Sample ID:** AB6 (16-18)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	M4500-CL B 320	80.0	H	mg/Kg-dry	12/6/2006 10:10:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29B 1.36	0.100		mmhos/cm	11/15/2006 2:00:00 PM	AG
PERCENT SOLIDS Percent Solids	SW9071B 80.1	0.0100		wt%	11/8/2006	AG

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110375

Project: White Lake

Date Received: 11/8/2006

Date Reported: 24-Jan-07

Lab ID L06110375-05 **Collection Date:** 11/3/2006 9:58:00 AM **Sample ID:** AB7 (6-8)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP	SW6010B					STS
Arsenic	6.34	0.991		mg/Kg-dry	11/14/2006 7:12:33 PM	
Barium	200	1.98		mg/Kg-dry	11/14/2006 7:12:33 PM	
Cadmium	0.160	0.0991		mg/Kg-dry	11/14/2006 7:12:33 PM	
Lead	12.3	0.496		mg/Kg-dry	11/14/2006 7:12:33 PM	
Selenium	< 1.98	1.98		mg/Kg-dry	11/14/2006 7:12:33 PM	
Sodium	5,900	99.1		mg/Kg-dry	11/16/2006 6:17:49 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	93.3	30-148		%REC	11/15/2006 9:16:00 AM	
SOLUBLE CHLORIDE	M4500-CL B					SP
Chlorides	2,900	400	H	mg/Kg-dry	12/6/2006 10:10:00 AM	
ELECTRICAL CONDUCTIVITY	29B					AG
Electrical Conductivity	12.4	0.100		mmhos/cm	11/15/2006 2:00:00 PM	
MERCURY IN SOIL OR SLUDGE	SW7471A					MB
Mercury	< 0.0500	0.0500		mg/Kg-dry	11/14/2006 9:03:00 PM	
PERCENT SOLIDS	SW9071B					AG
Percent Solids	32.5	0.0100		wt%	11/8/2006	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	11/15/2006 9:16:00 AM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	11/15/2006 9:16:00 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110375

Project: White Lake

Date Received: 11/8/2006

Date Reported: 24-Jan-07

Lab ID L06110375-07 **Collection Date:** 11/3/2006 10:17:00 A **Sample ID:** AB7 (14-16)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	M4500-CL B 320	80.0	H	mg/Kg-dry	12/6/2006 10:10:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29B 2.33	0.100		mmhos/cm	11/15/2006 2:00:00 PM	AG
PERCENT SOLIDS Percent Solids	SW9071B 78.5	0.0100		wt%	11/8/2006	AG

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06110375

Project: White Lake

Date Received: 11/8/2006

Date Reported: 24-Jan-07

Lab ID L06110375-08 **Collection Date:** 11/3/2006 10:30:00 A **Sample ID:** AB7 (18-20)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	M4500-CL B 420	80.0	H	mg/Kg-dry	12/6/2006 10:10:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29B 2.92	0.100		mmhos/cm	11/15/2006 2:00:00 PM	AG
PERCENT SOLIDS Percent Solids	SW9071B 75.1	0.0100		wt%	11/8/2006	AG

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

Sherry Laboratories/Louisiana

Date: 29-Jan-07

CLIENT: ICON Environmental Services
 Work Order: L06110375
 Project: White Lake

QC SUMMARY REPORT
 Method Blank

Sample ID: MBLK	Batch ID: 6567	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/14/2006 6:18:53 PM	Prep Date:						
Client ID:	Run ID: I2-OPTIMA_061114C	SeqNo: 749288									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.010	0.010									
Barium	< 0.020	0.020									
Cadmium	< 0.0010	0.0010									
Lead	< 0.0050	0.0050									
Selenium	< 0.020	0.020									

Sample ID: MBLK	Batch ID: 6567	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/16/2006 5:49:50 PM	Prep Date:						
Client ID:	Run ID: I2-OPTIMA_061116B	SeqNo: 751077									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	< 1.0	1.0									

Sample ID: BLK 11-10S	Batch ID: 6562	Test Code: SW8015B	Units: %	Analysis Date 11/15/2006 8:16:00 AM	Prep Date: 11/10/2006						
Client ID:	Run ID: G2_061114D	SeqNo: 749514									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	455.6	0	500	0	91.1	30	148	0			

Sample ID: BLK 11-9 S	Batch ID: 6561	Test Code: SW8015B	Units: %	Analysis Date 11/15/2006 3:55:00 PM	Prep Date: 11/9/2006						
Client ID:	Run ID: G2_061114G	SeqNo: 749845									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	441.5	0	500	0	88.3	30	148	0			

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

Sherry Laboratories/Louisiana

Date: 29-Jan-07

CLIENT: ICON Environmental Services
 Work Order: L06110375
 Project: White Lake

QC SUMMARY REPORT

Sample Duplicate

Sample ID: L06110351-01ADU	Batch ID: 6567	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/14/2006 6:50:00 PM	Prep Date: 11/10/2006						
Client ID:		Run ID: I2-OPTIMA_061114C		SeqNo: 749293							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	6.697	0.99	0	0	0	0	0	6.285	6.34	20	
Barium	178.2	2.0	0	0	0	0	0	179.3	0.596	20	
Cadmium	0.4397	0.099	0	0	0	0	0	0.4482	1.92	20	
Lead	21.3	0.50	0	0	0	0	0	21.38	0.334	20	
Selenium	<2.0	2.0	0	0	0	0	0	0	0	20	

Sample ID: L06110375-27ADU	Batch ID: 6567	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/14/2006 8:14:59 PM	Prep Date: 11/10/2006						
Client ID: AB1 (12-14)		Run ID: I2-OPTIMA_061114C		SeqNo: 749310							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	5.184	0.99	0	0	0	0	0	4.383	16.7	20	
Barium	166	2.0	0	0	0	0	0	184.1	10.4	20	
Cadmium	0.1938	0.099	0	0	0	0	0	0.1261	42.3	20	R
Lead	13.63	0.50	0	0	0	0	0	15.99	16	20	
Selenium	<2.0	2.0	0	0	0	0	0	0	0	20	

Sample ID: L06110375-27ADU	Batch ID: 6567	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/16/2006 7:05:57 PM	Prep Date: 11/10/2006						
Client ID: AB1 (12-14)		Run ID: I2-OPTIMA_061116B		SeqNo: 751095							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	796.3	99	0	0	0	0	0	1203	40.7	20	R

Sample ID: L06110351-01ADU	Batch ID: R49891	Test Code: 29B	Units: mmhos/cm	Analysis Date 11/15/2006 2:00:00 PM	Prep Date:						
Client ID:		Run ID: MAN1-WC_061115C		SeqNo: 749755							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	1.38	0.10	0	0	0	0	0	1.23	11.5	20	

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

CLIENT: ICON Environmental Services
 Work Order: L06110375
 Project: White Lake

QC SUMMARY REPORT

Sample Duplicate

Sample ID: L06110375-18ADU Batch ID: R49891 Test Code: 29B Units: mmhos/cm Analysis Date 11/15/2006 2:00:00 PM Prep Date:
 Client ID: AB4 (18-20) Run ID: MAN1-WC_061115C SeqNo: 749756

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	0.763	0.10	0	0	0	0	0	0.855	11.4	20	

Sample ID: L06110375-27ADU Batch ID: R49892 Test Code: 29B Units: mmhos/cm Analysis Date 11/15/2006 2:50:00 PM Prep Date:
 Client ID: AB1 (12-14) Run ID: MAN1-WC_061115D SeqNo: 749773

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	3.84	0.10	0	0	0	0	0	4.03	4.83	20	

Sample ID: L06110322-01ADU Batch ID: R49892 Test Code: 29B Units: mmhos/cm Analysis Date 11/15/2006 2:50:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061115D SeqNo: 749774

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	0.257	0.10	0	0	0	0	0	0.354	31.8	20	R

Sample ID: L06110580-14ADU Batch ID: R50259 Test Code: 29B Units: mmhos/cm Analysis Date 11/30/2006 1:11:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_061130E SeqNo: 757486

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	56.5	0.50	0	0	0	0	0	59.5	5.17	20	

Sample ID: L06110555-01ADU Batch ID: R50061 Test Code: 29B Units: % Analysis Date 11/22/2006 3:15:00 PM Prep Date:
 Client ID: Run ID: AA2_061122A SeqNo: 753365

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Exchangeable Sodium %	1.77	0.10	0	0	0	0	0	1.41	22.6	20	R

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

QC SUMMARY REPORT

Sample Duplicate

CLIENT: ICON Environmental Services
 Work Order: L06110375
 Project: White Lake

Sample ID: L06110186-01ADU Batch ID: R50061 Test Code: 29B Units: % Analysis Date 11/22/2006 3:15:00 PM Prep Date:
 Client ID: Run ID: AA2_061122A SeqNo: 755841

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Exchangeable Sodium %	2.07	0.10	0	0	0	0	0	2.03	1.95	20	

Sample ID: L06110351-01ADU Batch ID: R50061 Test Code: 29B Units: % Analysis Date 11/22/2006 3:15:00 PM Prep Date:
 Client ID: Run ID: AA2_061122A SeqNo: 755842

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Exchangeable Sodium %	0.5	0.10	0	0	0	0	0	0	0	20	

Sample ID: L06110547-12ADU Batch ID: R50417 Test Code: 29B Units: % Analysis Date 12/5/2006 8:19:00 PM Prep Date:
 Client ID: Run ID: AA2_061205A SeqNo: 760085

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Exchangeable Sodium %	21.78	0.10	0	0	0	0	0	16	30.6	20	R

Sample ID: L06110623-04ADU Batch ID: R50417 Test Code: 29B Units: % Analysis Date 12/5/2006 8:19:00 PM Prep Date:
 Client ID: Run ID: AA2_061205A SeqNo: 760086

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Exchangeable Sodium %	15.58	0.10	0	0	0	0	0	15.18	2.6	20	

Sample ID: L06110739-01ADU Batch ID: R50417 Test Code: 29B Units: % Analysis Date 12/5/2006 8:19:00 PM Prep Date:
 Client ID: Run ID: AA2_061205A SeqNo: 760088

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Exchangeable Sodium %	2.58	0.10	0	0	0	0	0	2.52	2.35	20	

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

CLIENT: ICON Environmental Services
 Work Order: L06110375
 Project: White Lake

QC SUMMARY REPORT

Sample Duplicate

Sample ID: L06110375-18ADU Batch ID: R49783 Test Code: SW9071B Units: wt% Analysis Date 11/8/2006 Prep Date:
 Client ID: AB4 (18-20) Run ID: MAN1-WC_061108K SeqNo: 747698

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Solids	78.8	0.010	0	0	0	0	0	78.3	0.637	20	

Sample ID: L06110375-27ADU Batch ID: R49783 Test Code: SW9071B Units: wt% Analysis Date 11/8/2006 Prep Date:
 Client ID: AB1 (12-14) Run ID: MAN1-WC_061108K SeqNo: 747699

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Solids	68.3	0.010	0	0	0	0	0	62.2	9.35	20	

Sample ID: L06110351-01ADU Batch ID: R50240 Test Code: 29B Units: meq Analysis Date 11/16/2006 2:37:47 PM Prep Date:
 Client ID: Run ID: I2-OPTIMA_061116C SeqNo: 757241

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium Adsorption Ratio	1.12	0.10	0	0	0	0	0	1.08	3.64	20	
Soluble Calcium	8.71	1.0	0	0	0	0	0	7.64	13.1	20	
Soluble Magnesium	3.95	1.0	0	0	0	0	0	2.62	40.5	20	R
Soluble Sodium	2.82	1.0	0	0	0	0	0	2.44	14.4	20	

Sample ID: L06110739-01ADU Batch ID: R50521 Test Code: 29B Units: meq Analysis Date 12/1/2006 2:28:53 PM Prep Date:
 Client ID: Run ID: I2-OPTIMA_061201B SeqNo: 767780

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium Adsorption Ratio	1.57	0.10	0	0	0	0	0	1.57	0	20	
Soluble Calcium	11.38	1.0	0	0	0	0	0	11.72	2.94	20	
Soluble Magnesium	2.44	1.0	0	0	0	0	0	2.43	0.411	20	
Soluble Sodium	4.13	1.0	0	0	0	0	0	4.17	0.964	20	

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

QC SUMMARY REPORT

Sample Duplicate

CLIENT: ICON Environmental Services
 Work Order: L06110375
 Project: White Lake

Sample ID: L06110598-10ADU	Batch ID: R50521	Test Code: 29B	Units: meq	Analysis Date 12/1/2006 2:28:53 PM	Prep Date:						
Client ID:	Run ID: I2-OPTIMA_061201B	SeqNo: 770409									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium Adsorption Ratio	4.29	0.10	0	0	0	0	0	4.33	0.928	20	
Soluble Calcium	9.8	1.0	0	0	0	0	0	9.52	2.9	20	
Soluble Magnesium	3.68	1.0	0	0	0	0	0	3.64	1.09	20	
Soluble Sodium	11.12	1.0	0	0	0	0	0	11.11	0.09	20	

Sample ID: L06110598-35ADU	Batch ID: R50521	Test Code: 29B	Units: meq	Analysis Date 12/1/2006 2:28:53 PM	Prep Date:						
Client ID:	Run ID: I2-OPTIMA_061201B	SeqNo: 770625									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium Adsorption Ratio	48.07	0.10	0	0	0	0	0	42.4	12.5	20	
Soluble Calcium	13.88	1.0	0	0	0	0	0	18.13	26.6	20	R
Soluble Magnesium	7.01	1.0	0	0	0	0	0	8.81	22.8	20	R
Soluble Sodium	155.3	1.0	0	0	0	0	0	155.6	0.167	20	

Sample ID: L06110695-16ADU	Batch ID: R50521	Test Code: 29B	Units: meq	Analysis Date 12/1/2006 2:28:53 PM	Prep Date:						
Client ID:	Run ID: I2-OPTIMA_061201B	SeqNo: 770636									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium Adsorption Ratio	70.09	0.10	0	0	0	0	0	71.95	2.62	20	
Soluble Calcium	44.9	1.0	0	0	0	0	0	38.08	16.4	20	
Soluble Magnesium	12.48	1.0	0	0	0	0	0	10.66	15.7	20	
Soluble Sodium	375.4	1.0	0	0	0	0	0	355.2	5.54	20	

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

CLIENT: ICON Environmental Services

Work Order: L06110375

Project: White Lake

QC SUMMARY REPORT

Sample Duplicate

Sample ID: L06110695-29ADU Batch ID: R50521 Test Code: 29B Units: meq Analysis Date 12/1/2006 2:28:53 PM Prep Date:

Client ID: Run ID: I2-OPTIMA_061201B SeqNo: 770637

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium Adsorption Ratio	1.56	0.10	0	0	0	0	0	1.56	0	20	
Soluble Calcium	14.87	1.0	0	0	0	0	0	15.14	1.8	20	
Soluble Magnesium	5.37	1.0	0	0	0	0	0	5.41	0.742	20	
Soluble Sodium	4.97	1.0	0	0	0	0	0	5	0.602	20	

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

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

Sherry Laboratories/Louisiana

Date: 29-Jan-07

CLIENT: ICON Environmental Services
 Work Order: L06110375
 Project: White Lake

QC SUMMARY REPORT
 Sample Matrix Spike

Sample ID: L06110351-01AMS	Batch ID: 6567	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/14/2006 6:36:55 PM	Prep Date: 11/10/2006						
Client ID:	Run ID: I2-OPTIMA_061114C	SeqNo: 749292									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	60.71	0.99	49.56	6.285	110	75	125	0			
Barium	240.4	2.0	49.56	179.3	123	75	125	0			
Cadmium	54.23	0.099	49.56	0.4482	109	75	125	0			
Lead	74.95	0.50	49.56	21.38	108	75	125	0			
Selenium	39.5	2.0	49.56	0	79.7	75	125	0			

Sample ID: L06110351-01AMS	Batch ID: 6567	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/14/2006 6:54:37 PM	Prep Date: 11/10/2006						
Client ID:	Run ID: I2-OPTIMA_061114C	SeqNo: 749294									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	59.68	0.99	49.53	6.697	107	75	125	60.71	1.72	20	
Barium	244	2.0	49.53	178.2	133	75	125	240.4	1.49	20	S
Cadmium	52.94	0.099	49.53	0.4397	106	75	125	54.23	2.41	20	
Lead	71.07	0.50	49.53	21.3	100	75	125	74.95	5.32	20	
Selenium	34.04	2.0	49.53	0	68.7	75	125	39.5	14.8	20	S

Sample ID: L06110375-27AMS	Batch ID: 6567	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/14/2006 8:10:11 PM	Prep Date: 11/10/2006						
Client ID: AB1 (12-14)	Run ID: I2-OPTIMA_061114C	SeqNo: 749309									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	60.43	0.99	49.67	4.383	113	75	125	0			
Barium	229.5	2.0	49.67	184.1	91.3	75	125	0			
Cadmium	52.38	0.099	49.67	0.1261	105	75	125	0			
Lead	68.73	0.50	49.67	15.99	106	75	125	0			
Selenium	41.91	2.0	49.67	0	84.4	75	125	0			

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

CLIENT: ICON Environmental Services
 Work Order: L06110375
 Project: White Lake

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID: L06110375-27AMS	Batch ID: 6567	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/14/2006 8:19:19 PM	Prep Date: 11/10/2006				
Client ID: AB1 (12-14)	Run ID: I2-OPTIMA_061114C	PQL	SPK value	SPK Ref Val	SeqNo: 749311				
Analyte	Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arsenic	59.09	109	49.64	5.184	75	125	60.43	2.25	20
Barium	232.9	135	49.64	166	75	125	229.5	1.47	20
Cadmium	53.87	108	49.64	0.1938	75	125	52.38	2.81	20
Lead	68.51	111	49.64	13.63	75	125	68.73	0.331	20
Selenium	44.12	88.9	49.64	0	75	125	41.91	5.12	20

Sample ID: L06110375-27AMS	Batch ID: 6567	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/16/2006 7:02:32 PM	Prep Date: 11/10/2006				
Client ID: AB1 (12-14)	Run ID: I2-OPTIMA_061116B	PQL	SPK value	SPK Ref Val	SeqNo: 751094				
Analyte	Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Sodium	866.5	-677	49.67	1203	75	125	0		S

Sample ID: L06110375-27AMS	Batch ID: 6567	Test Code: SW6010B	Units: mg/Kg-dry	Analysis Date 11/16/2006 7:09:21 PM	Prep Date: 11/10/2006				
Client ID: AB1 (12-14)	Run ID: I2-OPTIMA_061116B	PQL	SPK value	SPK Ref Val	SeqNo: 751096				
Analyte	Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Sodium	752	-89.4	49.64	796.3	75	125	866.5	14.2	20

Sample ID: L06110171-02AMS	Batch ID: 6562	Test Code: SW8015B	Units: %	Analysis Date 11/15/2006 7:30:00 AM	Prep Date: 11/10/2006				
Client ID:	Run ID: G2_061114D	PQL	SPK value	SPK Ref Val	SeqNo: 749508				
Analyte	Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Surr: n-Pentacosane	452.8	90.6	500	0	30	148	0		

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

CLIENT: ICON Environmental Services

Work Order: L06110375

Project: White Lake

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID: L06110171-02AMS Batch ID: 6562 Test Code: SW8015B Units: % Analysis Date 11/15/2006 7:36:00 AM Prep Date: 11/10/2006
 Client ID: Run ID: G2_061114D SeqNo: 749509

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	469	0	500	0	93.8	30	148	0			

Sample ID: L06110171-02AMS Batch ID: 6562 Test Code: SW8015B Units: % Analysis Date 11/15/2006 7:56:00 AM Prep Date: 11/10/2006
 Client ID: Run ID: G2_061114D SeqNo: 749512

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	441.3	0	500	0	88.3	30	148	0			

Sample ID: L06110171-02AMS Batch ID: 6562 Test Code: SW8015B Units: % Analysis Date 11/15/2006 8:03:00 AM Prep Date: 11/10/2006
 Client ID: Run ID: G2_061114D SeqNo: 749513

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	485	0	500	0	97	30	148	0			

Sample ID: L06110004-01BMS Batch ID: 6561 Test Code: SW8015B Units: % Analysis Date 11/15/2006 2:46:00 PM Prep Date: 11/19/2006
 Client ID: Run ID: G2_061114G SeqNo: 749835

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	413.7	0	500	0	82.7	30	148	0			

Sample ID: L06110004-01BMS Batch ID: 6561 Test Code: SW8015B Units: % Analysis Date 11/15/2006 2:53:00 PM Prep Date: 11/19/2006
 Client ID: Run ID: G2_061114G SeqNo: 749836

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	452.7	0	500	0	90.5	30	148	413.7	9	40	

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

CLIENT: ICON Environmental Services
Work Order: L06110375
Project: White Lake

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: L06110004-06BMS Batch ID: 6561 Test Code: SW8015B Units: % Analysis Date 11/15/2006 2:59:00 PM Prep Date: 11/9/2006
 Client ID: Run ID: G2_061114G SeqNo: 749837

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	438.4	0	500	0	87.7	30	148	0			

Sample ID: L06110004-06BMS Batch ID: 6561 Test Code: SW8015B Units: % Analysis Date 11/15/2006 3:05:00 PM Prep Date: 11/9/2006
 Client ID: Run ID: G2_061114G SeqNo: 749838

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	448.1	0	500	0	89.6	30	148	438.4	2.18	40	

Sample ID: L06110004-01BMS Batch ID: 6561 Test Code: SW8015B Units: % Analysis Date 11/15/2006 3:25:00 PM Prep Date: 11/9/2006
 Client ID: Run ID: G2_061114G SeqNo: 749841

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	430.4	0	500	0	86.1	30	148	0			

Sample ID: L06110004-01BMS Batch ID: 6561 Test Code: SW8015B Units: % Analysis Date 11/15/2006 3:32:00 PM Prep Date: 11/9/2006
 Client ID: Run ID: G2_061114G SeqNo: 749842

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	463.5	0	500	0	92.7	30	148	413.7	11.4	40	

Sample ID: L06110004-06BMS Batch ID: 6561 Test Code: SW8015B Units: % Analysis Date 11/15/2006 3:38:00 PM Prep Date: 11/9/2006
 Client ID: Run ID: G2_061114G SeqNo: 749843

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	398.4	0	500	0	79.7	30	148	0			

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

CLIENT: ICON Environmental Services
Work Order: L06110375
Project: White Lake

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID: L06110004-06BMS Batch ID: 6561 Test Code: SW8015B Units: % Analysis Date 11/15/2006 3:44:00 PM Prep Date: 11/9/2006
 Client ID: AB5 (10-12) Run ID: G2_061114G SeqNo: 749844

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	446.4	0	500	0	89.3	30	148	438.4	1.81	40	

Sample ID: L06110375-02AMS Batch ID: R50388 Test Code: M4500-Cl B Units: mg/Kg-dry Analysis Date 12/6/2006 10:10:00 AM Prep Date:
 Client ID: AB5 (10-12) Run ID: MAN1-WC_061206C SeqNo: 759586

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	6800	400	5263	1950	92.2	80	120	0		20	H

Sample ID: L06110375-02AMS Batch ID: R50388 Test Code: M4500-Cl B Units: mg/Kg-dry Analysis Date 12/6/2006 10:10:00 AM Prep Date:
 Client ID: AB5 (10-12) Run ID: MAN1-WC_061206C SeqNo: 759593

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	6900	400	5263	1950	94.1	80	120	6800	1.46	20	H

Sample ID: L06110375-23AMS Batch ID: R50391 Test Code: M4500-Cl B Units: mg/Kg-dry Analysis Date 12/6/2006 11:20:00 AM Prep Date:
 Client ID: AB2 (14-16) Run ID: MAN1-WC_061206D SeqNo: 759631

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	7050	400	5263	2300	90.3	80	120	0			H

Sample ID: L06110375-23AMS Batch ID: R50391 Test Code: M4500-Cl B Units: mg/Kg-dry Analysis Date 12/6/2006 11:20:00 AM Prep Date:
 Client ID: AB2 (14-16) Run ID: MAN1-WC_061206D SeqNo: 759632

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	7150	400	5263	2300	92.2	80	120	7050	1.41	20	H

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

CLIENT: ICON Environmental Services

Work Order: L06110375

Project: White Lake

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: L06110375-22AMS Batch ID: R50136 Test Code: SW7471A Units: mg/Kg-dry Analysis Date 11/14/2006 9:03:00 PM Prep Date:
 Client ID: AB2 (10-12) Run ID: M5-HG_061114F SeqNo: 754963

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.029	0.050	2.083	0	97.4	75	125	0			

Sample ID: L06110375-22AMS Batch ID: R50136 Test Code: SW7471A Units: mg/Kg-dry Analysis Date 11/14/2006 9:03:00 PM Prep Date:
 Client ID: AB2 (10-12) Run ID: M5-HG_061114F SeqNo: 754964

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.956	0.050	2.083	0	93.9	75	125	2.029	3.66	20	

Sample ID: L06110351-01AMS Batch ID: R50136 Test Code: SW7471A Units: mg/Kg-dry Analysis Date 11/14/2006 9:03:00 PM Prep Date:
 Client ID: Run ID: M5-HG_061114F SeqNo: 754965

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.262	0.050	2.083	0.0779	105	75	125	0			

Sample ID: L06110351-01AMS Batch ID: R50136 Test Code: SW7471A Units: mg/Kg-dry Analysis Date 11/14/2006 9:03:00 PM Prep Date:
 Client ID: Run ID: M5-HG_061114F SeqNo: 754966

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.107	0.050	2.083	0.0779	97.4	75	125	2.262	7.1	20	

Sample ID: L06110171-02AMS Batch ID: 6562 Test Code: SW8015B Units: mg/Kg Analysis Date 11/15/2006 7:30:00 AM Prep Date: 11/10/2006
 Client ID: Run ID: G2_061114D SeqNo: 749117

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	91.18	10	100	0	91.2	43.2	135	0			

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

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

B - Analyte detected in the associated Method Blank
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CLIENT: ICON Environmental Services
 Work Order: L06110375
 Project: White Lake

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID: L06110171-02AMS Batch ID: 6562 Test Code: SW8015B Units: mg/Kg Analysis Date 11/15/2006 7:36:00 AM Prep Date: 11/10/2006
 Client ID: Run ID: G2_061114D SeqNo: 749118

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	98.01	10	100	0	98	43.2	135	91.18	7.22	40	

Sample ID: L06110171-02AMS Batch ID: 6562 Test Code: SW8015B Units: mg/Kg Analysis Date 11/15/2006 7:56:00 AM Prep Date: 11/10/2006
 Client ID: Run ID: G2_061114D SeqNo: 749121

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	98.14	50	100	0	98.1	43.2	135	0			

Sample ID: L06110171-02AMS Batch ID: 6562 Test Code: SW8015B Units: mg/Kg Analysis Date 11/15/2006 8:03:00 AM Prep Date: 11/10/2006
 Client ID: Run ID: G2_061114D SeqNo: 749122

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	104.4	50	100	0	104	43.2	135	98.14	6.22	40	

Sample ID: L06110004-01BMS Batch ID: 6561 Test Code: SW8015B Units: mg/Kg Analysis Date 11/15/2006 2:46:00 PM Prep Date: 11/9/2006
 Client ID: Run ID: G2_061114G SeqNo: 749811

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	79.96	10	100	0	80	43.2	135	0			

Sample ID: L06110004-01BMS Batch ID: 6561 Test Code: SW8015B Units: mg/Kg Analysis Date 11/15/2006 2:53:00 PM Prep Date: 11/9/2006
 Client ID: Run ID: G2_061114G SeqNo: 749812

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	92.52	10	100	0	92.5	43.2	135	79.96	14.6	40	

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

QC SUMMARY REPORT

Sample Matrix Spike

CLIENT: ICON Environmental Services
 Work Order: L06110375
 Project: White Lake

Sample ID: L06110004-06BMS	Batch ID: 6561	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/15/2006 2:59:00 PM	Prep Date: 11/9/2006						
Client ID:		Run ID: G2_061114G		SeqNo: 749813							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	90.64	10	100	0	90.6	43.2	135	0			

Sample ID: L06110004-06BMS	Batch ID: 6561	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/15/2006 3:05:00 PM	Prep Date: 11/9/2006						
Client ID:		Run ID: G2_061114G		SeqNo: 749814							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	93.95	10	100	0	94	43.2	135	92.52	1.54	40	

Sample ID: L06110004-01BMS	Batch ID: 6561	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/15/2006 3:25:00 PM	Prep Date: 11/9/2006						
Client ID:		Run ID: G2_061114G		SeqNo: 749817							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	99.49	50	100	0	99.5	43.2	135	0			

Sample ID: L06110004-01BMS	Batch ID: 6561	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/15/2006 3:32:00 PM	Prep Date: 11/9/2006						
Client ID:		Run ID: G2_061114G		SeqNo: 749818							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	107.3	50	100	0	107	43.2	135	99.49	7.56	40	

Sample ID: L06110004-06BMS	Batch ID: 6561	Test Code: SW8015B	Units: mg/Kg	Analysis Date 11/15/2006 3:38:00 PM	Prep Date: 11/9/2006						
Client ID:		Run ID: G2_061114G		SeqNo: 749819							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	91.12	50	100	0	91.1	43.2	135	0			

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

CLIENT: ICON Environmental Services
 Work Order: L06110375
 Project: White Lake

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Sample ID: L06110004-06BMS Batch ID: 6561 Test Code: SW8015B Units: mg/Kg Analysis Date 11/15/2006 3:44:00 PM Prep Date: 11/9/2006
 Client ID: Run ID: G2_061114G SeqNo: 749820
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 TPH (Oil Range) 104.5 50 100 0 105 43.2 135 91.12 13.7 40

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

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

B - Analyte detected in the associated Method Blank
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Sherry Laboratories/Louisiana

Date: 29-Jan-07

CLIENT: ICON Environmental Services
 Work Order: L06110375
 Project: White Lake

QC SUMMARY REPORT
 Laboratory Control Spike - generic

Sample ID:	LCS LOT # 06D28	Batch ID:	6567	Test Code:	SW6010B	Units:	mg/Kg-dry	Analysis Date:	11/14/2006 6:23:05 PM	Prep Date:	
Client ID:	Run ID:		I2-OPTIMA_061114C	SeqNo:	749289						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.507	0.010	0.5	0	101	75	125	0			
Barium	0.4888	0.020	0.5	0	97.8	75	125	0			
Cadmium	0.4847	0.0010	0.5	0	96.9	75	125	0			
Lead	0.4941	0.0050	0.5	0	98.8	75	125	0			
Selenium	0.4719	0.020	0.5	0	94.4	75	125	0			

Sample ID:	LCSD LOT # 06D2	Batch ID:	6567	Test Code:	SW6010B	Units:	mg/Kg-dry	Analysis Date:	11/14/2006 6:27:42 PM	Prep Date:	
Client ID:	Run ID:		I2-OPTIMA_061114C	SeqNo:	749290						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4907	0.010	0.5	0	98.1	75	125	0.507	3.26	20	
Barium	0.4889	0.020	0.5	0	97.8	75	125	0.4888	0.0148	20	
Cadmium	0.4858	0.0010	0.5	0	97.2	75	125	0.4847	0.226	20	
Lead	0.4877	0.0050	0.5	0	97.5	75	125	0.4941	1.3	20	
Selenium	0.4674	0.020	0.5	0	93.5	75	125	0.4719	0.972	20	

Sample ID:	LCS LOT # 05h11	Batch ID:	6567	Test Code:	SW6010B	Units:	mg/Kg-dry	Analysis Date:	11/16/2006 5:53:27 PM	Prep Date:	
Client ID:	Run ID:		I2-OPTIMA_061116B	SeqNo:	751078						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	46.22	1.0	50	0	92.4	75	125	0			

Sample ID:	LCSD LOT # 05h1	Batch ID:	6567	Test Code:	SW6010B	Units:	mg/Kg-dry	Analysis Date:	11/16/2006 5:56:53 PM	Prep Date:	
Client ID:	Run ID:		I2-OPTIMA_061116B	SeqNo:	751079						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	44.41	1.0	50	0	88.8	75	125	46.22	4	20	

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

CLIENT: ICON Environmental Services
 Work Order: L06110375
 Project: White Lake

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS-D 11-10 S Batch ID: 6562 Test Code: SW8015B Units: % Analysis Date 11/15/2006 7:17:00 AM Prep Date: 11/10/2006
 Client ID: Run ID: G2_061114D SeqNo: 749506

Analyte	Result	PQL	SPK value	SPK Ref Val	Units: %	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	459.6	0	500	0		91.9	30	148	0			

Sample ID: LCSD-D 11-10 S Batch ID: 6562 Test Code: SW8015B Units: % Analysis Date 11/15/2006 7:23:00 AM Prep Date: 11/10/2006
 Client ID: Run ID: G2_061114D SeqNo: 749507

Analyte	Result	PQL	SPK value	SPK Ref Val	Units: %	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	460.9	0	500	0		92.2	30	148	0			

Sample ID: LCS-MO 11-10 S Batch ID: 6562 Test Code: SW8015B Units: % Analysis Date 11/15/2006 7:43:00 AM Prep Date: 11/10/2006
 Client ID: Run ID: G2_061114D SeqNo: 749510

Analyte	Result	PQL	SPK value	SPK Ref Val	Units: %	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	462.5	0	500	0		92.5	30	148	0			

Sample ID: LCSD-MO 11-10 S Batch ID: 6562 Test Code: SW8015B Units: % Analysis Date 11/15/2006 7:50:00 AM Prep Date: 11/10/2006
 Client ID: Run ID: G2_061114D SeqNo: 749511

Analyte	Result	PQL	SPK value	SPK Ref Val	Units: %	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	492.1	0	500	0		98.4	30	148	0			

Sample ID: LCS-D 11-9 S Batch ID: 6561 Test Code: SW8015B Units: % Analysis Date 11/15/2006 2:33:00 PM Prep Date: 11/9/2006
 Client ID: Run ID: G2_061114G SeqNo: 749833

Analyte	Result	PQL	SPK value	SPK Ref Val	Units: %	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	414.9	0	500	0		83	30	148	0			

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

CLIENT: ICON Environmental Services
 Work Order: L06110375
 Project: White Lake

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID: LCSD-D 11-9 S	Batch ID: 6561	Test Code: SW8015B	Units: %	Analysis Date 11/15/2006 2:40:00 PM	Prep Date: 11/9/2006						
Client ID:		Run ID: G2_061114G		SeqNo: 749834							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	456.5	0	500	0	91.3	30	148	499.4	8.97	40	

Sample ID: LCS-MO 11-9 S	Batch ID: 6561	Test Code: SW8015B	Units: %	Analysis Date 11/15/2006 3:12:00 PM	Prep Date: 11/9/2006						
Client ID:		Run ID: G2_061114G		SeqNo: 749839							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	499.4	0	500	0	99.9	30	148	0			

Sample ID: LCSD-MO 11-9 S	Batch ID: 6561	Test Code: SW8015B	Units: %	Analysis Date 11/15/2006 3:19:00 PM	Prep Date: 11/9/2006						
Client ID:		Run ID: G2_061114G		SeqNo: 749840							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	504.2	0	500	0	101	30	148	499.4	0.955	40	

Sample ID: LCS-R50388	Batch ID: R50388	Test Code: M4500-ClB	Units: mg/Kg-dry	Analysis Date 12/6/2006 10:10:00 AM	Prep Date:						
Client ID:		Run ID: MAN1-WC_061206C		SeqNo: 759564							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	990	4.0	1000	1.7	98.8	80	120	0			

Sample ID: LCSD	Batch ID: R50388	Test Code: M4500-ClB	Units: mg/Kg-dry	Analysis Date 12/6/2006 10:10:00 AM	Prep Date:						
Client ID:		Run ID: MAN1-WC_061206C		SeqNo: 759585							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	960	4.0	1000	0	96	80	120	990	3.08	20	

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

CLIENT: ICON Environmental Services
 Work Order: L06110375
 Project: White Lake

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS-R50136 Batch ID: R50136 Test Code: SW7471A Units: mg/Kg-dry Analysis Date 11/14/2006 9:03:00 PM Prep Date:
 Client ID: Run ID: M5-HG_061114F SeqNo: 754938

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.02699	0.050	0.025	0	108	75	125	0			J

Sample ID: LCSD Batch ID: R50136 Test Code: SW7471A Units: mg/Kg-dry Analysis Date 11/14/2006 9:03:00 PM Prep Date:
 Client ID: Run ID: M5-HG_061114F SeqNo: 754967

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.02684	0.050	0.025	0	107	75	125	0.02699	0	20	J

Sample ID: LCS-D 11-10 S Batch ID: 6562 Test Code: SW8015B Units: mg/Kg Analysis Date 11/15/2006 7:17:00 AM Prep Date: 11/10/2006
 Client ID: Run ID: G2_061114D SeqNo: 749115

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	98.37	10	100	0	98.4	43.2	135	0			

Sample ID: LCSD-D 11-10 S Batch ID: 6562 Test Code: SW8015B Units: mg/Kg Analysis Date 11/15/2006 7:23:00 AM Prep Date: 11/10/2006
 Client ID: Run ID: G2_061114D SeqNo: 749116

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	94.63	10	100	0	94.6	43.2	135	98.37	3.88	40	

Sample ID: LCS-MO 11-10 S Batch ID: 6562 Test Code: SW8015B Units: mg/Kg Analysis Date 11/15/2006 7:43:00 AM Prep Date: 11/10/2006
 Client ID: Run ID: G2_061114D SeqNo: 749119

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	100.2	50	100	0	100	43.2	135	0			

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

CLIENT: ICON Environmental Services
 Work Order: L06110375
 Project: White Lake

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID: LCSD-MO 11-10 S Batch ID: 6562 Test Code: SW8015B Units: mg/Kg Analysis Date 11/15/2006 7:50:00 AM Prep Date: 11/10/2006
 Client ID: Run ID: G2_061114D SeqNo: 749120

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	102.5	50	100	0	102	43.2	135	100.2	2.2	40	

Sample ID: LCS-D 11-9 S Batch ID: 6561 Test Code: SW8015B Units: mg/Kg Analysis Date 11/15/2006 2:33:00 PM Prep Date: 11/19/2006
 Client ID: Run ID: G2_061114G SeqNo: 749809

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	87.91	10	100	0	87.9	43.2	135	0			

Sample ID: LCSD-D 11-9 S Batch ID: 6561 Test Code: SW8015B Units: mg/Kg Analysis Date 11/15/2006 2:40:00 PM Prep Date: 11/19/2006
 Client ID: Run ID: G2_061114G SeqNo: 749810

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	93.93	10	100	0	93.9	43.2	135	87.91	6.62	40	

Sample ID: LCS-MO 11-9 S Batch ID: 6561 Test Code: SW8015B Units: mg/Kg Analysis Date 11/15/2006 3:12:00 PM Prep Date: 11/19/2006
 Client ID: Run ID: G2_061114G SeqNo: 749815

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	112.2	50	100	0	112	43.2	135	0			

Sample ID: LCSD-MO 11-9 S Batch ID: 6561 Test Code: SW8015B Units: mg/Kg Analysis Date 11/15/2006 3:19:00 PM Prep Date: 11/19/2006
 Client ID: Run ID: G2_061114G SeqNo: 749816

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	113.7	50	100	0	114	43.2	135	112.2	1.31	40	

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



LAFAYETTE LABORATORY
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Case Narrative for:
SHERRY LABORATORIES

Certificate of Analysis Number:
06110817

<p>Report To: SHERRY LABORATORIES ANNIE REEDY 2417 WEST PINHOOK RD. LAFAYETTE LA 70508- ph: (337) 235-0483 fax:</p>	<p>Project Name: SHERRY LABS-PINHOOK Site: L06110375 Site Address: PO Number: State: Louisiana State Cert. No.: 02048 Date Reported: 11/28/2006</p>
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Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

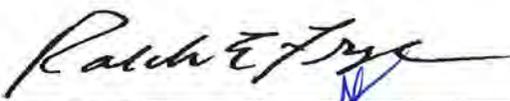
Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

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

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

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

TOTAL NUMBER OF PAGES IN THIS REPORT: 15 PAGES


 Ralph E. Frye
 ProjectManager

06110817 Page 1
 11/28/2006

Date

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



LAFAYETTE LABORATORY
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

SHERRY LABORATORIES

Certificate of Analysis Number:

06110817

Report To: SHERRY LABORATORIES
 ANNIE REEDY
 2417 WEST PINHOOK RD.

LAFAYETTE
 LA

70508-
 ph: (337) 235-0483 fax: (337) 233-6540

Fax To:

Project Name: SHERRY LABS-PINHOOK

Site: L06110375

Site Address:

PO Number:

State: Louisiana

State Cert. No.: 02048

Date Reported: 11/28/2006

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
AB5 (10-12)	06110817-01	Leachate	11/2/2006 1:15:00 PM	11/22/2006 8:55:00 AM		<input type="checkbox"/>
AB5 (14-16)	06110817-02	Leachate	11/2/2006 1:38:00 PM	11/22/2006 8:55:00 AM		<input type="checkbox"/>
AB7 (10-12)	06110817-03	Leachate	11/3/2006 10:06:00 AM	11/22/2006 8:55:00 AM		<input type="checkbox"/>
AB6 (8-10)	06110817-04	Leachate	11/3/2006 8:29:00 AM	11/22/2006 8:55:00 AM		<input type="checkbox"/>
AB3 (8-10)	06110817-05	Leachate	10/31/2006 3:09:00 PM	11/22/2006 8:55:00 AM		<input type="checkbox"/>
AB4 (10-12)	06110817-06	Leachate	11/1/2006 11:50:00 AM	11/22/2006 8:55:00 AM		<input type="checkbox"/>
AB2 (10-12)	06110817-07	Leachate	10/31/2006 10:49:00 AM	11/22/2006 8:55:00 AM		<input type="checkbox"/>
AB1 (6-8)	06110817-08	Leachate	10/30/2006 10:22:00 AM	11/22/2006 8:55:00 AM		<input type="checkbox"/>

Ralph E. Frye
 ProjectManager

11/28/2006

Date

Ron Benjamin
 LaboratoryDirector
 Tristan Davis
 Quality Assurance Officer



LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Client Sample ID: AB5 (10-12) Collected: 11/02/2006 13:15 SPL Sample ID: 06110817-01

Site: L06110375

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
LDNR LEACHABLE CHLORIDES ANALYSIS VIA SW846 9253				MCL	SW9253	Units: mg/L	
Chloride	1310		5	1	11/27/06 12:00	PFB	2039479

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Client Sample ID:AB5 (14-16) Collected: 11/02/2006 13:38 SPL Sample ID: 06110817-02

Site: L06110375

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
LDNR LEACHABLE CHLORIDES ANALYSIS VIA SW846 9253				MCL	SW9253	Units: mg/L	
Chloride	994		5	1	11/27/06 12:00	PFB	2039480

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Client Sample ID: AB7 (10-12) Collected: 11/03/2006 10:06 SPL Sample ID: 06110817-03

Site: L06110375

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
LDNR LEACHABLE CHLORIDES ANALYSIS VIA SW846 9253				MCL	SW9253	Units: mg/L	
Chloride	355		5	1	11/27/06 12:00	PFB	2039481

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Client Sample ID: AB6 (8-10) Collected: 11/03/2006 8:29 SPL Sample ID: 06110817-04

Site: L06110375

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
LDNR LEACHABLE CHLORIDES ANALYSIS VIA SW846 9253				MCL	SW9253	Units: mg/L	
Chloride	532		5	1	11/27/06 12:00	PFB	2039482

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



LAFAYETTE LABORATORY
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Client Sample ID: AB3 (8-10) Collected: 10/31/2006 15:09 SPL Sample ID: 06110817-05

Site: L06110375

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
LDNR LEACHABLE CHLORIDES ANALYSIS VIA SW846 9253				MCL	SW9253	Units: mg/L	
Chloride	710		5	1	11/27/06 12:00	PFB	2039483

Qualifiers:
 ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated Value between MDL and PQL
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Client Sample ID: AB4 (10-12) Collected: 11/01/2006 11:50 SPL Sample ID: 06110817-06

Site: L06110375

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
LDNR LEACHABLE CHLORIDES ANALYSIS VIA SW846 9253							
Chloride	959		5	1	11/27/06 12:00	PFB	2039484

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Client Sample ID: AB2 (10-12) Collected: 10/31/2006 10:49 SPL Sample ID: 06110817-07

Site: L06110375

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
LDNR LEACHABLE CHLORIDES ANALYSIS VIA SW846 9253				MCL	SW9253	Units: mg/L	
Chloride	355		5	1	11/27/06 12:00	PFB	2039485

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



LAFAYETTE LABORATORY
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337)237-4775

Client Sample ID: AB1 (6-8) Collected: 10/30/2006 10:22 SPL Sample ID: 06110817-08

Site: L06110375

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
LDNR LEACHABLE CHLORIDES ANALYSIS VIA SW846 9253				MCL	SW9253	Units: mg/L	
Chloride	888		5	1	11/27/06 12:00	PFB	2039486

Qualifiers:

ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated Value between MDL and PQL
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference

Quality Control Documentation



Quality Control Report

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

SHERRY LABORATORIES

SHERRY LABS-PINHOOK

Analysis: LDNR Leachable Chlorides Analysis via SW846 9253
Method: SW9253

WorkOrder: 06110817
Lab Batch ID: R141078

Method Blank

RunID: WET_061127R-2039475 Units: mg/L
Analysis Date: 11/27/2006 12:00 Analyst: PFB

Samples in Analytical Batch:

Table with 2 columns: Lab Sample ID, Client Sample ID. Lists sample IDs from 06110817-01A to 06110817-08A and their corresponding client IDs.

Table with 3 columns: Analyte, Result, Rep Limit. Row for Chloride with Result ND and Rep Limit 5.0.

Laboratory Control Sample (LCS)

RunID: WET_061127R-2039476 Units: mg/L
Analysis Date: 11/27/2006 12:00 Analyst: PFB

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Row for Chloride with values 150.0, 150.9, 100.6, 90, 110.

Sample Duplicate

OriginalSample: 06110688-11
RunID: WET_061127R-2039477 Units: mg/L
Analysis Date: 11/27/2006 12:00 Analyst: PFB

Table with 5 columns: Analyte, Sample Result, DUP Result, RPD, RPD Limit. Row for Chloride with values 3900, 3550, 9.52, 20.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

*Sample Receipt Checklist
And
Chain of Custody*



LAFAYETTE LABORATORY
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337)237-4775

Sample Receipt Checklist

Workorder:	06110817	Received By:	JM
Date and Time Received:	11/22/2006 8:55:00 AM	Carriername:	Client Drop Off
Temperature:	4C°C	Chilled by:	Water Ice

1. Shipping container/cooler in good condition? Yes No NotPresent
2. Custody seals intact on shipping container/cooler? Yes No NotPresent
3. Custody seals intact on sample bottles? Yes No NotPresent
4. Chain of custody present? Yes No
5. Chain of custody signed when relinquished and received? Yes No
6. Chain of custody agrees with sample labels? Yes No
7. Samples in proper container/bottle? Yes No
8. Sample containers intact? Yes No
9. Sufficient sample volume for indicated test? Yes No
10. All samples received within holding time? Yes No
11. Container/Temp Blank temperature in compliance? Yes No
12. Water - VOA vials have zero headspace? Yes No VOA Vials Not Present
13. Water - Preservation checked upon receipt (except VOA*)? Yes No NotApplicable

*VOA Preservation Checked After Sample Analysis

SPL Representative:

Contact Date & Time:

Client Name Contacted:

Non Conformance Issues:

Client Instructions:

06110817

CHAIN-OF-CUSTODY RECORD

Sherry Laboratories/Louisiana

2417 West Pinhook Road
Lafayette, LA 70508-3344
(337) 235-0483

Subcontractor:

SPL, Inc
500 Ambassador Caffery Parkway

TEL: (337) 237-4775
FAX: (337) 237-8005

Scott, LA 70583

Acct #:

22-Nov-06

Client Sample ID	Lab ID	Matrix	Collection Date	Bottle Type	Number of		Requested Tests
					Containers	LEACHATECHLOR	
AB5 (10-12)	L06110375-02B	Soil	11/2/2006 1:15:00 PM		1	1	/
AB5 (14-16)	L06110375-03B	Soil	11/2/2006 1:38:00 PM		1	1	/
AB7 (10-12)	L06110375-06B	Soil	11/3/2006 10:06:00 AM		1	1	/
AB6 (8-10)	L06110375-09B	Soil	11/3/2006 8:29:00 AM		1	1	/
AB3 (8-10)	L06110375-13B	Soil	10/31/2006 3:09:00 PM		1	1	/
AB4 (10-12)	L06110375-17B	Soil	11/1/2006 11:50:00 AM		1	1	/
AB2 (10-12)	L06110375-22B	Soil	10/31/2006 10:49:00 AM		1	1	/
AB1 (6-8)	L06110375-26B	Soil	10/30/2006 10:22:00 AM		1	1	/

① Tent 4.0 No-C-5
Client Drop off

Comments: RUN LEACHATE CHLORIDE Samples already prep

Use Client Sample ID(s) on reports.
Valid LEAP Certification required.

Relinquished by: *[Signature]* 11-20-06 8:57
 Relinquished by: *Kevin Mord* 11-20-06 8:57

Received by: *Ken Mord* 11-20-06 8:30
 Received by: *Jenny Halls* 11-20-06 8:55

Sherry Laboratories - Chain of Custody Record

Laboratory Number: **LOW110375**

Company Name: **ICON Environmental** Billing Information: **SAME**

Contact Name: **Greg Miller** PO Number: **White Lake**

Address: **10555 Cresenton St** Quote Number: **9077-041-0800**

City, State Zip: **2nd Floor** Required QC Level: **Matt Trickett**

Phone Number: **Ext: 70800** Bill Monthly: Yes No

Fax Number: **Ext: 344-8490** Shipping Method: **UPS / FedEx / Airborne**

E-mail Address: **DHL / Sherry** Hand / Mail

Matrix Code: **3 of 4**

DW = Drinking Water
 WW = Waste Water
 GW = Ground Water
 AQ = Aqueous
 SL = Sludge
 O = Oil
 F = Food
 NG = Natural Gas
 NGL = Natural Gas Liquid
 PW = Produced Water
 CF = Completion Fluid
 OT = Other
 SO = Soil
 SW = Swab

Sample ID/Description	Which Regulations Apply:			Turn Time Standard RUSH 1 Day 2 Day Other	(Rush turn times will incur a surcharge and must be pre-approved by lab.)	Container		Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₈	Requested Tests			Comments			
	RCRA	POTW	PDES			USDA/FDA	RECAP/RISC		Type V=Vial P=Plastic, G=Glass	Quantity	ESP/SAR		CL/EC	CL Leachate	TPH/DTO
B2 (4-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G	1	-	X	X	X	29B Metals: (All dry weight) As, Ba, Cd, Pb, Hg, Ni, Se ← % Solids + CL/EC ONLY BA (2024)			
B2 (10-12)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G	1	-	X	X	X				
B2 (14-16)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G	1	-	X	X	X				
B2 (18-20)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G	1	-	X	X	X				
B2 (22-24)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G	1	-	X	X	X				
B1 (6-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G	1	-	X	X	X				
B1 (12-14)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G	1	-	X	X	X				
B1 (22-24)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G	1	-	X	X	X				
B1 (30-32)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G	1	-	X	X	X				
B1 (34-36)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G	1	-	X	X	X				

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
Matt Trickett	11/6/06 1300	Matthew Davis	11-6-06 1300	
Matthew Davis	11-8-06 1100	Carl Monge	11-8-06/1410	Received at lab on ice? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Temp:
Carl Monge	11-Feb / 1450	Matthew Davis	11-8-06 1450	

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.



Sherry Laboratories - Chain of Custody Record

Laboratory Number: **LOW110375**

Client Information:	Billing Information:
Company Name: ICON Environmental	Project Name/Number: White Lake
Contact Name: Greg Miller	Quote Number: 9077-041-0800
Address: 1053 Concession st 2nd floor	Sampler's Signature: <i>[Signature]</i>
City, State Zip: Baton Rouge La 70802	Shipping Method: UPS / FedEx / Airborne
Phone Number: (504) 344-8490	Ext: Hand / Mail
Fax Number: Ext:	
E-mail Address:	

Page **1** of **4**
Matrix Code
 DW = Drinking Water
 WW = Waste Water
 GW = Ground Water
 AQ = Aqueous
 SL = Sludge
 O = Oil
 F = Food
 NG = Natural Gas
 NGL = Natural Gas Liquid
 PW = Produced Water
 CF = Completion Fluid

Sample ID/Description	Which Regulations Apply: <input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input checked="" type="checkbox"/> PDES <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC	Turn Time <input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	(Rush turn times will incur a surcharge and must be pre-approved by lab.)	Container		Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₈	Requested Tests				Comments	
				Quantity	Type V=Vial P=Plastic, G=Glass		ESP/AR	29B Metals	GL-Leachate	TPH/DTO		Other
B5 (4-6)				1	G	-						29B metals! (all dry weights) As, Br, Cd, Pb, Hg, Na Se
B5 (10-12)				1	G	-						
B5 (14-16)				1	G	-						
B5 (18-20)				1	G	-						
B7 (6-8)				1	G	-						
B7 (10-12)				1	G	-						
B7 (14-16)				1	G	-						
B7 (18-20)				1	G	-						
B6 (8-10)				1	G	-						
B6 (12-14)				1	G	-						

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
<i>[Signature]</i>	11/6/06 1300	<i>[Signature]</i>	11-6-06 1300	
<i>[Signature]</i>	11-8-06 1100	<i>[Signature]</i>	11-Feb/1410	Received at lab on ice?
<i>[Signature]</i>	11-8-06/1450	<i>[Signature]</i>	11-8-06/1450	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Temp:

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

9301 Innovation Drive
Suite 125
Daleville, IN 47334
765-378-4103
Fax: 765-378-4109

629 Washington St.
Suite 300
Columbus, IN 47201
812-375-0531
Fax: 812-375-0731

5738 Industrial Rd.
Fort Wayne, IN 46825
260-471-7000
Fax: 260-471-7777

2417 W. Pinhook Rd
Lafayette, LA 70508
337-235-0483
Fax: 337-233-6540

2129 Willow Street
Scott, LA 70583
337-232-3568
Fax: 337-232-3621

Sherry Laboratories - Chain of Custody Record

Laboratory Number: **10010375**

Company Name: **TECON Environmental** PO Number: **White Lake** Page **2** of **4**

Contact Name: **Greg Miller** Quote Number: **9077-041-0800** Matrix Code: **DW = Drinking Water, WW = Waste Water, GW = Ground Water, AQ = Aqueous, OT = Other, SL = Sludge, SO = Soil, O = Oil, SW = Swab, F = Food, NG = Natural Gas, NGL = Natural Gas Liquid, PW = Produced Water, CF = Completion Fluid**

Address: **10555 Carverton St, and Floor** Sampler's Signature: **Matt Trishas**

City, State Zip: **Benton Rouge, La 70802** Bill Monthly: Yes No Shipping Method: **UPS / FedEx / Airborne**

Phone Number: **(225) 344-8490** Ext: **205** Required QC Level: **CL/EC**

Fax Number: **(225) 344-8490** Ext: **205** HCL, HNO₃, H₂SO₄, NaOH, Na₂S₂O₃ **TPH D+O, 29 B metals, ESP/SAR, CL/EC, % Solids**

E-mail Address: **Sherry Labs** Container Type: **P=Plastic, G=Glass, V=Vial** Pres. **HCL, HNO₃, H₂SO₄, NaOH, Na₂S₂O₃**

Sample ID/Description	Which Regulations Apply: <input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input type="checkbox"/> NPDES <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC	Turn Time <input type="checkbox"/> Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	(Rush turn times will incur a surcharge and must be pre-approved by lab.)	Collection Information		Quantity	Container Type P=Plastic, G=Glass, V=Vial	Pres. HCL, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₃	Requested Tests	Comments
				Date	Time					
B6 (16-18)				11/3/06	0847	1	G		TPH D+O	29 B metals; (all dry weight)
B3 (4-6)				10/31/06	1458	1	G		CL-Leads	As, Ba, Cd,
B3 (8-10)				10/31/06	1509	1	G		X X X X	Pb, Hg, Na,
B3 (14-16)				10/31/06	1527	1	G		X X X X	SE
B3 (18-20)				11/1/06	0833	1	G		X X X X	← 11/1/06
B4 (4-6)				11/1/06	1137	1	G		X X X X	
B4 (10-12)				11/1/06	1150	1	G		X X X X	
B4 (18-20)				11/1/06	1200	1	G		X X X X	
B4 (26-28)				11/1/06	1230	1	G		X X X X	
B4 (36-38)				11/1/06	1315	1	G		X X X X	

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
Matt Trishas	11/6/06 1300	Matt Trishas	11-6-06 1300	Received at lab on ice?
Matt Trishas	11-8-06 1100	Greg Miller	11-8-06/1400	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Temp:
Greg Miller	11-8-06/1450	Greg Miller	11-8-06 1450	

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

Chain of Custody

Yes	No	N/A Were seals, if present, intact?
Yes	No	Is Chain of Custody complete? If no, please comment below.
		How was the sample delivered? <u>Sherry</u> FedEx UPS Hand Other: _____

Log In

Yes	No	Was an attempt made to cool the samples? Temperature: <u>2.9</u> Ambient
Yes	No	N/A Are samples (except VOA vials) properly preserved? If preservative added to bottles, which bottles? _____
Yes	No	N/A Is the headspace in the VOA vials less than ¼ inch or 6 mm?
Yes	No	N/A Are VOA vials preserved with HCl?
Yes	No	Does paperwork match bottle labels? (Note discrepancies on Chain of Custody)
Yes	No	Are matrices correctly identified on Chain of Custody? <u>Soil</u>
Yes	No	Is it clear what analyses were requested? <u>As 1-2/07</u>
Yes	No	Are we able to meet all holding times? (If no, notify customer for authorization.)

Special Handling (if applicable)

Yes	No	N/A Was client notified of all discrepancies with this order? Person notified: _____ Date: _____ Time: _____ By whom? _____ Via: Phone Fax In Person Regarding: _____ Report / Do Not Report
Yes	No	N/A Was other special handling completed? Explain: _____

Notes:

 Customer: Icon Laboratory Work Order # U110375

 Log In Signature: A. Bourdeau Date: 11-8-06 Time: 1450

Sherry Laboratories - Chain of Custody Record

Laboratory Number: **LABORATORY 888**

Client Information ICON Environmental Greg Miller 1058 Conventzion St. 2nd Floor Baton Rouge LA 70802 Phone Number: 225-394-8490 FAX: _____ City, State Zip: _____ Email Address: _____		Billing Information SAME Quote Number: _____ Required QC Level: _____ Project Name/Number: VTSB by Lake 9077-041-0800 Sampler's Signature: _____ Shipping Method: _____ L/P/S / Fed/Ex / Air/none DHL / Sherry / Hand / Mail		P3 Number: _____ Quote Number: _____ Required QC Level: _____ Bill Monthly: <input type="checkbox"/> Yes <input type="checkbox"/> No Turn Time: 1 or 2 <input type="checkbox"/> Standard <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other (Each turn time will incur a surcharge and must be pre-approved by lab.)	
--	--	--	--	---	--

Sample ID/Description	Date	Time	Matrix Code: AD - Aqueous DW - Drinking WW - Waste MW - Month Well LO - Liquid	Which Regulations Apply:		NO - Soil O - Oil SL - Sludge F - Food SW - Swab SO - Solid	Container Type P - Plastic G - Glass, V - Vial	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ SO ₄	Requested Tests				Comments
				Drinking Water	Distribution				USDA/ATVA	State	Other	CI/EC	
B-6 (3'-10.5')	8/9/06	13:07	AD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G	none	X	X	X	X	Metals As, Ba, Cd Pb, Se, Sr
B-7 (1'-4')	8/9/06	13:50	AD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G	none	X	X	X	X	TPH-D/O Method 8015 B
B-7 (4'-5')	8/9/06	13:52	AD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G	none	X	X	X	X	
B-7 (8'-11')	8/9/06	13:58	AD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G	none	X	X	X	X	
B-10 (1.5'-4')	8/9/06	14:23	AD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G	none	X	X	X	X	
B-9 (0'-0.5')	8/9/06	14:26	AD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G	none	X	X	X	X	
B-9 (0'-0.5')	8/9/06	14:51	AD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G	none	X	X	X	X	
B-9 (0.5'-3.5')	8/9/06	14:54	AD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G	none	X	X	X	X	
B-9 (7'-8')	8/9/06	14:58	AD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G	none	X	X	X	X	
B-9 (8'-9')	8/9/06	15:01	AD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G	none	X	X	X	X	

Relinquished by: **Sherry Miller** Date/Time: **8/9/06 17:05** Received by: **Dawn Sosa** Date/Time: **8/14/06 @ 17:05**

Received on ice? Yes No

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

2303 N. Madison St.
Monroe, LA 70502
765-272-0800
Fax: 765-477-0228

629 Washington St.
Suite 100
Columbia, LA 70201
812-375-0531
Fax: 812-375-0731

5728 Industrial Rd.
Fort Wayne, IN 46825
266-471-7000
Fax: 266-471-7777

2417 W. Pinhook Rd
Lafayette, LA 70508
337-235-0483
Fax: 337-231-4510

6825 E. 38th Street
Tulsa, OK 74136
918-828-9977
Fax: 918-828-7758

Sherry Laboratories - Chain of Custody Record

Laboratory Number: 100800007

Client Information: Company Name: <u>ICON Environmental</u> Contact Name: <u>Greg Miller</u> Address: <u>1055 Convection St.</u> <u>2nd floor</u> <u>Baton Rouge LA 70802</u> Phone Number: <u>225-344-8400 Ext</u> Fax Number: <u>225-344-8400 Ext</u> E-mail Address:		Billing Information: Quote Number: <u>SAME</u> PO Number: <u>9077-041-0800</u> Quote Number: <u>VP58 White Lake</u> Required Qc Level: <u>Ext</u> Bill Monthly: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Shipping Method: <u>DHL / Sherry / Hard / Mail</u> Project Name/Number: <u>VP58 White Lake</u> Sampler's Signature: _____ Turn Time: <input type="checkbox"/> Standard <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other (Rush turn times will incur a surcharge and must be pre-approved by lab.)	
--	--	--	--

Sample ID/Description	Date	Time	Matrix Code	Which Regulations Apply		Date/Time	Relinquished by	Date/Time	Received by	Date/Time	Field Notes	Comments
				Drinking Water	AO - Aqueous							
B-3 (6'-12')	8/4/06	1110	Grab	<input type="checkbox"/> POTW	<input type="checkbox"/> Distribution	8/4/06 1705	Debra Schrey	8/4/06 1705	Darlene Serna	8/14/06 017105		Metals removed
B-3 (9'-12')	8/4/06	1110	Grab	<input type="checkbox"/> POTW	<input type="checkbox"/> Distribution							Metals
B-3 (4'-7')	8/4/06	1106	Grab	<input type="checkbox"/> POTW	<input type="checkbox"/> Distribution							AS, Ba, Cd, Pb, Na (2AB)
B-5 (0'-1.5')	8/4/06	1137	Grab	<input type="checkbox"/> POTW	<input type="checkbox"/> Distribution							TPH - D10 Method 2015B
B-5 (4'-5.5')	8/4/06	1143	Grab	<input type="checkbox"/> POTW	<input type="checkbox"/> Distribution							
B-5 (8'-10')	8/4/06	1150	Grab	<input type="checkbox"/> POTW	<input type="checkbox"/> Distribution							
B-4 (0'-1')	8/4/06	1236	Grab	<input type="checkbox"/> POTW	<input type="checkbox"/> Distribution							
B-4 (3'-5')	8/4/06	1240	Grab	<input type="checkbox"/> POTW	<input type="checkbox"/> Distribution							
B-4 (5'-8')	8/4/06	1242	Grab	<input type="checkbox"/> POTW	<input type="checkbox"/> Distribution							
B-6 (1.5'-3')	8/4/06	1305	Grab	<input type="checkbox"/> POTW	<input type="checkbox"/> Distribution							

All samples submitted to Sherry Laboratories for analysis are accepted on a consensual basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

2203 N. Madison St.
Monroe, LA 70103
765-747-9008
Fax: 765-747-0238

629 Washington St.
Suite 300
Columbus, LA 71201
812-375-0531
Fax: 812-575-0731

5738 Industrial Rd.
Port Wayne, LA 48825
260-471-7060
Fax: 260-471-7777

2417 W. Pinhook Rd
Lafayette, LA 70508
337-235-0483
Fax: 337-233-6540

6825 E. 38th Street
Tulsa, OK 74115
918-828-9977
Fax: 918-828-7750

Part 1 - Laboratory Copy Part 2 - Report Copy Part 3 - Client's Temporary Copy

Received Report - No % moisture reported, need duplt.

Sherry Laboratories - Chain of Custody Record

Laboratory Number

100080667

Client Information:
 Company Name: **ICON Environmental**
 Contact Name: **Greg Miller**
 Address: **1065 Convention St., 2nd Floor**
Baton Rouge LA 70802
 Phone Number: **225-344-8490 Ext**
 Fax Number:
 E-mail Address:

Billing Information:
 PO Number:
 Quote Number:
 Required OC Level:
 Bill Monthly: Yes No

Project Name/Number:
VPSB Whitelake
407-040-0800
 Sampler's Signature:
 Shipping Method:
 UPS / FedEx / Airborne
 DHL / Sherry / Hand / Mail

Page **2** of **2**
 Turn Time:
 Standard
 1 Day
 2 Day
 Other
 (Rush turn times will incur a surcharge and must be pre-approved by lab.)

Sample ID/Description	Date	Time	Grab/Composite	Matrix	Container	Type P-Plastic G-Glass, V-Vial	Pres: HCl, HNO ₃ , H ₂ SO ₄ , HF, H ₂ O ₂ , None	Requested Tests				Comments
								CI/EC	TPH-D/O	Metals	% Moisture	
B-8 (5.5'-7.0')	8/4/06	1530	Grab	SL	G	none	none	X	X	X	X	Metals As, Ba, Cd, Pb, Se, Sr TPH-D/O Method 8015B
B-8 (9.5'-11.5')	8/4/06	1536	Grab	SL	G	none	none	X	X	X	X	
B-15 (4'-6')	8/10/06	0918	Grab	SL	G	none	none	X	X	X	X	
B-15 (8'-11.5')	8/10/06	0922	Grab	SL	G	none	none	X	X	X	X	
B-14 (0'-1')	8/10/06	0940	Grab	SL	G	none	none	X	X	X	X	
B-14 (4'-8')	8/10/06	0944	Grab	SL	G	none	none	X	X	X	X	

Relinquished by: Shawn Elberg Date/Time: 8/14/06 1705 Received by: Douglas Sauer Date/Time: 8/14/06 1705 Field Notes: _____

Received on ice? Yes No
 Temp: _____

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

2103 S. Madison St.
 Metairie, LA 70002
 785-741-9000
 FAX: 785-747-0228

639 Washington St.
 Suite 300
 Metairie, LA 70001
 812-575-0831
 Fax: 812-575-0731

5738 Industrial Rd.
 Port Wycmc, LA 70075
 260-471-7000
 Fax: 260-471-7777

2417 W. Flathook Rd.
 Lafayette, LA 70508
 337-235-0483
 Fax: 337-235-6510

6825 E. 38th Street
 Tulsa, OK 74148
 918-878-9977
 Fax: 918-828-7756

Sherry Laboratories - Chain of Custody Record

Laboratory Number: 080801000

Client Information
 Company Name: JOAN EVANS/AMMETS
 Contact Name: Greg Miller
 Address: 1055 Convention St
2nd floor
Baton Rouge, LA 70802
 Phone Number: 825-344-8490 Ext.
 Fax Number:
 E-mail Address:

Billing Information
 Billing Information: SAME

PO Number:
 Quote Number:
 Required QC Level:
 Bill Monthly: Yes No

Project Name/Number:
VP5B White Lake
9077-041-0800
 Sampler's Signature:
 Shipping Method:
 UPS / FedEx / Airborne
 DHL / Sherry / Hand / Mail

Page 1 of 1
 Turn Time:
 Standard
 1 Day
 2 Day
 Other
 (Rush turn times will incur a surcharge and must be pre-approved by lab.)

Sample ID/Description	Date	Time	Matrix Code: AO - Aqueous DW - Drinking WW - Waste MW - Moist Well LO - Liquid	SO - Soil O - Oil SI - Sludge F - Food SW - Swab SOI - Solid	Container Type P - Plastic G - Glass, V - Vial	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ SO ₄	Requested Tests				Comments
							Quantity	CI/EC	TPH-D/O	Metals	
B-21 (0'-2')	8/10/06	1524	Gmb	SL	G	none	X	X	X	X	Metals As, Ba, Cd
B-21 (2'-4')	8/10/06	1526	Gmb	SL	G	none	X	X	X	X	Pb, Se, Sn
B-21 (6'-8')	8/10/06	1534	Gmb	SL	G	none	X	X	X	X	TPH-D/O
B-2 (2'-4')	8/8/06	1551	Gmb	SL	G	none	X	X	X	X	Method 8015 B
B-2 (4'-6')	8/8/06	1608	Gmb	SL	G	none	X	X	X	X	296 Metals
B-2 (6'-8')	8/8/06	1612	Gmb	SL	G	none	X	X	X	X	
B-2 (10'-10.5')	8/8/06	1620	Gmb	SL	G	none	X	X	X	X	

Relinquished by: Sherry Kellum

Date/Time: 8/14/06 1705

Received by: Danlu Sullivan

Date/Time: 8/14/06 @ 17:05

Field Notes: Received on ice? Yes No
Temp:

2200 S. Madison St.
 Monroe, LA 71303
 785-747-0000
 Fax: 765-747-0238

629 Washington St.
 Suite 360
 Columbus, LA 47201
 812-375-0531
 Fax: 812-375-0731

5738 Industrial Rd.
 Fort Wayne, IN 46825
 260-471-7066
 Fax: 260-471-7777

2417 W. Pinhook Rd
 Lafayette, LA 70508
 337-235-0483
 Fax: 337-233-6540

6825 E. 38th Street
 Tulsa, OK 74145
 918-828-0977
 Fax: 918-828-7758

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

Sherry Laboratories - Chain of Custody Record

Laboratory Number: **100089009**

Company Name: **ICOM Environmental**
 Contact Name: **Greg Miller**
 Address: **1055 Convention St.
 2nd Floor
 Baton Rouge LA 70802**
 City, State Zip: **LA 70802**
 Phone Number: **225-344-8400 Ext:**
 Fax Number:
 E-mail Address:

Billing Information: **SAME**
 PO Number:
 Quote Number:
 Required QC Level:
 Bill Monthly: Yes No
 Project Name/Number: **VPSC WHITE LAKE
 9077-041-0800**
 Sampler's Signature:
 Shipping Method: **DHL / Sherry / Hand / Mail**
 UPS / FedEx / Airborne

Matrix Code: **AQ - Aqueous**
DW - Drinking
WW - Waste
MW - Month Well
EQ - Liquid
SO - Soil
D - Oil
SL - Sludge
F - Food
SW - Swab
SOL - Solid

Container: **G**
 Type: **Plastic**
 HCl, HNO₃, H₂SO₄, NaOH, Na₂S₂O₈
 Pres: **CI/EC**
 Requested Tests: **TPH-D/O**
 Metals
 % Moisture
 Comments: **Metals
 As, Ba, Cd
 Pb, Se, Sr
 TPH-D/O
 Method 8015B**

Sample ID/Description	Date	Time	Matrix	Quantity	Type	Pres	Requested Tests	Comments
B-17 (0'-3')	8/10/06	12:47	Grab SL	1	G	none		
B-17 (3'-6')	8/10/06	12:50	Grab SL	1	G	none		
B-17 (8.5'-10.5')	8/10/06	13:00	Grab SL	1	G	none		
B-17 (10.5'-12')	8/10/06	13:05	Grab SL	1	G	none		
B-20 (1'-3')	8/10/06	13:33	Grab SL	1	G	none		
B-20 (3'-4.5')	8/10/06	13:35	Grab SL	1	G	none		
B-20 (7.5'-10') CM	8/10/06	14:07	Grab SL	1	G	none		
B-18 (2'-4')	8/10/06	14:10	Grab SL	1	G	none		
B-18 (4'-5')	8/10/06	14:14	Grab SL	1	G	none		
B-18 (7.5'-10')	8/10/06	14:14	Grab SL	1	G	none		

Relinquished by: **Shawn Reddy** Date/Time: **8/14/06 1705** Received by: **Darlene Sullivan** Date/Time: **8/14/06 17:05** Field Notes: **Received on ice? Yes No**

2203 S. Madison St.
 Monroe, LA 71002
 765-247-9000
 Fax: 765-247-0228

699 Washington St.
 Suite 300
 Columbia, LA 71701
 812-375-0531
 Fax: 812-375-0731

5738 Industrial Rd.
 Fort Wayne, IN 46825
 260-471-7000
 Fax: 260-471-7777

2417 W. Pinhook Rd
 Lafayette, LA 70508
 337-235-0483
 Fax: 337-235-6540

6825 E. 38th Street
 Tulsa, OK 74145
 918-828-9977
 Fax: 918-828-7756

Sherry Laboratories - Chain of Custody Record

Laboratory Number

10100816109

Client Information:
 Company Name: **ICON Environmental**
 Contact Name: **Greg Miller**
 Address: **1055 Convention St**
2nd floor
Baton Rouge LA 70802
 Phone Number: **225-344-8490** Ext:
 Fax Number:
 E-mail Address:

Billing Information:
 Quote Number: **SAME**
 Required QC Level:
 Bill Monthly: Yes No
 Project Name/Number: **VPS WHITE CASE**
9077-041-0800
 Sample's Signature:
 Shipping Method: UPS / FedEx / Airborne DHL / Sherry / Hand / Mail

PO Number:
 Quote Number:
 Required QC Level:
 Bill Monthly: Yes No

Project Name/Number:
 Sample's Signature:
 Shipping Method: UPS / FedEx / Airborne DHL / Sherry / Hand / Mail

Page **2** of **2**
 Turn Time:
 Standard
 1 Day
 2 Day
 Other
 (Push turn times will incur a surcharge and must be pre-approved by lab.)

Which Regulations Apply:
 RCRA Drinking Water
 POTW Distribution
 NPLHS Special
 MSD/EDA State
 DRIC/ARISC Other

Matrix Code:
 AQ = Aqueous DW = Drinking W/W = Waste MW = Monol. Wet LO = Liquid
 SO = Soil O = Oil SL = Sludge F = Food SW = Swab SOL = Solid

Container:
 Type: P-Plastic, G-Glass, V-Vial
 Pcs: HCl, HNO₃, H₂SO₄, NaOH, Na₂S₂O₈

Requested Tests:
 CI/EC
 TPH-D/O
 Metals
 % Moisture

Comments:
 Metals *
 As, Ba, Cd
 Pb, Se, Sn
 TPH-D/O
 Method 8015B

Sample ID/Description	Date	Time	Grade/Container	Matrix	Quantity	Type	Pcs	Requested Tests	Comments
B-18 (10'-11.5')	8/18/06	14:10	GAB	SL	1	G	None	CI/EC TPH-D/O Metals % Moisture	
B-19 (1'-2.5')		14:55			1		X		
B-19 (2.5'-4')		14:57			1		X		
B-19 (4'-6.5')		15:00			1		X		
B-19 (6.5'-9.5')	8/18/06	15:03	GAB	SL	1	G	None	CI/EC TPH-D/O Metals % Moisture	

Relinquished by: **Sherry Laboratories** Date/Time: **8/18/06 11:05** Received by: **Sherry Laboratories** Date/Time: **8/18/06 11:05** Field Notes: **Received on ice? Yes No**

2303 S. Madison St.
 Monroe, La 70702
 765-747-9000
 Fax: 765-747-0228

629 Washington St.
 Suite 300
 Columbus, La 70701
 812-375-0531
 Fax: 812-375-0731

5738 Industrial Rd.
 Fort Wayne, La 70605
 260-471-7000
 Fax: 260-471-7777

2417 W. Pinhook Rd.
 Lafayette, La 70508
 337-235-0483
 Fax: 337-235-6540

6825 E. 38th Street
 Tulsa, OK 74145
 918-828-9977
 Fax: 918-828-7756



2417 West Pinhook Road
Lafayette LA 70508-3344
(337) 235-0483

P O Box 81816
Lafayette LA 70598-1816
Fax: (337) 233-6540
(800) 737-2378

Date: 22-Mar-07

CLIENT: ICON Environmental Services
Project: VPSC White Lake
Lab Order: L06080669

CASE NARRATIVE

Unless specified by the client, a duplicate or MS/MSD, wherever applicable, is randomly selected and analyzed from each analytical batch. The sample chosen for duplicate or MS/MSD may or may not be a sample submitted in this workorder. A method blank and/or a lab control sample (LCS)/lab control sample duplicate (LCSD), wherever applicable, are processed as a quality control check for each analytical batch. When the matrix QC results indicate possible matrix effect, the validity of the batch is determined by the method blank and LCS/LCSD.

Any other exceptions associated with this report will be footnoted in the results page(s) or the QC summary page(s).

3-22-07 Report re-issued to correct the metals data on a dry weight basis as per client request.



SHERRY Laboratories

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Lafayette LA 70508-3344
(337) 235-0483

P O Box 81816
Lafayette LA 70598-1816
Fax: (337) 233-6540
(800) 737-2378

CLIENT: ICON Environmental Services

Lab Order: L06080669

Project: VPSC White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080669-01 **Collection Date:** 8/10/2006 12:47:00 PM **Sample ID:** B-17 (0-3')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	7,950	M4500-CL B 400		mg/Kg-dry	8/29/2006 1:30:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	16.7	29B 0.102		mmhos/cm	8/29/2006 12:05:00 PM	CG
PERCENT MOISTURE Percent Moisture	81.0	SW9071 # 0.0100		wt%	8/17/2006	CG

- | | | |
|--------------------|---|---|
| Qualifiers: | +DO - Diluted out due to dilution | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | MI+ - Matrix Interference |
| | * - Value exceeds MCL or Permit Limitation | H - Exceeds Holding Time |



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Lafayette LA 70508-3344
(337) 235-0483

P O Box 81816
Lafayette LA 70598-1816
Fax: (337) 233-6540
(800) 737-2378

CLIENT: ICON Environmental Services

Lab Order: L06080669

Project: VPSC White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080669-02 **Collection Date:** 8/10/2006 12:50:00 PM **Sample ID:** B-17 (3-6')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	9.60	1.15		mg/Kg-dry	8/25/2006 10:00:02 PM	
Barium	212	1.15		mg/Kg-dry	8/25/2006 10:00:02 PM	
Cadmium	0.344	0.115		mg/Kg-dry	8/25/2006 10:00:02 PM	
Lead	24.0	0.576		mg/Kg-dry	8/25/2006 10:00:02 PM	
Selenium	< 2.31	2.31		mg/Kg-dry	8/25/2006 10:00:02 PM	
Strontium	51.1	1.15		mg/Kg-dry	8/25/2006 10:00:02 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	102	30-148		%REC	8/19/2006 3:16:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	5,700	400		mg/Kg-dry	8/29/2006 1:30:00 PM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	19.2	0.142		mmhos/cm	8/29/2006 12:05:00 PM	
PERCENT MOISTURE		SW9071 #				CG
Percent Moisture	50.9	0.0100		wt%	8/17/2006	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/19/2006 3:16:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 3:16:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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Lafayette LA 70508-3344
(337) 235-0483

P O Box 81816
Lafayette LA 70598-1816
Fax: (337) 233-6540
(800) 737-2378

CLIENT: ICON Environmental Services

Lab Order: L06080669

Project: VPSC White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080669-03 **Collection Date:** 8/10/2006 1:00:00 PM **Sample ID:** B-17 (8.5-10.5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	91.7	SW8015B 30-148		%REC	8/19/2006 3:23:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	35,800	M4500-CL B 2,000		mg/Kg-dry	8/29/2006 1:30:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	34.5	29B 0.135		mmhos/cm	8/29/2006 12:05:00 PM	CG
PERCENT MOISTURE Percent Moisture	58.7	SW9071 # 0.0100		wt%	8/17/2006	CG
TPH BY GC/FID TPH (Diesel Range)	< 10.0	SW8015B 10.0		mg/Kg	8/19/2006 3:23:00 PM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 3:23:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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Lafayette LA 70598-1816
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(800) 737-2378

CLIENT: ICON Environmental Services

Lab Order: L06080669

Project: VPSC White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080669-04 **Collection Date:** 8/10/2006 1:05:00 PM **Sample ID:** B-17 (10.5-12')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	3.20	0.727		mg/Kg-dry	8/25/2006 10:05:06 PM	
Barium	95.4	0.727		mg/Kg-dry	8/25/2006 10:05:06 PM	
Cadmium	0.215	0.073		mg/Kg-dry	8/25/2006 10:05:06 PM	
Lead	9.75	0.363		mg/Kg-dry	8/25/2006 10:05:06 PM	
Selenium	< 1.45	1.45		mg/Kg-dry	8/25/2006 10:05:06 PM	
Strontium	55.2	0.727		mg/Kg-dry	8/25/2006 10:05:06 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	92.9	30-148		%REC	8/19/2006 3:57:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	7,950	400		mg/Kg-dry	8/29/2006 1:30:00 PM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	24.7	0.141		mmhos/cm	8/29/2006 12:05:00 PM	
PERCENT MOISTURE		SW9071 #				CG
Percent Moisture	21.9	0.0100		wt%	8/17/2006	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/19/2006 3:57:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 3:57:00 PM	

- | | | |
|--------------------|---|---|
| Qualifiers: | +DO - Diluted out due to dilution | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | MI+ - Matrix Interference |
| | * - Value exceeds MCL or Permit Limitation | H - Exceeds Holding Time |



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CLIENT: ICON Environmental Services

Lab Order: L06080669

Project: VPSC White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080669-05 **Collection Date:** 8/10/2006 1:33:00 PM **Sample ID:** B-20 (1-3')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	2,400	M4500-CL B 400		mg/Kg-dry	8/29/2006 1:30:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	7.00	29B 0.102		mmhos/cm	8/29/2006 12:05:00 PM	CG
PERCENT MOISTURE Percent Moisture	78.4	SW9071 # 0.0100		wt%	8/17/2006	CG

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080669

Project: VPSC White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080669-06 **Collection Date:** 8/10/2006 1:35:00 PM **Sample ID:** B-20 (3-4.5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	7.31	1.37		mg/Kg-dry	8/25/2006 10:10:12 PM	
Barium	186	1.37		mg/Kg-dry	8/25/2006 10:10:12 PM	
Cadmium	0.373	0.137		mg/Kg-dry	8/25/2006 10:10:12 PM	
Lead	15.5	0.683		mg/Kg-dry	8/25/2006 10:10:12 PM	
Selenium	< 2.73	2.73		mg/Kg-dry	8/25/2006 10:10:12 PM	
Strontium	38.7	1.37		mg/Kg-dry	8/25/2006 10:10:12 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	85.3	30-148		%REC	8/19/2006 4:04:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	2,250	400		mg/Kg-dry	8/29/2006 1:30:00 PM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	7.82	0.121		mmhos/cm	8/29/2006 12:05:00 PM	
PERCENT MOISTURE		SW9071 #				CG
Percent Moisture	59.8	0.0100		wt%	8/17/2006	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/19/2006 4:04:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 4:04:00 PM	

- | | | |
|--------------------|---|---|
| Qualifiers: | +DO - Diluted out due to dilution | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | MI+ - Matrix Interference |
| | * - Value exceeds MCL or Permit Limitation | H - Exceeds Holding Time |



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CLIENT: ICON Environmental Services

Lab Order: L06080669

Project: VPSC White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080669-07 **Collection Date:** 8/10/2006 1:43:00 PM **Sample ID:** B-20 (7.5-10')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	6.15	1.13		mg/Kg-dry	8/25/2006 10:14:55 PM	
Barium	91.2	1.13		mg/Kg-dry	8/25/2006 10:14:55 PM	
Cadmium	0.408	0.113		mg/Kg-dry	8/25/2006 10:14:55 PM	
Lead	14.4	0.566		mg/Kg-dry	8/25/2006 10:14:55 PM	
Selenium	< 2.26	2.26		mg/Kg-dry	8/25/2006 10:14:55 PM	
Strontium	43.5	1.13		mg/Kg-dry	8/25/2006 10:14:55 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	1,900	400		mg/Kg-dry	8/29/2006 1:30:00 PM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	6.59	0.101		mmhos/cm	8/29/2006 12:05:00 PM	
PERCENT MOISTURE		SW9071 #				CG
Percent Moisture	54.8	0.0100		wt%	8/17/2006	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080669

Project: VPSC White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080669-09 **Collection Date:** 8/10/2006 2:10:00 PM **Sample ID:** B-18 (4-5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	4.42	1.21		mg/Kg-dry	8/25/2006 10:19:52 PM	
Barium	105	1.21		mg/Kg-dry	8/25/2006 10:19:52 PM	
Cadmium	0.304	0.121		mg/Kg-dry	8/25/2006 10:19:52 PM	
Lead	15.8	0.605		mg/Kg-dry	8/25/2006 10:19:52 PM	
Selenium	< 2.42	2.42		mg/Kg-dry	8/25/2006 10:19:52 PM	
Strontium	53.1	1.21		mg/Kg-dry	8/25/2006 10:19:52 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	85.7	30-148		%REC	8/19/2006 4:18:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	1,850	400		mg/Kg-dry	8/29/2006 1:30:00 PM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	8.10	0.129		mmhos/cm	8/29/2006 12:05:00 PM	
PERCENT MOISTURE		SW9071 #				CG
Percent Moisture	57.3	0.0100		wt%	8/17/2006	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/19/2006 4:18:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 4:18:00 PM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080669

Project: VPSC White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080669-10 **Collection Date:** 8/10/2006 2:14:00 PM **Sample ID:** B-18 (7.5-10')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	4.67	1.05		mg/Kg-dry	8/25/2006 10:34:21 PM	
Barium	94.9	1.05		mg/Kg-dry	8/25/2006 10:34:21 PM	
Cadmium	0.295	0.105		mg/Kg-dry	8/25/2006 10:34:21 PM	
Lead	15.6	0.525		mg/Kg-dry	8/25/2006 10:34:21 PM	
Selenium	< 2.10	2.10		mg/Kg-dry	8/25/2006 10:34:21 PM	
Strontium	30.7	1.05		mg/Kg-dry	8/25/2006 10:34:21 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	1,800	400		mg/Kg-dry	8/29/2006 1:30:00 PM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	12.9	0.159		mmhos/cm	8/29/2006 12:05:00 PM	
PERCENT MOISTURE		SW9071 #				CG
Percent Moisture	46.2	0.0100		wt%	8/17/2006	

- | | | |
|--------------------|---|---|
| Qualifiers: | +DO - Diluted out due to dilution | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | MI+ - Matrix Interference |
| | * - Value exceeds MCL or Permit Limitation | H - Exceeds Holding Time |



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CLIENT: ICON Environmental Services

Lab Order: L06080669

Project: VPSC White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080669-11 **Collection Date:** 8/10/2006 2:16:00 PM **Sample ID:** B-18 (10-11.5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	73.9	SW8015B 30-148		%REC	8/19/2006 4:25:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	1,950	M4500-CL B 400		mg/Kg-dry	8/29/2006 1:30:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	7.39	29B 0.103		mmhos/cm	8/29/2006 12:05:00 PM	CG
PERCENT MOISTURE Percent Moisture	56.7	SW9071 # 0.0100		wt%	8/17/2006	CG
TPH BY GC/FID TPH (Diesel Range)	< 10.0	SW8015B 10.0		mg/Kg	8/19/2006 4:25:00 PM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 4:25:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080669

Project: VPSC White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080669-12 **Collection Date:** 8/10/2006 2:55:00 PM **Sample ID:** B-19 (1-2.5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	5,050	M4500-CL B 400		mg/Kg-dry	8/29/2006 1:30:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	11.4	29B 0.102		mmhos/cm	8/29/2006 12:05:00 PM	CG
PERCENT MOISTURE Percent Moisture	87.5	SW9071 # 0.0100		wt%	8/17/2006	CG

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080669

Project: VPSC White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080669-13 **Collection Date:** 8/10/2006 2:57:00 PM **Sample ID:** B-19 (2.5-4')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	5,710	M4500-CL B 816		mg/Kg-dry	8/29/2006 1:30:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	6.80	29B 0.100		mmhos/cm	8/29/2006 12:05:00 PM	CG
PERCENT MOISTURE Percent Moisture	83.9	SW9071 # 0.0100		wt%	8/17/2006	CG

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080669

Project: VPSC White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080669-14 **Collection Date:** 8/10/2006 3:00:00 PM **Sample ID:** B-19 (4-6.5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	91.1	SW8015B 30-148		%REC	8/19/2006 4:31:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	1,270	M4500-CL B 80.0		mg/Kg-dry	8/29/2006 1:30:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	5.67	29B 0.100		mmhos/cm	8/29/2006 12:05:00 PM	CG
PERCENT MOISTURE Percent Moisture	82.5	SW9071 # 0.0100		wt%	8/17/2006	CG
TPH BY GC/FID TPH (Diesel Range)	< 10.0	SW8015B 10.0		mg/Kg	8/19/2006 4:31:00 PM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 4:31:00 PM	

- | | | |
|--------------------|---|---|
| Qualifiers: | +DO - Diluted out due to dilution | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | MI+ - Matrix Interference |
| | * - Value exceeds MCL or Permit Limitation | H - Exceeds Holding Time |



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CLIENT: ICON Environmental Services

Lab Order: L06080669

Project: VPSC White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080669-15 **Collection Date:** 8/10/2006 3:03:00 PM **Sample ID:** B-19 (6.5-9.5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	7.68	1.13		mg/Kg-dry	8/25/2006 10:39:05 PM	
Barium	175	1.13		mg/Kg-dry	8/25/2006 10:39:05 PM	
Cadmium	0.368	0.113		mg/Kg-dry	8/25/2006 10:39:05 PM	
Lead	14.1	0.564		mg/Kg-dry	8/25/2006 10:39:05 PM	
Selenium	< 2.26	2.26		mg/Kg-dry	8/25/2006 10:39:05 PM	
Strontium	39.1	1.13		mg/Kg-dry	8/25/2006 10:39:05 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	2,350	400		mg/Kg-dry	8/29/2006 1:30:00 PM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	8.28	0.124		mmhos/cm	8/29/2006 12:05:00 PM	
PERCENT MOISTURE		SW9071 #				CG
Percent Moisture	53.3	0.0100		wt%	8/17/2006	

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time

Sherry Laboratories/Louisiana

Date: 22-Mar-07

CLIENT: ICON Environmental Services
 Work Order: L06080669
 Project: VPSC White Lake

QC SUMMARY REPORT
 Method Blank

Sample ID:	MBLK	Batch ID:	6283	Test Code:	SW6010B	Units:	mg/Kg	Analysis Date:	8/25/2006 8:49:49 PM	Prep Date:	
Client ID:		Run ID:	I2-OPTIMA_060825A	SeqNo:	714638						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.010	0.010									
Barium	< 0.010	0.010									
Cadmium	< 0.0010	0.0010									
Lead	< 0.0050	0.0050									
Selenium	< 0.020	0.020									
Strontium	< 0.010	0.010									

Sample ID:	BLK 8-18 S	Batch ID:	6286	Test Code:	SW8015B	Units:	%	Analysis Date:	8/19/2006 2:14:00 PM	Prep Date:	
Client ID:		Run ID:	G2_060819B	SeqNo:	711240						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	436.2	0	500	0	87.2	30	148	0			

Sample ID:	MB-R4776	Batch ID:	R47776	Test Code:	M4500-CI B	Units:	mg/Kg-dry	Analysis Date:	8/29/2006 1:30:00 PM	Prep Date:	
Client ID:		Run ID:	MAN1-WC_060829B	SeqNo:	715397						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	< 4.0	4.0									

Sample ID:	BLK 8-18 S	Batch ID:	6286	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date:	8/19/2006 2:14:00 PM	Prep Date:	
Client ID:		Run ID:	G2_060819B	SeqNo:	711213						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	< 10	10									
TPH (Oil Range)	< 50	50									

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

Sherry Laboratories/Louisiana

Date: 22-Mar-07

CLIENT: ICON Environmental Services
 Work Order: L06080669
 Project: VPSC White Lake

QC SUMMARY REPORT
 Sample Duplicate

Sample ID: L06080668-05ADU Batch ID: R47876 Test Code: 29B Units: mmhos/cm Analysis Date 8/29/2006 12:05:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_060829E SeqNo: 727052

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	7.926	0.12	0	0	0	0	0	7.344	7.62	20	

Sample ID: L06080669-05ADU Batch ID: R47876 Test Code: 29B Units: mmhos/cm Analysis Date 8/29/2006 12:05:00 PM Prep Date:
 Client ID: B-20 (1-3') Run ID: MAN1-WC_060829E SeqNo: 727228

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	7.318	0.10	0	0	0	0	0	7.004	4.39	20	

Sample ID: L06080669-05ADU Batch ID: R47947 Test Code: SW9071 # Units: wt% Analysis Date 8/17/2006 Prep Date:
 Client ID: B-20 (1-3') Run ID: MAN1-WC_060817S SeqNo: 717548

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	83.9	0.010	0	0	0	0	0	78.4	6.78	20	

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

Sherry Laboratories/Louisiana

Date: 22-Mar-07

CLIENT: ICON Environmental Services
 Work Order: L06080669
 Project: VPSC White Lake

QC SUMMARY REPORT
 Sample Matrix Spike

Sample ID: L06080740-01CMS Batch ID: 6283 Test Code: SW6010B Units: mg/Kg Analysis Date 8/25/2006 10:48:48 PM Prep Date: 8/18/2006
 Client ID: Run ID: I2-OPTIMA_060825A SeqNo: 714658

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	38.84	0.55	27.6	6.708	116	75	125	0			
Barium	171.3	0.55	27.6	113.4	210	75	125	0			S
Cadmium	29.62	0.055	27.6	0.3595	106	75	125	0			
Lead	39.38	0.28	27.6	8.529	112	75	125	0			
Selenium	20.83	1.1	27.6	0	75.5	75	125	0			
Strontium	46.15	0.55	27.6	16.76	106	75	125	0			

Sample ID: L06080740-01CMS Batch ID: 6283 Test Code: SW6010B Units: mg/Kg Analysis Date 8/25/2006 10:54:02 PM Prep Date: 8/18/2006
 Client ID: Run ID: I2-OPTIMA_060825A SeqNo: 714659

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	39.91	0.55	27.52	6.708	121	75	125	38.84	2.71	20	
Barium	173.5	0.55	27.52	113.4	218	75	125	171.3	1.28	20	S
Cadmium	30.03	0.055	27.52	0.3595	108	75	125	29.62	1.38	20	
Lead	39.93	0.28	27.52	8.529	114	75	125	39.38	1.37	20	
Selenium	21.95	1.1	27.52	0	79.7	75	125	20.83	5.23	20	
Strontium	46.87	0.55	27.52	16.76	109	75	125	46.15	1.56	20	

Sample ID: L06080668-13AMS Batch ID: 6286 Test Code: SW8015B Units: % Analysis Date 8/19/2006 1:26:00 PM Prep Date: 8/18/2006
 Client ID: Run ID: G2_060819B SeqNo: 711234

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	483.8	0	500	0	96.8	30	148	0			

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

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

CLIENT: ICON Environmental Services
Work Order: L06080669
Project: VPSC White Lake

Sample ID: L06080668-13AMS Batch ID: 6286 Test Code: SW8015B Units: % Analysis Date 8/19/2006 1:33:00 PM Prep Date: 8/18/2006
 Client ID: Run ID: G2_060819B SeqNo: 711235

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	415.2	0	500	0	83	30	148	0			

Sample ID: L06080668-13AMS Batch ID: 6286 Test Code: SW8015B Units: % Analysis Date 8/19/2006 1:53:00 PM Prep Date: 8/18/2006
 Client ID: Run ID: G2_060819B SeqNo: 711238

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	453.4	0	500	0	90.7	30	148	0			

Sample ID: L06080669-05AMS Batch ID: R47776 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 8/19/2006 2:00:00 PM Prep Date: 8/18/2006
 Client ID: B-20 (1-3') Run ID: MAN1-WC_060829B SeqNo: 711239

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	428.6	0	500	0	85.7	30	148	0			

Sample ID: L06080669-05AMS Batch ID: R47776 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 8/29/2006 1:30:00 PM Prep Date: 8/18/2006
 Client ID: B-20 (1-3') Run ID: MAN1-WC_060829B SeqNo: 715420

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	7350	400	5263	2400	94.1	80	120	0			

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

CLIENT: ICON Environmental Services
Work Order: L06080669
Project: VPSC White Lake

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: L06080668-13AMS Batch ID: 6286 Test Code: SW8015B Units: mg/Kg Analysis Date 8/19/2006 1:26:00 PM Prep Date: 8/18/2006
 Client ID: Run ID: G2_060819B SeqNo: 711207

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	83.58	10	100	0	83.6	43.2	135	0			

Sample ID: L06080668-13AMS Batch ID: 6286 Test Code: SW8015B Units: mg/Kg Analysis Date 8/19/2006 1:33:00 PM Prep Date: 8/18/2006
 Client ID: Run ID: G2_060819B SeqNo: 711208

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	71.87	10	100	0	71.9	43.2	135	83.58	15.1	40	

Sample ID: L06080668-13AMS Batch ID: 6286 Test Code: SW8015B Units: mg/Kg Analysis Date 8/19/2006 1:53:00 PM Prep Date: 8/18/2006
 Client ID: Run ID: G2_060819B SeqNo: 711211

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	97.38	50	100	0	97.4	43.2	135	0			

Sample ID: L06080668-13AMS Batch ID: 6286 Test Code: SW8015B Units: mg/Kg Analysis Date 8/19/2006 2:00:00 PM Prep Date: 8/18/2006
 Client ID: Run ID: G2_060819B SeqNo: 711212

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	86.44	50	100	0	86.4	43.2	135	97.38	11.9	40	

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

Sherry Laboratories/Louisiana

Date: 22-Mar-07

CLIENT: ICON Environmental Services
 Work Order: L06080669
 Project: VPSC White Lake

QC SUMMARY REPORT
 Laboratory Control Spike - generic

Sample ID: LCS LOT # 05F20 Batch ID: 6283 Test Code: SW6010B Units: mg/Kg Analysis Date 8/25/2006 8:58:57 PM Prep Date:
 Client ID: Run ID: I2-OPTIMA_060825A SeqNo: 714640

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5034	0.010	0.5	0	101	75	125	0			
Barium	0.4915	0.010	0.5	0	98.3	75	125	0			
Cadmium	0.4933	0.0010	0.5	0	98.7	75	125	0			
Lead	0.4978	0.0050	0.5	0	99.6	75	125	0			
Selenium	0.4877	0.020	0.5	0	97.5	75	125	0			
Strontium	0.4887	0.010	0.5	0	97.7	75	125	0			

Sample ID: LCSD LOT # 05F2 Batch ID: 6283 Test Code: SW6010B Units: mg/Kg Analysis Date 8/25/2006 9:03:56 PM Prep Date:
 Client ID: Run ID: I2-OPTIMA_060825A SeqNo: 714641

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5047	0.010	0.5	0	101	75	125	0.4975	1.43	20	
Barium	0.491	0.010	0.5	0	98.2	75	125	0.4966	1.13	20	
Cadmium	0.491	0.0010	0.5	0	98.2	75	125	0.4966	1.13	20	
Lead	0.4999	0.0050	0.5	0	100	75	125	0.496	0.775	20	
Selenium	0.4987	0.020	0.5	0	99.7	75	125	0.4829	3.21	20	
Strontium	0.4907	0.010	0.5	0	98.1	75	125	0.4927	0.403	20	

Sample ID: LCS-D 8-18 S Batch ID: 6286 Test Code: SW8015B Units: % Analysis Date 8/19/2006 1:13:00 PM Prep Date: 8/18/2006
 Client ID: Run ID: G2_060819B SeqNo: 711232

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	476.1	0	500	0	95.2	30	148	0			

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

CLIENT: ICON Environmental Services
Work Order: L06080669
Project: VPSC White Lake

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID: **LCSD-D 8-18 S** Batch ID: **6286** Test Code: **SW8015B** Units: % Analysis Date **8/19/2006 1:19:00 PM** Prep Date: **8/18/2006**
 Client ID: Run ID: **G2_060819B** SeqNo: **711233**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	456	0	500	0	91.2	30	148	0			

Sample ID: **LCS-MO 8-18 S** Batch ID: **6286** Test Code: **SW8015B** Units: % Analysis Date **8/19/2006 1:40:00 PM** Prep Date: **8/18/2006**
 Client ID: Run ID: **G2_060819B** SeqNo: **711236**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	416.2	0	500	0	83.2	30	148	0			

Sample ID: **LCSD-MO 8-18 S** Batch ID: **6286** Test Code: **SW8015B** Units: % Analysis Date **8/19/2006 1:47:00 PM** Prep Date: **8/18/2006**
 Client ID: Run ID: **G2_060819B** SeqNo: **711237**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	454.5	0	500	0	90.9	30	148	0			

Sample ID: **LCS-R47776** Batch ID: **R47776** Test Code: **M4500-C1B** Units: **mg/Kg-dry** Analysis Date **8/29/2006 1:30:00 PM** Prep Date:
 Client ID: Run ID: **MAN1-WC_060829B** SeqNo: **715398**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	960	4.0	1000	1.8	95.8	80	120	0			

Sample ID: **LCSD** Batch ID: **R47776** Test Code: **M4500-C1B** Units: **mg/Kg-dry** Analysis Date **8/29/2006 1:30:00 PM** Prep Date:
 Client ID: Run ID: **MAN1-WC_060829B** SeqNo: **715419**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	1010	4.0	1000	0	101	80	120	960	5.08	20	

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

CLIENT: ICON Environmental Services
Work Order: L06080669
Project: VPSC White Lake

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: **LCS-R47876** Batch ID: **R47876** Test Code: **29B** Units: **mmhos/cm** Analysis Date **8/29/2006 12:05:00 PM** Prep Date:
 Client ID: Run ID: **MAN1-WC_060829E** SeqNo: **716718**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	0.481	0.10	0.449	0	107	80	120	0			

Sample ID: **LCS-R47876** Batch ID: **R47876** Test Code: **29B** Units: **mmhos/cm** Analysis Date **8/29/2006 12:05:00 PM** Prep Date:
 Client ID: Run ID: **MAN1-WC_060829E** SeqNo: **727053**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	0.465	0.10	0.449	0	104	80	120	0			

Sample ID: **LCS-D 8-18 S** Batch ID: **6286** Test Code: **SW8015B** Units: **mg/Kg** Analysis Date **8/19/2006 1:13:00 PM** Prep Date: **8/18/2006**
 Client ID: Run ID: **G2_060819B** SeqNo: **711205**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	84.82	10	100	0	84.8	43.2	135	0			

Sample ID: **LCS-D 8-18 S** Batch ID: **6286** Test Code: **SW8015B** Units: **mg/Kg** Analysis Date **8/19/2006 1:19:00 PM** Prep Date: **8/18/2006**
 Client ID: Run ID: **G2_060819B** SeqNo: **711206**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	78.93	10	100	0	78.9	43.2	135	84.82	7.2	40	

Sample ID: **LCS-MO 8-18 S** Batch ID: **6286** Test Code: **SW8015B** Units: **mg/Kg** Analysis Date **8/19/2006 1:40:00 PM** Prep Date: **8/18/2006**
 Client ID: Run ID: **G2_060819B** SeqNo: **711209**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	90.2	50	100	0	90.2	43.2	135	0			

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

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

CLIENT: ICON Environmental Services
Work Order: L06080669
Project: VPSC White Lake

Sample ID: LCSD-MO 8-18 S **Batch ID:** 6286 **Test Code:** SW8015B **Units:** mg/Kg **Analysis Date:** 8/19/2006 1:47:00 PM **Prep Date:** 8/18/2006
Client ID: **Run ID:** G2_060819B **SeqNo:** 711210

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	93.25	50	100	0	93.2	43.2	135	90.2	3.33	40	

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



Sherry Laboratories - Chain of Custody Record

Laboratory Number: **LAB USE ONLY**

Client Information: Ikon Environmental
 Greg Miller
 1055 Convent Road St.
 2nd floor
 Baton Rouge LA 70802
 225-344-8440
 Ext:

Billing Information: SAME
 PO Number:
 Quote Number:
 Required QC Level:

Matrix Code:
 AQ = Aqueous
 DW = Drinking Water
 WW = Waste
 MW = Monit. Well
 LQ = Liquid
 SO = Soil
 O = Oil
 SL = Sludge
 F = Food
 SW = Swab
 SOL = Solid

Which Regulations Apply:
 RCRA
 POTW
 NPDES
 USDA/FDA
 RECAP/RISC

Matrix Code:
 AQ = Aqueous
 DW = Drinking Water
 WW = Waste
 MW = Monit. Well
 LQ = Liquid
 SO = Soil
 O = Oil
 SL = Sludge
 F = Food
 SW = Swab
 SOL = Solid

Project Name/Number: VPSC WHITE LAKE
 9077-041-0000
Sampler's Signature:
Shipping Method: UPS / FedEx / Airborne
 DHL / Sherry / Hand / Mail

Turn Time:
 Standard
 1 Day
 2 Day
 Other
 (Rush turn times will incur a surcharge and must be pre-approved by lab.)

Page 1 of 2

Sample ID/Description	Matrix Code:		Date		Time		Matrix		Quantity	Container Type G=Glass, V=Vial	Pres.	Requested Tests				Comments
	Drinking Water	Distribution	Special	State	Other	Grab/Composite	Time	Matrix				HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₈	% Moisture	Metals	TPH-D/O	
B-17 (0'-3')	<input type="checkbox"/>	8/10/06	12:47	Grab	SL	G	none	X				Metals				
B-17 (3'-6')	<input type="checkbox"/>	8/10/06	12:50	Grab	SL	G	none	X	X			As, Ba, Cd				
B-17 (8.5'-10.5')	<input type="checkbox"/>	8/10/06	13:00	Grab	SL	G	none	X	X			Pb, Se, Sr				
B-17 (10.5'-12')	<input type="checkbox"/>	8/10/06	13:05	Grab	SL	G	none	X	X			TPH-D/O				
B-20 (1'-3')	<input type="checkbox"/>	8/10/06	13:33	Grab	SL	G	none	X				Metals				
B-20 (3'-4.5')	<input type="checkbox"/>	8/10/06	13:35	Grab	SL	G	none	X	X			Metals				
B-20 (7.5'-10')	<input type="checkbox"/>	8/10/06	13:43	Grab	SL	G	none	X	X			Metals				
B-18 (2'-4')	<input type="checkbox"/>	8/10/06	14:07	Grab	SL	G	none	X	X			Metals				
B-18 (4'-5')	<input type="checkbox"/>	8/10/06	14:10	Grab	SL	G	none	X	X			Metals				
B-12 (7.5'-10')	<input type="checkbox"/>	8/10/06	14:14	Grab	SL	G	none	X	X			Metals				

Relinquished by	Date/Time	Received by	Date/Time	Field Notes

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

2203 S. Madison St.
 Muncie, In 47302
 765-747-9000
 Fax: 765-747-0228

629 Washington St.
 Suite 300
 Columbus, In 47201
 812-375-0531
 Fax: 812-375-0731

5738 Industrial Rd.
 Fort Wayne, In 46825
 260-471-7000
 Fax: 260-471-7777

2417 W. Pinhook Rd
 Lafayette, LA 70508
 337-235-0483
 Fax: 337-233-6540

6825 E. 38th Street
 Tulsa, OK 74145
 918-828-9977
 Fax: 918-828-7756

Part 1 - Laboratory Copy Part 2 - Report Copy Part 3 - Client's Temporary Copy



Sherry Laboratories - Chain of Custody Record

Laboratory Number: **Lab use only**

Client Information: **Billing Information:** **PO Number:** **Project Name/Number:** **Page 2 of 2**
 ICON Environmental **SAME** **Quote Number:** **VPSB WHITE LAKE**
 Greg Miller **Required QC Level:** **9077-041-0800**
 1055 Constitution St **Bill Monthly:** **Sampler's Signature:**
 2nd floor **Yes** **Shipping Method:**
 Baton Rouge LA 70803 **No** **UPS / FedEx / Airborne**
 225-344-2440 **Ext:** **DHL / Sherry / Hand / Mail**

Sample ID/Description	Matrix Code:		Date	Time	Matrix	Quantity	Container Type P=Plastic, V=Vial	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₈	Requested Tests			Comments
	AQ = Aqueous	SO = Soil							C/EC	TPH-D/O	Metals	
B-18 (10'-11.5')	<input type="checkbox"/> RCRA	<input type="checkbox"/> Drinking Water	8/10/06	14:10	GRAB SL	1	G	None	X	X	X	Metals As, Ba, Cd Pb, Se, Sr TPH-D/O Method 8015B
B-19 (1'-2.5')	<input type="checkbox"/> POTW	<input type="checkbox"/> Distribution	↓	14:55	↓	1	↓	↓	X	X	X	
B-19 (2.5'-4')	<input type="checkbox"/> NPDES	<input type="checkbox"/> Special	↓	14:57	↓	1	↓	↓	X	X	X	
B-19 (4'-6.5')	<input type="checkbox"/> USDA/FDA	<input type="checkbox"/> State	↓	15:00	↓	1	↓	↓	X	X	X	
B-19 (6.5'-9.5')	<input type="checkbox"/> RECAP/RISC	<input type="checkbox"/> Other	8/10/06	15:03	GRAB SL	1	G	None	X	X	X	

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
Sherrill D. King	8/14/06 17:05	Dale M. Drea	8/14/06 17:05	

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

2203 S. Madison St.
 Muncie, In 47302
 765-747-9000
 Fax: 765-747-0228

629 Washington St.
 Suite 300
 Columbus, In 47201
 812-375-0531
 Fax: 812-375-0731

2417 W. Pinhook Rd
 Lafayette, LA 70508
 337-235-0483
 Fax: 337-233-6540

6825 E. 38th Street
 Tulsa, OK 74145
 918-828-9977
 Fax: 918-828-7756

Part 1 - Laboratory Copy Part 2 - Report Copy Part 3 - Client's Temporary Copy

SAMPLE LOG-IN CHECK LIST

Chain of Custody

Yes	No	N/A	Were seals, if present, intact?
Yes	No		Is Chain of Custody complete? If no, please comment below.
			How was the sample delivered? Sherry FedEx UPS <u>Hand</u> Other: _____

Log In

Yes	No	N/A	Was an attempt made to cool the samples? Temperature: <u>4</u> Ambient
Yes	No		N/A Are samples properly preserved?
			If preservative added to bottles, which bottles? _____
Yes	No	N/A	Is the headspace in the VOA vials less than ¼ inch or 6 mm?
Yes	No	N/A	Are VOA vials preserved with HCl?
Yes	No		Does paperwork match bottle labels? (Note discrepancies on Chain of Custody)
Yes	No		Are matrices correctly identified on Chain of Custody?
Yes	No		Is it clear what analyses were requested?
Yes	No		Are we able to meet all holding times? (If no, notify customer for authorization.)

Special Handling (if applicable)

Yes	No	N/A	Was client notified of all discrepancies with this order? Person notified: _____ Date: _____ Time: _____ By whom? _____ Via: Phone Fax In Person Regarding: _____ Report / Do Not Report
Yes	No	N/A	Was other special handling completed? Explain: _____

Notes:

No sampler signature

Customer: Icons Laboratory Work Order # 6080669
 Log In Signature: Burdorf Date: 8-14-06 Time: 1705



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(800) 737-2378

Greg Miller
ICON Environmental Services
1055 Convention Street, 2nd Floor
Baton Rouge, LA 708024771
TEL: (225) 344-8490
FAX (225) 344-6654

March 22, 2007
Order No.: L06080668

B6 (3-6.5)
B7 (1-A)(4.5)(8-11)
B9 (6-0.5)(6.5-3.5)(7-8)(8.5)
B10 (1.5-4)(4-7.5)
B12 (0-1.5)(3.5-5)
(6.5-7.5)
B13 (3-5)(7.5-9.5)

RE: VPSB White Lake

Dear Greg Miller:

Sherry Laboratories/Louisiana received 15 samples on 8/14/2006 for the analyses presented in the following report.

In accordance with your instructions, Sherry Laboratories/Louisiana conducted the analysis shown on the following pages on samples submitted by your company. The results related only to the items tested. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet all requirements of NELAC. All relevant sampling information is on the attached Chain-of-Custody form. A "#" by the test method indicates this parameter is outside the scope of accreditation.

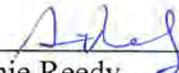
All soil samples except 29-B data are on a wet-weight basis unless otherwise indicated.

Louisiana Certification/Accreditation: 01997

A scope of Certified/Accredited parameters is available upon request.

If you have any questions regarding these test results, please feel free to call.

Sincerely,
Jerry Landry
Laboratory Director

Approved By: 
Annie Reedy
Assistant Laboratory Director

Total Pages in this Report 34

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(800) 737-2378

Date: 22-Mar-07

CLIENT: ICON Environmental Services
Project: VPSB White Lake
Lab Order: L06080668

CASE NARRATIVE

Unless specified by the client, a duplicate or MS/MSD, wherever applicable, is randomly selected and analyzed from each analytical batch. The sample chosen for duplicate or MS/MSD may or may not be a sample submitted in this workorder. A method blank and/or a lab control sample (LCS)/lab control sample duplicate (LCSD), wherever applicable, are processed as a quality control check for each analytical batch. When the matrix QC results indicate possible matrix effect, the validity of the batch is determined by the method blank and LCS/LCSD.

Any other exceptions associated with this report will be footnoted in the results page(s) or the QC summary page(s).

3-22-07 Report re-issued to correct the metals data on a dry weight basis as per client request.

CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080668-01 **Collection Date:** 8/9/2006 1:07:00 PM **Sample ID:** B-6 (3-10.5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	90.6	30-148		%REC	8/18/2006 5:59:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	1,380	80.0		mg/Kg-dry	8/29/2006 8:45:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	5.17	0.118		mmhos/cm	8/29/2006 12:05:00 PM	CG
PERCENT MOISTURE Percent Moisture	46.6	0.0100		wt%	8/16/2006	CG
TPH BY GC/FID TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/18/2006 5:59:00 AM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/18/2006 5:59:00 AM	SBH

Qualifiers:

+DO - Diluted out due to dilution

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds MCL or Permit Limitation

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

MI+ - Matrix Interference

H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080668-02 **Collection Date:** 8/9/2006 1:50:00 PM **Sample ID:** B-7 (1-4')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	4,050	M4500-CL B 400		mg/Kg-dry	8/29/2006 8:45:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	8.14	29B 0.109		mmhos/cm	8/29/2006 12:05:00 PM	CG
PERCENT MOISTURE Percent Moisture	84.0	SW9071 # 0.0100		wt%	8/16/2006	CG

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080668-03 **Collection Date:** 8/9/2006 1:52:00 PM **Sample ID:** B-7 (4-5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	8.25	1.28		mg/Kg-dry	8/25/2006 9:08:55 PM	
Barium	141	1.28		mg/Kg-dry	8/25/2006 9:08:55 PM	
Cadmium	0.475	0.128		mg/Kg-dry	8/25/2006 9:08:55 PM	
Lead	16.7	0.640		mg/Kg-dry	8/25/2006 9:08:55 PM	
Selenium	< 2.56	2.56		mg/Kg-dry	8/25/2006 9:08:55 PM	
Strontium	69.9	1.28		mg/Kg-dry	8/25/2006 9:08:55 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	84.6	30-148		%REC	8/18/2006 6:06:00 AM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	2,250	400		mg/Kg-dry	8/29/2006 8:45:00 AM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	12.9	0.155		mmhos/cm	8/29/2006 12:05:00 PM	
PERCENT MOISTURE		SW9071 #				CG
Percent Moisture	56.0	0.0100		wt%	8/16/2006	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/18/2006 6:06:00 AM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/18/2006 6:06:00 AM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080668-04 **Collection Date:** 8/9/2006 1:58:00 PM **Sample ID:** B-7 (8-11')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	83.2	30-148		%REC	8/18/2006 6:12:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	440	80.0		mg/Kg-dry	8/29/2006 8:45:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	2.85	0.112		mmhos/cm	8/29/2006 12:05:00 PM	CG
PERCENT MOISTURE Percent Moisture	28.7	0.0100		wt%	8/16/2006	CG
TPH BY GC/FID TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/18/2006 6:12:00 AM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/18/2006 6:12:00 AM	SBH

Qualifiers:

+DO - Diluted out due to dilution

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds MCL or Permit Limitation

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

MI+ - Matrix Interference

H - Exceeds Holding Time

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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080668-05 **Collection Date:** 8/9/2006 2:23:00 PM **Sample ID:** B-10 (1.5-4')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	M4500-CL B 2,700	400		mg/Kg-dry	8/29/2006 8:45:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29B 7.34	0.109		mmhos/cm	8/29/2006 12:05:00 PM	CG
PERCENT MOISTURE Percent Moisture	SW9071 # 70.2	0.0100		wt%	8/16/2006	CG

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080668-06 **Collection Date:** 8/9/2006 2:26:00 PM **Sample ID:** B-10 (4-7.5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	5.81	1.11		mg/Kg-dry	8/25/2006 9:13:54 PM	
Barium	190	1.11		mg/Kg-dry	8/25/2006 9:13:54 PM	
Cadmium	0.562	0.111		mg/Kg-dry	8/25/2006 9:13:54 PM	
Lead	17.2	0.555		mg/Kg-dry	8/25/2006 9:13:54 PM	
Selenium	< 2.22	2.22		mg/Kg-dry	8/25/2006 9:13:54 PM	
Strontium	43.8	1.11		mg/Kg-dry	8/25/2006 9:13:54 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	80.6	30-148		%REC	8/18/2006 6:19:00 AM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	1,300	80.0		mg/Kg-dry	8/29/2006 8:45:00 AM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	8.07	0.141		mmhos/cm	8/29/2006 12:05:00 PM	
PERCENT MOISTURE		SW9071 #				CG
Percent Moisture	46.5	0.0100		wt%	8/16/2006	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/18/2006 6:19:00 AM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/18/2006 6:19:00 AM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080668-07 **Collection Date:** 8/9/2006 2:51:00 PM **Sample ID:** B-9 (0-0.5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	8.17	2.01		mg/Kg-dry	8/25/2006 9:18:51 PM	
Barium	368	2.01		mg/Kg-dry	8/25/2006 9:18:51 PM	
Cadmium	0.644	0.201		mg/Kg-dry	8/25/2006 9:18:51 PM	
Lead	23.1	1.00		mg/Kg-dry	8/25/2006 9:18:51 PM	
Selenium	< 4.01	4.01		mg/Kg-dry	8/25/2006 9:18:51 PM	
Strontium	64.1	2.01		mg/Kg-dry	8/25/2006 9:18:51 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	88.5	30-148		%REC	8/19/2006 2:21:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	7,390	441		mg/Kg-dry	8/29/2006 8:45:00 AM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	13.4	0.100		mmhos/cm	8/29/2006 12:05:00 PM	
PERCENT MOISTURE		SW9071 #				CG
Percent Moisture	74.4	0.0100		wt%	8/16/2006	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	13.2	10.0		mg/Kg	8/19/2006 2:21:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 2:21:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080668-08 **Collection Date:** 8/9/2006 2:54:00 PM **Sample ID:** B-9 (0.5-3.5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	89.8	SW8015B 30-148		%REC	8/19/2006 2:28:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	6,950	M4500-CL B 400		mg/Kg-dry	8/29/2006 8:45:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	16.7	29B 0.119		mmhos/cm	8/29/2006 12:05:00 PM	CG
PERCENT MOISTURE Percent Moisture	71.1	SW9071 # 0.0100		wt%	8/16/2006	CG
TPH BY GC/FID TPH (Diesel Range)	< 10.0	SW8015B 10.0		mg/Kg	8/19/2006 2:28:00 PM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 2:28:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080668-09 **Collection Date:** 8/9/2006 2:58:00 PM **Sample ID:** B-9 (7-8')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	1,160	M4500-CL B 80.0		mg/Kg-dry	8/29/2006 8:45:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	7.41	29B 0.155		mmhos/cm	8/29/2006 12:05:00 PM	CG
PERCENT MOISTURE Percent Moisture	54.4	SW9071 # 0.0100		wt%	8/16/2006	CG

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080668-10 **Collection Date:** 8/9/2006 3:01:00 PM **Sample ID:** B-9 (8-9')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						
						STS
Arsenic	27.8	0.771		mg/Kg-dry	8/25/2006 9:35:53 PM	
Barium	298	0.771		mg/Kg-dry	8/25/2006 9:35:53 PM	
Cadmium	0.839	0.077		mg/Kg-dry	8/25/2006 9:35:53 PM	
Lead	16.1	0.385		mg/Kg-dry	8/25/2006 9:35:53 PM	
Selenium	< 1.54	1.54		mg/Kg-dry	8/25/2006 9:35:53 PM	
Strontium	23.4	0.771		mg/Kg-dry	8/25/2006 9:35:53 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)						
Surr: n-Pentacosane	91.9	30-148		%REC	8/19/2006 2:35:00 PM	SBH
SOLUBLE CHLORIDE						
Chlorides	240	40.0		mg/Kg-dry	8/29/2006 8:45:00 AM	SP
ELECTRICAL CONDUCTIVITY						
Electrical Conductivity	3.77	0.130		mmhos/cm	8/29/2006 12:05:00 PM	CG
PERCENT MOISTURE						
Percent Moisture	34.5	0.0100		wt%	8/16/2006	CG
TPH BY GC/FID						
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/19/2006 2:35:00 PM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 2:35:00 PM	

- | | | |
|--------------------|---|---|
| Qualifiers: | +DO - Diluted out due to dilution | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | MI+ - Matrix Interference |
| | * - Value exceeds MCL or Permit Limitation | H - Exceeds Holding Time |



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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080668-12 **Collection Date:** 8/10/2006 10:10:00 A **Sample ID:** B-12 (3.5-5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	7.66	1.01		mg/Kg-dry	8/25/2006 9:40:39 PM	
Barium	92.6	1.01		mg/Kg-dry	8/25/2006 9:40:39 PM	
Cadmium	0.539	0.101		mg/Kg-dry	8/25/2006 9:40:39 PM	
Lead	19.8	0.505		mg/Kg-dry	8/25/2006 9:40:39 PM	
Selenium	< 2.02	2.02		mg/Kg-dry	8/25/2006 9:40:39 PM	
Strontium	49.3	1.01		mg/Kg-dry	8/25/2006 9:40:39 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	86.8	30-148		%REC	8/19/2006 2:48:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	1,200	400		mg/Kg-dry	8/29/2006 1:30:00 PM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	8.33	0.140		mmhos/cm	8/29/2006 12:05:00 PM	
PERCENT MOISTURE		SW9071 #				CG
Percent Moisture	49.6	0.0100		wt%	8/16/2006	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/19/2006 2:48:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 2:48:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080668-13 **Collection Date:** 8/10/2006 10:14:00 A **Sample ID:** B-12 (6.5-7.5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	4.88	0.683		mg/Kg-dry	8/25/2006 9:45:37 PM	
Barium	162	0.683		mg/Kg-dry	8/25/2006 9:45:37 PM	
Cadmium	3.45	0.068		mg/Kg-dry	8/25/2006 9:45:37 PM	
Lead	16.4	0.341		mg/Kg-dry	8/25/2006 9:45:37 PM	
Selenium	< 1.37	1.37		mg/Kg-dry	8/25/2006 9:45:37 PM	
Strontium	15.3	0.683		mg/Kg-dry	8/25/2006 9:45:37 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	89.2	30-148		%REC	8/19/2006 2:55:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	690	80.0		mg/Kg-dry	8/29/2006 1:30:00 PM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	6.55	0.177		mmhos/cm	8/29/2006 12:05:00 PM	
PERCENT MOISTURE		SW9071 #				CG
Percent Moisture	24.2	0.0100		wt%	8/16/2006	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/19/2006 2:55:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 2:55:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080668-14 **Collection Date:** 8/10/2006 12:20:00 PM **Sample ID:** B-13 (3-5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	4.32	1.22		mg/Kg-dry	8/25/2006 9:50:39 PM	
Barium	125	1.22		mg/Kg-dry	8/25/2006 9:50:39 PM	
Cadmium	0.424	0.122		mg/Kg-dry	8/25/2006 9:50:39 PM	
Lead	16.0	0.610		mg/Kg-dry	8/25/2006 9:50:39 PM	
Selenium	< 2.44	2.44		mg/Kg-dry	8/25/2006 9:50:39 PM	
Strontium	44.0	1.22		mg/Kg-dry	8/25/2006 9:50:39 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	92.4	30-148		%REC	8/19/2006 3:02:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	1,090	80.0		mg/Kg-dry	8/29/2006 1:30:00 PM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	8.20	0.147		mmhos/cm	8/29/2006 12:05:00 PM	
PERCENT MOISTURE		SW9071 #				CG
Percent Moisture	52.7	0.0100		wt%	8/17/2006	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/19/2006 3:02:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 3:02:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080668-15 **Collection Date:** 8/10/2006 12:24:00 PM **Sample ID:** B-13 (7.5-9.5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	23.1	0.821		mg/Kg-dry	8/25/2006 9:55:20 PM	
Barium	266	0.821		mg/Kg-dry	8/25/2006 9:55:20 PM	
Cadmium	0.734	0.082		mg/Kg-dry	8/25/2006 9:55:20 PM	
Lead	16.5	0.411		mg/Kg-dry	8/25/2006 9:55:20 PM	
Selenium	< 1.64	1.64		mg/Kg-dry	8/25/2006 9:55:20 PM	
Strontium	16.5	0.821		mg/Kg-dry	8/25/2006 9:55:20 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	97.2	30-148		%REC	8/19/2006 3:09:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	340	80.0		mg/Kg-dry	8/29/2006 1:30:00 PM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	5.22	0.138		mmhos/cm	8/29/2006 12:05:00 PM	
PERCENT MOISTURE		SW9071 #				CG
Percent Moisture	30.5	0.0100		wt%	8/17/2006	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/19/2006 3:09:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 3:09:00 PM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

Sherry Laboratories/Louisiana

Date: 22-Mar-07

CLIENT: ICON Environmental Services
 Work Order: L06080668
 Project: VPSB White Lake

QC SUMMARY REPORT
 Method Blank

Sample ID: MBLK Batch ID: 6283 Test Code: SW6010B Units: mg/Kg Analysis Date 8/25/2006 8:49:49 PM Prep Date: 8/17/2006
 Client ID: Run ID: I2-OPTIMA_060825A SeqNo: 714638

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.010	0.010									
Barium	< 0.010	0.010									
Cadmium	< 0.0010	0.0010									
Lead	< 0.0050	0.0050									
Selenium	< 0.020	0.020									
Strontium	< 0.010	0.010									

Sample ID: BLK 8-17 S Batch ID: 6285 Test Code: SW8015B Units: % Analysis Date 8/18/2006 3:45:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710739

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	416.3	0	500	0	83.3	30	148	0			

Sample ID: BLK 8-18 S Batch ID: 6286 Test Code: SW8015B Units: % Analysis Date 8/19/2006 2:14:00 PM Prep Date: 8/18/2006
 Client ID: Run ID: G2_060819B SeqNo: 711240

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	436.2	0	500	0	87.2	30	148	0			

Sample ID: MB-R47775 Batch ID: R47775 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 8/29/2006 8:45:00 AM Prep Date: 8/29/2006
 Client ID: Run ID: MAN1-WC_060829A SeqNo: 715372

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	< 4.0	4.0									

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

QC SUMMARY REPORT

Method Blank

CLIENT: ICON Environmental Services
Work Order: L06080668
Project: VPSB White Lake

Sample ID: **MB-R47776** Batch ID: **R47776** Test Code: **M4500-CI B** Units: **mg/Kg-dry** Analysis Date: **8/29/2006 1:30:00 PM** Prep Date:
 Client ID: Run ID: **MAN1-WC_060829B** SeqNo: **715397**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	< 4.0			4.0							

Sample ID: **BLK 8-17 S** Batch ID: **6285** Test Code: **SW8015B** Units: **mg/Kg** Analysis Date: **8/18/2006 3:45:00 AM** Prep Date: **8/17/2006**
 Client ID: Run ID: **G2_060817C** SeqNo: **710711**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	< 10			10							
TPH (Oil Range)	< 50			50							

Sample ID: **BLK 8-18 S** Batch ID: **6286** Test Code: **SW8015B** Units: **mg/Kg** Analysis Date: **8/19/2006 2:14:00 PM** Prep Date: **8/18/2006**
 Client ID: Run ID: **G2_060819B** SeqNo: **711213**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	< 10			10							
TPH (Oil Range)	< 50			50							

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

Sherry Laboratories/Louisiana

Date: 22-Mar-07

CLIENT: ICON Environmental Services
 Work Order: L06080668
 Project: VPSB White Lake

QC SUMMARY REPORT
 Sample Duplicate

Sample ID: L06080668-05ADU	Batch ID: R47876	Test Code: 29B	Units: mmhos/cm	Analysis Date 8/29/2006 12:05:00 PM	Prep Date:						
Client ID: B-10 (1.5-4')		Run ID: MAN1-WC_060829E		SeqNo: 727052							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	7.926	0.12	0	0	0	0	0	7.344	7.62	20	

Sample ID: L06080669-05ADU	Batch ID: R47876	Test Code: 29B	Units: mmhos/cm	Analysis Date 8/29/2006 12:05:00 PM	Prep Date:						
Client ID:		Run ID: MAN1-WC_060829E		SeqNo: 727228							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	7.318	0.10	0	0	0	0	0	7.004	4.39	20	

Sample ID: L06080668-05ADU	Batch ID: R47667	Test Code: SW9071 #	Units: wt%	Analysis Date 8/16/2006	Prep Date:						
Client ID: B-10 (1.5-4')		Run ID: MAN1-WC_060816L		SeqNo: 713710							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	65.9	0.010	0	0	0	0	0	70.2	6.32	20	

Sample ID: L06080669-05ADU	Batch ID: R47947	Test Code: SW9071 #	Units: wt%	Analysis Date 8/17/2006	Prep Date:						
Client ID:		Run ID: MAN1-WC_060817S		SeqNo: 717548							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	83.9	0.010	0	0	0	0	0	78.4	6.78	20	

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

Sherry Laboratories/Louisiana

Date: 22-Mar-07

CLIENT: ICON Environmental Services
 Work Order: L06080668
 Project: VPSB White Lake

QC SUMMARY REPORT
 Sample Matrix Spike

Sample ID: L06080740-01CMS Batch ID: 6283 Test Code: SW6010B Units: mg/Kg Analysis Date 8/25/2006 10:48:48 PM Prep Date: 8/18/2006
 Client ID: Run ID: I2-OPTIMA_060825A SeqNo: 714658

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	38.84	0.55	27.6	6.708	116	75	125	0			
Barium	171.3	0.55	27.6	113.4	210	75	125	0			S
Cadmium	29.62	0.055	27.6	0.3595	106	75	125	0			
Lead	39.38	0.28	27.6	8.529	112	75	125	0			
Selenium	20.83	1.1	27.6	0	75.5	75	125	0			
Strontium	46.15	0.55	27.6	16.76	106	75	125	0			

Sample ID: L06080740-01CMS Batch ID: 6283 Test Code: SW6010B Units: mg/Kg Analysis Date 8/25/2006 10:54:02 PM Prep Date: 8/18/2006
 Client ID: Run ID: I2-OPTIMA_060825A SeqNo: 714659

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	39.91	0.55	27.52	6.708	121	75	125	38.84	2.71	20	
Barium	173.5	0.55	27.52	113.4	218	75	125	171.3	1.28	20	S
Cadmium	30.03	0.055	27.52	0.3595	108	75	125	29.62	1.38	20	
Lead	39.93	0.28	27.52	8.529	114	75	125	39.38	1.37	20	
Selenium	21.95	1.1	27.52	0	79.7	75	125	20.83	5.23	20	
Strontium	46.87	0.55	27.52	16.76	109	75	125	46.15	1.56	20	

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: % Analysis Date 8/18/2006 2:58:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710733

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	433.8	0	500	0	86.8	30	148	0			

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

CLIENT: ICON Environmental Services
Work Order: L06080668
Project: VPSB White Lake

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: % Analysis Date 8/18/2006 3:05:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710734

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	447.5	0	500	0	89.5	30	148	0			

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: % Analysis Date 8/18/2006 3:25:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710737

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	437.7	0	500	0	87.5	30	148	0			

Sample ID: L06080668-13AMS Batch ID: 6286 Test Code: SW8015B Units: % Analysis Date 8/19/2006 1:26:00 PM Prep Date: 8/18/2006
 Client ID: B-12 (6.5-7.5) Run ID: G2_060819B SeqNo: 711234

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	483.8	0	500	0	96.8	30	148	0			

Sample ID: L06080668-13AMS Batch ID: 6286 Test Code: SW8015B Units: % Analysis Date 8/19/2006 1:33:00 PM Prep Date: 8/18/2006
 Client ID: B-12 (6.5-7.5) Run ID: G2_060819B SeqNo: 711235

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	415.2	0	500	0	83	30	148	0			

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

QC SUMMARY REPORT

Sample Matrix Spike

CLIENT: ICON Environmental Services
Work Order: L06080668
Project: VPSB White Lake

Sample ID: L06080668-13AMS Batch ID: 6286 Test Code: SW8015B Units: % Analysis Date 8/19/2006 1:53:00 PM Prep Date: 8/18/2006
 Client ID: B-12 (6.5-7.5) Run ID: G2_060819B SeqNo: 711238

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	453.4	0	500	0	90.7	30	148	0			

Sample ID: L06080668-13AMS Batch ID: 6286 Test Code: SW8015B Units: % Analysis Date 8/19/2006 2:00:00 PM Prep Date: 8/18/2006
 Client ID: B-12 (6.5-7.5) Run ID: G2_060819B SeqNo: 711239

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	428.6	0	500	0	85.7	30	148	0			

Sample ID: L06080666-05AMS Batch ID: R47775 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 8/29/2006 8:45:00 AM Prep Date:
 Client ID: Run ID: MAN1-WC_060829A SeqNo: 715395

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	7200	400	5263	2700	85.5	80	120	0			

Sample ID: L06080666-05AMS Batch ID: R47775 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 8/29/2006 8:45:00 AM Prep Date:
 Client ID: Run ID: MAN1-WC_060829A SeqNo: 715396

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	7250	400	5263	2700	86.5	80	120	7200	0.692	20	

Sample ID: L06080669-05AMS Batch ID: R47776 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 8/29/2006 1:30:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_060829B SeqNo: 715420

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	7350	400	5263	2400	94.1	80	120	0			

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

CLIENT: ICON Environmental Services
Work Order: L06080668
Project: VPSB White Lake

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID: L06080669-05AMS Batch ID: R47776 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 8/29/2006 1:30:00 PM Prep Date:
 Client ID: Run ID: MAN1-WC_060829B SeqNo: 715421

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	7500	400	5263	2400	96.9	80	120	7350	2.02	20	

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: mg/Kg Analysis Date 8/18/2006 2:58:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710705

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	81.67	10	100	0	81.7	43.2	135	0			

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: mg/Kg Analysis Date 8/18/2006 3:05:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710706

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	78.22	10	100	0	78.2	43.2	135	81.67	4.32	40	

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: mg/Kg Analysis Date 8/18/2006 3:25:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710709

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	95.66	50	100	0	95.7	43.2	135	0			

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: mg/Kg Analysis Date 8/18/2006 3:32:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710710

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	99.75	50	100	0	99.8	43.2	135	95.66	4.19	40	

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

QC SUMMARY REPORT

Sample Matrix Spike

CLIENT: ICON Environmental Services
Work Order: L06080668
Project: VPSB White Lake

Sample ID: L06080668-13AMS Batch ID: 6286 Test Code: SW8015B Units: mg/Kg Analysis Date 8/19/2006 1:26:00 PM Prep Date: 8/18/2006
 Client ID: B-12 (6.5-7.5) Run ID: G2_060819B SeqNo: 711207

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	83.58	10	100	0	83.6	43.2	135	0			

Sample ID: L06080668-13AMS Batch ID: 6286 Test Code: SW8015B Units: mg/Kg Analysis Date 8/19/2006 1:33:00 PM Prep Date: 8/18/2006
 Client ID: B-12 (6.5-7.5) Run ID: G2_060819B SeqNo: 711208

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	71.87	10	100	0	71.9	43.2	135	83.58	15.1	40	

Sample ID: L06080668-13AMS Batch ID: 6286 Test Code: SW8015B Units: mg/Kg Analysis Date 8/19/2006 1:53:00 PM Prep Date: 8/18/2006
 Client ID: B-12 (6.5-7.5) Run ID: G2_060819B SeqNo: 711211

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	97.38	50	100	0	97.4	43.2	135	0			

Sample ID: L06080668-13AMS Batch ID: 6286 Test Code: SW8015B Units: mg/Kg Analysis Date 8/19/2006 2:00:00 PM Prep Date: 8/18/2006
 Client ID: B-12 (6.5-7.5) Run ID: G2_060819B SeqNo: 711212

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	86.44	50	100	0	86.4	43.2	135	97.38	11.9	40	

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

Sherry Laboratories/Louisiana

Date: 22-Mar-07

CLIENT: ICON Environmental Services
 Work Order: L06080668
 Project: VPSB White Lake

QC SUMMARY REPORT
 Laboratory Control Spike - generic

Sample ID: LCS LOT # 05F20 Batch ID: 6283 Test Code: SW6010B Units: mg/Kg Analysis Date 8/25/2006 8:58:57 PM Prep Date:
 Client ID: Run ID: I2-OPTIMA_060825A SeqNo: 714640

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5034	0.010	0.5	0	101	75	125	0			
Barium	0.4915	0.010	0.5	0	98.3	75	125	0			
Cadmium	0.4933	0.0010	0.5	0	98.7	75	125	0			
Lead	0.4978	0.0050	0.5	0	99.6	75	125	0			
Selenium	0.4877	0.020	0.5	0	97.5	75	125	0			
Strontium	0.4887	0.010	0.5	0	97.7	75	125	0			

Sample ID: LCSD LOT # 05F2 Batch ID: 6283 Test Code: SW6010B Units: mg/Kg Analysis Date 8/25/2006 9:03:56 PM Prep Date:
 Client ID: Run ID: I2-OPTIMA_060825A SeqNo: 714641

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5047	0.010	0.5	0	101	75	125	0.4975	1.43	20	
Barium	0.491	0.010	0.5	0	98.2	75	125	0.4966	1.13	20	
Cadmium	0.491	0.0010	0.5	0	98.2	75	125	0.4966	1.13	20	
Lead	0.4999	0.0050	0.5	0	100	75	125	0.496	0.775	20	
Selenium	0.4987	0.020	0.5	0	99.7	75	125	0.4829	3.21	20	
Strontium	0.4907	0.010	0.5	0	98.1	75	125	0.4927	0.403	20	

Sample ID: LCS-D 8-17 S Batch ID: 6285 Test Code: SW8015B Units: % Analysis Date 8/18/2006 2:45:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710731

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	450.1	0	500	0	90	30	148	0			

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

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

CLIENT: ICON Environmental Services
Work Order: L06080668
Project: VPSB White Lake

Sample ID: LCSD-D 8-17 S	Batch ID: 6285	Test Code: SW8015B	Units: %	Analysis Date 8/18/2006 2:51:00 AM	Prep Date: 8/17/2006						
Client ID:	Run ID: G2_060817C	SeqNo: 710732									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	453.7	0	500	0	90.7	30	148	0			

Sample ID: LCS-MO 8-17 S	Batch ID: 6285	Test Code: SW8015B	Units: %	Analysis Date 8/18/2006 3:11:00 AM	Prep Date: 8/17/2006						
Client ID:	Run ID: G2_060817C	SeqNo: 710735									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	445.4	0	500	0	89.1	30	148	0			

Sample ID: LCSD-MO 8-17 S	Batch ID: 6285	Test Code: SW8015B	Units: %	Analysis Date 8/18/2006 3:18:00 AM	Prep Date: 8/17/2006						
Client ID:	Run ID: G2_060817C	SeqNo: 710736									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	385.5	0	500	0	77.1	30	148	0			

Sample ID: LCS-D 8-18 S	Batch ID: 6286	Test Code: SW8015B	Units: %	Analysis Date 8/19/2006 1:13:00 PM	Prep Date: 8/18/2006						
Client ID:	Run ID: G2_060819B	SeqNo: 711232									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	476.1	0	500	0	95.2	30	148	0			

Sample ID: LCSD-D 8-18 S	Batch ID: 6286	Test Code: SW8015B	Units: %	Analysis Date 8/19/2006 1:19:00 PM	Prep Date: 8/18/2006						
Client ID:	Run ID: G2_060819B	SeqNo: 711233									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	456	0	500	0	91.2	30	148	0			

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

CLIENT: ICON Environmental Services
Work Order: L06080668
Project: VPSB White Lake

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: **LCS-MO 8-18 S** Batch ID: **6286** Test Code: **SW8015B** Units: % Analysis Date **8/19/2006 1:40:00 PM** Prep Date: **8/18/2006**
 Client ID: Run ID: **G2_060819B** SeqNo: **711236**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	416.2	0	500	0	83.2	30	148	0			

Sample ID: **LCS-MO 8-18 S** Batch ID: **6286** Test Code: **SW8015B** Units: % Analysis Date **8/19/2006 1:47:00 PM** Prep Date: **8/18/2006**
 Client ID: Run ID: **G2_060819B** SeqNo: **711237**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	454.5	0	500	0	90.9	30	148	0			

Sample ID: **LCS-R47775** Batch ID: **R47775** Test Code: **M4500-CI B** Units: **mg/Kg-dry** Analysis Date **8/29/2006 8:45:00 AM** Prep Date:
 Client ID: Run ID: **MAN1-WC_060829A** SeqNo: **715373**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	980	4.0	1000	1.5	97.9	80	120	0			

Sample ID: **LCS-R47776** Batch ID: **R47776** Test Code: **M4500-CI B** Units: **mg/Kg-dry** Analysis Date **8/29/2006 8:45:00 AM** Prep Date:
 Client ID: Run ID: **MAN1-WC_060829B** SeqNo: **715394**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	1010	4.0	1000	0	101	80	120	980	3.02	20	

Sample ID: **LCS-R47776** Batch ID: **R47776** Test Code: **M4500-CI B** Units: **mg/Kg-dry** Analysis Date **8/29/2006 1:30:00 PM** Prep Date:
 Client ID: Run ID: **MAN1-WC_060829B** SeqNo: **715398**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	960	4.0	1000	1.8	95.8	80	120	0			

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

CLIENT: ICON Environmental Services
Work Order: L06080668
Project: VPSB White Lake

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID: **LCS-D** Batch ID: **R47776** Test Code: **M4500-CI B** Units: **mg/Kg-dry** Analysis Date **8/29/2006 1:30:00 PM** Prep Date:
 Client ID: Run ID: **MAN1-WC_060829B** SeqNo: **715419**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	1010	4.0	1000	0	101	80	120	960	5.08	20	

Sample ID: **LCS-R47876** Batch ID: **R47876** Test Code: **29B** Units: **mmhos/cm** Analysis Date **8/29/2006 12:05:00 PM** Prep Date:
 Client ID: Run ID: **MAN1-WC_060829E** SeqNo: **716718**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	0.481	0.10	0.449	0	107	80	120	0			

Sample ID: **LCS-D 8-17 S** Batch ID: **6285** Test Code: **SW8015B** Units: **mg/Kg** Analysis Date **8/18/2006 2:45:00 AM** Prep Date: **8/17/2006**
 Client ID: Run ID: **G2_060817C** SeqNo: **710703**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	80.03	10	100	0	80	43.2	135	0			

Sample ID: **LCS-D 8-17 S** Batch ID: **6285** Test Code: **SW8015B** Units: **mg/Kg** Analysis Date **8/18/2006 2:51:00 AM** Prep Date: **8/17/2006**
 Client ID: Run ID: **G2_060817C** SeqNo: **710704**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	77	10	100	0	77	43.2	135	80.03	3.86	40	

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

QC SUMMARY REPORT

Laboratory Control Spike - generic

CLIENT: ICON Environmental Services
Work Order: L06080668
Project: VPSB White Lake

Sample ID: LCS-MO 8-17 S	Batch ID: 6285	Test Code: SW8015B	Units: mg/Kg	Analysis Date 8/18/2006 3:11:00 AM	Prep Date: 8/17/2006						
Client ID:	Run ID: G2_060817C	SeqNo: 710707									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	97.19	50	100	0	97.2	43.2	135	0			

Sample ID: LCSD-MO 8-17 S	Batch ID: 6285	Test Code: SW8015B	Units: mg/Kg	Analysis Date 8/18/2006 3:18:00 AM	Prep Date: 8/17/2006						
Client ID:	Run ID: G2_060817C	SeqNo: 710708									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	91.44	50	100	0	91.4	43.2	135	97.19	6.1	40	

Sample ID: LCS-D 8-18 S	Batch ID: 6286	Test Code: SW8015B	Units: mg/Kg	Analysis Date 8/19/2006 1:13:00 PM	Prep Date: 8/18/2006						
Client ID:	Run ID: G2_060819B	SeqNo: 711205									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	84.82	10	100	0	84.8	43.2	135	0			

Sample ID: LCSD-D 8-18 S	Batch ID: 6286	Test Code: SW8015B	Units: mg/Kg	Analysis Date 8/19/2006 1:19:00 PM	Prep Date: 8/18/2006						
Client ID:	Run ID: G2_060819B	SeqNo: 711206									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	78.93	10	100	0	78.9	43.2	135	84.82	7.2	40	

Sample ID: LCS-MO 8-18 S	Batch ID: 6286	Test Code: SW8015B	Units: mg/Kg	Analysis Date 8/19/2006 1:40:00 PM	Prep Date: 8/18/2006						
Client ID:	Run ID: G2_060819B	SeqNo: 711209									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	90.2	50	100	0	90.2	43.2	135	0			

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

CLIENT: ICON Environmental Services
Work Order: L06080668
Project: VPSB White Lake

QC SUMMARY REPORT
 Laboratory Control Spike Duplicate

Sample ID: LCSD-MO 8-18 S Batch ID: 6286 Test Code: SW8015B Units: mg/Kg Analysis Date 8/19/2006 1:47:00 PM Prep Date: 8/18/2006
 Client ID: Run ID: G2_060819B SeqNo: 711210

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	93.25	50	100	0	93.2	43.2	135	90.2	3.33	40	

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



Sherry Laboratories - Chain of Custody Record

Laboratory Number: **LAB0050019**

SHERRY Laboratories
Testing Today - Preparing Tomorrow

Client Information:		Billing Information:	
ICON Environmental		SAME	
Grey Miller		PO Number:	
1058 Conventon St		Quote Number:	
2nd floor		Required QC Level	
Baton Rouge LA 70802		Bill Monthly	
226-344-8490 Ext:		<input type="checkbox"/> Yes	
Ext:		<input type="checkbox"/> No	
City, State Zip:		Shipping Method:	
Phone Number:		UPS / FedEx / Airborne	
Fax Number:		DHL / Sherry / Hand / Mail	
E-mail Address:		Project Name/Number:	
		VSB White Lake	
		Sampler's Signature	
		9077-041-0800	
		Turn Time	
		<input type="checkbox"/> Standard	
		<input type="checkbox"/> 1 Day	
		<input type="checkbox"/> 2 Day	
		<input type="checkbox"/> Other	
		(Rush turn times will incur a surcharge and must be pre-approved by lab.)	

Which Regulations Apply:		Matrix Code:		Container		Requested Tests		Comments	
<input type="checkbox"/> RCRA	<input type="checkbox"/> Drinking Water	AQ = Aqueous	SO = Soil	Quantity	Type F=Plastic, V=Vial	Pres.	HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₈	Metals	Metals
<input type="checkbox"/> POTW	<input type="checkbox"/> Distribution	DW = Drinking	O = Oil						
<input type="checkbox"/> NPDES	<input type="checkbox"/> Special	WW = Waste	SL = Sludge						
<input type="checkbox"/> USDA/FDA	<input type="checkbox"/> State	MW = Monit. Well	F = Food						
<input type="checkbox"/> RECAP/RISC	<input type="checkbox"/> Other	LQ = Liquid	SW = Swab						
Sample ID/Description	Date	Time	SOL = Solid						
			Grab / Composite						
			Matrix						

Sample ID/Description	Date	Time	Matrix	Quantity	Type F=Plastic, V=Vial	Pres.	HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₈	Requested Tests	Comments
B-6 (3'-10.5')	8/9/06	13:07	Grab	1	G	none	none	X	Metals
B-7 (1'-4')	8/9/06	13:50	Grab	1	G	none	none	X	As, Ba, Cd
B-7 (4'-5')		13:52	Grab	1	G	none	none	X	Pb, Se, Sr
B-7 (8'-11')		13:58	Grab	1	G	none	none	X	TPH-D/O
B-10 (1.5'-4')		14:23	Grab	1	G	none	none	X	Method 8015 B
B-10 (4'-7.5')		14:26	Grab	1	G	none	none	X	
B-9 (0'-0.5')		14:51	Grab	1	G	none	none	X	
B-9 (0.5'-3.5')		14:54	Grab	1	G	none	none	X	
B-9 (7'-8')		14:58	Grab	1	G	none	none	X	
B-9 (8'-9')		15:01	Grab	1	G	none	none	X	

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
Sherry Lab	8/9/06 17:05	Dale Sura	8/14/06 17:05	
				Received on ice? <input type="checkbox"/> Yes <input type="checkbox"/> No
				Temp:

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

2203 S. Madison St.
Muncie, In 47302
765-747-9000
Fax: 765-747-0228

629 Washington St.
Suite 300
Columbus, In 47201
812-375-0531
Fax: 812-375-0731

2417 W. Pinhook Rd
Lafayette, LA 70508
337-235-0483
Fax: 337-233-6540

6825 E. 38th Street
Tulsa, OK 74145
918-828-9977
Fax: 918-828-7756

Part 1 - Laboratory Copy Part 2 - Report Copy Part 3 - Client's Temporary Copy



Sherry Laboratories - Chain of Custody Record

Laboratory Number: **LAB USE ONLY**

Client Information: Billing Information: SAME PO Number: _____
 Company Name: ICON Environmental Project Name/Number: VPSB WHITE LAKE
 Contact Name: Fred Miller Quote Number: _____
 Address: 1055 Service Station St Sampler's Signature: _____
2nd floor Required QC Level: _____
 City, State Zip: Baton Rouge LA 70802 Bill Monthly: Yes No
 Phone Number: 225-344-8440 Ext: _____ Shipping Method: UPS / FedEx / Airborne
 Fax Number: _____ DHL / Sherry / Hand / Mail
 E-mail Address: _____

Page 2 of 2
 Turn Time:
 Standard
 1 Day
 2 Day
 Other
 (Rush turn times will incur a surcharge and must be pre-approved by lab.)

Sample ID/Description	Which Regulations Apply:				Matrix Code:		Container		Requested Tests	Comments	
	<input type="checkbox"/> RCRA	<input type="checkbox"/> Drinking Water	<input type="checkbox"/> AQ = Aqueous	<input type="checkbox"/> DW = Drinking	SO = Soil	O = Oil	Type	Quantity			
B-12 (0'-1.5')	<input type="checkbox"/> POTW	<input type="checkbox"/> Distribution	<input type="checkbox"/> WW = Waste	<input type="checkbox"/> MW = Monit. Well	SL = Sludge	F = Food	G = Glass, V = Vial	1	HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₃	Metals	As, Ba, Cd, Pb, Se, Sr, TPH-D/O, Method 8015B
B-12 (3.5'-5')	<input type="checkbox"/> NPDES	<input type="checkbox"/> Special	<input type="checkbox"/> LQ = Liquid	<input type="checkbox"/> Grab / Composite				1	none	TPH-D/O	
B-12 (6.5'-7.5')	<input type="checkbox"/> USDA/FDA	<input type="checkbox"/> State						1	none	C/IEC	
B-13 (3'-5')	<input type="checkbox"/> RECAP/RISC	<input type="checkbox"/> Other						1	none		
B-13 (7.5'-9.5')								1	none		
								1	none		
								1	none		
								1	none		
								1	none		

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:	
				Received on ice?	Temp:
<u>Sherry Lab</u>	<u>8/14/06 17:05</u>	<u>Darlene Gura</u>	<u>8-14-06 @ 17:05</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

2203 S. Madison St.
 Muncie, In 47302
 765-747-9000
 Fax: 765-747-0228

629 Washington St.
 Suite 300
 Columbus, In 47201
 812-375-0531
 Fax: 812-375-0731

2417 W. Pinhook Rd
 Lafayette, LA 70508
 337-235-0483
 Fax: 337-233-6540

6825 E. 38th Street
 Tulsa, OK 74145
 918-828-9977
 Fax: 918-828-7756

Part 1 - Laboratory Conv. Part 2 - Report Conv. Part 3 - Client's Temporary Conv.

SAMPLE LOG-IN CHECK LIST

Chain of Custody

Yes	No	N/A	Were seals, if present, intact?
Yes	No		Is Chain of Custody complete? If no, please comment below.
			How was the sample delivered? Sherry FedEx UPS <u>Hand</u> Other: _____

Log In

<u>Yes</u>	No	Was an attempt made to cool the samples? Temperature: <u>4</u> Ambient
<u>Yes</u>	No	N/A Are samples properly preserved? If preservative added to bottles, which bottles? _____
Yes	No	<u>N/A</u> Is the headspace in the VOA vials less than ¼ inch or 6 mm?
Yes	No	<u>N/A</u> Are VOA vials preserved with HCl?
<u>Yes</u>	No	Does paperwork match bottle labels? (Note discrepancies on Chain of Custody)
<u>Yes</u>	No	Are matrices correctly identified on Chain of Custody?
<u>Yes</u>	No	Is it clear what analyses were requested?
<u>Yes</u>	No	Are we able to meet all holding times? (If no, notify customer for authorization.)

Special Handling (if applicable)

Yes	No	N/A Was client notified of all discrepancies with this order? Person notified: _____ Date: _____ Time: _____ By whom? _____ Via: Phone Fax In Person Regarding: _____ Report / Do Not Report
Yes	No	N/A Was other special handling completed? Explain: _____

Notes:

No sampler signature

Customer: Icon Laboratory Work Order # 6080668
Log In Signature: Burke Date: 8-14-06 Time: 1205



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(800) 737-2378

Greg Miller
ICON Environmental Services
1055 Convention Street, 2nd Floor
Baton Rouge, LA 708024771
TEL: (225) 344-8490
FAX (225) 344-6654

March 22, 2007
Order No.: L06080667

RE: VPSB White Lake

B3 (4-7)(9-12)
B4 (0-1)(3-5)(5-8)
B5 (0-1.5)(4-5.5)(8-10)
B6 (1.5-3)

B8 (5.5-7.0)(9.5-11.5)
B14 (0-1)(4-8)
B15 (8-11.5)

Dear Greg Miller:

Sherry Laboratories/Louisiana received 15 samples on 8/14/2006 for the analyses presented in the following report.

In accordance with your instructions, Sherry Laboratories/Louisiana conducted the analysis shown on the following pages on samples submitted by your company. The results related only to the items tested. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet all requirements of NELAC. All relevant sampling information is on the attached Chain-of-Custody form. A "#" by the test method indicates this parameter is outside the scope of accreditation.

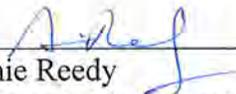
All soil samples except 29-B data are on a wet-weight basis unless otherwise indicated.

Louisiana Certification/Accreditation: 01997

A scope of Certified/Accredited parameters is available upon request.

If you have any questions regarding these test results, please feel free to call.

Sincerely,
Jerry Landry
Laboratory Director

Approved By: 
Annie Reedy
Assistant Laboratory Director

Total Pages in this Report 33



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(800) 737-2378

Date: 22-Mar-07

CLIENT: ICON Environmental Services
Project: VPSB White Lake
Lab Order: L06080667

CASE NARRATIVE

10-31-06 Report re-issued to include the percent moisture data.

3-22-07 Report re-issued to correct the metals data on a dry weight basis as per client request.



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CLIENT: ICON Environmental Services
Lab Order: L06080667
Project: VPSB White Lake

Date Received: 8/14/2006
Date Reported: 22-Mar-07

Lab ID: L06080667-01 **Collection Date:** 8/9/2006 11:10:00 AM **Sample ID:** B-3 (9-12')
Matrix: SLUDGE **Tag Number:** Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						
		SW6010B				STS
Arsenic	7.55	1.26		mg/Kg-dry	8/25/2006 7:51:32 PM	
Barium	130	1.26		mg/Kg-dry	8/25/2006 7:51:32 PM	
Cadmium	0.489	0.126		mg/Kg-dry	8/25/2006 7:51:32 PM	
Lead	18.4	0.632		mg/Kg-dry	8/25/2006 7:51:32 PM	
Selenium	< 2.53	2.53		mg/Kg-dry	8/25/2006 7:51:32 PM	
Strontium	34.9	1.26		mg/Kg-dry	8/25/2006 7:51:32 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)						
Surr: n-Pentacosane	84.3	30-148		%REC	8/18/2006 4:31:00 AM	SBH
SOLUBLE CHLORIDE						
Chlorides	2,250	400		mg/Kg-dry	8/28/2006 3:50:00 PM	SP
ELECTRICAL CONDUCTIVITY						
Electrical Conductivity	5.57	0.100		mmhos/cm	8/25/2006 9:30:00 AM	CG
PERCENT MOISTURE						
Percent Moisture	52.8	0.0100		wt%	8/15/2006	CG
TPH BY GC/FID						
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/18/2006 4:31:00 AM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/18/2006 4:31:00 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time

CLIENT: ICON Environmental Services

Lab Order: L06080667

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080667-02 **Collection Date:** 8/9/2006 11:06:00 AM **Sample ID:** B-3 (4-7')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	M4500-CL B 4,150	400		mg/Kg-dry	8/28/2006 3:50:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29B 13.2	0.100		mmhos/cm	8/25/2006 9:30:00 AM	CG
PERCENT MOISTURE Percent Moisture	SW9071 # 70.5	0.0100		wt%	8/15/2006	CG

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

CLIENT: ICON Environmental Services

Lab Order: L06080667

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080667-04 **Collection Date:** 8/9/2006 11:43:00 AM **Sample ID:** B-5 (4-5.5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	2,300	M4500-CL B 400		mg/Kg-dry	8/28/2006 3:50:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	7.07	29B 0.100		mmhos/cm	8/25/2006 9:30:00 AM	CG
PERCENT MOISTURE Percent Moisture	58.5	SW9071 # 0.0100		wt%	8/15/2006	CG

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080667

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080667-05 **Collection Date:** 8/9/2006 11:50:00 AM **Sample ID:** B-5 (8-10')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	6.23	1.43		mg/Kg-dry	8/25/2006 7:56:11 PM	
Barium	160	1.43		mg/Kg-dry	8/25/2006 7:56:11 PM	
Cadmium	0.458	0.143		mg/Kg-dry	8/25/2006 7:56:11 PM	
Lead	13.4	0.715		mg/Kg-dry	8/25/2006 7:56:11 PM	
Selenium	< 2.86	2.86		mg/Kg-dry	8/25/2006 7:56:11 PM	
Strontium	37.5	1.43		mg/Kg-dry	8/25/2006 7:56:11 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	3,550	400		mg/Kg-dry	8/28/2006 3:50:00 PM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	9.01	0.100		mmhos/cm	8/25/2006 9:30:00 AM	
PERCENT MOISTURE		SW9071 #				CG
Percent Moisture	59.6	0.0100		wt%	8/15/2006	

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time

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CLIENT: ICON Environmental Services

Lab Order: L06080667

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080667-06 **Collection Date:** 8/9/2006 12:36:00 PM **Sample ID:** B-4 (0-1')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						
		SW6010B				STS
Arsenic	10.0	2.36		mg/Kg-dry	8/25/2006 8:00:51 PM	
Barium	631	2.36		mg/Kg-dry	8/25/2006 8:00:51 PM	
Cadmium	0.770	0.236		mg/Kg-dry	8/25/2006 8:00:51 PM	
Lead	28.7	1.18		mg/Kg-dry	8/25/2006 8:00:51 PM	
Selenium	< 4.72	4.72		mg/Kg-dry	8/25/2006 8:00:51 PM	
Strontium	59.3	2.36		mg/Kg-dry	8/25/2006 8:00:51 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)						
Surr: n-Pentacosane	77.4	30-148		%REC	8/18/2006 8:18:00 AM	SBH
SOLUBLE CHLORIDE						
Chlorides	10,000	400		mg/Kg-dry	8/28/2006 3:50:00 PM	SP
ELECTRICAL CONDUCTIVITY						
Electrical Conductivity	18.9	0.100		mmhos/cm	8/25/2006 9:30:00 AM	CG
PERCENT MOISTURE						
Percent Moisture	78.4	0.0100		wt%	8/15/2006	CG
TPH BY GC/FID						
TPH (Diesel Range)	440	50.0		mg/Kg	8/18/2006 8:18:00 AM	SBH
TPH (Oil Range)	347	250		mg/Kg	8/18/2006 8:18:00 AM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services
Lab Order: L06080667
Project: VPSB White Lake

Date Received: 8/14/2006
Date Reported: 22-Mar-07

Lab ID: L06080667-07 **Collection Date:** 8/9/2006 12:40:00 PM **Sample ID:** B-4 (3-5')
Matrix: SLUDGE **Tag Number:** Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	6.70	1.29		mg/Kg-dry	8/25/2006 8:05:28 PM	
Barium	138	1.29		mg/Kg-dry	8/25/2006 8:05:28 PM	
Cadmium	0.447	0.129		mg/Kg-dry	8/25/2006 8:05:28 PM	
Lead	16.7	0.643		mg/Kg-dry	8/25/2006 8:05:28 PM	
Selenium	< 2.57	2.57		mg/Kg-dry	8/25/2006 8:05:28 PM	
Strontium	40.0	1.29		mg/Kg-dry	8/25/2006 8:05:28 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	90.0	30-148		%REC	8/18/2006 4:45:00 AM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	2,850	400		mg/Kg-dry	8/28/2006 3:50:00 PM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	8.29	0.100		mmhos/cm	8/25/2006 9:30:00 AM	
PERCENT MOISTURE		SW9071 #				CG
Percent Moisture	52.5	0.0100		wt%	8/15/2006	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/18/2006 4:45:00 AM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/18/2006 4:45:00 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080667

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080667-08 **Collection Date:** 8/9/2006 12:42:00 PM **Sample ID:** B-4 (5-8')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	85.1	SW8015B 30-148		%REC	8/18/2006 4:52:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	5,200	M4500-CL B 400		mg/Kg-dry	8/28/2006 3:50:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	12.7	29B 0.100		mmhos/cm	8/25/2006 9:30:00 AM	CG
PERCENT MOISTURE Percent Moisture	82.6	SW9071 # 0.0100		wt%	8/15/2006	CG
TPH BY GC/FID TPH (Diesel Range)	< 10.0	SW8015B 10.0		mg/Kg	8/18/2006 4:52:00 AM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/18/2006 4:52:00 AM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080667

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080667-10 **Collection Date:** 8/9/2006 3:30:00 PM **Sample ID:** B-8 (5.5-7.0')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	7.60	1.33		mg/Kg-dry	8/25/2006 8:15:08 PM	
Barium	175	1.33		mg/Kg-dry	8/25/2006 8:15:08 PM	
Cadmium	0.382	0.133		mg/Kg-dry	8/25/2006 8:15:08 PM	
Lead	17.0	0.667		mg/Kg-dry	8/25/2006 8:15:08 PM	
Selenium	< 2.67	2.67		mg/Kg-dry	8/25/2006 8:15:08 PM	
Strontium	57.3	1.33		mg/Kg-dry	8/25/2006 8:15:08 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	90.7	30-148		%REC	8/18/2006 5:32:00 AM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	4,150	400		mg/Kg-dry	8/28/2006 3:50:00 PM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	10.9	0.100		mmhos/cm	8/25/2006 9:30:00 AM	
PERCENT MOISTURE		SW9071 #				CG
Percent Moisture	56.2	0.0100		wt%	8/15/2006	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/18/2006 5:32:00 AM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/18/2006 5:32:00 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080667

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080667-11 **Collection Date:** 8/9/2006 3:36:00 PM **Sample ID:** B-8 (9.5-11.5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	89.6	SW8015B 30-148		%REC	8/18/2006 5:39:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	2,700	M4500-CL B 400		mg/Kg-dry	8/28/2006 3:50:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	6.97	29B 0,100		mmhos/cm	8/25/2006 9:30:00 AM	CG
PERCENT MOISTURE Percent Moisture	32.9	SW9071 # 0.0100		wt%	8/15/2006	CG
TPH BY GC/FID TPH (Diesel Range)	< 10.0	SW8015B 10.0		mg/Kg	8/18/2006 5:39:00 AM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/18/2006 5:39:00 AM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080667

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080667-12 **Collection Date:** 8/10/2006 9:18:00 AM **Sample ID:** B-15 (4-6')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	6.31	1.41		mg/Kg-dry	8/25/2006 8:20:06 PM	
Barium	124	1.41		mg/Kg-dry	8/25/2006 8:20:06 PM	
Cadmium	0.413	0.141		mg/Kg-dry	8/25/2006 8:20:06 PM	
Lead	13.2	0.704		mg/Kg-dry	8/25/2006 8:20:06 PM	
Selenium	< 2.82	2.82		mg/Kg-dry	8/25/2006 8:20:06 PM	
Strontium	67.8	1.41		mg/Kg-dry	8/25/2006 8:20:06 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	93.7	30-148		%REC	8/18/2006 5:46:00 AM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	2,050	400		mg/Kg-dry	8/28/2006 3:50:00 PM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	6.20	0.100		mmhos/cm	8/25/2006 9:30:00 AM	
PERCENT MOISTURE		SW9071 #				CG
Percent Moisture	58.1	0.0100		wt%	8/15/2006	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/18/2006 5:46:00 AM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/18/2006 5:46:00 AM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080667

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080667-13 **Collection Date:** 8/10/2006 9:22:00 AM **Sample ID:** B-15 (8-11.5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	88.8	30-148		%REC	8/18/2006 5:52:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	18,000	2,000		mg/Kg-dry	8/29/2006 8:45:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	21.1	0.100		mmhos/cm	8/25/2006 9:30:00 AM	CG
PERCENT MOISTURE Percent Moisture	48.1	0.0100		wt%	8/15/2006	CG
TPH BY GC/FID TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/18/2006 5:52:00 AM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/18/2006 5:52:00 AM	SBH

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080667

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080667-14 **Collection Date:** 8/10/2006 9:40:00 AM **Sample ID:** B-14 (0-1')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	81.0	SW8015B 30-148		%REC	8/19/2006 4:38:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	2,750	M4500-CL B 400		mg/Kg-dry	8/29/2006 8:45:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	6.79	29B 0.100		mmhos/cm	8/25/2006 9:30:00 AM	CG
PERCENT MOISTURE Percent Moisture	50.2	SW9071 # 0.0100		wt%	8/16/2006	CG
TPH BY GC/FID TPH (Diesel Range)	12.4	SW8015B 10.0		mg/Kg	8/19/2006 4:38:00 PM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 4:38:00 PM	

- | | | |
|--------------------|---|---|
| Qualifiers: | +DO - Diluted out due to dilution | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | MI+ - Matrix Interference |
| | * - Value exceeds MCL or Permit Limitation | H - Exceeds Holding Time |

Sherry Laboratories/Louisiana

Date: 22-Mar-07

CLIENT: ICON Environmental Services
 Work Order: L06080667
 Project: VPSB White Lake

QC SUMMARY REPORT
 Method Blank

Sample ID: MBLK	Batch ID: 6282	Test Code: SW6010B	Units: mg/Kg	Analysis Date: 8/25/2006 6:49:20 PM	Prep Date:						
Client ID:	Run ID: 12-OPTIMA_060825A	SeqNo: 714617									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.010	0.010									
Barium	< 0.010	0.010									
Cadmium	< 0.0010	0.0010									
Lead	< 0.0050	0.0050									
Selenium	< 0.020	0.020									
Strontium	< 0.010	0.010									

Sample ID: BLK 8-17 S	Batch ID: 6285	Test Code: SW8015B	Units: %	Analysis Date: 8/18/2006 3:45:00 AM	Prep Date: 8/17/2006						
Client ID:	Run ID: G2_060817C	SeqNo: 710739									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	416.3	0	500	0	83.3	30	148	0			

Sample ID: BLK 8-18 S	Batch ID: 6286	Test Code: SW8015B	Units: %	Analysis Date: 8/19/2006 2:14:00 PM	Prep Date: 8/18/2006						
Client ID:	Run ID: G2_060819B	SeqNo: 711240									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	436.2	0	500	0	87.2	30	148	0			

Sample ID: MB-R47751	Batch ID: R47751	Test Code: M4500-Cl B	Units: mg/Kg-dry	Analysis Date: 8/28/2006 3:50:00 PM	Prep Date:						
Client ID:	Run ID: MAN1-WC_060828C	SeqNo: 715063									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	< 4.0	4.0									

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

CLIENT: ICON Environmental Services
Work Order: L06080667
Project: VPSB White Lake

QC SUMMARY REPORT

Method Blank

Sample ID: MB-R47775 **Batch ID:** R47775 **Test Code:** M4500-CI B **Units:** mg/Kg-dry **Analysis Date:** 8/29/2006 8:45:00 AM **Prep Date:**
Client ID: **Run ID:** MAN1-WC_060829A **SeqNo:** 715372

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	< 4.0			4.0							

Sample ID: BLK 8-17 S **Batch ID:** 6285 **Test Code:** SW8015B **Units:** mg/Kg **Analysis Date:** 8/18/2006 3:45:00 AM **Prep Date:** 8/17/2006
Client ID: **Run ID:** G2_060817C **SeqNo:** 710711

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	< 10			10							
TPH (Oil Range)	< 50			50							

Sample ID: BLK 8-18 S **Batch ID:** 6286 **Test Code:** SW8015B **Units:** mg/Kg **Analysis Date:** 8/19/2006 2:14:00 PM **Prep Date:** 8/18/2006
Client ID: **Run ID:** G2_060819B **SeqNo:** 711213

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	< 10			10							
TPH (Oil Range)	< 50			50							

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

Sherry Laboratories/Louisiana

Date: 22-Mar-07

CLIENT: ICON Environmental Services
 Work Order: L06080667
 Project: VPSB White Lake

QC SUMMARY REPORT
 Sample Duplicate

Sample ID: L06080622-01ADU	Batch ID: R47687	Test Code: 29B	Units: mmhos/cm	Analysis Date 8/25/2006 9:30:00 AM	Prep Date:					
Client ID:	Run ID: MAN1-WC_060825B	SeqNo: 714062								
Analyte	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	8.95	0.10	0	0	0	0	9.04	1	20	

Sample ID: L06080677-02ADU	Batch ID: R47687	Test Code: 29B	Units: mmhos/cm	Analysis Date 8/25/2006 9:30:00 AM	Prep Date:					
Client ID:	Run ID: MAN1-WC_060825B	SeqNo: 714064								
Analyte	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	13.8	0.10	0	0	0	0	13.2	4.44	20	

Sample ID: L06080667-02ADU	Batch ID: R47666	Test Code: SW9071 #	Units: wt%	Analysis Date 8/15/2006	Prep Date:					
Client ID: B-3 (4-7)	Run ID: MAN1-WC_060815P	SeqNo: 713680								
Analyte	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	72.7	0.010	0	0	0	0	70.5	3.07	20	

Sample ID: L06080668-05ADU	Batch ID: R47667	Test Code: SW9071 #	Units: wt%	Analysis Date 8/16/2006	Prep Date:					
Client ID:	Run ID: MAN1-WC_060816L	SeqNo: 713710								
Analyte	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	65.9	0.010	0	0	0	0	70.2	6.32	20	

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

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

B - Analyte detected in the associated Method Blank
 3

Sherry Laboratories/Louisiana

Date: 22-Mar-07

CLIENT: ICON Environmental Services
 Work Order: L06080667
 Project: VPSB White Lake

QC SUMMARY REPORT
 Sample Matrix Spike

Sample ID: L06080667-15AMS Batch ID: 6282 Test Code: SW6010B Units: mg/Kg-dry Analysis Date 8/25/2006 8:39:32 PM Prep Date: 8/18/2006
 Client ID: B-14 (4-8') Run ID: I2-OPTIMA_060825A SeqNo: 714636

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	61.84	1.1	55.12	4.146	105	75	125	0			
Barium	177.8	1.1	55.12	117.1	110	75	125	0			
Cadmium	56.48	0.11	55.12	0.2624	102	75	125	0			
Lead	70.82	0.55	55.12	13.78	103	75	125	0			
Selenium	47.45	2.2	55.12	0	86.1	75	125	0			
Strontium	100.3	1.1	55.12	44.5	101	75	125	0			

Sample ID: L06080667-15AMS Batch ID: 6282 Test Code: SW6010B Units: mg/Kg-dry Analysis Date 8/25/2006 8:44:40 PM Prep Date: 8/18/2006
 Client ID: B-14 (4-8') Run ID: I2-OPTIMA_060825A SeqNo: 714637

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	60.63	1.1	54.29	4.146	104	75	125	61.84	1.98	20	
Barium	172.8	1.1	54.29	117.1	103	75	125	177.8	2.85	20	
Cadmium	55.04	0.11	54.29	0.2624	101	75	125	56.48	2.59	20	
Lead	68.68	0.54	54.29	13.78	101	75	125	70.82	3.07	20	
Selenium	48.46	2.2	54.29	0	89.3	75	125	47.45	2.11	20	
Strontium	97.28	1.1	54.29	44.5	97.2	75	125	100.3	3.04	20	

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: % Analysis Date 8/18/2006 2:58:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710733

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	433.8	0	500	0	86.8	30	148	0			

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

CLIENT: ICON Environmental Services
Work Order: L06080667
Project: VPSB White Lake

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: % Analysis Date 8/18/2006 3:05:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710734

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	447.5	0	500	0	89.5	30	148	0			

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: % Analysis Date 8/18/2006 3:25:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710737

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	437.7	0	500	0	87.5	30	148	0			

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: % Analysis Date 8/18/2006 3:32:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710738

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	454	0	500	0	90.8	30	148	0			

Sample ID: L06080668-13AMS Batch ID: 6286 Test Code: SW8015B Units: % Analysis Date 8/19/2006 1:26:00 PM Prep Date: 8/18/2006
 Client ID: Run ID: G2_060819B SeqNo: 711234

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	483.8	0	500	0	96.8	30	148	0			

Sample ID: L06080668-13AMS Batch ID: 6286 Test Code: SW8015B Units: % Analysis Date 8/19/2006 1:33:00 PM Prep Date: 8/18/2006
 Client ID: Run ID: G2_060819B SeqNo: 711235

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	415.2	0	500	0	83	30	148	0			

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

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

B - Analyte detected in the associated Method Blank
 5

CLIENT: ICON Environmental Services
Work Order: L06080667
Project: VPSB White Lake

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: L06080668-13AMS **Batch ID:** 6286 **Test Code:** SW8015B **Units:** % **Analysis Date:** 8/19/2006 1:53:00 PM **Prep Date:** 8/18/2006
Client ID: **Run ID:** G2_060819B **SeqNo:** 711238

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	453.4	0	500	0	90.7	30	148	0			

Sample ID: L06080668-13AMS **Batch ID:** 6286 **Test Code:** SW8015B **Units:** % **Analysis Date:** 8/19/2006 2:00:00 PM **Prep Date:** 8/18/2006
Client ID: **Run ID:** G2_060819B **SeqNo:** 711239

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	428.6	0	500	0	85.7	30	148	0			

Sample ID: L06080564-10AMS **Batch ID:** R47751 **Test Code:** M4500-ClB **Units:** mg/Kg-dry **Analysis Date:** 8/28/2006 3:50:00 PM **Prep Date:**
Client ID: **Run ID:** MAN1-WC_060828C **SeqNo:** 715086

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	6800	400	5263	2350	84.6	80	120	0			

Sample ID: L06080564-10AMS **Batch ID:** R47751 **Test Code:** M4500-ClB **Units:** mg/Kg-dry **Analysis Date:** 8/28/2006 3:50:00 PM **Prep Date:**
Client ID: **Run ID:** MAN1-WC_060828C **SeqNo:** 715087

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	7000	400	5263	2350	88.4	80	120	6800	2.9	20	

Sample ID: L06080666-05AMS **Batch ID:** R47775 **Test Code:** M4500-ClB **Units:** mg/Kg-dry **Analysis Date:** 8/29/2006 8:45:00 AM **Prep Date:**
Client ID: **Run ID:** MAN1-WC_060829A **SeqNo:** 715395

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	7200	400	5263	2700	85.5	80	120	0			

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

CLIENT: ICON Environmental Services
Work Order: L06080667
Project: VPSB White Lake

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID: L06080666-05AMS Batch ID: R47775 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 8/29/2006 8:45:00 AM Prep Date:
 Client ID: Run ID: MAN1-WC_060829A SeqNo: 715396

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	7250	400	5263	2700	86.5	80	120	7200	0.692	20	

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: mg/Kg Analysis Date 8/18/2006 2:58:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710705

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	81.67	10	100	0	81.7	43.2	135	0			

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: mg/Kg Analysis Date 8/18/2006 3:05:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710706

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	78.22	10	100	0	78.2	43.2	135	81.67	4.32	40	

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: mg/Kg Analysis Date 8/18/2006 3:25:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710709

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	95.66	50	100	0	95.7	43.2	135	0			

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: mg/Kg Analysis Date 8/18/2006 3:32:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710710

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	99.75	50	100	0	99.8	43.2	135	95.66	4.19	40	

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

CLIENT: ICON Environmental Services
Work Order: L06080667
Project: VPSB White Lake

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: L06080668-13AMS Batch ID: 6286 Test Code: SW8015B Units: mg/Kg Analysis Date 8/19/2006 1:26:00 PM Prep Date: 8/18/2006
 Client ID: Run ID: G2_060819B SeqNo: 711207

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	83.58	10	100	0	83.6	43.2	135	0			

Sample ID: L06080668-13AMS Batch ID: 6286 Test Code: SW8015B Units: mg/Kg Analysis Date 8/19/2006 1:33:00 PM Prep Date: 8/18/2006
 Client ID: Run ID: G2_060819B SeqNo: 711208

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	71.87	10	100	0	71.9	43.2	135	83.58	15.1	40	

Sample ID: L06080668-13AMS Batch ID: 6286 Test Code: SW8015B Units: mg/Kg Analysis Date 8/19/2006 1:53:00 PM Prep Date: 8/18/2006
 Client ID: Run ID: G2_060819B SeqNo: 711211

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	97.38	50	100	0	97.4	43.2	135	0			

Sample ID: L06080668-13AMS Batch ID: 6286 Test Code: SW8015B Units: mg/Kg Analysis Date 8/19/2006 2:00:00 PM Prep Date: 8/18/2006
 Client ID: Run ID: G2_060819B SeqNo: 711212

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	86.44	50	100	0	86.4	43.2	135	97.38	11.9	40	

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

Sherry Laboratories/Louisiana

Date: 22-Mar-07

CLIENT: ICON Environmental Services
 Work Order: L06080667
 Project: VPSB White Lake

QC SUMMARY REPORT
 Laboratory Control Spike - generic

Sample ID: LCS LOT # 05F20 Batch ID: 6282 Test Code: SW6010B Units: mg/Kg Analysis Date 8/25/2006 6:53:52 PM Prep Date:
 Client ID: Run ID: I2-OPTIMA_060825A SeqNo: 714618

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4998	0.010	0.5	0	100	75	125	0			
Barium	0.4927	0.010	0.5	0	98.5	75	125	0			
Cadmium	0.4926	0.0010	0.5	0	98.5	75	125	0			
Lead	0.4977	0.0050	0.5	0	99.5	75	125	0			
Selenium	0.4895	0.020	0.5	0	97.9	75	125	0			
Strontium	0.4867	0.010	0.5	0	97.3	75	125	0			

Sample ID: LCS LOT # 05F2 Batch ID: 6282 Test Code: SW6010B Units: mg/Kg Analysis Date 8/25/2006 6:58:53 PM Prep Date:
 Client ID: Run ID: I2-OPTIMA_060825A SeqNo: 714619

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4957	0.010	0.5	0	99.1	75	125	0.4998	0.832	20	
Barium	0.4952	0.010	0.5	0	99	75	125	0.4927	0.506	20	
Cadmium	0.4951	0.0010	0.5	0	99	75	125	0.4926	0.508	20	
Lead	0.4948	0.0050	0.5	0	99	75	125	0.4977	0.591	20	
Selenium	0.5005	0.020	0.5	0	100	75	125	0.4895	2.22	20	
Strontium	0.4951	0.010	0.5	0	99	75	125	0.4867	1.71	20	

Sample ID: LCS-D 8-17 S Batch ID: 6285 Test Code: SW8015B Units: % Analysis Date 8/18/2006 2:45:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710731

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	450.1	0	500	0	90	30	148	0			

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

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

B - Analyte detected in the associated Method Blank
 9

CLIENT: ICON Environmental Services
Work Order: L06080667
Project: VPSB White Lake

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID: LCSD-D 8-17 S Batch ID: 6285 Test Code: SW8015B Units: % Analysis Date 8/18/2006 2:51:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710732

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	453.7	0	500	0	90.7	30	148	0			

Sample ID: LCS-MO 8-17 S Batch ID: 6285 Test Code: SW8015B Units: % Analysis Date 8/18/2006 3:11:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710735

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	445.4	0	500	0	89.1	30	148	0			

Sample ID: LCSD-MO 8-17 S Batch ID: 6285 Test Code: SW8015B Units: % Analysis Date 8/18/2006 3:18:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710736

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	385.5	0	500	0	77.1	30	148	0			

Sample ID: LCS-D 8-18 S Batch ID: 6286 Test Code: SW8015B Units: % Analysis Date 8/19/2006 1:13:00 PM Prep Date: 8/18/2006
 Client ID: Run ID: G2_060819B SeqNo: 711232

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	476.1	0	500	0	95.2	30	148	0			

Sample ID: LCSD-D 8-18 S Batch ID: 6286 Test Code: SW8015B Units: % Analysis Date 8/19/2006 1:19:00 PM Prep Date: 8/18/2006
 Client ID: Run ID: G2_060819B SeqNo: 711233

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	456	0	500	0	91.2	30	148	0			

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

QC SUMMARY REPORT

Laboratory Control Spike - generic

CLIENT: ICON Environmental Services
 Work Order: L06080667
 Project: VPSB White Lake

Sample ID: LCS-MO 8-18 S	Batch ID: 6286	Test Code: SW8015B	Units: %	Analysis Date 8/19/2006 1:40:00 PM	Prep Date: 8/18/2006						
Client ID:		Run ID: G2_060819B		SeqNo: 711236							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	416.2	0	500	0	83.2	30	148	0			

Sample ID: LCSD-MO 8-18 S	Batch ID: 6286	Test Code: SW8015B	Units: %	Analysis Date 8/19/2006 1:47:00 PM	Prep Date: 8/18/2006						
Client ID:		Run ID: G2_060819B		SeqNo: 711237							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	454.5	0	500	0	90.9	30	148	0			

Sample ID: LCS-R47751	Batch ID: R47751	Test Code: M4500-CI B	Units: mg/Kg-dry	Analysis Date 8/28/2006 3:50:00 PM	Prep Date:						
Client ID:		Run ID: MAN1-WC_060828C		SeqNo: 715064							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	950	4.0	1000	1.6	94.8	80	120	0			

Sample ID: LCSD	Batch ID: R47751	Test Code: M4500-CI B	Units: mg/Kg-dry	Analysis Date 8/28/2006 3:50:00 PM	Prep Date:						
Client ID:		Run ID: MAN1-WC_060828C		SeqNo: 715085							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	940	4.0	1000	0	94	80	120	950	1.06	20	

Sample ID: LCS-R4775	Batch ID: R4775	Test Code: M4500-CI B	Units: mg/Kg-dry	Analysis Date 8/29/2006 8:45:00 AM	Prep Date:						
Client ID:		Run ID: MAN1-WC_060829A		SeqNo: 715373							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	980	4.0	1000	1.5	97.9	80	120	0			

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

CLIENT: ICON Environmental Services
Work Order: L06080667
Project: VPSB White Lake

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID: LCSD Batch ID: R47775 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 8/29/2006 8:45:00 AM Prep Date:
 Client ID: Run ID: MAN1-WC_060829A SeqNo: 715394

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	1010	4.0	1000	0	101	80	120	980	3.02	20	

Sample ID: LCS-R47687 Batch ID: R47687 Test Code: 29B Units: mmhos/cm Analysis Date 8/25/2006 9:30:00 AM Prep Date:
 Client ID: Run ID: MAN1-WC_060825B SeqNo: 714065

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	477	0.10	449	0	106	80	120	0			

Sample ID: LCS-D 8-17 S Batch ID: 6285 Test Code: SW8015B Units: mg/Kg Analysis Date 8/18/2006 2:45:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710703

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	80.03	10	100	0	80	43.2	135	0			

Sample ID: LCS-D 8-17 S Batch ID: 6285 Test Code: SW8015B Units: mg/Kg Analysis Date 8/18/2006 2:51:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710704

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	77	10	100	0	77	43.2	135	80.03	3.86	40	

Sample ID: LCS-MO 8-17 S Batch ID: 6285 Test Code: SW8015B Units: mg/Kg Analysis Date 8/18/2006 3:11:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710707

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	97.19	50	100	0	97.2	43.2	135	0			

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

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

CLIENT: ICON Environmental Services
 Work Order: L06080667
 Project: VPSB White Lake

Sample ID: LCSD-MO 8-17 S	Batch ID: 6285	Test Code: SW8015B	Units: mg/Kg	Analysis Date 8/18/2006 3:18:00 AM	Prep Date: 8/17/2006						
Client ID:		Run ID: G2_060817C		SeqNo: 710708							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	91.44	50	100	0	91.4	43.2	135	97.19	6.1	40	

Sample ID: LCSD-D 8-18 S	Batch ID: 6286	Test Code: SW8015B	Units: mg/Kg	Analysis Date 8/19/2006 1:13:00 PM	Prep Date: 8/18/2006						
Client ID:		Run ID: G2_060819B		SeqNo: 711205							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	84.82	10	100	0	84.8	43.2	135	0			

Sample ID: LCSD-D 8-18 S	Batch ID: 6286	Test Code: SW8015B	Units: mg/Kg	Analysis Date 8/19/2006 1:19:00 PM	Prep Date: 8/18/2006						
Client ID:		Run ID: G2_060819B		SeqNo: 711206							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	78.93	10	100	0	78.9	43.2	135	84.82	7.2	40	

Sample ID: LCS-MO 8-18 S	Batch ID: 6286	Test Code: SW8015B	Units: mg/Kg	Analysis Date 8/19/2006 1:40:00 PM	Prep Date: 8/18/2006						
Client ID:		Run ID: G2_060819B		SeqNo: 711209							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	90.2	50	100	0	90.2	43.2	135	0			

Sample ID: LCSD-MO 8-18 S	Batch ID: 6286	Test Code: SW8015B	Units: mg/Kg	Analysis Date 8/19/2006 1:47:00 PM	Prep Date: 8/18/2006						
Client ID:		Run ID: G2_060819B		SeqNo: 711210							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	93.25	50	100	0	93.2	43.2	135	90.2	3.33	40	

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

Laboratory Number: **Lab Use Only**

Page 1 of 2

Turn Time
 Standard
 1 Day
 2 Day
 Other
 (Rush turn times will incur a surcharge and must be pre-approved by lab.)

Client Information: Billing Information: SAME
 Company Name: ICON Environmental
 Contact Name: Greg Miller
 Address: 1055 Conventon St. 2nd floor
Baron Rouge LA 70802
 City, State Zip: 225-344-8490 Ext:
 Phone Number: 225-344-8490 Ext:
 Fax Number:
 E-mail Address:

PO Number:
 Quote Number:
 Required QC Level

Project Name/Number:
VP35 White Lake
9077-041-0800

Sampler's Signature

Shipping Method:
 UPS / FedEx / Airborne
 DHL / Sherry / Hand / Mail

Which Regulations Apply: <input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input type="checkbox"/> NPDES <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC	Matrix Code: AQ = Aqueous DW = Drinking Water WW = Waste MW = Monit. Well LQ = Liquid	SO = Soil O = Oil SL = Sludge F = Food SW = Swab SOL = Solid	Matrix		Container Type F = Plastic, V = Vial	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₈	Requested Tests			Comments	
			Date	Time			Grab / Composite	Quantity	C/IEC		TPH-D/O
B-3 (0'-1')	8/4/06	1110	Grab	SL	G	none	X	X	X	Metals removed	Metals
B-3 (9'-12')	8/4/06	1110	Grab	SL	G	none	X	X	X		As, Ba, Cd,
B-3 (4'-7')	8/4/06	1106	Grab	SL	G	none	X	X	X		Pb, Se, Sn
B-5 (0'-1.5')	8/4/06	1137	Grab	SL	G	none	X	X	X		TPH-D/O
B-5 (4'-5.5')	8/4/06	1143	Grab	SL	G	none	X	X	X		Method 8015B
B-5 (8'-10')	8/4/06	1150	Grab	SL	G	none	X	X	X		
B-4 (0'-1')	8/4/06	1236	Grab	SL	G	none	X	X	X		
B-4 (3'-5')	8/4/06	1240	Grab	SL	G	none	X	X	X		
B-4 (5'-8')	8/4/06	1242	Grab	SL	G	none	X	X	X		
B-6 (1.5'-3')	8/1/06	1305	Grab	SL	G	none	X	X	X		

Relinquished by: Sherry Lab Temp **Date/Time:** 8/4/06 1705

Received by: Darlene Serna **Date/Time:** 8-14-06 @ 11:05

Field Notes:

Received on ice? Yes No

Temp:

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

2203 S. Madison St.
 Muncie, IN 47302
 765-747-9000
 Fax: 765-747-0228

629 Washington St.
 Suite 300
 Columbus, IN 47201
 812-375-0531
 Fax: 812-375-0731

2417 W. Pinhook Rd
 Lafayette, LA 70508
 337-235-0483
 Fax: 337-233-6540

6825 E. 38th Street
 Tulsa, OK 74145
 918-828-9977
 Fax: 918-828-7756

Part 1 - Laboratory Copy Part 2 - Report Copy Part 3 - Client's Temporary Copy

Sherry Laboratories - Chain of Custody Record

Laboratory Number: **Lab use only**

Client Information: *ICON Environmental*
Company Name: *Greg Miller*
Contact Name: *1053 Conventio St.*
Address: *2nd floor*
City, State Zip: *Baton Rouge LA 70802*
Phone Number: *225-344-8490* Ext: _____
Fax Number: _____
E-mail Address: _____

Billing Information: _____
PO Number: _____
Quote Number: _____
Required QC Level: _____
Bill Monthly: Yes No
Shipping Method: UPS / FedEx / Airborne DHL / Sherry / Hand / Mail

Project Name/Number: *VPSR WIRELESS*
Turn Time: Standard 1 Day 2 Day Other
9077-040-0800
 Page *2* of *2*
 (Rush turn times will incur a surcharge and must be pre-approved by lab.)

Sample ID/Description	Matrix Code:		Date	Time	Matrix	Container		Requested Tests	Comments
	AQ = Aqueous	SO = Soil				Quantity	Type		
B-8 (5.5'-7.0')	<input type="checkbox"/> RCRA	<input checked="" type="checkbox"/> Drinking Water	8/14/06	1530	Grab SL	1	G	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ SO ₃	Metals As, Br, Cd, Pb, Se, Sr
B-8 (9.5'-11.5')	<input type="checkbox"/> POTW	<input type="checkbox"/> Distribution	8/14/06	1536	Grab SL	1	G	Pres. none	TPH-D/O
B-15 (4'-6')	<input type="checkbox"/> NPDES	<input type="checkbox"/> Special	8/10/06	0918	Grab SL	1	G	Pres. none	Metals
B-15 (8'-11.5')	<input type="checkbox"/> USDA/FDA	<input type="checkbox"/> State	8/10/06	0922	Grab SL	1	G	Pres. none	TPH-D/O
B-14 (0'-1')	<input type="checkbox"/> RECAP/RISC	<input type="checkbox"/> Other	8/10/06	0940	Grab SL	1	G	Pres. none	Metals
B-14 (4'-8')			8/10/06	0944	Grab SL	1	G	Pres. none	TPH-D/O
					Grab				
					Grab				
					Grab				
					Grab				

Relinquished by: *Sharon Kelling* **Date/Time:** *8/14/06 1705*
Received by: *Darlene Serna* **Date/Time:** *8/14/06 1715*
Field Notes: _____
Received on ice? Yes No
Temp: _____

SAMPLE LOG-IN CHECK LIST

Chain of Custody

Yes	No	N/A	Were seals, if present, intact?
Yes	No		Is Chain of Custody complete? If no, please comment below.
			How was the sample delivered? Sherry FedEx UPS Hand Other: _____

Log In

Yes	No		Was an attempt made to cool the samples? Temperature: <u>4</u> Ambient
Yes	No	N/A	Are samples properly preserved?
			If preservative added to bottles, which bottles? _____
Yes	No	N/A	Is the headspace in the VOA vials less than ¼ inch or 6 mm?
Yes	No	N/A	Are VOA vials preserved with HCl?
Yes	No		Does paperwork match bottle labels? (Note discrepancies on Chain of Custody)
Yes	No		Are matrices correctly identified on Chain of Custody?
Yes	No		Is it clear what analyses were requested?
Yes	No		Are we able to meet all holding times? (If no, notify customer for authorization.)

Special Handling (if applicable)

Yes	No	N/A	Was client notified of all discrepancies with this order? Person notified: _____ Date: _____ Time: _____ By whom? _____ Via: Phone Fax In Person Regarding: _____ Report / Do Not Report
Yes	No	N/A	Was other special handling completed? Explain: _____

Notes:

No sampler signature

Customer: ICOW Laboratory Work Order # 160806067
Log In Signature: Bridgman Date: 8-14-06 Time: 1705



SHERRYLaboratories

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2417 West Pinhook Road
Lafayette, LA 70508-3344
Telephone (337) 235-0483

P.O. Box 81816
Lafayette, LA 70598-1816
Fax (337) 233-6540
(800) 737-2378

Greg Miller
ICON Environmental Services
1055 Convention Street, 2nd Floor
Baton Rouge, LA 708024771
TEL: (225) 344-8490
FAX (225) 344-6654

March 22, 2007
Order No.: L06080666

B2 (2-4) (4-6) (6-8) (10-10.5)
B21 (0-2) (2-4) (6-8)

RE: VPSB White Lake

Dear Greg Miller:

Sherry Laboratories/Louisiana received 7 samples on 8/14/2006 for the analyses presented in the following report.

In accordance with your instructions, Sherry Laboratories/Louisiana conducted the analysis shown on the following pages on samples submitted by your company. The results related only to the items tested. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet all requirements of NELAC. All relevant sampling information is on the attached Chain-of-Custody form. A "#" by the test method indicates this parameter is outside the scope of accreditation.

All soil samples except 29-B data are on a wet-weight basis unless otherwise indicated.

Louisiana Certification/Accreditation: 01997

A scope of Certified/Accredited parameters is available upon request.

If you have any questions regarding these test results, please feel free to call.

Sincerely,
Jerry Landry
Laboratory Director

Approved By: 
Annie Reedy
Assistant Laboratory Director

Total Pages in this Report 19

2417 West Pinhook Road
Lafayette LA 70508-3344
(337) 235-0483

P O Box 81816
Lafayette LA 70598-1816
Fax: (337) 233-6540
(800) 737-2378

Date: 22-Mar-07

CLIENT: ICON Environmental Services
Project: VPSB White Lake
Lab Order: L06080666

CASE NARRATIVE

Unless specified by the client, a duplicate or MS/MSD, wherever applicable, is randomly selected and analyzed from each analytical batch provided sample volume is sufficient. The sample chosen for duplicate or MS/MSD may or may not be a sample submitted in this workorder. A method blank and/or a lab control sample (LCS)/lab control sample duplicate (LCSD), wherever applicable, are processed as a quality control check for each analytical batch. When the matrix QC data is not available due to insufficient sample volume or when the results indicate possible matrix effect, the validity of the batch is determined by the method blank and LCS/LCSD.

Any other exceptions associated with this report will be footnoted in the results page(s) or the QC summary page(s).

3-22-07 Report re-issued to correct the metals data on a dry weight basis as per client request.



SHERRY Laboratories

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Lafayette LA 70508-3344
(337) 235-0483

P O Box 81816
Lafayette LA 70598-1816
Fax: (337) 233-6540
(800) 737-2378

CLIENT: ICON Environmental Services

Lab Order: L06080666

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080666-01 **Collection Date:** 8/10/2006 3:24:00 PM **Sample ID:** B-21 (0-2')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	92.6	30-148		%REC	8/18/2006 3:52:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	3,700	400		mg/Kg-dry	8/29/2006 8:45:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	10.7	0.100		mmhos/cm	8/25/2006 9:30:00 AM	CG
PERCENT MOISTURE Percent Moisture	76.4	0.0100		wt%	8/15/2006	CG
TPH BY GC/FID TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/18/2006 3:52:00 AM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/18/2006 3:52:00 AM	SBH

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



SHERRY Laboratories

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Lafayette LA 70508-3344
(337) 235-0483

P O Box 81816
Lafayette LA 70598-1816
Fax: (337) 233-6540
(800) 737-2378

CLIENT: ICON Environmental Services

Lab Order: L06080666

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080666-02 **Collection Date:** 8/10/2006 3:26:00 PM **Sample ID:** B-21 (2-4')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						
		SW6010B				STS
Arsenic	8.27	1.16		mg/Kg-dry	8/25/2006 7:17:52 PM	SP
Barium	139	1.16		mg/Kg-dry	8/25/2006 7:17:52 PM	SP
Cadmium	0.353	0.116		mg/Kg-dry	8/25/2006 7:17:52 PM	SP
Lead	16.9	0.579		mg/Kg-dry	8/25/2006 7:17:52 PM	SP
Selenium	< 2.31	2.31		mg/Kg-dry	8/25/2006 7:17:52 PM	SP
Strontium	47.7	1.16		mg/Kg-dry	8/25/2006 7:17:52 PM	SP
N-PENTACOSANE (TPH-D/O SURROGATE)						
Surr: n-Pentacosane	83.8	30-148		%REC	8/18/2006 3:58:00 AM	SBH
SOLUBLE CHLORIDE						
Chlorides	940	80.0		mg/Kg-dry	8/29/2006 8:45:00 AM	SP
ELECTRICAL CONDUCTIVITY						
Electrical Conductivity	5.08	0.100		mmhos/cm	8/25/2006 9:30:00 AM	CG
PERCENT MOISTURE						
Percent Moisture	53.1	0.0100		wt%	8/15/2006	CG
TPH BY GC/FID						
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/18/2006 3:58:00 AM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/18/2006 3:58:00 AM	SBH

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080666

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080666-03 **Collection Date:** 8/10/2006 3:34:00 PM **Sample ID:** B-21 (6-8')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	360	M4500-CL B 40.0		mg/Kg-dry	8/29/2006 8:45:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	1.79	29B 0.100		mmhos/cm	8/25/2006 9:30:00 AM	CG
PERCENT MOISTURE Percent Moisture	33.2	SW9071 # 0.0100		wt%	8/15/2006	CG

- | | | |
|--------------------|---|---|
| Qualifiers: | +DO - Diluted out due to dilution | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | MI+ - Matrix Interference |
| | * - Value exceeds MCL or Permit Limitation | H - Exceeds Holding Time |



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CLIENT: ICON Environmental Services

Lab Order: L06080666

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080666-04 **Collection Date:** 8/8/2006 3:51:00 PM **Sample ID:** B-2 (2-4')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	13.8	2.38		mg/Kg-dry	8/25/2006 7:22:48 PM	
Barium	3,590	2.38		mg/Kg-dry	8/25/2006 7:22:48 PM	
Cadmium	0.810	0.238		mg/Kg-dry	8/25/2006 7:22:48 PM	
Lead	48.0	1.19		mg/Kg-dry	8/25/2006 7:22:48 PM	
Selenium	< 4.76	4.76		mg/Kg-dry	8/25/2006 7:22:48 PM	
Strontium	234	23.8		mg/Kg-dry	9/8/2006 1:58:20 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	72.6	30-148		%REC	8/18/2006 5:52:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	1,280	80.0		mg/Kg-dry	8/29/2006 8:45:00 AM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	4.36	0.100		mmhos/cm	8/25/2006 9:30:00 AM	
PERCENT MOISTURE		SW9071 #				CG
Percent Moisture	77.3	0.0100		wt%	8/15/2006	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	233	50.0		mg/Kg	8/18/2006 5:52:00 PM	
TPH (Oil Range)	191	190		mg/Kg	8/18/2006 5:52:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080666

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080666-05 **Collection Date:** 8/8/2006 4:08:00 PM **Sample ID:** B-2 (4-6')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						
		SW6010B				STS
Arsenic	7.07	2.30		mg/Kg-dry	8/25/2006 7:36:57 PM	SP
Barium	717	2.30		mg/Kg-dry	8/25/2006 7:36:57 PM	SP
Cadmium	0.664	0.230		mg/Kg-dry	8/25/2006 7:36:57 PM	SP
Lead	36.0	1.15		mg/Kg-dry	8/25/2006 7:36:57 PM	SP
Selenium	< 4.60	4.60		mg/Kg-dry	8/25/2006 7:36:57 PM	SP
Strontium	119	2.30		mg/Kg-dry	8/25/2006 7:36:57 PM	SP
N-PENTACOSANE (TPH-D/O SURROGATE)						
Surr: n-Pentacosane	82.8	30-148		%REC	8/18/2006 4:12:00 AM	SBH
SOLUBLE CHLORIDE						
Chlorides	2,700	400		mg/Kg-dry	8/29/2006 8:45:00 AM	SP
ELECTRICAL CONDUCTIVITY						
Electrical Conductivity	6.84	0.100		mmhos/cm	8/25/2006 9:30:00 AM	CG
PERCENT MOISTURE						
Percent Moisture	77.9	0.0100		wt%	8/15/2006	CG
TPH BY GC/FID						
TPH (Diesel Range)	140	10.0		mg/Kg	8/18/2006 4:12:00 AM	SBH
TPH (Oil Range)	113	50.0		mg/Kg	8/18/2006 4:12:00 AM	SBH

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080666

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 22-Mar-07

Lab ID: L06080666-06 **Collection Date:** 8/8/2006 4:12:00 PM **Sample ID:** B-2 (6-8')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	10.6	4.15		mg/Kg-dry	8/25/2006 7:41:54 PM	
Barium	307	4.15		mg/Kg-dry	8/25/2006 7:41:54 PM	
Cadmium	1.07	0.415		mg/Kg-dry	8/25/2006 7:41:54 PM	
Lead	10.0	2.08		mg/Kg-dry	8/25/2006 7:41:54 PM	
Selenium	< 8.31	8.31		mg/Kg-dry	8/25/2006 7:41:54 PM	
Strontium	86.9	4.15		mg/Kg-dry	8/25/2006 7:41:54 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	81.9	30-148		%REC	8/18/2006 4:18:00 AM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	2,400	400		mg/Kg-dry	8/29/2006 8:45:00 AM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	7.73	0.100		mmhos/cm	8/25/2006 9:30:00 AM	
PERCENT MOISTURE		SW9071 #				CG
Percent Moisture	86.6	0.0100		wt%	8/15/2006	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/18/2006 4:18:00 AM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/18/2006 4:18:00 AM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

Sherry Laboratories/Louisiana

Date: 22-Mar-07

CLIENT: ICON Environmental Services
 Work Order: L06080666
 Project: VPSB White Lake

QC SUMMARY REPORT
 Method Blank

Sample ID: MBLK	Batch ID: 6282	Test Code: SW6010B	Units: mg/Kg	Analysis Date 8/25/2006 6:49:20 PM	Prep Date:						
Client ID:	Run ID: 12-OPTIMA_060825A	SeqNo: 714617									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.010	0.010									
Barium	< 0.010	0.010									
Cadmium	< 0.0010	0.0010									
Lead	< 0.0050	0.0050									
Selenium	< 0.020	0.020									
Strontium	< 0.010	0.010									

Sample ID: BLK 8-17 S	Batch ID: 6285	Test Code: SW8015B	Units: %	Analysis Date 8/18/2006 3:45:00 AM	Prep Date: 8/17/2006						
Client ID:	Run ID: G2_060817C	SeqNo: 710739									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	416.3	0	500	0	83.3	30	148	0			

Sample ID: MB-R4775	Batch ID: R4775	Test Code: M4500-CI B	Units: mg/Kg-dry	Analysis Date 8/29/2006 8:45:00 AM	Prep Date:						
Client ID:	Run ID: MAN1-WC_060829A	SeqNo: 715372									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	< 4.0	4.0									

Sample ID: BLK 8-17 S	Batch ID: 6285	Test Code: SW8015B	Units: mg/Kg	Analysis Date 8/18/2006 3:45:00 AM	Prep Date: 8/17/2006						
Client ID:	Run ID: G2_060817C	SeqNo: 710711									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	< 10	10									
TPH (Oil Range)	< 50	50									

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

Sherry Laboratories/Louisiana

Date: 22-Mar-07

CLIENT: ICON Environmental Services
 Work Order: L06080666
 Project: VPSB White Lake

QC SUMMARY REPORT
 Sample Duplicate

Sample ID: L06080622-01ADU Batch ID: R47687 Test Code: 29B Units: mmhos/cm Analysis Date 8/25/2006 9:30:00 AM Prep Date:
 Client ID: Run ID: MAN1-WC_060825B SeqNo: 714062

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	8.95	0.10	0	0	0	0	0	9.04	1	20	

Sample ID: L06080677-02ADU Batch ID: R47687 Test Code: 29B Units: mmhos/cm Analysis Date 8/25/2006 9:30:00 AM Prep Date:
 Client ID: Run ID: MAN1-WC_060825B SeqNo: 714064

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	13.8	0.10	0	0	0	0	0	13.2	4.44	20	

Sample ID: L06080667-02ADU Batch ID: R47666 Test Code: SW9071 # Units: wt% Analysis Date 8/15/2006 Prep Date:
 Client ID: Run ID: MAN1-WC_060815P SeqNo: 713680

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	72.7	0.010	0	0	0	0	0	70.5	3.07	20	

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

Sherry Laboratories/Louisiana

Date: 22-Mar-07

CLIENT: ICON Environmental Services
Work Order: L06080666
Project: VPSB White Lake

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: L06080667-15AMS Batch ID: 6282 Test Code: SW6010B Units: mg/Kg-dry Analysis Date 8/25/2006 8:39:32 PM Prep Date: 8/18/2006
 Client ID: Run ID: I2-OPTIMA_060825A SeqNo: 714636

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	61.84	1.1	55.12	4.146	105	75	125	0			
Barium	177.8	1.1	55.12	117.1	110	75	125	0			
Cadmium	56.48	0.11	55.12	0.2624	102	75	125	0			
Lead	70.82	0.55	55.12	13.78	103	75	125	0			
Selenium	47.45	2.2	55.12	0	86.1	75	125	0			
Strontium	100.3	1.1	55.12	44.5	101	75	125	0			

Sample ID: L06080667-15AMS Batch ID: 6282 Test Code: SW6010B Units: mg/Kg-dry Analysis Date 8/25/2006 8:44:40 PM Prep Date: 8/18/2006
 Client ID: Run ID: I2-OPTIMA_060825A SeqNo: 714637

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	60.63	1.1	54.29	4.146	104	75	125	61.84	1.98	20	
Barium	172.8	1.1	54.29	117.1	103	75	125	177.8	2.85	20	
Cadmium	55.04	0.11	54.29	0.2624	101	75	125	56.48	2.59	20	
Lead	68.68	0.54	54.29	13.78	101	75	125	70.82	3.07	20	
Selenium	48.46	2.2	54.29	0	89.3	75	125	47.45	2.11	20	
Strontium	97.28	1.1	54.29	44.5	97.2	75	125	100.3	3.04	20	

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: % Analysis Date 8/18/2006 2:58:00 AM Prep Date: 8/17/2006
 Client ID: B-21 (0-2') Run ID: G2_060817C SeqNo: 710733

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	433.8	0	500	0	86.8	30	148	0			

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

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

CLIENT: ICON Environmental Services
Work Order: L06080666
Project: VPSB White Lake

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: % Analysis Date 8/18/2006 3:05:00 AM Prep Date: 8/17/2006
 Client ID: B-21 (0-2') Run ID: G2_060817C SeqNo: 710734

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	447.5	0	500	0	89.5	30	148	0			

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: % Analysis Date 8/18/2006 3:25:00 AM Prep Date: 8/17/2006
 Client ID: B-21 (0-2') Run ID: G2_060817C SeqNo: 710737

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	437.7	0	500	0	87.5	30	148	0			

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: % Analysis Date 8/18/2006 3:32:00 AM Prep Date: 8/17/2006
 Client ID: B-21 (0-2') Run ID: G2_060817C SeqNo: 710738

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	454	0	500	0	90.8	30	148	0			

Sample ID: L06080666-05AMS Batch ID: R47775 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 8/29/2006 8:45:00 AM Prep Date:
 Client ID: B-2 (4-6') Run ID: MAN1-WC_060829A SeqNo: 715395

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	7200	400	5263	2700	85.5	80	120	0			

Sample ID: L06080666-05AMS Batch ID: R47775 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 8/29/2006 8:45:00 AM Prep Date:
 Client ID: B-2 (4-6') Run ID: MAN1-WC_060829A SeqNo: 715396

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	7250	400	5263	2700	86.5	80	120	7200	0.692	20	

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

CLIENT: ICON Environmental Services
Work Order: L06080666
Project: VPSB White Lake

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: mg/Kg Analysis Date 8/18/2006 2:58:00 AM Prep Date: 8/17/2006
 Client ID: B-21 (0-2') Run ID: G2_060817C SeqNo: 710705

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	81.67	10	100	0	81.7	43.2	135	0			

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: mg/Kg Analysis Date 8/18/2006 3:05:00 AM Prep Date: 8/17/2006
 Client ID: B-21 (0-2') Run ID: G2_060817C SeqNo: 710706

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	78.22	10	100	0	78.2	43.2	135	81.67	4.32	40	

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: mg/Kg Analysis Date 8/18/2006 3:25:00 AM Prep Date: 8/17/2006
 Client ID: B-21 (0-2') Run ID: G2_060817C SeqNo: 710709

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	95.66	50	100	0	95.7	43.2	135	0			

Sample ID: L06080666-01AMS Batch ID: 6285 Test Code: SW8015B Units: mg/Kg Analysis Date 8/18/2006 3:32:00 AM Prep Date: 8/17/2006
 Client ID: B-21 (0-2') Run ID: G2_060817C SeqNo: 710710

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	99.75	50	100	0	99.8	43.2	135	95.66	4.19	40	

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

Sherry Laboratories/Louisiana

Date: 22-Mar-07

CLIENT: ICON Environmental Services
 Work Order: L06080666
 Project: VPSB White Lake

QC SUMMARY REPORT
 Laboratory Control Spike - generic

Sample ID: LCS LOT # 05F20 Batch ID: 6282 Test Code: SW6010B Units: mg/Kg Analysis Date 8/25/2006 6:53:52 PM Prep Date:
 Client ID: Run ID: I2-OPTIMA_060825A SeqNo: 714618

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4998	0.010	0.5	0	100	75	125	0			
Barium	0.4927	0.010	0.5	0	98.5	75	125	0			
Cadmium	0.4926	0.0010	0.5	0	98.5	75	125	0			
Lead	0.4977	0.0050	0.5	0	99.5	75	125	0			
Selenium	0.4895	0.020	0.5	0	97.9	75	125	0			
Strontium	0.4867	0.010	0.5	0	97.3	75	125	0			

Sample ID: LCSD LOT # 05F2 Batch ID: 6282 Test Code: SW6010B Units: mg/Kg Analysis Date 8/25/2006 6:58:53 PM Prep Date:
 Client ID: Run ID: I2-OPTIMA_060825A SeqNo: 714619

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4957	0.010	0.5	0	99.1	75	125	0.4998	0.832	20	
Barium	0.4952	0.010	0.5	0	99	75	125	0.4927	0.506	20	
Cadmium	0.4951	0.0010	0.5	0	99	75	125	0.4926	0.508	20	
Lead	0.4948	0.0050	0.5	0	99	75	125	0.4977	0.591	20	
Selenium	0.5005	0.020	0.5	0	100	75	125	0.4895	2.22	20	
Strontium	0.4951	0.010	0.5	0	99	75	125	0.4867	1.71	20	

Sample ID: LCS-D 8-17 S Batch ID: 6285 Test Code: SW8015B Units: % Analysis Date 8/18/2006 2:45:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710731

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	450.1	0	500	0	90	30	148	0			

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

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

CLIENT: ICON Environmental Services
Work Order: L06080666
Project: VPSB White Lake

Sample ID: LCSD-D 8-17 S Batch ID: 6285 Test Code: SW8015B Units: % Analysis Date 8/18/2006 2:51:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710732

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	453.7	0	500	0	90.7	30	148	0			

Sample ID: LCS-MO 8-17 S Batch ID: 6285 Test Code: SW8015B Units: % Analysis Date 8/18/2006 3:11:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710735

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	445.4	0	500	0	89.1	30	148	0			

Sample ID: LCSD-MO 8-17 S Batch ID: 6285 Test Code: SW8015B Units: % Analysis Date 8/18/2006 3:18:00 AM Prep Date: 8/17/2006
 Client ID: Run ID: G2_060817C SeqNo: 710736

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	385.5	0	500	0	77.1	30	148	0			

Sample ID: LCS-R47775 Batch ID: R47775 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 8/29/2006 8:45:00 AM Prep Date:
 Client ID: Run ID: MAN1-WC_060829A SeqNo: 715373

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	980	4.0	1000	1.5	97.9	80	120	0			

Sample ID: LCSD Batch ID: R47775 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 8/29/2006 8:45:00 AM Prep Date:
 Client ID: Run ID: MAN1-WC_060829A SeqNo: 715394

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	1010	4.0	1000	0	101	80	120	980	3.02	20	

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

CLIENT: ICON Environmental Services
Work Order: L06080666
Project: VPSB White Lake

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: **LCS-R47687** Batch ID: **R47687** Test Code: **29B** Units: **mmhos/cm** Analysis Date **8/25/2006 9:30:00 AM** Prep Date:
 Client ID: Run ID: **MAN1-WC_060825B** SeqNo: **714065**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	477	0.10	449	0	106	80	120	0			

Sample ID: **LCS-D 8-17 S** Batch ID: **6285** Test Code: **SW8015B** Units: **mg/Kg** Analysis Date **8/18/2006 2:45:00 AM** Prep Date: **8/17/2006**
 Client ID: Run ID: **G2_060817C** SeqNo: **710703**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	80.03	10	100	0	80	43.2	135	0			

Sample ID: **LCS-D 8-17 S** Batch ID: **6285** Test Code: **SW8015B** Units: **mg/Kg** Analysis Date **8/18/2006 2:51:00 AM** Prep Date: **8/17/2006**
 Client ID: Run ID: **G2_060817C** SeqNo: **710704**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	77	10	100	0	77	43.2	135	80.03	3.86	40	

Sample ID: **LCS-MO 8-17 S** Batch ID: **6285** Test Code: **SW8015B** Units: **mg/Kg** Analysis Date **8/18/2006 3:11:00 AM** Prep Date: **8/17/2006**
 Client ID: Run ID: **G2_060817C** SeqNo: **710707**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	97.19	50	100	0	97.2	43.2	135	0			

Sample ID: **LCS-MO 8-17 S** Batch ID: **6285** Test Code: **SW8015B** Units: **mg/Kg** Analysis Date **8/18/2006 3:18:00 AM** Prep Date: **8/17/2006**
 Client ID: Run ID: **G2_060817C** SeqNo: **710708**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	91.44	50	100	0	91.4	43.2	135	97.19	6.1	40	

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

Sherry Laboratories - Chain of Custody Record



Laboratory Number: **Lab 5000111**

Client Information:		Billing Information:	
ICON Environmental		SAME	
Greg Miller			
1055 Conventon St			
2nd floor			
Baton Rouge LA 70802			
225-344-8492 Ext:			
City, State Zip:		Ext:	
Phone Number:			
Fax Number:			
E-mail Address:			
Project Name/Number:		PO Number:	
VPSB White Lake			
9077-041-0800		Quote Number:	
Sampler's Signature		Required QC Level	
Shipping Method:		Bill Monthly	
UPS / FedEx / Airborne		<input type="checkbox"/> Yes	
DHL / Sherry / Hand / Mail		<input type="checkbox"/> No	
Turn Time		Page of	
<input type="checkbox"/> Standard		1 of 1	
<input type="checkbox"/> 1 Day			
<input type="checkbox"/> 2 Day			
<input type="checkbox"/> Other			
(Rush turn times will incur a surcharge and must be pre-approved by lab.)			

Sample ID/Description	Matrix Code:		Date	Time	SO = Soil O = Oil SL = Sludge F = Food SW = Swab SOL = Solid	Grab/ Composite	Matrix	Container		Pres.	Requested Tests				Comments
	AQ = Aqueous DW = Drinking WW = Waste MW = Monit. Well LQ = Liquid	Drinking Water Distribution Special State Other						Quantity	Type P = Plastic, V = Vial		HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₈	C/EC	TPH-P/O	Metals	
B-21 (0'-2')			8/10/06	1524	Grab	SL	SL	1	G	none	X	X	X	X	Metals As, Ba, Cd Pb, Se, Sr TPH-P/O Moisture
B-21 (2'-4')			8/10/06	1526	Grab	SL	SL	1	G	none	X	X	X	X	
B-21 (6'-8')			8/10/06	1534	Grab	SL	SL	1	G	none	X	X	X	X	
B-2 (2'-4')			8/8/06	1551	Grab	SL	SL	1	G	none	X	X	X	X	
B-2 (4'-6')			8/8/06	1608	Grab	SL	SL	1	G	none	X	X	X	X	
B-2 (6'-8')			8/8/06	1612	Grab	SL	SL	1	G	none	X	X	X	X	
B-2 (10'-10.5')			8/8/06	1620	Grab	SL	SL	1	G	none	X	X	X	X	

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:	
				Received on ice? <input type="checkbox"/> Yes <input type="checkbox"/> No	Temp:
Shawn [Signature]	8/14/06 1705	Darlene [Signature]	8/14/06 17:05	<input type="checkbox"/>	
				<input type="checkbox"/>	
				<input type="checkbox"/>	
				<input type="checkbox"/>	

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

2203 S. Madison St.
Muncie, In 47302
765-747-9000
Fax: 765-747-0228

629 Washington St.
Suite 300
Columbus, In 47201
812-375-0531
Fax: 812-375-0731

2417 W. Pinhook Rd
Lafayette, LA 70508
337-235-0483
Fax: 337-233-6540

6825 E. 38th Street
Tulsa, OK 74145
918-828-9977
Fax: 918-828-7756

Part 1 Laboratory Conv. Part 2 Report Conv. Part 3 Client's Temporary Conv.

SAMPLE LOG-IN CHECK LIST

Chain of Custody

Yes	No	N/A	Were seals, if present, intact?
Yes	No		Is Chain of Custody complete? If no, please comment below.
How was the sample delivered? Sherry FedEx UPS Hand Other: _____			

Log In

Yes	No		Was an attempt made to cool the samples? Temperature: <u>4</u> Ambient
Yes	No	N/A	Are samples properly preserved?
			If preservative added to bottles, which bottles? _____
Yes	No	N/A	Is the headspace in the VOA vials less than 1/4 inch or 6 mm?
Yes	No	N/A	Are VOA vials preserved with HCl?
Yes	No		Does paperwork match bottle labels? (Note discrepancies on Chain of Custody)
Yes	No		Are matrices correctly identified on Chain of Custody?
Yes	No		Is it clear what analyses were requested?
Yes	No		Are we able to meet all holding times? (If no, notify customer for authorization.)

Special Handling (if applicable)

Yes	No	N/A	Was client notified of all discrepancies with this order? Person notified: _____ Date: _____ Time: _____ By whom? _____ Via: Phone Fax In Person Regarding: _____ Report / Do Not Report
Yes	No	N/A	Was other special handling completed? Explain: _____

Notes:

No sampler signature

Customer:

Icons

Laboratory Work Order #

1108011111

Log In Signature:

A. Burdick

Date:

8-14-06

Time:

1705



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Greg Miller
ICON Environmental Services
1055 Convention Street, 2nd Floor
Baton Rouge, LA 708024771
TEL: (225) 344-8490
FAX (225) 344-6654

June 05, 2006
Order No.: L06050004

RE: VPSB White Lake

*SSI
through
SSI5*

Dear Greg Miller:

Sherry Laboratories/Louisiana received 34 samples on 4/28/2006 for the analyses presented in the following report.

In accordance with your instructions, Sherry Laboratories/Louisiana conducted the analysis shown on the following pages on samples submitted by your company. The results related only to the items tested. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet all requirements of NELAC. All relevant sampling information is on the attached Chain-of-Custody form. A "#" by the test method indicates this parameter is outside the scope of accreditation. SUB as the analyst indicates subcontracted work.

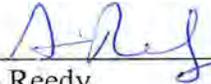
All soil samples except 29-B data are on a wet-weight basis unless otherwise indicated.

Louisiana Certification/Accreditation: 01997

A scope of Certified/Accredited parameters is available upon request.

If you have any questions regarding these test results, please feel free to call.

Sincerely,
Jerry Landry
Laboratory Director

Approved By: 
Annie Reedy
Assistant Laboratory Director



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(800) 737-2378

Date: 05-Jun-06

CLIENT: ICON Environmental Services
Project: VPSB White Lake
Lab Order: L06050004

CASE NARRATIVE

The BTEX/TPH-G soil samples were not collected via Method 5035. The Sulfide analysis was cancelled due to holding time exceedance.

As instructed by ICON, all soil results are reported on a dry weight basis.

The soil MS and MSD recoveries were outside of the quality control limits for Hexachlorocyclopentadiene in the 8270 analysis due to matrix interference. A Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

The MS and MSD recoveries were outside of the quality control limits for Calcium, Magnesium, Sodium, Arsenic and Zinc due to matrix interference. A Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.



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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-01A
Date Received: 28-Apr-06

Client Sample ID: SS-01 (1.5-3.6')
Tag Number: Project #9077-041-0800
Collection Date: 4/25/2006 2:30:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	98.6	30-148		%REC	5/3/2006 8:42:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	1,950	400		mg/Kg-dry	5/17/2006 2:00:00 PM	SP
PERCENT SOLIDS Percent Solids	37.4	0.0100		wt%	5/4/2006	MB
TPH BY GC/FID TPH (Diesel Range)	110	26.7		mg/Kg-dry	5/3/2006 8:42:00 AM	SBH
TPH (Oil Range)	< 134	134		mg/Kg-dry	5/3/2006 8:42:00 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-02A
Date Received: 28-Apr-06

Client Sample ID: SS-01 (3.6'-4.0')
Tag Number: Project #9077-041-0800
Collection Date: 4/25/2006 2:30:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	90.6	30-148		%REC	5/2/2006 6:47:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	1,150	400		mg/Kg-dry	5/17/2006 2:00:00 PM	SP
PERCENT SOLIDS Percent Solids	36.3	0.0100		wt%	5/4/2006	MB
TPH BY GC/FID TPH (Diesel Range)	46.4	27.5		mg/Kg-dry	5/2/2006 6:47:00 PM	SBH
TPH (Oil Range)	< 138	138		mg/Kg-dry	5/2/2006 6:47:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-03A
Date Received: 28-Apr-06

Client Sample ID: SS-02 (9"-21")
Tag Number: Project #9077-041-0800
Collection Date: 4/25/2006 4:00:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	86.7	SW8015B 30-148		%REC	5/2/2006 6:54:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	1,600	M4500-CL B 400		mg/Kg-dry	5/17/2006 2:00:00 PM	SP
PERCENT SOLIDS Percent Solids	46.5	SW9071B 0.0100		wt%	5/4/2006	MB
TPH BY GC/FID TPH (Diesel Range)	230	SW8015B 21.5		mg/Kg-dry	5/2/2006 6:54:00 PM	SBH
TPH (Oil Range)	169	108		mg/Kg-dry	5/2/2006 6:54:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-04A
Date Received: 28-Apr-06

Client Sample ID: SS-02 (21"-27")
Tag Number: Project #9077-041-0800
Collection Date: 4/25/2006 4:00:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	84.8	30-148		%REC	5/2/2006 7:00:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	2,050	400		mg/Kg-dry	5/17/2006 2:00:00 PM	SP
PERCENT SOLIDS Percent Solids	21.1	0.0100		wt%	5/4/2006	MB
TPH BY GC/FID TPH (Diesel Range)	< 47.4	47.4		mg/Kg-dry	5/2/2006 7:00:00 PM	SBH
TPH (Oil Range)	< 237	237		mg/Kg-dry	5/2/2006 7:00:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-05A
Date Received: 28-Apr-06

Client Sample ID: SS-04 (43.5"-50.5")
Tag Number: Project #9077-041-0800
Collection Date: 4/26/2006 12:15:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	88.0	30-148		%REC	5/2/2006 7:07:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	3,850	400		mg/Kg-dry	5/17/2006 2:00:00 PM	SP
PERCENT SOLIDS Percent Solids	25.0	0.0100		wt%	5/4/2006	MB
TPH BY GC/FID TPH (Diesel Range)	< 40.0	40.0		mg/Kg-dry	5/2/2006 7:07:00 PM	SBH
TPH (Oil Range)	< 200	200		mg/Kg-dry	5/2/2006 7:07:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation HI - Exceeds Holding Time



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(800) 737-2378

CLIENT: ICON Environmental Services	Client Sample ID: SS-04 (50.5"-75.5")
Lab Order: L06050004	Tag Number: Project #9077-041-0800
Project: VPSB White Lake	Collection Date: 4/26/2006 12:15:00 PM
Lab ID: L06050004-06A	Matrix: SOIL
Date Received: 28-Apr-06	Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	86.0	30-148		%REC	5/2/2006 7:14:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	1,800	400		mg/Kg-dry	5/17/2006 2:00:00 PM	SP
PERCENT SOLIDS Percent Solids	31.2	0.0100		wt%	5/4/2006	MB
TPH BY GC/FID TPH (Diesel Range)	52.6	32.1		mg/Kg-dry	5/2/2006 7:14:00 PM	SBH
TPH (Oil Range)	< 160	160		mg/Kg-dry	5/2/2006 7:14:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services	Client Sample ID: SS-04 (75.5"-88.5")
Lab Order: L06050004	Tag Number: Project #9077-041-0800
Project: VPSB White Lake	Collection Date: 4/26/2006 12:15:00 PM
Lab ID: L06050004-07A	Matrix: SOIL
Date Received: 28-Apr-06	Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	87.8	30-148		%REC	5/2/2006 7:21:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	5,550	400		mg/Kg-dry	5/17/2006 2:00:00 PM	SP
PERCENT SOLIDS Percent Solids	16.9	0.0100		wt%	5/4/2006	MB
TPH BY GC/FID						SBH
TPH (Diesel Range)	72.3	59.2		mg/Kg-dry	5/2/2006 7:21:00 PM	
TPH (Oil Range)	< 296	296		mg/Kg-dry	5/2/2006 7:21:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services	Client Sample ID: SS-06 (31"-51")
Lab Order: L06050004	Tag Number: Project #9077-041-0800
Project: VPSB White Lake	Collection Date: 4/26/2006 4:00:00 PM
Lab ID: L06050004-08A	Matrix: SOIL
Date Received: 28-Apr-06	Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	84.7	SW8015B 30-148		%REC	5/2/2006 7:28:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	1,700	M4500-CL B 400		mg/Kg-dry	5/17/2006 2:00:00 PM	SP
PERCENT SOLIDS Percent Solids	29.2	SW9071B 0.0100		wt%	5/4/2006	MB
TPH BY GC/FID TPH (Diesel Range)	89.2	SW8015B 34.2		mg/Kg-dry	5/2/2006 7:28:00 PM	SBH
TPH (Oil Range)	< 171	171		mg/Kg-dry	5/2/2006 7:28:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-09A
Date Received: 28-Apr-06

Client Sample ID: SS-06 (51"-61")
Tag Number: Project #9077-041-0800
Collection Date: 4/26/2006 4:00:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	86.9	SW8015B 30-148		%REC	5/2/2006 7:35:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	1,700	M4500-CL B 400		mg/Kg-dry	5/17/2006 2:00:00 PM	SP
PERCENT SOLIDS Percent Solids	21.5	SW9071B 0.0100		wt%	5/4/2006	MB
TPH BY GC/FID TPH (Diesel Range)	54.3	SW8015B 46.5		mg/Kg-dry	5/2/2006 7:35:00 PM	SBH
TPH (Oil Range)	< 233	233		mg/Kg-dry	5/2/2006 7:35:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-10A
Date Received: 28-Apr-06

Client Sample ID: SS-08 (44"-67")
Tag Number: Project #9077-041-0800
Collection Date: 4/27/2006 10:10:00 AM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	86.4	30-148		%REC	5/2/2006 8:08:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	1,550	400		mg/Kg-dry	5/17/2006 2:00:00 PM	SP
PERCENT SOLIDS Percent Solids	43.3	0.0100		wt%	5/4/2006	MB
TPH BY GC/FID TPH (Diesel Range)	124	23.1		mg/Kg-dry	5/2/2006 8:08:00 PM	SBH
TPH (Oil Range)	< 115	115		mg/Kg-dry	5/2/2006 8:08:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
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 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-11A
Date Received: 28-Apr-06

Client Sample ID: SS-08 (67"-72")
Tag Number: Project #9077-041-0800
Collection Date: 4/27/2006 10:10:00 AM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	94.5	30-148		%REC	5/2/2006 8:15:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	1,150	400		mg/Kg-dry	5/17/2006 2:00:00 PM	SP
PERCENT SOLIDS Percent Solids	46.9	0.0100		wt%	5/4/2006	MB
TPH BY GC/FID TPH (Diesel Range)	< 21.3	21.3		mg/Kg-dry	5/2/2006 8:15:00 PM	SBH
TPH (Oil Range)	< 107	107		mg/Kg-dry	5/2/2006 8:15:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services	Client Sample ID: SS-09 (82"-102")
Lab Order: L06050004	Tag Number: Project #9077-041-0800
Project: VPSB White Lake	Collection Date: 4/27/2006 11:15:00 AM
Lab ID: L06050004-12A	Matrix: SOIL
Date Received: 28-Apr-06	Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	83.8	SW8015B 30-148		%REC	5/2/2006 8:22:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	1,500	M4500-CL B 400		mg/Kg-dry	5/17/2006 2:00:00 PM	SP
PERCENT SOLIDS Percent Solids	38.3	SW9071B 0.0100		wt%	5/4/2006	MB
TPH BY GC/FID TPH (Diesel Range)	36.5	SW8015B 26.1		mg/Kg-dry	5/2/2006 8:22:00 PM	SBH
TPH (Oil Range)	< 131	131		mg/Kg-dry	5/2/2006 8:22:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-13A
Date Received: 28-Apr-06

Client Sample ID: SS-09 (102"-121")
Tag Number: Project #9077-041-0800
Collection Date: 4/27/2006 11:15:00 AM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	92.3	SW8015B 30-148		%REC	5/2/2006 8:29:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	1,550	M4500-CL B 400		mg/Kg-dry	5/17/2006 2:00:00 PM	SP
PERCENT SOLIDS Percent Solids	39.0	SW9071B 0.0100		wt%	5/4/2006	MB
TPH BY GC/FID TPH (Diesel Range)	64.4	SW8015B 25.6		mg/Kg-dry	5/2/2006 8:29:00 PM	SBH
TPH (Oil Range)	< 128	128		mg/Kg-dry	5/2/2006 8:29:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-14A
Date Received: 28-Apr-06

Client Sample ID: SS-09 (121"-126")
Tag Number: Project #9077-041-0800
Collection Date: 4/27/2006 11:15:00 AM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	89.4	SW8015B 30-148		%REC	5/2/2006 8:36:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	650	M4500-CL B 80.0		mg/Kg-dry	5/17/2006 2:00:00 PM	SP
PERCENT SOLIDS Percent Solids	49.3	SW9071B 0.0100		wt%	5/4/2006	MB
TPH BY GC/FID TPH (Diesel Range)	< 20.3	SW8015B 20.3		mg/Kg-dry	5/2/2006 8:36:00 PM	SBH
TPH (Oil Range)	< 101	101		mg/Kg-dry	5/2/2006 8:36:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-15A
Date Received: 28-Apr-06

Client Sample ID: SS-10 (10"-27")
Tag Number: Project #9077-041-0800
Collection Date: 4/27/2006 1:00:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	82.4	SW8015B 30-148		%REC	5/2/2006 8:42:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	1,800	M4500-CL B 400		mg/Kg-dry	5/17/2006 2:00:00 PM	SP
PERCENT SOLIDS Percent Solids	40.4	SW9071B 0.0100		wt%	5/4/2006	MB
TPH BY GC/FID TPH (Diesel Range)	152	SW8015B 24.8		mg/Kg-dry	5/2/2006 8:42:00 PM	SBH
TPH (Oil Range)	134	124		mg/Kg-dry	5/2/2006 8:42:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services	Client Sample ID: SS-10 (27"-40")
Lab Order: L06050004	Tag Number: Project #9077-041-0800
Project: VPSB White Lake	Collection Date: 4/27/2006 1:00:00 PM
Lab ID: L06050004-16A	Matrix: SOIL
Date Received: 28-Apr-06	Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	83.4	SW8015B 30-148		%REC	5/2/2006 8:49:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	490	M4500-CL B 40.0		mg/Kg-dry	5/17/2006 2:00:00 PM	SP
PERCENT SOLIDS Percent Solids	62.2	SW9071B 0.0100		wt%	5/4/2006	MB
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 16.1	16.1		mg/Kg-dry	5/2/2006 8:49:00 PM	
TPH (Oil Range)	< 80.4	80.4		mg/Kg-dry	5/2/2006 8:49:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services	Client Sample ID: SS-13 (45"-58")
Lab Order: L06050004	Tag Number: Project #9077-041-0800
Project: VPSB White Lake	Collection Date: 4/28/2006 9:45:00 AM
Lab ID: L06050004-17A	Matrix: SOIL
Date Received: 28-Apr-06	Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	89.2	30-148		%REC	5/2/2006 8:56:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	1,900	400		mg/Kg-dry	5/17/2006 2:00:00 PM	SP
PERCENT SOLIDS Percent Solids	34.2	0.0100		wt%	5/4/2006	MB
TPH BY GC/FID TPH (Diesel Range)	< 29.2	29.2		mg/Kg-dry	5/2/2006 8:56:00 PM	SBH
TPH (Oil Range)	< 146	146		mg/Kg-dry	5/2/2006 8:56:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services	Client Sample ID: SS-13 (58"-78")
Lab Order: L06050004	Tag Number: Project #9077-041-0800
Project: VPSB White Lake	Collection Date: 4/28/2006 9:45:00 AM
Lab ID: L06050004-18A	Matrix: SOIL
Date Received: 28-Apr-06	Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	88.7	30-148		%REC	5/2/2006 9:03:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	1,450	400		mg/Kg-dry	5/17/2006 4:00:00 PM	SP
PERCENT SOLIDS Percent Solids	38.9	0.0100		wt%	5/4/2006	MB
TPH BY GC/FID						SBH
TPH (Diesel Range)	31.0	25.7		mg/Kg-dry	5/2/2006 9:03:00 PM	
TPH (Oil Range)	< 129	129		mg/Kg-dry	5/2/2006 9:03:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services	Client Sample ID: SS-13 (78"-83")
Lab Order: L06050004	Tag Number: Project #9077-041-0800
Project: VPSB White Lake	Collection Date: 4/28/2006 9:45:00 AM
Lab ID: L06050004-19A	Matrix: SOIL
Date Received: 28-Apr-06	Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	86.9	SW8015B 30-148		%REC	5/2/2006 9:10:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	2,150	M4500-CL B 400		mg/Kg-dry	5/17/2006 4:00:00 PM	SP
PERCENT SOLIDS Percent Solids	22.0	SW9071B 0.0100		wt%	5/4/2006	MB
TPH BY GC/FID TPH (Diesel Range)	< 45.5	SW8015B 45.5		mg/Kg-dry	5/2/2006 9:10:00 PM	SBH
TPH (Oil Range)	< 227	227		mg/Kg-dry	5/2/2006 9:10:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services	Client Sample ID: SS-14 (11"-20")
Lab Order: L06050004	Tag Number: Project #9077-041-0800
Project: VPSB White Lake	Collection Date: 4/28/2006 11:00:00 AM
Lab ID: L06050004-20A	Matrix: SOIL
Date Received: 28-Apr-06	Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	92.1	SW8015B 30-148		%REC	5/8/2006 8:12:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	2,250	M4500-CL B 400		mg/Kg-dry	5/17/2006 4:00:00 PM	SP
PERCENT SOLIDS Percent Solids	56.1	SW9071B 0.0100		wt%	5/4/2006	MB
TPH BY GC/FID TPH (Diesel Range)	< 17.8	SW8015B 17.8		mg/Kg-dry	5/8/2006 8:12:00 PM	SBH
TPH (Oil Range)	< 89.1	89.1		mg/Kg-dry	5/8/2006 8:12:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-21A
Date Received: 28-Apr-06

Client Sample ID: SS-14 (20"-31")
Tag Number: Project #9077-041-0800
Collection Date: 4/28/2006 11:00:00 AM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	90.7	SW8015B 30-148		%REC	5/8/2006 8:18:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	1,950	M4500-CL B 400		mg/Kg-dry	5/17/2006 4:00:00 PM	SP
PERCENT SOLIDS Percent Solids	22.6	SW9071B 0.0100		wt%	5/4/2006	MB
TPH BY GC/FID TPH (Diesel Range)	< 44.2	SW8015B 44.2		mg/Kg-dry	5/8/2006 8:18:00 PM	SBH
TPH (Oil Range)	< 221	221		mg/Kg-dry	5/8/2006 8:18:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-22A
Date Received: 28-Apr-06

Client Sample ID: SS-15 (39"-74")
Tag Number: Project #9077-041-0800
Collection Date: 4/28/2006 12:20:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	85.8	SW8015B 30-148		%REC	5/8/2006 8:25:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	1,400	M4500-CL B 400		mg/Kg-dry	5/17/2006 4:00:00 PM	SP
PERCENT SOLIDS Percent Solids	35.7	SW9071B 0.0100		wt%	5/4/2006	MB
TPH BY GC/FID TPH (Diesel Range)	< 28.0	SW8015B 28.0		mg/Kg-dry	5/8/2006 8:25:00 PM	SBH
TPH (Oil Range)	< 140	140		mg/Kg-dry	5/8/2006 8:25:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services	Client Sample ID: SS-15 (74"-78")
Lab Order: L06050004	Tag Number: Project #9077-041-0800
Project: VPSB White Lake	Collection Date: 4/28/2006 12:20:00 PM
Lab ID: L06050004-23A	Matrix: SOIL
Date Received: 28-Apr-06	Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	92.4	SW8015B 30-148		%REC	5/8/2006 8:32:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	710	M4500-CL B 80.0		mg/Kg-dry	5/17/2006 4:00:00 PM	SP
PERCENT SOLIDS Percent Solids	50.2	SW9071B 0.0100		wt%	5/4/2006	MB
TPH BY GC/FID TPH (Diesel Range)	24.8	SW8015B 19.9		mg/Kg-dry	5/8/2006 8:32:00 PM	SBH
TPH (Oil Range)	< 99.6	99.6		mg/Kg-dry	5/8/2006 8:32:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-24A
Date Received: 28-Apr-06

Client Sample ID: SS-03 (54"-61")
Tag Number: Project #9077-041-0800
Collection Date: 4/25/2006 5:30:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	8.79	2.23		mg/Kg-dry	5/9/2006 11:43:45 AM	
Barium	1,600	2.23		mg/Kg-dry	5/9/2006 11:43:45 AM	
Calcium	5,540	111		mg/Kg-dry	5/8/2006 4:16:44 PM	
Chromium	17.9	2.23		mg/Kg-dry	5/9/2006 11:43:45 AM	
Lead	28.8	1.11		mg/Kg-dry	5/9/2006 11:43:45 AM	
Magnesium	3,890	111		mg/Kg-dry	5/8/2006 4:16:44 PM	
Potassium	2,090	111		mg/Kg-dry	5/8/2006 4:16:44 PM	
Sodium	1,550	223		mg/Kg-dry	5/8/2006 4:16:44 PM	
Strontium	74.3	2.23		mg/Kg-dry	5/9/2006 11:43:45 AM	
Zinc	92.5	2.23		mg/Kg-dry	5/9/2006 11:43:45 AM	
SEMIVOLATILE ORGANICS IN SOIL		SW8270C				CRM
1,2,4,5-Tetrachlorobenzene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
1,2,4-Trichlorobenzene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
1,2-Dichlorobenzene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
1,3-Dichlorobenzene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
1,3-Dinitrobenzene	< 0.670	0.670		mg/Kg-dry	5/5/2006 4:42:00 PM	
1,4-Dichlorobenzene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
2,4,5-Trichlorophenol	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
2,4,6-Trichlorophenol	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
2,4-Dichlorophenol	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
2,4-Dimethylphenol	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
2,4-Dinitrophenol	< 1.80	1.80		mg/Kg-dry	5/5/2006 4:42:00 PM	
2,4-Dinitrotoluene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
2,6-Dinitrotoluene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
2-Chloronaphthalene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
2-Chlorophenol	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
2-Methylnaphthalene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
2-Nitroaniline	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
3,3'-Dichlorobenzidine	< 0.885	0.885		mg/Kg-dry	5/8/2006 3:30:00 PM	
3-Nitroaniline	< 1.80	1.80		mg/Kg-dry	5/5/2006 4:42:00 PM	
4-Chloroaniline	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
4-Nitroaniline	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
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Lafayette LA 70598-1816
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(800) 737-2378

CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-24A
Date Received: 28-Apr-06

Client Sample ID: SS-03 (54"-61")
Tag Number: Project #9077-041-0800
Collection Date: 4/25/2006 5:30:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
4-Nitrophenol	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Acenaphthene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Acenaphthylene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Aniline	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Anthracene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Benzo(a)anthracene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Benzo(a)pyrene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Benzo(b)fluoranthene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Benzo(k)fluoranthene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Bis(2-chloroethyl)ether	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Bis(2-chloroisopropyl)ether	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Bis(2-ethylhexyl)phthalate	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Butyl benzyl phthalate	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Chrysene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Di-n-octyl phthalate	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Dibenz(a,h)anthracene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Dibenzofuran	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Diethyl phthalate	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Dimethyl phthalate	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Fluoranthene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Fluorene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Hexachlorobenzene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Hexachlorobutadiene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Hexachlorocyclopentadiene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Hexachloroethane	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Indeno(1,2,3-cd)pyrene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Isophorone	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
N-Nitrosodi-n-propylamine	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
N-Nitrosodiphenylamine	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Naphthalene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Nitrobenzene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Pentachlorophenol	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Phenanthrene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Phenol	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	

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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-24A
Date Received: 28-Apr-06

Client Sample ID: SS-03 (54"-61")
Tag Number: Project #9077-041-0800
Collection Date: 4/25/2006 5:30:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
Pyrene	< 0.885	0.885		mg/Kg-dry	5/5/2006 4:42:00 PM	
Surr: 2,4,6-Tribromophenol	80.1	17.1-142		%REC	5/5/2006 4:42:00 PM	
Surr: 2-Fluorobiphenyl	83.9	15.6-129		%REC	5/5/2006 4:42:00 PM	
Surr: 2-Fluorophenol	80.8	13.7-101		%REC	5/5/2006 4:42:00 PM	
Surr: 4-Terphenyl-d14	80.6	16.7-156		%REC	5/5/2006 4:42:00 PM	
Surr: Nitrobenzene-d5	80.2	15.5-115		%REC	5/5/2006 4:42:00 PM	
Surr: Phenol-d6	86.1	12.8-107		%REC	5/5/2006 4:42:00 PM	
BTEX IN SOIL BY GC		SW8021B				SBH
Benzene	< 0.107	0.107		mg/Kg-dry	5/4/2006 12:09:00 PM	
Ethylbenzene	< 0.670	0.670		mg/Kg-dry	5/4/2006 12:09:00 PM	
Toluene	< 0.670	0.670		mg/Kg-dry	5/4/2006 12:09:00 PM	
Xylenes, Total	< 2.01	2.01		mg/Kg-dry	5/4/2006 12:09:00 PM	
Surr: alpha, alpha, alpha-Trifluorotoluene	98.4	70-130		%REC	5/4/2006 12:09:00 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	93.6	30-148		%REC	5/8/2006 8:39:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	825	200		mg/Kg-dry	5/17/2006 4:00:00 PM	
PERCENT SOLIDS		SW9071B				MB
Percent Solids	37.3	0.0100		wt%	5/4/2006	
TFT (TPH-G SURROGATE)		SW8015B				SBH
Surr: alpha, alpha, alpha-trifluorotoluene	90.2	70-130		%REC	5/4/2006 12:09:00 PM	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	121	26.8		mg/Kg-dry	5/8/2006 8:39:00 PM	
TPH (Oil Range)	< 134	134		mg/Kg-dry	5/8/2006 8:39:00 PM	
TPH (GASOLINE RANGE ORGANICS)		SW8015B				SBH
TPH (Gasoline Range)	< 134	134		mg/Kg-dry	5/4/2006 12:09:00 PM	

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(800) 737-2378

CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-25A
Date Received: 28-Apr-06

Client Sample ID: SS-03 (61"-80")
Tag Number: Project #9077-041-0800
Collection Date: 4/25/2006 5:30:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	10.9	2.23		mg/Kg-dry	5/9/2006 11:48:02 AM	
Barium	2,330	2.23		mg/Kg-dry	5/9/2006 11:48:02 AM	
Calcium	6,040	111		mg/Kg-dry	5/8/2006 4:19:46 PM	
Chromium	16.4	2.23		mg/Kg-dry	5/9/2006 11:48:02 AM	
Lead	27.2	1.11		mg/Kg-dry	5/9/2006 11:48:02 AM	
Magnesium	3,460	111		mg/Kg-dry	5/8/2006 4:19:46 PM	
Potassium	1,710	111		mg/Kg-dry	5/8/2006 4:19:46 PM	
Sodium	1,270	223		mg/Kg-dry	5/8/2006 4:19:46 PM	
Strontium	96.1	2.23		mg/Kg-dry	5/9/2006 11:48:02 AM	
Zinc	75.9	2.23		mg/Kg-dry	5/9/2006 11:48:02 AM	
SEMIVOLATILE ORGANICS IN SOIL		SW8270C				CRM
1,2,4,5-Tetrachlorobenzene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
1,2,4-Trichlorobenzene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
1,2-Dichlorobenzene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
1,3-Dichlorobenzene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
1,3-Dinitrobenzene	< 0.614	0.614		mg/Kg-dry	5/5/2006 5:20:00 PM	
1,4-Dichlorobenzene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
2,4,5-Trichlorophenol	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
2,4,6-Trichlorophenol	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
2,4-Dichlorophenol	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
2,4-Dimethylphenol	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
2,4-Dinitrophenol	< 1.65	1.65		mg/Kg-dry	5/5/2006 5:20:00 PM	
2,4-Dinitrotoluene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
2,6-Dinitrotoluene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
2-Chloronaphthalene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
2-Chlorophenol	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
2-Methylnaphthalene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
2-Nitroaniline	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
3,3'-Dichlorobenzidine	< 0.811	0.811		mg/Kg-dry	5/8/2006 4:08:00 PM	
3-Nitroaniline	< 1.65	1.65		mg/Kg-dry	5/5/2006 5:20:00 PM	
4-Chloroaniline	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
4-Nitroaniline	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-25A
Date Received: 28-Apr-06

Client Sample ID: SS-03 (61"-80")
Tag Number: Project #9077-041-0800
Collection Date: 4/25/2006 5:30:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
4-Nitrophenol	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Acenaphthene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Acenaphthylene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Aniline	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Anthracene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Benzo(a)anthracene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Benzo(a)pyrene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Benzo(b)fluoranthene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Benzo(k)fluoranthene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Bis(2-chloroethyl)ether	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Bis(2-chloroisopropyl)ether	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Bis(2-ethylhexyl)phthalate	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Butyl benzyl phthalate	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Chrysene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Di-n-octyl phthalate	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Dibenz(a,h)anthracene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Dibenzofuran	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Diethyl phthalate	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Dimethyl phthalate	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Fluoranthene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Fluorene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Hexachlorobenzene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Hexachlorobutadiene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Hexachlorocyclopentadiene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Hexachloroethane	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Indeno(1,2,3-cd)pyrene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Isophorone	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
N-Nitrosodi-n-propylamine	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
N-Nitrosodiphenylamine	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Naphthalene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Nitrobenzene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Pentachlorophenol	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Phenanthrene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Phenol	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	

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Collection Date: 4/25/2006 5:30:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
Pyrene	< 0.811	0.811		mg/Kg-dry	5/5/2006 5:20:00 PM	
Surr: 2,4,6-Tribromophenol	79.6	17.1-142		%REC	5/5/2006 5:20:00 PM	
Surr: 2-Fluorobiphenyl	79.1	15.6-129		%REC	5/5/2006 5:20:00 PM	
Surr: 2-Fluorophenol	76.5	13.7-101		%REC	5/5/2006 5:20:00 PM	
Surr: 4-Terphenyl-d14	84.5	16.7-156		%REC	5/5/2006 5:20:00 PM	
Surr: Nitrobenzene-d5	76.7	15.5-115		%REC	5/5/2006 5:20:00 PM	
Surr: Phenol-d6	80.3	12.8-107		%REC	5/5/2006 5:20:00 PM	
BTEX IN SOIL BY GC		SW8021B				SBH
Benzene	< 0.0983	0.098		mg/Kg-dry	5/4/2006 12:33:00 PM	
Ethylbenzene	< 0.614	0.614		mg/Kg-dry	5/4/2006 12:33:00 PM	
Toluene	< 0.614	0.614		mg/Kg-dry	5/4/2006 12:33:00 PM	
Xylenes, Total	< 1.84	1.84		mg/Kg-dry	5/4/2006 12:33:00 PM	
Surr: alpha, alpha, alpha-Trifluorotoluene	101	70-130		%REC	5/4/2006 12:33:00 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	83.0	30-148		%REC	5/8/2006 9:13:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	1,050	400		mg/Kg-dry	5/17/2006 4:00:00 PM	
PERCENT SOLIDS		SW9071B				MB
Percent Solids	40.7	0.0100		wt%	5/4/2006	
TFT (TPH-G SURROGATE)		SW8015B				SBH
Surr: alpha, alpha, alpha-trifluorotoluene	88.6	70-130		%REC	5/4/2006 12:33:00 PM	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	115	24.6		mg/Kg-dry	5/8/2006 9:13:00 PM	
TPH (Oil Range)	< 123	123		mg/Kg-dry	5/8/2006 9:13:00 PM	
TPH (GASOLINE RANGE ORGANICS)		SW8015B				SBH
TPH (Gasoline Range)	< 123	123		mg/Kg-dry	5/4/2006 12:33:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
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Lafayette LA 70598-1816
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(800) 737-2378

CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-26A
Date Received: 28-Apr-06

Client Sample ID: SS-03 (80"-85")
Tag Number: Project #9077-041-0800
Collection Date: 4/25/2006 5:30:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	9.61	2.73		mg/Kg-dry	5/9/2006 11:52:37 AM	
Barium	1,610	2.73		mg/Kg-dry	5/9/2006 11:52:37 AM	
Calcium	6,130	136		mg/Kg-dry	5/8/2006 4:22:47 PM	
Chromium	7.15	2.73		mg/Kg-dry	5/9/2006 11:52:37 AM	
Lead	13.3	1.36		mg/Kg-dry	5/9/2006 11:52:37 AM	
Magnesium	2,590	136		mg/Kg-dry	5/8/2006 4:22:47 PM	
Potassium	1,030	136		mg/Kg-dry	5/8/2006 4:22:47 PM	
Sodium	1,580	273		mg/Kg-dry	5/8/2006 4:22:47 PM	
Strontium	87.1	2.73		mg/Kg-dry	5/9/2006 11:52:37 AM	
Zinc	47.7	2.73		mg/Kg-dry	5/9/2006 11:52:37 AM	
SEMIVOLATILE ORGANICS IN SOIL		SW8270C				CRM
1,2,4,5-Tetrachlorobenzene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
1,2,4-Trichlorobenzene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
1,2-Dichlorobenzene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
1,3-Dichlorobenzene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
1,3-Dinitrobenzene	< 0.725	0.725		mg/Kg-dry	5/5/2006 5:58:00 PM	
1,4-Dichlorobenzene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
2,4,5-Trichlorophenol	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
2,4,6-Trichlorophenol	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
2,4-Dichlorophenol	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
2,4-Dimethylphenol	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
2,4-Dinitrophenol	< 1.94	1.94		mg/Kg-dry	5/5/2006 5:58:00 PM	
2,4-Dinitrotoluene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
2,6-Dinitrotoluene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
2-Chloronaphthalene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
2-Chlorophenol	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
2-Methylnaphthalene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
2-Nitroaniline	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
3,3'-Dichlorobenzidine	< 0.957	0.957		mg/Kg-dry	5/8/2006 4:47:00 PM	
3-Nitroaniline	< 1.94	1.94		mg/Kg-dry	5/5/2006 5:58:00 PM	
4-Chloroaniline	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
4-Nitroaniline	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-26A
Date Received: 28-Apr-06

Client Sample ID: SS-03 (80"-85")
Tag Number: Project #9077-041-0800
Collection Date: 4/25/2006 5:30:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
4-Nitrophenol	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Acenaphthene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Acenaphthylene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Aniline	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Anthracene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Benzo(a)anthracene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Benzo(a)pyrene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Benzo(b)fluoranthene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Benzo(k)fluoranthene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Bis(2-chloroethyl)ether	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Bis(2-chloroisopropyl)ether	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Bis(2-ethylhexyl)phthalate	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Butyl benzyl phthalate	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Chrysene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Di-n-octyl phthalate	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Dibenz(a,h)anthracene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Dibenzofuran	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Diethyl phthalate	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Dimethyl phthalate	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Fluoranthene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Fluorene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Hexachlorobenzene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Hexachlorobutadiene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Hexachlorocyclopentadiene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Hexachloroethane	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Indeno(1,2,3-cd)pyrene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Isophorone	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
N-Nitrosodi-n-propylamine	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
N-Nitrosodiphenylamine	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Naphthalene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Nitrobenzene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Pentachlorophenol	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Phenanthrene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Phenol	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	

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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-26A
Date Received: 28-Apr-06

Client Sample ID: SS-03 (80"-85")
Tag Number: Project #9077-041-0800
Collection Date: 4/25/2006 5:30:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
Pyrene	< 0.957	0.957		mg/Kg-dry	5/5/2006 5:58:00 PM	
Surr: 2,4,6-Tribromophenol	81.5	17.1-142		%REC	5/5/2006 5:58:00 PM	
Surr: 2-Fluorobiphenyl	83.1	15.6-129		%REC	5/5/2006 5:58:00 PM	
Surr: 2-Fluorophenol	79.5	13.7-101		%REC	5/5/2006 5:58:00 PM	
Surr: 4-Terphenyl-d14	85.4	16.7-156		%REC	5/5/2006 5:58:00 PM	
Surr: Nitrobenzene-d5	80.7	15.5-115		%REC	5/5/2006 5:58:00 PM	
Surr: Phenol-d6	84.4	12.8-107		%REC	5/5/2006 5:58:00 PM	
BTEX IN SOIL BY GC		SW8021B				SBH
Benzene	< 0.116	0.116		mg/Kg-dry	5/4/2006 12:57:00 PM	
Ethylbenzene	< 0.725	0.725		mg/Kg-dry	5/4/2006 12:57:00 PM	
Toluene	< 0.725	0.725		mg/Kg-dry	5/4/2006 12:57:00 PM	
Xylenes, Total	< 2.17	2.17		mg/Kg-dry	5/4/2006 12:57:00 PM	
Surr: alpha, alpha, alpha-Trifluorotoluene	102	70-130		%REC	5/4/2006 12:57:00 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	88.5	30-148		%REC	5/9/2006 9:45:00 AM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	1,000	80.0		mg/Kg-dry	5/17/2006 4:00:00 PM	
PERCENT SOLIDS		SW9071B				MB
Percent Solids	34.5	0.0100		wt%	5/4/2006	
TFT (TPH-G SURROGATE)		SW8015B				SBH
Surr: alpha, alpha, alpha-trifluorotoluene	89.8	70-130		%REC	5/4/2006 12:57:00 PM	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	128	29.0		mg/Kg-dry	5/9/2006 9:45:00 AM	
TPH (Oil Range)	< 145	145		mg/Kg-dry	5/9/2006 9:45:00 AM	
TPH (GASOLINE RANGE ORGANICS)		SW8015B				SBH
TPH (Gasoline Range)	< 145	145		mg/Kg-dry	5/4/2006 12:57:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-27A
Date Received: 28-Apr-06

Client Sample ID: SS-07 (46"-62")
Tag Number: Project #9077-041-0800
Collection Date: 4/26/2006 5:45:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	22.0	3.16		mg/Kg-dry	5/9/2006 11:56:56 AM	
Barium	15,700	3.16		mg/Kg-dry	5/9/2006 11:56:56 AM	
Calcium	5,630	158		mg/Kg-dry	5/8/2006 4:25:49 PM	
Chromium	20.0	3.16		mg/Kg-dry	5/9/2006 11:56:56 AM	
Lead	67.5	1.58		mg/Kg-dry	5/9/2006 11:56:56 AM	
Magnesium	4,300	158		mg/Kg-dry	5/8/2006 4:25:49 PM	
Potassium	2,170	158		mg/Kg-dry	5/8/2006 4:25:49 PM	
Sodium	2,550	316		mg/Kg-dry	5/8/2006 4:25:49 PM	
Strontium	231	3.16		mg/Kg-dry	5/9/2006 11:56:56 AM	
Zinc	111	3.16		mg/Kg-dry	5/9/2006 11:56:56 AM	
SEMIVOLATILE ORGANICS IN SOIL		SW8270C				CRM
1,2,4,5-Tetrachlorobenzene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
1,2,4-Trichlorobenzene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
1,2-Dichlorobenzene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
1,3-Dichlorobenzene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
1,3-Dinitrobenzene	< 0.883	0.883		mg/Kg-dry	5/5/2006 6:36:00 PM	
1,4-Dichlorobenzene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
2,4,5-Trichlorophenol	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
2,4,6-Trichlorophenol	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
2,4-Dichlorophenol	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
2,4-Dimethylphenol	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
2,4-Dinitrophenol	< 2.37	2.37		mg/Kg-dry	5/5/2006 6:36:00 PM	
2,4-Dinitrotoluene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
2,6-Dinitrotoluene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
2-Chloronaphthalene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
2-Chlorophenol	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
2-Methylnaphthalene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
2-Nitroaniline	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
3,3'-Dichlorobenzidine	< 1.17	1.17		mg/Kg-dry	5/8/2006 5:25:00 PM	
3-Nitroaniline	< 2.37	2.37		mg/Kg-dry	5/5/2006 6:36:00 PM	
4-Chloroaniline	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
4-Nitroaniline	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-27A
Date Received: 28-Apr-06

Client Sample ID: SS-07 (46"-62")
Tag Number: Project #9077-041-0800
Collection Date: 4/26/2006 5:45:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
4-Nitrophenol	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Acenaphthene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Acenaphthylene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Aniline	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Anthracene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Benzo(a)anthracene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Benzo(a)pyrene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Benzo(b)fluoranthene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Benzo(k)fluoranthene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Bis(2-chloroethyl)ether	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Bis(2-chloroisopropyl)ether	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Bis(2-ethylhexyl)phthalate	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Butyl benzyl phthalate	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Chrysene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Di-n-octyl phthalate	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Dibenz(a,h)anthracene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Dibenzofuran	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Diethyl phthalate	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Dimethyl phthalate	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Fluoranthene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Fluorene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Hexachlorobenzene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Hexachlorobutadiene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Hexachlorocyclopentadiene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Hexachloroethane	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Indeno(1,2,3-cd)pyrene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Isophorone	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
N-Nitrosodi-n-propylamine	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
N-Nitrosodiphenylamine	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Naphthalene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Nitrobenzene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Pentachlorophenol	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Phenanthrene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Phenol	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	

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Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
Pyrene	< 1.17	1.17		mg/Kg-dry	5/5/2006 6:36:00 PM	
Surr: 2,4,6-Tribromophenol	81.3	17.1-142		%REC	5/5/2006 6:36:00 PM	
Surr: 2-Fluorobiphenyl	85.9	15.6-129		%REC	5/5/2006 6:36:00 PM	
Surr: 2-Fluorophenol	83.5	13.7-101		%REC	5/5/2006 6:36:00 PM	
Surr: 4-Terphenyl-d14	83.4	16.7-156		%REC	5/5/2006 6:36:00 PM	
Surr: Nitrobenzene-d5	81.7	15.5-115		%REC	5/5/2006 6:36:00 PM	
Surr: Phenol-d6	87.3	12.8-107		%REC	5/5/2006 6:36:00 PM	
BTEX IN SOIL BY GC		SW8021B				SBH
Benzene	< 0.141	0.141		mg/Kg-dry	5/4/2006 1:20:00 PM	
Ethylbenzene	< 0.883	0.883		mg/Kg-dry	5/4/2006 1:20:00 PM	
Toluene	< 0.883	0.883		mg/Kg-dry	5/4/2006 1:20:00 PM	
Xylenes, Total	< 2.65	2.65		mg/Kg-dry	5/4/2006 1:20:00 PM	
Surr: alpha, alpha, alpha-Trifluorotoluene	100	70-130		%REC	5/4/2006 1:20:00 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	92.9	30-148		%REC	5/8/2006 9:54:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	2,050	400		mg/Kg-dry	5/17/2006 4:00:00 PM	
PERCENT SOLIDS		SW9071B				MB
Percent Solids	28.3	0.0100		wt%	5/4/2006	
TFT (TPH-G SURROGATE)		SW8015B				SBH
Surr: alpha, alpha, alpha-trifluorotoluene	88.2	70-130		%REC	5/4/2006 1:20:00 PM	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	386	353		mg/Kg-dry	5/8/2006 9:54:00 PM	
TPH (Oil Range)	553	530		mg/Kg-dry	5/8/2006 9:54:00 PM	
TPH (GASOLINE RANGE ORGANICS)		SW8015B				SBH
TPH (Gasoline Range)	< 177	177		mg/Kg-dry	5/4/2006 1:20:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
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	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
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(800) 737-2378

CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-28A
Date Received: 28-Apr-06

Client Sample ID: SS-07 (62"-75")
Tag Number: Project #9077-041-0800
Collection Date: 4/26/2006 5:45:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	21.5	2.00		mg/Kg-dry	5/9/2006 12:01:37 PM	
Barium	13,500	2.00		mg/Kg-dry	5/9/2006 12:01:37 PM	
Calcium	15,600	99.8		mg/Kg-dry	5/8/2006 4:28:47 PM	
Chromium	13.3	2.00		mg/Kg-dry	5/9/2006 12:01:37 PM	
Lead	117	0.998		mg/Kg-dry	5/9/2006 12:01:37 PM	
Magnesium	4,720	99.8		mg/Kg-dry	5/8/2006 4:28:47 PM	
Potassium	1,740	99.8		mg/Kg-dry	5/8/2006 4:28:47 PM	
Sodium	1,470	200		mg/Kg-dry	5/8/2006 4:28:47 PM	
Strontium	337	20.0		mg/Kg-dry	5/19/2006 3:27:29 PM	
Zinc	98.1	2.00		mg/Kg-dry	5/9/2006 12:01:37 PM	
SEMIVOLATILE ORGANICS IN SOIL		SW8270C				CRM
1,2,4,5-Tetrachlorobenzene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
1,2,4-Trichlorobenzene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
1,2-Dichlorobenzene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
1,3-Dichlorobenzene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
1,3-Dinitrobenzene	< 0.653	0.653		mg/Kg-dry	5/5/2006 7:14:00 PM	
1,4-Dichlorobenzene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
2,4,5-Trichlorophenol	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
2,4,6-Trichlorophenol	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
2,4-Dichlorophenol	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
2,4-Dimethylphenol	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
2,4-Dinitrophenol	< 1.75	1.75		mg/Kg-dry	5/5/2006 7:14:00 PM	
2,4-Dinitrotoluene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
2,6-Dinitrotoluene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
2-Chloronaphthalene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
2-Chlorophenol	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
2-Methylnaphthalene	5.29	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
2-Nitroaniline	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
3,3'-Dichlorobenzidine	< 0.862	0.862		mg/Kg-dry	5/8/2006 6:04:00 PM	
3-Nitroaniline	< 1.75	1.75		mg/Kg-dry	5/5/2006 7:14:00 PM	
4-Chloroaniline	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
4-Nitroaniline	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
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(800) 737-2378

CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-28A
Date Received: 28-Apr-06

Client Sample ID: SS-07 (62"-75")
Tag Number: Project #9077-041-0800
Collection Date: 4/26/2006 5:45:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
4-Nitrophenol	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Acenaphthene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Acenaphthylene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Aniline	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Anthracene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Benzo(a)anthracene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Benzo(a)pyrene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Benzo(b)fluoranthene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Benzo(k)fluoranthene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Bis(2-chloroethyl)ether	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Bis(2-chloroisopropyl)ether	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Bis(2-ethylhexyl)phthalate	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Butyl benzyl phthalate	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Chrysene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Di-n-octyl phthalate	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Dibenz(a,h)anthracene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Dibenzofuran	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Diethyl phthalate	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Dimethyl phthalate	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Fluoranthene	1.30	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Fluorene	1.69	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Hexachlorobenzene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Hexachlorobutadiene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Hexachlorocyclopentadiene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Hexachloroethane	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Indeno(1,2,3-cd)pyrene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Isophorone	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
N-Nitrosodi-n-propylamine	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
N-Nitrosodiphenylamine	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Naphthalene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Nitrobenzene	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Pentachlorophenol	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Phenanthrene	4.87	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Phenol	< 0.862	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	

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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-28A
Date Received: 28-Apr-06

Client Sample ID: SS-07 (62"-75")
Tag Number: Project #9077-041-0800
Collection Date: 4/26/2006 5:45:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
Pyrene	0.960	0.862		mg/Kg-dry	5/5/2006 7:14:00 PM	
Surr: 2,4,6-Tribromophenol	96.7	17.1-142		%REC	5/5/2006 7:14:00 PM	
Surr: 2-Fluorobiphenyl	86.6	15.6-129		%REC	5/5/2006 7:14:00 PM	
Surr: 2-Fluorophenol	90.9	13.7-101		%REC	5/5/2006 7:14:00 PM	
Surr: 4-Terphenyl-d14	81.6	16.7-156		%REC	5/5/2006 7:14:00 PM	
Surr: Nitrobenzene-d5	81.0	15.5-115		%REC	5/5/2006 7:14:00 PM	
Surr: Phenol-d6	90.5	12.8-107		%REC	5/5/2006 7:14:00 PM	
BTEX IN SOIL BY GC		SW8021B				SBH
Benzene	< 0.104	0.104		mg/Kg-dry	5/4/2006 1:44:00 PM	
Ethylbenzene	< 0.653	0.653		mg/Kg-dry	5/4/2006 1:44:00 PM	
Toluene	< 0.653	0.653		mg/Kg-dry	5/4/2006 1:44:00 PM	
Xylenes, Total	< 1.96	1.96		mg/Kg-dry	5/4/2006 1:44:00 PM	
Surr: alpha, alpha, alpha-Trifluorotoluene	95.8	70-130		%REC	5/4/2006 1:44:00 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	94.4	30-148		%REC	5/8/2006 10:01:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	980	80.0		mg/Kg-dry	5/17/2006 4:00:00 PM	
PERCENT SOLIDS		SW9071B				MB
Percent Solids	38.3	0.0100		wt%	5/4/2006	
TFT (TPH-G SURROGATE)		SW8015B				SBH
Surr: alpha, alpha, alpha-trifluorotoluene	90.0	70-130		%REC	5/4/2006 1:44:00 PM	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	1,770	261		mg/Kg-dry	5/8/2006 10:01:00 PM	
TPH (Oil Range)	496	470		mg/Kg-dry	5/8/2006 10:01:00 PM	
TPH (GASOLINE RANGE ORGANICS)		SW8015B				SBH
TPH (Gasoline Range)	< 131	131		mg/Kg-dry	5/4/2006 1:44:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
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	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services	Client Sample ID: SS-07 (75"-88")
Lab Order: L06050004	Tag Number: Project #9077-041-0800
Project: VPSB White Lake	Collection Date: 4/26/2006 5:45:00 PM
Lab ID: L06050004-29A	Matrix: SOIL
Date Received: 28-Apr-06	Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	9.10	2.58		mg/Kg-dry	5/9/2006 12:05:54 PM	
Barium	3,780	2.58		mg/Kg-dry	5/9/2006 12:05:54 PM	
Calcium	7,160	129		mg/Kg-dry	5/8/2006 4:31:49 PM	
Chromium	8.25	2.58		mg/Kg-dry	5/9/2006 12:05:54 PM	
Lead	20.0	1.29		mg/Kg-dry	5/9/2006 12:05:54 PM	
Magnesium	3,320	129		mg/Kg-dry	5/8/2006 4:31:49 PM	
Potassium	1,500	129		mg/Kg-dry	5/8/2006 4:31:49 PM	
Sodium	2,110	258		mg/Kg-dry	5/8/2006 4:31:49 PM	
Strontium	130	2.58		mg/Kg-dry	5/9/2006 12:05:54 PM	
Zinc	63.1	2.58		mg/Kg-dry	5/9/2006 12:05:54 PM	
SEMIVOLATILE ORGANICS IN SOIL		SW8270C				CRM
1,2,4,5-Tetrachlorobenzene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
1,2,4-Trichlorobenzene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
1,2-Dichlorobenzene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
1,3-Dichlorobenzene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
1,3-Dinitrobenzene	< 0.742	0.742		mg/Kg-dry	5/5/2006 7:51:00 PM	
1,4-Dichlorobenzene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
2,4,5-Trichlorophenol	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
2,4,6-Trichlorophenol	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
2,4-Dichlorophenol	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
2,4-Dimethylphenol	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
2,4-Dinitrophenol	< 1.99	1.99		mg/Kg-dry	5/5/2006 7:51:00 PM	
2,4-Dinitrotoluene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
2,6-Dinitrotoluene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
2-Chloronaphthalene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
2-Chlorophenol	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
2-Methylnaphthalene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
2-Nitroaniline	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
3,3'-Dichlorobenzidine	< 0.979	0.979		mg/Kg-dry	5/8/2006 6:42:00 PM	
3-Nitroaniline	< 1.99	1.99		mg/Kg-dry	5/5/2006 7:51:00 PM	
4-Chloroaniline	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
4-Nitroaniline	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
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	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services	Client Sample ID: SS-07 (75"-88")
Lab Order: L06050004	Tag Number: Project #9077-041-0800
Project: VPSB White Lake	Collection Date: 4/26/2006 5:45:00 PM
Lab ID: L06050004-29A	Matrix: SOIL
Date Received: 28-Apr-06	Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
4-Nitrophenol	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Acenaphthene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Acenaphthylene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Aniline	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Anthracene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Benzo(a)anthracene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Benzo(a)pyrene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Benzo(b)fluoranthene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Benzo(k)fluoranthene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Bis(2-chloroethyl)ether	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Bis(2-chloroisopropyl)ether	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Bis(2-ethylhexyl)phthalate	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Butyl benzyl phthalate	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Chrysene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Di-n-octyl phthalate	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Dibenz(a,h)anthracene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Dibenzofuran	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Diethyl phthalate	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Dimethyl phthalate	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Fluoranthene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Fluorene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Hexachlorobenzene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Hexachlorobutadiene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Hexachlorocyclopentadiene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Hexachloroethane	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Indeno(1,2,3-cd)pyrene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Isophorone	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
N-Nitrosodi-n-propylamine	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
N-Nitrosodiphenylamine	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Naphthalene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Nitrobenzene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Pentachlorophenol	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Phenanthrene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Phenol	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
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(800) 737-2378

CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-29A
Date Received: 28-Apr-06

Client Sample ID: SS-07 (75"-88")
Tag Number: Project #9077-041-0800
Collection Date: 4/26/2006 5:45:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
Pyrene	< 0.979	0.979		mg/Kg-dry	5/5/2006 7:51:00 PM	
Surr: 2,4,6-Tribromophenol	81.7	17.1-142		%REC	5/5/2006 7:51:00 PM	
Surr: 2-Fluorobiphenyl	81.0	15.6-129		%REC	5/5/2006 7:51:00 PM	
Surr: 2-Fluorophenol	74.9	13.7-101		%REC	5/5/2006 7:51:00 PM	
Surr: 4-Terphenyl-d14	87.5	16.7-156		%REC	5/5/2006 7:51:00 PM	
Surr: Nitrobenzene-d5	74.8	15.5-115		%REC	5/5/2006 7:51:00 PM	
Surr: Phenol-d6	80.2	12.8-107		%REC	5/5/2006 7:51:00 PM	
BTEX IN SOIL BY GC						
		SW8021B				SBH
Benzene	< 0.119	0.119		mg/Kg-dry	5/4/2006 2:07:00 PM	
Ethylbenzene	< 0.742	0.742		mg/Kg-dry	5/4/2006 2:07:00 PM	
Toluene	< 0.742	0.742		mg/Kg-dry	5/4/2006 2:07:00 PM	
Xylenes, Total	< 2.23	2.23		mg/Kg-dry	5/4/2006 2:07:00 PM	
Surr: alpha, alpha, alpha-Trifluorotoluene	97.6	70-130		%REC	5/4/2006 2:07:00 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)						
		SW8015B				SBH
Surr: n-Pentacosane	82.8	30-148		%REC	5/8/2006 9:20:00 PM	
SOLUBLE CHLORIDE						
		M4500-CL B				SP
Chlorides	1,090	80.0		mg/Kg-dry	5/17/2006 4:00:00 PM	
PERCENT SOLIDS						
		SW9071B				MB
Percent Solids	33.7	0.0100		wt%	5/4/2006	
TFT (TPH-G SURROGATE)						
		SW8015B				SBH
Surr: alpha, alpha, alpha-trifluorotoluene	90.4	70-130		%REC	5/4/2006 2:07:00 PM	
TPH BY GC/FID						
		SW8015B				SBH
TPH (Diesel Range)	33.7	29.7		mg/Kg-dry	5/8/2006 9:20:00 PM	
TPH (Oil Range)	< 148	148		mg/Kg-dry	5/8/2006 9:20:00 PM	
TPH (GASOLINE RANGE ORGANICS)						
		SW8015B				SBH
TPH (Gasoline Range)	< 148	148		mg/Kg-dry	5/4/2006 2:07:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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Lafayette LA 70598-1816
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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-30A
Date Received: 28-Apr-06

Client Sample ID: SS-05 (67"-93")
Tag Number: Project #9077-041-0800
Collection Date: 4/26/2006 1:30:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	11.4	2.09		mg/Kg-dry	5/9/2006 12:24:11 PM	
Barium	7,450	2.09		mg/Kg-dry	5/9/2006 12:24:11 PM	
Calcium	3,470	104		mg/Kg-dry	5/8/2006 4:34:49 PM	
Chromium	21.8	2.09		mg/Kg-dry	5/9/2006 12:24:11 PM	
Lead	117	1.04		mg/Kg-dry	5/9/2006 12:24:11 PM	
Magnesium	3,040	104		mg/Kg-dry	5/8/2006 4:34:49 PM	
Potassium	1,590	104		mg/Kg-dry	5/8/2006 4:34:49 PM	
Sodium	1,200	209		mg/Kg-dry	5/8/2006 4:34:49 PM	
Strontium	140	2.09		mg/Kg-dry	5/9/2006 12:24:11 PM	
Zinc	174	2.09		mg/Kg-dry	5/9/2006 12:24:11 PM	
SEMIVOLATILE ORGANICS IN SOIL		SW8270C				CRM
1,2,4,5-Tetrachlorobenzene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
1,2,4-Trichlorobenzene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
1,2-Dichlorobenzene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
1,3-Dichlorobenzene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
1,3-Dinitrobenzene	< 0.588	0.588		mg/Kg-dry	5/5/2006 8:29:00 PM	
1,4-Dichlorobenzene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
2,4,5-Trichlorophenol	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
2,4,6-Trichlorophenol	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
2,4-Dichlorophenol	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
2,4-Dimethylphenol	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
2,4-Dinitrophenol	< 1.58	1.58		mg/Kg-dry	5/5/2006 8:29:00 PM	
2,4-Dinitrotoluene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
2,6-Dinitrotoluene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
2-Chloronaphthalene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
2-Chlorophenol	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
2-Methylnaphthalene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
2-Nitroaniline	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
3,3'-Dichlorobenzidine	< 0.776	0.776		mg/Kg-dry	5/8/2006 7:20:00 PM	
3-Nitroaniline	< 1.58	1.58		mg/Kg-dry	5/5/2006 8:29:00 PM	
4-Chloroaniline	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
4-Nitroaniline	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	

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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-30A
Date Received: 28-Apr-06

Client Sample ID: SS-05 (67"-93")
Tag Number: Project #9077-041-0800
Collection Date: 4/26/2006 1:30:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
4-Nitrophenol	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Acenaphthene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Acenaphthylene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Aniline	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Anthracene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Benzo(a)anthracene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Benzo(a)pyrene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Benzo(b)fluoranthene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Benzo(k)fluoranthene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Bis(2-chloroethyl)ether	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Bis(2-chloroisopropyl)ether	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Bis(2-ethylhexyl)phthalate	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Butyl benzyl phthalate	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Chrysene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Di-n-octyl phthalate	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Dibenz(a,h)anthracene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Dibenzofuran	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Diethyl phthalate	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Dimethyl phthalate	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Fluoranthene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Fluorene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Hexachlorobenzene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Hexachlorobutadiene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Hexachlorocyclopentadiene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Hexachloroethane	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Indeno(1,2,3-cd)pyrene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Isophorone	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
N-Nitrosodi-n-propylamine	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
N-Nitrosodiphenylamine	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Naphthalene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Nitrobenzene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Pentachlorophenol	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Phenanthrene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Phenol	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	

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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-30A
Date Received: 28-Apr-06

Client Sample ID: SS-05 (67"-93")
Tag Number: Project #9077-041-0800
Collection Date: 4/26/2006 1:30:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
Pyrene	< 0.776	0.776		mg/Kg-dry	5/5/2006 8:29:00 PM	
Surr: 2,4,6-Tribromophenol	83.4	17.1-142		%REC	5/5/2006 8:29:00 PM	
Surr: 2-Fluorobiphenyl	80.7	15.6-129		%REC	5/5/2006 8:29:00 PM	
Surr: 2-Fluorophenol	79.5	13.7-101		%REC	5/5/2006 8:29:00 PM	
Surr: 4-Terphenyl-d14	85.0	16.7-156		%REC	5/5/2006 8:29:00 PM	
Surr: Nitrobenzene-d5	76.4	15.5-115		%REC	5/5/2006 8:29:00 PM	
Surr: Phenol-d6	83.5	12.8-107		%REC	5/5/2006 8:29:00 PM	
BTEX IN SOIL BY GC		SW8021B				SBH
Benzene	< 0.0941	0.094		mg/Kg-dry	5/4/2006 2:31:00 PM	
Ethylbenzene	< 0.588	0.588		mg/Kg-dry	5/4/2006 2:31:00 PM	
Toluene	< 0.588	0.588		mg/Kg-dry	5/4/2006 2:31:00 PM	
Xylenes, Total	< 1.76	1.76		mg/Kg-dry	5/4/2006 2:31:00 PM	
Surr: alpha, alpha, alpha-Trifluorotoluene	98.8	70-130		%REC	5/4/2006 2:31:00 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	76.7	30-148		%REC	5/8/2006 9:27:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	1,430	80.0		mg/Kg-dry	5/17/2006 4:00:00 PM	
PERCENT SOLIDS		SW9071B				MB
Percent Solids	42.5	0.0100		wt%	5/4/2006	
TFT (TPH-G SURROGATE)		SW8015B				SBH
Surr: alpha, alpha, alpha-trifluorotoluene	89.8	70-130		%REC	5/4/2006 2:31:00 PM	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	185	23.5		mg/Kg-dry	5/8/2006 9:27:00 PM	
TPH (Oil Range)	< 118	118		mg/Kg-dry	5/8/2006 9:27:00 PM	
TPH (GASOLINE RANGE ORGANICS)		SW8015B				SBH
TPH (Gasoline Range)	< 118	118		mg/Kg-dry	5/4/2006 2:31:00 PM	

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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-31A
Date Received: 28-Apr-06

Client Sample ID: SS-11 (66"-97")
Tag Number: Project #9077-041-0800
Collection Date: 4/27/2006 2:15:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	5.28	0.899		mg/Kg-dry	5/9/2006 12:28:51 PM	
Barium	2,750	0.899		mg/Kg-dry	5/9/2006 12:28:51 PM	
Calcium	6,450	44.9		mg/Kg-dry	5/8/2006 4:37:49 PM	
Chromium	25.1	0.899		mg/Kg-dry	5/9/2006 12:28:51 PM	
Lead	63.6	0.449		mg/Kg-dry	5/9/2006 12:28:51 PM	
Magnesium	1,920	44.9		mg/Kg-dry	5/8/2006 4:37:49 PM	
Potassium	770	44.9		mg/Kg-dry	5/8/2006 4:37:49 PM	
Sodium	372	89.9		mg/Kg-dry	5/8/2006 4:37:49 PM	
Strontium	64.8	0.899		mg/Kg-dry	5/9/2006 12:28:51 PM	
Zinc	194	0.899		mg/Kg-dry	5/9/2006 12:28:51 PM	
SEMIVOLATILE ORGANICS IN SOIL		SW8270C				CRM
1,2,4,5-Tetrachlorobenzene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
1,2,4-Trichlorobenzene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
1,2-Dichlorobenzene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
1,3-Dichlorobenzene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
1,3-Dinitrobenzene	< 0.353	0.353		mg/Kg-dry	5/8/2006 7:58:00 PM	
1,4-Dichlorobenzene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
2,4,5-Trichlorophenol	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
2,4,6-Trichlorophenol	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
2,4-Dichlorophenol	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
2,4-Dimethylphenol	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
2,4-Dinitrophenol	< 0.946	0.946		mg/Kg-dry	5/8/2006 7:58:00 PM	
2,4-Dinitrotoluene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
2,6-Dinitrotoluene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
2-Chloronaphthalene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
2-Chlorophenol	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
2-Methylnaphthalene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
2-Nitroaniline	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
3,3'-Dichlorobenzidine	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
3-Nitroaniline	< 0.946	0.946		mg/Kg-dry	5/8/2006 7:58:00 PM	
4-Chloroaniline	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
4-Nitroaniline	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-31A
Date Received: 28-Apr-06

Client Sample ID: SS-11 (66"-97")
Tag Number: Project #9077-041-0800
Collection Date: 4/27/2006 2:15:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
4-Nitrophenol	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Acenaphthene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Acenaphthylene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Aniline	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Anthracene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Benzo(a)anthracene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Benzo(a)pyrene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Benzo(b)fluoranthene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Benzo(k)fluoranthene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Bis(2-chloroethyl)ether	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Bis(2-chloroisopropyl)ether	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Bis(2-ethylhexyl)phthalate	0.495	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Butyl benzyl phthalate	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Chrysene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Di-n-octyl phthalate	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Dibenz(a,h)anthracene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Dibenzofuran	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Diethyl phthalate	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Dimethyl phthalate	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Fluoranthene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Fluorene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Hexachlorobenzene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Hexachlorobutadiene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Hexachlorocyclopentadiene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Hexachloroethane	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Indeno(1,2,3-cd)pyrene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Isophorone	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
N-Nitrosodi-n-propylamine	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
N-Nitrosodiphenylamine	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Naphthalene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Nitrobenzene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Pentachlorophenol	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Phenanthrene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Phenol	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
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Lafayette LA 70598-1816
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(800) 737-2378

CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-31A
Date Received: 28-Apr-06

Client Sample ID: SS-11 (66"-97")
Tag Number: Project #9077-041-0800
Collection Date: 4/27/2006 2:15:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
Pyrene	< 0.466	0.466		mg/Kg-dry	5/8/2006 7:58:00 PM	
Surr: 2,4,6-Tribromophenol	75.8	17.1-142		%REC	5/8/2006 7:58:00 PM	
Surr: 2-Fluorobiphenyl	78.0	15.6-129		%REC	5/8/2006 7:58:00 PM	
Surr: 2-Fluorophenol	75.2	13.7-101		%REC	5/8/2006 7:58:00 PM	
Surr: 4-Terphenyl-d14	84.7	16.7-156		%REC	5/8/2006 7:58:00 PM	
Surr: Nitrobenzene-d5	75.9	15.5-115		%REC	5/8/2006 7:58:00 PM	
Surr: Phenol-d6	78.7	12.8-107		%REC	5/8/2006 7:58:00 PM	
BTEX IN SOIL BY GC		SW8021B				SBH
Benzene	< 0.0565	0.056		mg/Kg-dry	5/4/2006 2:55:00 PM	
Ethylbenzene	< 0.353	0.353		mg/Kg-dry	5/4/2006 2:55:00 PM	
Toluene	< 0.353	0.353		mg/Kg-dry	5/4/2006 2:55:00 PM	
Xylenes, Total	< 1.06	1.06		mg/Kg-dry	5/4/2006 2:55:00 PM	
Surr: alpha, alpha, alpha-Trifluorotoluene	96.6	70-130		%REC	5/4/2006 2:55:00 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	81.1	30-148		%REC	5/9/2006 9:52:00 AM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	540	40.0		mg/Kg-dry	5/17/2006 4:00:00 PM	
PERCENT SOLIDS		SW9071B				MB
Percent Solids	70.8	0.0100		wt%	5/4/2006	
TFT (TPH-G SURROGATE)		SW8015B				SBH
Surr: alpha, alpha, alpha-trifluorotoluene	84.0	70-130		%REC	5/4/2006 2:55:00 PM	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	326	28.2		mg/Kg-dry	5/9/2006 9:52:00 AM	
TPH (Oil Range)	317	141		mg/Kg-dry	5/9/2006 9:52:00 AM	
TPH (GASOLINE RANGE ORGANICS)		SW8015B				SBH
TPH (Gasoline Range)	< 70.6	70.6		mg/Kg-dry	5/4/2006 2:55:00 PM	

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Lafayette LA 70598-1816
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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-32A
Date Received: 28-Apr-06

Client Sample ID: SS-11 (97"-107")
Tag Number: Project #9077-041-0800
Collection Date: 4/27/2006 2:15:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	8.71	1.44		mg/Kg-dry	5/9/2006 12:33:37 PM	
Barium	2,170	1.44		mg/Kg-dry	5/9/2006 12:33:37 PM	
Calcium	3,040	71.8		mg/Kg-dry	5/8/2006 4:40:48 PM	
Chromium	18.3	1.44		mg/Kg-dry	5/9/2006 12:33:37 PM	
Lead	35.4	0.718		mg/Kg-dry	5/9/2006 12:33:37 PM	
Magnesium	3,450	71.8		mg/Kg-dry	5/8/2006 4:40:48 PM	
Potassium	1,610	71.8		mg/Kg-dry	5/8/2006 4:40:48 PM	
Sodium	880	144		mg/Kg-dry	5/8/2006 4:40:48 PM	
Strontium	80.2	1.44		mg/Kg-dry	5/9/2006 12:33:37 PM	
Zinc	120	1.44		mg/Kg-dry	5/9/2006 12:33:37 PM	
SEMIVOLATILE ORGANICS IN SOIL		SW8270C				CRM
1,2,4,5-Tetrachlorobenzene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
1,2,4-Trichlorobenzene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
1,2-Dichlorobenzene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
1,3-Dichlorobenzene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
1,3-Dinitrobenzene	< 0.451	0.451		mg/Kg-dry	5/8/2006 8:36:00 PM	
1,4-Dichlorobenzene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
2,4,5-Trichlorophenol	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
2,4,6-Trichlorophenol	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
2,4-Dichlorophenol	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
2,4-Dimethylphenol	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
2,4-Dinitrophenol	< 1.21	1.21		mg/Kg-dry	5/8/2006 8:36:00 PM	
2,4-Dinitrotoluene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
2,6-Dinitrotoluene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
2-Chloronaphthalene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
2-Chlorophenol	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
2-Methylnaphthalene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
2-Nitroaniline	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
3,3'-Dichlorobenzidine	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
3-Nitroaniline	< 1.21	1.21		mg/Kg-dry	5/8/2006 8:36:00 PM	
4-Chloroaniline	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
4-Nitroaniline	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	

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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-32A
Date Received: 28-Apr-06

Client Sample ID: SS-11 (97"-107")
Tag Number: Project #9077-041-0800
Collection Date: 4/27/2006 2:15:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
4-Nitrophenol	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Acenaphthene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Acenaphthylene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Aniline	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Anthracene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Benzo(a)anthracene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Benzo(a)pyrene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Benzo(b)fluoranthene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Benzo(k)fluoranthene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Bis(2-chloroethyl)ether	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Bis(2-chloroisopropyl)ether	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Bis(2-ethylhexyl)phthalate	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Butyl benzyl phthalate	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Chrysene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Di-n-octyl phthalate	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Dibenz(a,h)anthracene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Dibenzofuran	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Diethyl phthalate	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Dimethyl phthalate	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Fluoranthene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Fluorene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Hexachlorobenzene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Hexachlorobutadiene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Hexachlorocyclopentadiene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Hexachloroethane	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Indeno(1,2,3-cd)pyrene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Isophorone	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
N-Nitrosodi-n-propylamine	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
N-Nitrosodiphenylamine	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Naphthalene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Nitrobenzene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Pentachlorophenol	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Phenanthrene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Phenol	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	

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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-32A
Date Received: 28-Apr-06

Client Sample ID: SS-11 (97"-107")
Tag Number: Project #9077-041-0800
Collection Date: 4/27/2006 2:15:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
Pyrene	< 0.596	0.596		mg/Kg-dry	5/8/2006 8:36:00 PM	
Surr: 2,4,6-Tribromophenol	77.6	17.1-142		%REC	5/8/2006 8:36:00 PM	
Surr: 2-Fluorobiphenyl	78.1	15.6-129		%REC	5/8/2006 8:36:00 PM	
Surr: 2-Fluorophenol	73.6	13.7-101		%REC	5/8/2006 8:36:00 PM	
Surr: 4-Terphenyl-d14	82.3	16.7-156		%REC	5/8/2006 8:36:00 PM	
Surr: Nitrobenzene-d5	73.4	15.5-115		%REC	5/8/2006 8:36:00 PM	
Surr: Phenol-d6	76.8	12.8-107		%REC	5/8/2006 8:36:00 PM	
BTEX IN SOIL BY GC		SW8021B				SBH
Benzene	< 0.0722	0.072		mg/Kg-dry	5/4/2006 3:18:00 PM	
Ethylbenzene	< 0.451	0.451		mg/Kg-dry	5/4/2006 3:18:00 PM	
Toluene	< 0.451	0.451		mg/Kg-dry	5/4/2006 3:18:00 PM	
Xylenes, Total	< 1.35	1.35		mg/Kg-dry	5/4/2006 3:18:00 PM	
Surr: alpha, alpha, alpha-Trifluorotoluene	98.0	70-130		%REC	5/4/2006 3:18:00 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	82.0	30-148		%REC	5/10/2006 5:45:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	620	40.0		mg/Kg-dry	5/17/2006 4:00:00 PM	
PERCENT SOLIDS		SW9071B				MB
Percent Solids	55.4	0.0100		wt%	5/4/2006	
TFT (TPH-G SURROGATE)		SW8015B				SBH
Surr: alpha, alpha, alpha-trifluorotoluene	90.8	70-130		%REC	5/4/2006 3:18:00 PM	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	192	18.1		mg/Kg-dry	5/10/2006 5:45:00 PM	
TPH (Oil Range)	163	90.3		mg/Kg-dry	5/10/2006 5:45:00 PM	
TPH (GASOLINE RANGE ORGANICS)		SW8015B				SBH
TPH (Gasoline Range)	< 90.3	90.3		mg/Kg-dry	5/4/2006 3:18:00 PM	

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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-33A
Date Received: 28-Apr-06

Client Sample ID: SS-11 (107"-110")
Tag Number: Project #9077-041-0800
Collection Date: 4/27/2006 2:15:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	5.73	1.46		mg/Kg-dry	5/9/2006 12:38:12 PM	
Barium	358	1.46		mg/Kg-dry	5/9/2006 12:38:12 PM	
Calcium	5,150	73.2		mg/Kg-dry	5/8/2006 4:52:50 PM	
Chromium	16.6	1.46		mg/Kg-dry	5/9/2006 12:38:12 PM	
Lead	17.6	0.732		mg/Kg-dry	5/9/2006 12:38:12 PM	
Magnesium	6,570	73.2		mg/Kg-dry	5/8/2006 4:52:50 PM	
Potassium	2,770	73.2		mg/Kg-dry	5/8/2006 4:52:50 PM	
Sodium	1,020	146		mg/Kg-dry	5/8/2006 4:52:50 PM	
Strontium	63.2	1.46		mg/Kg-dry	5/9/2006 12:38:12 PM	
Zinc	77.1	1.46		mg/Kg-dry	5/9/2006 12:38:12 PM	
SEMIVOLATILE ORGANICS IN SOIL		SW8270C				CRM
1,2,4,5-Tetrachlorobenzene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
1,2,4-Trichlorobenzene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
1,2-Dichlorobenzene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
1,3-Dichlorobenzene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
1,3-Dinitrobenzene	< 0.463	0.463		mg/Kg-dry	5/8/2006 9:14:00 PM	
1,4-Dichlorobenzene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
2,4,5-Trichlorophenol	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
2,4,6-Trichlorophenol	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
2,4-Dichlorophenol	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
2,4-Dimethylphenol	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
2,4-Dinitrophenol	< 1.24	1.24		mg/Kg-dry	5/8/2006 9:14:00 PM	
2,4-Dinitrotoluene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
2,6-Dinitrotoluene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
2-Chloronaphthalene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
2-Chlorophenol	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
2-Methylnaphthalene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
2-Nitroaniline	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
3,3'-Dichlorobenzidine	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
3-Nitroaniline	< 1.24	1.24		mg/Kg-dry	5/8/2006 9:14:00 PM	
4-Chloroaniline	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
4-Nitroaniline	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	

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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-33A
Date Received: 28-Apr-06

Client Sample ID: SS-11 (107"-110")
Tag Number: Project #9077-041-0800
Collection Date: 4/27/2006 2:15:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
4-Nitrophenol	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Acenaphthene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Acenaphthylene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Aniline	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Anthracene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Benzo(a)anthracene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Benzo(a)pyrene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Benzo(b)fluoranthene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Benzo(k)fluoranthene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Bis(2-chloroethyl)ether	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Bis(2-chloroisopropyl)ether	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Bis(2-ethylhexyl)phthalate	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Butyl benzyl phthalate	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Chrysene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Di-n-octyl phthalate	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Dibenz(a,h)anthracene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Dibenzofuran	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Diethyl phthalate	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Dimethyl phthalate	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Fluoranthene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Fluorene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Hexachlorobenzene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Hexachlorobutadiene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Hexachlorocyclopentadiene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Hexachloroethane	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Indeno(1,2,3-cd)pyrene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Isophorone	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
N-Nitrosodi-n-propylamine	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
N-Nitrosodiphenylamine	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Naphthalene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Nitrobenzene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Pentachlorophenol	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Phenanthrene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Phenol	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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Lafayette LA 70598-1816
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(800) 737-2378

CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-33A
Date Received: 28-Apr-06

Client Sample ID: SS-11 (107"-110")
Tag Number: Project #9077-041-0800
Collection Date: 4/27/2006 2:15:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
Pyrene	< 0.611	0.611		mg/Kg-dry	5/8/2006 9:14:00 PM	
Surr: 2,4,6-Tribromophenol	85.4	17.1-142		%REC	5/8/2006 9:14:00 PM	
Surr: 2-Fluorobiphenyl	84.8	15.6-129		%REC	5/8/2006 9:14:00 PM	
Surr: 2-Fluorophenol	82.5	13.7-101		%REC	5/8/2006 9:14:00 PM	
Surr: 4-Terphenyl-d14	87.1	16.7-156		%REC	5/8/2006 9:14:00 PM	
Surr: Nitrobenzene-d5	82.8	15.5-115		%REC	5/8/2006 9:14:00 PM	
Surr: Phenol-d6	88.2	12.8-107		%REC	5/8/2006 9:14:00 PM	
BTEX IN SOIL BY GC		SW8021B				SBH
Benzene	< 0.0741	0.074		mg/Kg-dry	5/4/2006 6:04:00 PM	
Ethylbenzene	< 0.463	0.463		mg/Kg-dry	5/4/2006 6:04:00 PM	
Toluene	< 0.463	0.463		mg/Kg-dry	5/4/2006 6:04:00 PM	
Xylenes, Total	< 1.39	1.39		mg/Kg-dry	5/4/2006 6:04:00 PM	
Surr: alpha, alpha, alpha-Trifluorotoluene	91.4	70-130		%REC	5/4/2006 6:04:00 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	89.9	30-148		%REC	5/10/2006 5:52:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	530	40.0		mg/Kg-dry	5/17/2006 4:00:00 PM	
PERCENT SOLIDS		SW9071B				MB
Percent Solids	54.0	0.0100		wt%	5/4/2006	
TFT (TPH-G SURROGATE)		SW8015B				SBH
Surr: alpha, alpha, alpha-trifluorotoluene	85.0	70-130		%REC	5/4/2006 6:04:00 PM	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	51.8	18.5		mg/Kg-dry	5/10/2006 5:52:00 PM	
TPH (Oil Range)	< 92.6	92.6		mg/Kg-dry	5/10/2006 5:52:00 PM	
TPH (GASOLINE RANGE ORGANICS)		SW8015B				SBH
TPH (Gasoline Range)	< 92.6	92.6		mg/Kg-dry	5/4/2006 6:04:00 PM	

Qualifiers:

+DO - Diluted out due to dilution

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds MCL or Permit Limitation

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

MI+ - Matrix Interference

H - Exceeds Holding Time



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CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-34A
Date Received: 28-Apr-06

Client Sample ID: SS-12 (29"-73")
Tag Number: Project #9077-041-0800
Collection Date: 4/27/2006 4:20:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
METALS IN SOIL OR SLUDGE BY ICP						
						STS
						SW6010B
Arsenic	6.17	1.33		mg/Kg-dry	5/9/2006 12:42:51 PM	
Barium	2,030	1.33		mg/Kg-dry	5/9/2006 12:42:51 PM	
Calcium	5,830	66.7		mg/Kg-dry	5/8/2006 4:55:50 PM	
Chromium	12.7	1.33		mg/Kg-dry	5/9/2006 12:42:51 PM	
Lead	49.9	0.667		mg/Kg-dry	5/9/2006 12:42:51 PM	
Magnesium	2,740	66.7		mg/Kg-dry	5/8/2006 4:55:50 PM	
Potassium	1,240	66.7		mg/Kg-dry	5/8/2006 4:55:50 PM	
Sodium	1,010	133		mg/Kg-dry	5/8/2006 4:55:50 PM	
Strontium	72.9	1.33		mg/Kg-dry	5/9/2006 12:42:51 PM	
Zinc	73.5	1.33		mg/Kg-dry	5/9/2006 12:42:51 PM	
SEMIVOLATILE ORGANICS IN SOIL						
						CRM
						SW8270C
1,2,4,5-Tetrachlorobenzene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
1,2,4-Trichlorobenzene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
1,2-Dichlorobenzene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
1,3-Dichlorobenzene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
1,3-Dinitrobenzene	< 0.461	0.461		mg/Kg-dry	5/8/2006 9:52:00 PM	
1,4-Dichlorobenzene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
2,4,5-Trichlorophenol	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
2,4,6-Trichlorophenol	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
2,4-Dichlorophenol	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
2,4-Dimethylphenol	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
2,4-Dinitrophenol	< 1.24	1.24		mg/Kg-dry	5/8/2006 9:52:00 PM	
2,4-Dinitrotoluene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
2,6-Dinitrotoluene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
2-Chloronaphthalene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
2-Chlorophenol	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
2-Methylnaphthalene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
2-Nitroaniline	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
3,3'-Dichlorobenzidine	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
3-Nitroaniline	< 1.24	1.24		mg/Kg-dry	5/8/2006 9:52:00 PM	
4-Chloroaniline	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
4-Nitroaniline	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	

Qualifiers:

- +DO - Diluted out due to dilution
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time



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(800) 737-2378

CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-34A
Date Received: 28-Apr-06

Client Sample ID: SS-12 (29"-73")
Tag Number: Project #9077-041-0800
Collection Date: 4/27/2006 4:20:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
4-Nitrophenol	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Acenaphthene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Acenaphthylene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Aniline	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Anthracene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Benzo(a)anthracene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Benzo(a)pyrene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Benzo(b)fluoranthene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Benzo(k)fluoranthene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Bis(2-chloroethyl)ether	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Bis(2-chloroisopropyl)ether	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Bis(2-ethylhexyl)phthalate	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Butyl benzyl phthalate	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Chrysene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Di-n-octyl phthalate	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Dibenz(a,h)anthracene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Dibenzofuran	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Diethyl phthalate	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Dimethyl phthalate	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Fluoranthene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Fluorene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Hexachlorobenzene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Hexachlorobutadiene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Hexachlorocyclopentadiene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Hexachloroethane	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Indeno(1,2,3-cd)pyrene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Isophorone	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
N-Nitrosodi-n-propylamine	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
N-Nitrosodiphenylamine	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Naphthalene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Nitrobenzene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Pentachlorophenol	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Phenanthrene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Phenol	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	

Qualifiers:

+DO - Diluted out due to dilution

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds MCL or Permit Limitation

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

MI+ - Matrix Interference

H - Exceeds Holding Time



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(800) 737-2378

CLIENT: ICON Environmental Services
Lab Order: L06050004
Project: VPSB White Lake
Lab ID: L06050004-34A
Date Received: 28-Apr-06

Client Sample ID: SS-12 (29"-73")
Tag Number: Project #9077-041-0800
Collection Date: 4/27/2006 4:20:00 PM
Matrix: SOIL
Date Reported: 05-Jun-06

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
Pyrene	< 0.609	0.609		mg/Kg-dry	5/8/2006 9:52:00 PM	
Surr: 2,4,6-Tribromophenol	80.7	17.1-142		%REC	5/8/2006 9:52:00 PM	
Surr: 2-Fluorobiphenyl	77.5	15.6-129		%REC	5/8/2006 9:52:00 PM	
Surr: 2-Fluorophenol	66.4	13.7-101		%REC	5/8/2006 9:52:00 PM	
Surr: 4-Terphenyl-d14	83.4	16.7-156		%REC	5/8/2006 9:52:00 PM	
Surr: Nitrobenzene-d5	67.4	15.5-115		%REC	5/8/2006 9:52:00 PM	
Surr: Phenol-d6	72.9	12.8-107		%REC	5/8/2006 9:52:00 PM	
BTEX IN SOIL BY GC		SW8021B				SBH
Benzene	< 0.0738	0.074		mg/Kg-dry	5/4/2006 6:27:00 PM	
Ethylbenzene	< 0.461	0.461		mg/Kg-dry	5/4/2006 6:27:00 PM	
Toluene	< 0.461	0.461		mg/Kg-dry	5/4/2006 6:27:00 PM	
Xylenes, Total	< 1.38	1.38		mg/Kg-dry	5/4/2006 6:27:00 PM	
Surr: alpha, alpha, alpha-Trifluorotoluene	96.2	70-130		%REC	5/4/2006 6:27:00 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	94.9	30-148		%REC	5/11/2006 9:33:00 AM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	610	80.0		mg/Kg-dry	5/17/2006 4:00:00 PM	
PERCENT SOLIDS		SW9071B				MB
Percent Solids	54.2	0.0100		wt%	5/4/2006	
TFT (TPH-G SURROGATE)		SW8015B				SBH
Surr: alpha, alpha, alpha-trifluorotoluene	87.8	70-130		%REC	5/4/2006 6:27:00 PM	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	412	185		mg/Kg-dry	5/11/2006 9:33:00 AM	
TPH (Oil Range)	468	461		mg/Kg-dry	5/11/2006 9:33:00 AM	
TPH (GASOLINE RANGE ORGANICS)		SW8015B				SBH
TPH (Gasoline Range)	< 92.3	92.3		mg/Kg-dry	5/4/2006 6:27:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time

Date: 05-Jun-06

Sherry Laboratories/Louisiana

QC SUMMARY REPORT

Method Blank

CLIENT: ICON Environmental Services

Work Order: L06050004

Project: VPSB White Lake

Analysis Date 5/8/2006 3:58:44 PM

Prep Date

Sample ID: MBLK Batch ID: 5979 Test Code: SW6010B Units: mg/Kg

SeqNo: 657029

Client ID: Run ID: 12-OPTIMA_060508A %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
---------	--------	-----	-----------	-------------	------	----------	-----------	-------------	------	----------	------

Calcium	< 0.50	0.50									
Magnesium	< 0.50	0.50									
Potassium	< 0.50	0.50									
Sodium	< 1.0	1.0									

Sample ID: MBLK Batch ID: 5979 Test Code: SW6010B Units: mg/Kg Analysis Date 5/9/2006 11:02:37 AM Prep Date

Client ID: Run ID: 12-OPTIMA_060508D SeqNo: 659462

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.010	0.010									
Barium	< 0.010	0.010									
Chromium	< 0.010	0.010									
Lead	< 0.0050	0.0050									
Strontium	< 0.010	0.010									
Zinc	< 0.010	0.010									

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

QC SUMMARY REPORT

Method Blank

CLIENT: ICON Environmental Services
Work Order: L06050004
Project: VPSB White Lake

Sample ID MBLK **Batch ID:** R444603 **Test Code:** SW8270C **Units:** mg/Kg **Analysis Date:** 5/5/2006 2:47:00 PM **Prep Date:**
Client ID: **Run ID:** G5-GCSEMI_060505B **SeqNo:** 656809

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4,5-Tetrachlorobenzene	< 0.33	0.33									
1,2,4-Trichlorobenzene	< 0.33	0.33									
1,2-Dichlorobenzene	< 0.33	0.33									
1,3-Dichlorobenzene	< 0.33	0.33									
1,3-Dinitrobenzene	< 0.25	0.25									
1,4-Dichlorobenzene	< 0.33	0.33									
2,4,5-Trichlorophenol	< 0.33	0.33									
2,4,6-Trichlorophenol	< 0.33	0.33									
2,4-Dichlorophenol	< 0.33	0.33									
2,4-Dimethylphenol	< 0.67	0.67									
2,4-Dinitrophenol	< 0.33	0.33									
2,4-Dinitrotoluene	< 0.33	0.33									
2,6-Dinitrotoluene	< 0.33	0.33									
2-Chloronaphthalene	< 0.33	0.33									
2-Chlorophenol	< 0.33	0.33									
2-Methylnaphthalene	< 0.33	0.33									
2-Nitroaniline	< 0.33	0.33									
3-Nitroaniline	< 0.67	0.67									
4-Chloroaniline	< 0.33	0.33									
4-Nitroaniline	< 0.33	0.33									
4-Nitrophenol	< 0.33	0.33									
Acenaphthene	< 0.33	0.33									
Acenaphthylene	< 0.33	0.33									
Aniline	< 0.33	0.33									
Anthracene	< 0.33	0.33									
Benzo(a)anthracene	< 0.33	0.33									
Benzo(a)pyrene	< 0.33	0.33									
Benzo(b)fluoranthene	< 0.33	0.33									

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

QC SUMMARY REPORT

Method Blank

CLIENT: ICON Environmental Services

Work Order: L06050004

Project: VPSB White Lake

Chemical Name	Concentration	Limit	Recovery	Recovery Limit	Blank
Benzol(k)fluoranthene	< 0.33	0.33	0	74	142
Bis(2-chloroethyl)ether	< 0.33	0.33	0	78.2	129
Bis(2-chloroisopropyl)ether	< 0.33	0.33	0	74.2	101
Bis(2-ethylhexyl)phthalate	< 0.33	0.33	0	87.6	156
Butyl benzyl phthalate	< 0.33	0.33	0	73.5	115
Chrysene	< 0.33	0.33	0	81.2	107
Di-n-octyl phthalate	< 0.33	0.33	0	17.1	0
Dibenz(a,h)anthracene	< 0.33	0.33	0	15.6	0
Dibenzofuran	< 0.33	0.33	0	13.7	0
Diethyl phthalate	< 0.33	0.33	0	16.7	0
Dimethyl phthalate	< 0.33	0.33	0	15.5	0
Fluoranthene	< 0.33	0.33	0	12.8	0
Fluorene	< 0.33	0.33	0		
Hexachlorobenzene	< 0.33	0.33	0		
Hexachlorobutadiene	< 0.33	0.33	0		
Hexachlorocyclopentadiene	< 0.33	0.33	0		
Hexachloroethane	< 0.33	0.33	0		
Indeno(1,2,3-cd)pyrene	< 0.33	0.33	0		
Isophorone	< 0.33	0.33	0		
N-Nitrosodi-n-propylamine	< 0.33	0.33	0		
N-Nitrosodiphenylamine	< 0.33	0.33	0		
Naphthalene	< 0.33	0.33	0		
Nitrobenzene	< 0.33	0.33	0		
Pentachlorophenol	< 0.33	0.33	0		
Phenanthrene	< 0.33	0.33	0		
Phenol	< 0.33	0.33	0		
Pyrene	< 0.33	0.33	0		
Surr: 2,4,6-Tribromophenol	1.849	0.33	2.5	74	142
Surr: 2-Fluorobiphenyl	1.303	0.33	1.667	78.2	129
Surr: 2-Fluorophenol	1.854	0.33	2.5	74.2	101
Surr: 4-Terphenyl-d14	1.46	0.33	1.667	87.6	156
Surr: Nitrobenzene-d5	1.225	0.33	1.667	73.5	115
Surr: Phenol-d6	2.031	0.33	2.5	81.2	107

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

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

B - Analyte detected in the associated Method Blank

QC SUMMARY REPORT

Method Blank

CLIENT: ICON Environmental Services
Work Order: L06050004
Project: VPSB White Lake

Analysis Date 5/8/2006 1:35:00 PM Prep Date

Sample ID: MBLK	Batch ID: R44603	Test Code: SW8270C	Units: mg/Kg
Client ID:	Run ID: G5-GCSEMI_060505B	SeqNo: 657175	
Result	PQL	SPK value	SPK Ref Val
		%REC	LowLimit HighLimit RPD Ref Val
		%RPD	RPDLimit Qual

3,3'-Dichlorobenzidine	< 0.33	0.33	
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Sample ID: BLKMEOH	Batch ID: R44549	Test Code: SW8021B	Units: mg/Kg
Client ID:	Run ID: G3_060504A	SeqNo: 655800	
Result	PQL	SPK value	SPK Ref Val
		%REC	LowLimit HighLimit RPD Ref Val
		%RPD	RPDLimit Qual

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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Benzene	< 0.040	0.040									
Ethylbenzene	< 0.25	0.25									
Toluene	< 0.25	0.25									
Xylenes, Total	< 0.75	0.75									

Surr: alpha, alpha-Trifluorotol	2.28	0	2.5	0	91.2	70	130	0			
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Sample ID: BLK 5-2 S	Batch ID: 5963	Test Code: SW8015B	Units: %
Client ID:	Run ID: G2_060502A	SeqNo: 655037	
Result	PQL	SPK value	SPK Ref Val
		%REC	LowLimit HighLimit RPD Ref Val
		%RPD	RPDLimit Qual

Surr: n-Pentacosane	428.2	0	500	0	85.6	30	148	0			
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Sample ID: BLK 5-8 S	Batch ID: 5970	Test Code: SW8015B	Units: %
Client ID:	Run ID: G2_060508A	SeqNo: 657080	
Result	PQL	SPK value	SPK Ref Val
		%REC	LowLimit HighLimit RPD Ref Val
		%RPD	RPDLimit Qual

Surr: n-Pentacosane	445	0	500	0	89	30	148	0			
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Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

QC SUMMARY REPORT

Method Blank

CLIENT: ICON Environmental Services

Work Order: L06050004

Project: VPSB White Lake

Analysis Date 5/10/2006 5:31:00 PM **Prep Date** 5/10/2006

Sample ID BLK 5-10 S **Batch ID:** 5972 **Test Code:** SW8015B **Units:** % **SeqNo:** 659018

Client ID: **Run ID:** G2_060510A **PQL** **SPK value** **SPK Ref Val** **%REC** **LowLimit** **HighLimit** **RPD Ref Val** **%RPD** **RPDLimit** **Qual**

Analyte **Result** **PQL** **SPK value** **SPK Ref Val** **%REC** **LowLimit** **HighLimit** **RPD Ref Val** **%RPD** **RPDLimit** **Qual**

Surr: n-Pentacosane **467.5** **0** **500** **0** **93.5** **30** **148** **0** **Prep Date**

Sample ID MB-R44943 **Batch ID:** R44943 **Test Code:** M4500-CI B **Units:** mg/Kg-dry **Analysis Date** 5/17/2006 2:00:00 PM **Prep Date**

Client ID: **Run ID:** MAN1-WC_060517J **PQL** **SPK value** **SPK Ref Val** **%REC** **LowLimit** **HighLimit** **RPD Ref Val** **%RPD** **RPDLimit** **Qual**

Analyte **Result** **PQL** **SPK value** **SPK Ref Val** **%REC** **LowLimit** **HighLimit** **RPD Ref Val** **%RPD** **RPDLimit** **Qual**

Chlorides **< 4.0** **4.0** **Analysis Date** 5/17/2006 4:00:00 PM **Prep Date**

Sample ID MB-R44945 **Batch ID:** R44945 **Test Code:** M4500-CI B **Units:** mg/Kg-dry **Analysis Date** 5/17/2006 4:00:00 PM **Prep Date**

Client ID: **Run ID:** MAN1-WC_060517K **PQL** **SPK value** **SPK Ref Val** **%REC** **LowLimit** **HighLimit** **RPD Ref Val** **%RPD** **RPDLimit** **Qual**

Analyte **Result** **PQL** **SPK value** **SPK Ref Val** **%REC** **LowLimit** **HighLimit** **RPD Ref Val** **%RPD** **RPDLimit** **Qual**

Chlorides **< 4.0** **4.0** **Analysis Date** 5/4/2006 11:22:00 AM **Prep Date**

Sample ID BLKMEOH **Batch ID:** R44553 **Test Code:** SW8015B **Units:** % **SeqNo:** 655901

Client ID: **Run ID:** G3_060504B **PQL** **SPK value** **SPK Ref Val** **%REC** **LowLimit** **HighLimit** **RPD Ref Val** **%RPD** **RPDLimit** **Qual**

Analyte **Result** **PQL** **SPK value** **SPK Ref Val** **%REC** **LowLimit** **HighLimit** **RPD Ref Val** **%RPD** **RPDLimit** **Qual**

Surr: alpha, alpha, alpha-trifluorotoluene **0.042** **0** **0.05** **0** **84** **70** **130** **0** **Prep Date** 5/2/2006

Sample ID BLK 5-2 S **Batch ID:** 5963 **Test Code:** SW8015B **Units:** mg/Kg **Analysis Date** 5/2/2006 6:26:00 PM **Prep Date** 5/2/2006

Client ID: **Run ID:** G2_060502A **PQL** **SPK value** **SPK Ref Val** **%REC** **LowLimit** **HighLimit** **RPD Ref Val** **%RPD** **RPDLimit** **Qual**

Analyte **Result** **PQL** **SPK value** **SPK Ref Val** **%REC** **LowLimit** **HighLimit** **RPD Ref Val** **%RPD** **RPDLimit** **Qual**

TPH (Diesel Range) **< 10** **10**

TPH (Oil Range) **< 50** **50**

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

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

B - Analyte detected in the associated Method Blank

QC SUMMARY REPORT

Method Blank

CLIENT: ICON Environmental Services

Work Order: L06050004

Project: VPSB White Lake

Analysis Date 5/8/2006 7:31:00 PM Prep Date 5/8/2006

Sample ID: BLK 5-8 S **Batch ID:** 5970 **Test Code:** SW8015B **Units:** mg/Kg **SeqNo:** 657054

Client ID: **Run ID:** G2_060508A **PQL:** **SPK value:** **SPK Ref Val:** **%REC:** **LowLimit:** **HighLimit:** **RPD Ref Val:** **%RPD:** **RPDLimit:** **Qual:**

Analyte: **Result:** **PQL:** **SPK value:** **SPK Ref Val:** **%REC:** **LowLimit:** **HighLimit:** **RPD Ref Val:** **%RPD:** **RPDLimit:** **Qual:**

TPH (Diesel Range): **TPH (Oil Range):** **Sample ID:** BLK 5-10 S **Batch ID:** 5972 **Test Code:** SW8015B **Units:** mg/Kg **Analysis Date:** 5/10/2006 5:31:00 PM **Prep Date:** 5/10/2006

Client ID: **Run ID:** G2_060510A **PQL:** **SPK value:** **SPK Ref Val:** **%REC:** **LowLimit:** **HighLimit:** **RPD Ref Val:** **%RPD:** **RPDLimit:** **Qual:**

Analyte: **Result:** **PQL:** **SPK value:** **SPK Ref Val:** **%REC:** **LowLimit:** **HighLimit:** **RPD Ref Val:** **%RPD:** **RPDLimit:** **Qual:**

TPH (Diesel Range): **TPH (Oil Range):** **Sample ID:** BLKMEOH **Batch ID:** R44553 **Test Code:** SW8015B **Units:** mg/Kg **Analysis Date:** 5/4/2006 11:22:00 AM **Prep Date:**

Client ID: **Run ID:** G3_060504B **PQL:** **SPK value:** **SPK Ref Val:** **%REC:** **LowLimit:** **HighLimit:** **RPD Ref Val:** **%RPD:** **RPDLimit:** **Qual:**

Analyte: **Result:** **PQL:** **SPK value:** **SPK Ref Val:** **%REC:** **LowLimit:** **HighLimit:** **RPD Ref Val:** **%RPD:** **RPDLimit:** **Qual:**

TPH (Gasoline Range): **TPH (Diesel Range):** **TPH (Oil Range):** **Sample ID:** **Batch ID:** **Test Code:** **Units:** **Analysis Date:** **Prep Date:**

Qualifiers: NID - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Sherry Laboratories/Louisiana

QC SUMMARY REPORT

Sample Matrix Spike

CLIENT: ICON Environmental Services
 Work Order: L06050004
 Project: VPSB White Lake
 Analysis Date 5/8/2006 5:01:50 PM
 Prep Date 5/5/2006

Sample ID	Batch ID	Test Code	Units	SeqNo	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Sample ID L06040987-01AM	Batch ID: 5979	SW6010B	mg/Kg	657044							
Client ID:		Run ID: 12-OPTIMA_060508A									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	216	44	87.4	178.3	43.1	75	125	0			S
Magnesium	682.1	44	87.4	378.7	347	75	125	0			S
Potassium	680.8	44	437	216.7	106	75	125	0			S
Sodium	< 87	87	87.4	0	0	75	125	0			

Sample ID	Batch ID	Test Code	Units	SeqNo	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Sample ID L06040987-01AM	Batch ID: 5979	SW6010B	mg/Kg	657045							
Client ID:		Run ID: 12-OPTIMA_060508A									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	268	44	87.39	178.3	103	75	125	216	21.5	20	R
Magnesium	732	44	87.39	378.7	404	75	125	682.1	7.05	20	S
Potassium	711.9	44	436.9	216.7	113	75	125	680.8	4.46	20	S
Sodium	< 87	87	87.39	0	0	75	125	0	0	20	

Sample ID	Batch ID	Test Code	Units	SeqNo	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Sample ID L06040987-01AM	Batch ID: 5979	SW6010B	mg/Kg	659466							
Client ID:		Run ID: 12-OPTIMA_060508D									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	73.96	0.87	87.4	0.4266	84.1	75	125	0			
Barium	164.7	0.87	87.4	91.26	84	75	125	0			
Chromium	85.34	0.87	87.4	7.134	89.5	75	125	0			
Lead	86.31	0.44	87.4	9.182	88.2	75	125	0			
Strontium	74.17	0.87	87.4	1.91	82.7	75	125	0			S
Zinc	1062	0.87	87.4	758.2	348	75	125	0			

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

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

CLIENT: ICON Environmental Services
Work Order: L06050004
Project: VPSB White Lake

Sample ID: L06040987-01AAM **Batch ID:** 5979 **Test Code:** SW6010B **Units:** mg/Kg
Run ID: 12-OPTIMA_060508D **SeqNo:** 659467 **Analysis Date:** 5/9/2006 11:38:55 AM **Prep Date:** 5/5/2006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	80.15	0.87	87.39	0.4266	91.2	75	125	73.96	8.04	20	
Barium	179.2	0.87	87.39	91.26	101	75	125	164.7	8.43	20	
Chromium	90.51	0.87	87.39	7.134	95.4	75	125	85.34	5.88	20	
Lead	83.81	0.44	87.39	9.182	85.4	75	125	86.31	2.94	20	
Strontium	78.29	0.87	87.39	1.91	87.4	75	125	74.17	5.41	20	S
Zinc	899.9	0.87	87.39	758.2	162	75	125	1062	16.6	20	

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

CLIENT: ICON Environmental Services

Work Order: L06050004

Project: VP SB White Lake

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: L06050004-24AM Batch ID: R44603 Test Code: SW8270C Units: mg/Kg-dry Analysis Date: 5/8/2006 10:30:00 PM Prep Date:
 Client ID: SS-03 (54"-61") Run ID: G5-GCSEMI_060505B SeqNo: 657176

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	6.703	0.88	8.928	0	75.1	44	142	0			
1,2-Dichlorobenzene	6.748	0.88	8.928	0	75.6	32	129	0			
1,3-Dichlorobenzene	6.191	0.88	8.928	0	69.4	5	172	0			
1,4-Dichlorobenzene	6.247	0.88	8.928	0	70	20	124	0			
2,4,6-Trichlorophenol	7.575	0.88	8.928	0	84.9	37	144	0			
2,4-Dichlorophenol	6.988	0.88	8.928	0	78.3	39	135	0			
2,4-Dimethylphenol	7.01	0.88	8.928	0	78.5	32	119	0			
2,4-Dinitrophenol	5.304	1.8	8.928	0	59.4	5	191	0			
2,4-Dinitrotoluene	8.158	0.88	8.928	0	91.4	39	139	0			
2,6-Dinitrotoluene	7.132	0.88	8.928	0	79.9	50	158	0			
2-Chloronaphthalene	7.101	0.88	8.928	0	79.5	60	118	0			
2-Methylnaphthalene	6.457	0.88	8.928	0	72.3	23	134	0			
3,3'-Dichlorobenzidine	6.871	0.88	8.928	0	77	22.8	123	0			
4-Nitrophenol	5.992	0.88	8.928	0	67.1	5	262	0			
Acenaphthene	7.002	0.88	8.928	0	78.4	5	132	0			
Acenaphthylene	7.086	0.88	8.928	0	79.4	43.8	98.7	0			
Anthracene	7.242	0.88	8.928	0	81.1	55.7	106	0			
Benzofluoranthene	7.443	0.88	8.928	0	83.4	42.5	125	0			
Benzofluoranthene	7.231	0.88	8.928	0	81	47.7	107	0			
Benzofluoranthene	6.901	0.88	8.928	0	77.3	42	112	0			
Benzofluoranthene	6.702	0.88	8.928	0	75.1	47	103	0			
Benzofluoranthene	6.97	0.88	8.928	0	78.1	49.6	93.8	0			
Bis(2-chloroethyl)ether	7.942	0.88	8.928	0	89	12	158	0			
Bis(2-chloroisopropyl)ether	6.837	0.88	8.928	0	76.6	36	166	0			
Bis(2-ethylhexyl)phthalate	8.157	0.88	8.928	0	91.4	8	158	0			
Butyl benzyl phthalate	7.882	0.88	8.928	0	88.3	5	152	0			
Chrysene	7.461	0.88	8.928	0	83.6	54	111	0			
Di-n-octyl phthalate	7.087	0.88	8.928	0	79.4	4	146	0			

Qualifiers: NID - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

QC SUMMARY REPORT

Sample Matrix Spike

CLIENT: ICON Environmental Services

Work Order: L06050004

Project: VPSB White Lake

Compound	Concentration	Recovery	Limit	Result	Pass/Fail			
Dibenz(a,h)anthracene	7.364	0.88	8.928	0	82.5	51.1	99.9	0
Diethyl phthalate	6.695	0.88	8.928	0	75	5	114	0
Dimethyl phthalate	6.924	0.88	8.928	0	77.6	5	112	0
Fluoranthene	7.062	0.88	8.928	0	79.1	52.4	102	0
Fluorene	6.965	0.88	8.928	0	78	40.4	101	0
Hexachlorobenzene	7.55	0.88	8.928	0	84.6	5	152	0
Hexachlorobutadiene	7.608	0.88	8.928	0	85.2	24	116	0
Hexachlorocyclopentadiene	1.533	0.88	8.928	0	17.2	30	170	0
Hexachloroethane	6.015	0.88	8.928	0	67.4	40	113	0
Indeno(1,2,3-cd)pyrene	7.059	0.88	8.928	0	79.1	42.5	103	0
Isophorone	5.832	0.88	8.928	0	65.3	21	196	0
N-Nitrosodi-n-propylamine	7.351	0.88	8.928	0	82.3	5	230	0
N-Nitrosodiphenylamine	6.107	0.88	8.928	0	68.4	30	130	0
Naphthalene	6.868	0.88	8.928	0	76.9	28.1	98.3	0
Nitrobenzene	6.661	0.88	8.928	0	74.6	35	180	0
Pentachlorophenol	4.825	0.88	8.928	0	54	14	176	0
Phenanthrene	7.483	0.88	8.928	0	83.8	45	110	0
Phenol	6.641	0.88	8.928	0	74.4	5	112	0
Pyrene	7.111	0.88	8.928	0	79.7	31.1	120	0
Surr: 2,4,6-Tribromophenol	5.605	0.88	6.702	0	83.6	17.1	142	0
Surr: 2-Fluorobiphenyl	3.603	0.88	4.469	0	80.6	15.6	129	0
Surr: 2-Fluorophenol	5.656	0.88	6.702	0	84.4	13.7	101	0
Surr: 4-Terphenyl-d14	3.998	0.88	4.469	0	89.5	16.7	156	0
Surr: Nitrobenzene-d5	3.537	0.88	4.469	0	79.1	15.5	115	0
Surr: Phenol-d6	5.619	0.88	6.702	0	83.8	12.8	107	0

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

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

B - Analyte detected in the associated Method Blank

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

CLIENT: ICON Environmental Services

Work Order: L06050004
VPSB White Lake

Project: VPSB White Lake

Sample ID: L06050004-24AM **Batch ID:** R44603 **Test Code:** SW8270C **Units:** mg/Kg-dry **Analysis Date:** 5/8/2006 11:08:00 PM **Prep Date:**

Client ID: SS-03 (54"-61") **Run ID:** G5-GCSEMI_060505B **SeqNo:** 657177

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	6.839	0.88	8.928	0	76.6	44	142	6.703	2.01	40	40
1,2-Dichlorobenzene	6.855	0.88	8.928	0	76.8	32	129	6.748	1.57	40	40
1,3-Dichlorobenzene	6.163	0.88	8.928	0	69	5	172	6.191	0.46	40	40
1,4-Dichlorobenzene	6.319	0.88	8.928	0	70.8	20	124	6.247	1.14	40	40
2,4,6-Trichlorophenol	7.625	0.88	8.928	0	85.4	37	144	7.575	0.66	40	40
2,4-Dichlorophenol	7.287	0.88	8.928	0	81.6	39	135	6.988	4.19	40	40
2,4-Dimethylphenol	7.3	0.88	8.928	0	81.8	32	119	7.01	4.06	40	40
2,4-Dinitrophenol	5.346	1.8	8.928	0	59.9	5	191	5.304	0.785	40	40
2,4-Dinitrophenol	8.423	0.88	8.928	0	94.3	39	139	8.158	3.19	40	40
2,4-Dinitrotoluene	7.271	0.88	8.928	0	81.4	50	158	7.132	1.92	40	40
2,6-Dinitrotoluene	7.132	0.88	8.928	0	79.9	60	118	7.101	0.448	40	40
2-Chloronaphthalene	6.595	0.88	8.928	0	73.9	23	134	6.457	2.12	40	40
2-Chlorophenol	6.982	0.88	8.928	0	78.2	22.8	123	6.871	1.59	40	40
2-Methylnaphthalene	6.866	0.88	8.928	0	76.9	5	262	5.992	13.6	40	40
3,3'-Dichlorobenzidine	7.803	0.88	8.928	0	87.4	5	132	7.002	10.8	40	40
4-Nitrophenol	7.253	0.88	8.928	0	81.2	43.8	98.7	7.086	2.34	40	40
Acenaphthene	7.333	0.88	8.928	0	82.1	55.7	106	7.242	1.25	40	40
Acenaphthylene	7.354	0.88	8.928	0	82.4	42.5	125	7.443	1.19	40	40
Anthracene	7.275	0.88	8.928	0	81.5	47.7	107	7.231	0.606	40	40
Benzo(a)anthracene	7.039	0.88	8.928	0	78.8	42	112	6.901	1.99	40	40
Benzo(a)pyrene	6.888	0.88	8.928	0	77.2	47	103	6.702	2.74	40	40
Benzo(b)fluoranthene	6.982	0.88	8.928	0	78.2	49.6	93.8	6.97	0.173	40	40
Benzo(k)fluoranthene	7.313	0.88	8.928	0	81.9	12	158	7.942	8.25	40	40
Bis(2-chloroethyl)ether	6.764	0.88	8.928	0	75.8	36	166	6.837	1.07	40	40
Bis(2-chloroisopropyl)ether	8.12	0.88	8.928	0	91	8	158	8.157	0.448	40	40
Bis(2-ethylhexyl)phthalate	7.996	0.88	8.928	0	89.6	5	152	7.882	1.44	40	40
Buyl benzyl phthalate	7.42	0.88	8.928	0	83.1	54	111	7.461	0.551	40	40
Chrysene	7.429	0.88	8.928	0	83.2	4	146	7.087	4.72	40	40
Di-n-octyl phthalate											

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

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

CLIENT: ICON Environmental Services
 Work Order: L06050004
 Project: VPSB White Lake

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenz(a,h)anthracene	7.236	0.88	8.928	0	81.1	51.1	99.9	7.364	1.75	40	
Diethyl phthalate	6.818	0.88	8.928	0	76.4	5	114	6.695	1.83	40	
Dimethyl phthalate	7.013	0.88	8.928	0	78.6	5	112	6.924	1.27	40	
Fluoranthene	7.434	0.88	8.928	0	83.3	52.4	102	7.062	5.14	40	
Fluorene	7.09	0.88	8.928	0	79.4	40.4	101	6.965	1.77	40	
Hexachlorobenzene	7.375	0.88	8.928	0	82.6	5	152	7.55	2.35	40	
Hexachlorobutadiene	7.695	0.88	8.928	0	86.2	24	116	7.608	1.14	40	S
Hexachlorocyclopentadiene	2.203	0.88	8.928	0	24.7	30	170	1.533	35.9	40	
Hexachloroethane	5.743	0.88	8.928	0	64.3	40	113	6.015	4.61	40	
Indeno(1,2,3-cd)pyrene	7.056	0.88	8.928	0	79	42.5	103	7.059	0.0418	40	
Isophorone	5.899	0.88	8.928	0	66.1	21	196	5.832	1.13	40	
N-Nitrosodi-n-propylamine	7.554	0.88	8.928	0	84.6	5	230	7.351	2.73	40	
N-Nitrosodiphenylamine	6.287	0.88	8.928	0	70.4	30	130	6.107	2.89	40	
N-Nitrosodiphenylamine	6.932	0.88	8.928	0	77.6	28.1	98.3	6.868	0.925	40	
Naphthalene	6.59	0.88	8.928	0	73.8	35	180	6.661	1.07	40	
Nitrobenzene	6.109	0.88	8.928	0	68.4	14	176	4.825	23.5	40	
Pentachlorophenol	7.339	0.88	8.928	0	82.2	45	110	7.483	1.95	40	
Phenanthrene	6.756	0.88	8.928	0	75.7	5	112	6.641	1.71	40	
Phenol	7.366	0.88	8.928	0	82.5	31.1	120	7.111	3.52	40	
Pyrene	5.653	0.88	6.702	0	84.3	17.1	142	5.605	0.853	40	
Surr: 2,4,6-Tribromophenol	3.627	0.88	4.469	0	81.2	15.6	129	3.603	0.667	40	
Surr: 2-Fluorobiphenyl	5.677	0.88	6.702	0	84.7	13.7	101	5.656	0.369	40	
Surr: 2-Fluorophenol	3.938	0.88	4.469	0	88.1	16.7	156	3.998	1.51	40	
Surr: 4-Terphenyl-d14	3.571	0.88	4.469	0	79.9	15.5	115	3.537	0.943	40	
Surr: Nitrobenzene-d5	5.69	0.88	6.702	0	84.9	12.8	107	5.619	1.26	40	
Surr: Phenol-d6											

Sample ID: L06050004-02AM Batch ID: 5963 Test Code: SW8015B Units: % Analysis Date: 5/2/2006 5:38:00 PM Prep Date: 5/2/2006
 Client ID: SS-01 (3,6:4,0') Run ID: G2_060502A SeqNo: 655031

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

CLIENT: ICON Environmental Services
 Work Order: L06050004
 Project: VP SB White Lake

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Sample ID	Batch ID	Test Code	Units	Analysis Date	Prep Date
L06050004-02AM	5963	SW8015B	%	5/2/2006 5:45:00 PM	5/2/2006
Client ID: SS-01 (3.6'-4.0')		Run ID: G2_060502A		SeqNo: 655032	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Surr: n-Pentacosane	420.5	0	500	0	84.1
				LowLimit	HighLimit
				30	148
				RPD Ref Val	0
				%RPD	RPDLimit
					Qual
Sample ID L06050004-02AM	Batch ID: 5963	Test Code: SW8015B	Units: %	Analysis Date 5/2/2006 5:45:00 PM	Prep Date 5/2/2006
Client ID: SS-01 (3.6'-4.0')		Run ID: G2_060502A		SeqNo: 655035	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Surr: n-Pentacosane	432.4	0	500	0	86.5
				LowLimit	HighLimit
				30	148
				RPD Ref Val	0
				%RPD	RPDLimit
					Qual
Sample ID L06050004-02AM	Batch ID: 5963	Test Code: SW8015B	Units: %	Analysis Date 5/2/2006 6:13:00 PM	Prep Date 5/2/2006
Client ID: SS-01 (3.6'-4.0')		Run ID: G2_060502A		SeqNo: 655036	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Surr: n-Pentacosane	432.2	0	500	0	86.4
				LowLimit	HighLimit
				30	148
				RPD Ref Val	0
				%RPD	RPDLimit
					Qual
Sample ID L06040980-21AM	Batch ID: 5970	Test Code: SW8015B	Units: %	Analysis Date 5/8/2006 6:42:00 PM	Prep Date 5/8/2006
Client ID:		Run ID: G2_060508A		SeqNo: 657074	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Surr: n-Pentacosane	491.5	0	500	0	98.3
				LowLimit	HighLimit
				30	148
				RPD Ref Val	0
				%RPD	RPDLimit
					Qual
Sample ID L06040980-21AM	Batch ID: 5970	Test Code: SW8015B	Units: %	Analysis Date 5/8/2006 6:49:00 PM	Prep Date 5/8/2006
Client ID:		Run ID: G2_060508A		SeqNo: 657075	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC
Surr: n-Pentacosane	490.8	0	500	0	98.2
				LowLimit	HighLimit
				30	148
				RPD Ref Val	0
				%RPD	RPDLimit
					Qual

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

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

B - Analyte detected in the associated Method Blank

CLIENT: ICON Environmental Services

Work Order: L06050004

Project: VPSB White Lake

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID L06040980-21AM Batch ID: 5970 Test Code: SW8015B Units: % Analysis Date 5/8/2006 7:10:00 PM Prep Date 5/8/2006

Client ID: Run ID: G2_060508A PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Analyte: Surr: n-Pentacosane 456.9 0 500 0 91.4 30 148 0

Sample ID L06040980-21AM Batch ID: 5970 Test Code: SW8015B Units: % Analysis Date 5/8/2006 7:17:00 PM Prep Date 5/8/2006

Client ID: Run ID: G2_060508A PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Analyte: Surr: n-Pentacosane 495.1 0 500 0 99 30 148 0

Sample ID L06050262-01AM Batch ID: 5972 Test Code: SW8015B Units: % Analysis Date 5/10/2006 4:41:00 PM Prep Date 5/10/2006

Client ID: Run ID: G2_060510A PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Analyte: Surr: n-Pentacosane 463.6 0 500 0 92.7 30 148 0

Sample ID L06050262-01AM Batch ID: 5972 Test Code: SW8015B Units: % Analysis Date 5/10/2006 4:48:00 PM Prep Date 5/10/2006

Client ID: Run ID: G2_060510A PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Analyte: Surr: n-Pentacosane 440.3 0 500 0 88.1 30 148 0

Sample ID L06050262-01AM Batch ID: 5972 Test Code: SW8015B Units: % Analysis Date 5/10/2006 5:10:00 PM Prep Date 5/10/2006

Client ID: Run ID: G2_060510A PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Analyte: Surr: n-Pentacosane 384.6 0 500 0 76.9 30 148 0

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

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

CLIENT: ICON Environmental Services
 Work Order: L06050004
 Project: VPBSB White Lake

Analysis Date 5/10/2006 5:17:00 PM Prep Date 5/10/2006
 SeqNo: 659017

Sample ID L06050262-01AM Batch ID: 5972 Test Code: SW8015B Units: %
 Run ID: G2_060510A %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Client ID: Result PQL SPK value SPK Ref Val 0 85.7 30 148 0

Analyte n-Pentacosane 428.3 0 500 0 85.7 30 148 0
 Surr: n-Pentacosane

Sample ID L06050004-01AM Batch ID: R44943 Test Code: M4500-CI B Units: mg/Kg-dry
 Run ID: MAN1-WC_060517J SeqNo: 663713

Client ID: SS-01 (1.5-3.6') Result PQL SPK value SPK Ref Val 1950 89.3 80 120 0
 Analyte Chlorides 6650 400 5263 1950 89.3 80 120 0
 Analysis Date 5/17/2006 2:00:00 PM Prep Date

Sample ID L06050004-01AM Batch ID: R44943 Test Code: M4500-CI B Units: mg/Kg-dry
 Run ID: MAN1-WC_060517J SeqNo: 663714

Client ID: SS-01 (1.5-3.6') Result PQL SPK value SPK Ref Val 1950 96.9 80 120 6650
 Analyte Chlorides 7050 400 5263 1950 96.9 80 120 6650
 Analysis Date 5/17/2006 4:00:00 PM Prep Date

Sample ID L06050004-20AM Batch ID: R44945 Test Code: M4500-CI B Units: mg/Kg-dry
 Run ID: MAN1-WC_060517K SeqNo: 663747

Client ID: SS-14 (11"-20") Result PQL SPK value SPK Ref Val 2250 91.2 80 120 0
 Analyte Chlorides 7050 400 5263 2250 91.2 80 120 0
 Analysis Date 5/17/2006 4:00:00 PM Prep Date

Sample ID L06050004-20AM Batch ID: R44945 Test Code: M4500-CI B Units: mg/Kg-dry
 Run ID: MAN1-WC_060517K SeqNo: 663748

Client ID: SS-14 (11"-20") Result PQL SPK value SPK Ref Val 2250 97.9 80 120 7050
 Analyte Chlorides 7400 400 5263 2250 97.9 80 120 7050
 Analysis Date 5/17/2006 4:00:00 PM Prep Date

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

QC SUMMARY REPORT

Sample Matrix Spike

CLIENT: ICON Environmental Services

Work Order: L06050004
Project: VPSB White Lake

Analysis Date 5/2/2006 5:38:00 PM
Prep Date 5/2/2006

Sample ID L06050004-02AM Batch ID: 5963 Test Code: SW8015B Units: mg/Kg-dry SeqNo: 654983 %RPD RPDLimit Qual

Client ID: SS-01 (3.6'-4.0') Run ID: G2_060502A %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Analyte Result PQL SPK value SPK Ref Val 46.36 1.91 43.2 135 0

TPH (Diesel Range) 382.1 28 Test Code: SW8015B Units: mg/Kg-dry Analysis Date 5/2/2006 5:45:00 PM Prep Date 5/2/2006

Sample ID L06050004-02AM Batch ID: 5963 Test Code: SW8015B Units: mg/Kg-dry SeqNo: 654984 %RPD RPDLimit Qual

Client ID: SS-01 (3.6'-4.0') Run ID: G2_060502A %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Analyte Result PQL SPK value SPK Ref Val 46.36 1.33 43.2 135 382.1 30.7 40 S

TPH (Diesel Range) 280.3 28 Test Code: SW8015B Units: mg/Kg-dry Analysis Date 5/2/2006 6:06:00 PM Prep Date 5/2/2006

Sample ID L06050004-02AM Batch ID: 5963 Test Code: G2_060502A SeqNo: 654987 %RPD RPDLimit Qual

Client ID: SS-01 (3.6'-4.0') Run ID: G2_060502A %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Analyte Result PQL SPK value SPK Ref Val 0 1.63 43.2 135 0

TPH (Oil Range) 286.6 140 Test Code: SW8015B Units: mg/Kg-dry Analysis Date 5/2/2006 6:13:00 PM Prep Date 5/2/2006

Sample ID L06050004-02AM Batch ID: 5963 Test Code: G2_060502A SeqNo: 654988 %RPD RPDLimit Qual

Client ID: SS-01 (3.6'-4.0') Run ID: G2_060502A %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Analyte Result PQL SPK value SPK Ref Val 0 1.67 43.2 135 286.6 2.3 40 S

TPH (Oil Range) 293.3 140 Test Code: SW8015B Units: mg/Kg Analysis Date 5/8/2006 6:42:00 PM Prep Date 5/8/2006

Sample ID L06040980-21AM Batch ID: 5970 Test Code: G2_060508A SeqNo: 657048 %RPD RPDLimit Qual

Client ID: Run ID: G2_060508A %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Analyte Result PQL SPK value SPK Ref Val 10.44 81.5 43.2 135 0

TPH (Diesel Range) 91.89 10 Test Code: SW8015B Units: mg/Kg Analysis Date 5/8/2006 6:42:00 PM Prep Date 5/8/2006

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

Sherry Laboratories/Louisiana

QC SUMMARY REPORT

Laboratory Control Spike - generic

CLIENT: ICON Environmental Services
 Work Order: L06050004
 Project: VPSB White Lake

Analysis Date 5/8/2006 4:01:41 PM
 SeqNo: 657030
 Prep Date

Sample ID	LCS	Batch ID: 5979	Test Code: SW6010B	Units: mg/Kg	SeqNo: 657030	Analysis Date 5/8/2006 4:01:41 PM	Prep Date				
Client ID:	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	46.71	0.50	50	0	93.4	75	125	0			
Magnesium	47.05	0.50	50	0	94.1	75	125	0			
Potassium	46.85	0.50	50	0	93.7	75	125	0			
Sodium	46.82	1.0	50	0	93.6	75	125	0			

Sample ID	LCSD	Batch ID: 5979	Test Code: SW6010B	Units: mg/Kg	SeqNo: 657031	Analysis Date 5/8/2006 4:13:43 PM	Prep Date				
Client ID:	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	46.64	0.50	50	0	93.3	75	125	46.71	0.163	20	
Magnesium	47.49	0.50	50	0	95	75	125	47.05	0.932	20	
Potassium	46.61	0.50	50	0	93.2	75	125	46.85	0.509	20	
Sodium	47.09	1.0	50	0	94.2	75	125	46.82	0.565	20	

Sample ID	LCS	Batch ID: 5979	Test Code: SW6010B	Units: mg/Kg	SeqNo: 659463	Analysis Date 5/9/2006 11:06:52 AM	Prep Date				
Client ID:	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5038	0.010	0.5	0	101	75	125	0			
Barium	0.5108	0.010	0.5	0	102	75	125	0			
Chromium	0.5132	0.010	0.5	0	103	75	125	0			
Lead	0.5009	0.0050	0.5	0	100	75	125	0			
Strontium	0.4992	0.010	0.5	0	99.8	75	125	0			
Zinc	0.5096	0.010	0.5	0	102	75	125	0			

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

CLIENT: ICON Environmental Services

Work Order: L06050004

Project: VPSB White Lake

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Analysis Date: 5/9/2006 11:25:12 AM Prep Date: _____

SeqNo: 659464

Sample ID	LCSD	Batch ID: 5979	Test Code: SW6010B	Units: mg/Kg	Run ID: 12-OPTIMA_060508D	SeqNo:	Analysis Date	Prep Date			
Client ID:											
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5065	0.010	0.5	0	101	75	125	0.5038	0.537	20	
Barium	0.5122	0.010	0.5	0	102	75	125	0.5108	0.281	20	
Chromium	0.5155	0.010	0.5	0	103	75	125	0.5132	0.446	20	
Lead	0.5051	0.0050	0.5	0	101	75	125	0.5009	0.827	20	
Strontium	0.497	0.010	0.5	0	99.4	75	125	0.4992	0.428	20	
Zinc	0.5086	0.010	0.5	0	102	75	125	0.5096	0.185	20	

Qualifiers:

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

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

B - Analyte detected in the associated Method Blank

CLIENT: ICON Environmental Services
 Work Order: L06050004
 Project: VPSB White Lake

QC SUMMARY REPORT
 Laboratory Control Spike Duplicate

Sample ID: LCSD Batch ID: R44603 Test Code: SW8270C Units: mg/Kg Analysis Date: 5/5/2006 4:04:00 PM Prep Date:
 Client ID: Run ID: G5-GCSEMI_060505B SeqNo: 656817

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2.571	0.33	3.33	0	77.2	44	142	2.446	4.99	40	
1,2-Dichlorobenzene	2.66	0.33	3.33	0	79.9	32	129	2.51	5.79	40	
1,3-Dichlorobenzene	2.388	0.33	3.33	0	71.7	5	172	2.267	5.2	40	
1,4-Dichlorobenzene	2.402	0.33	3.33	0	72.1	20	124	2.289	4.81	40	
2,4,6-Trichlorophenol	2.695	0.33	3.33	0	80.9	37	144	2.526	6.47	40	
2,4-Dichlorophenol	2.706	0.33	3.33	0	81.3	39	135	2.605	3.82	40	
2,4-Dimethylphenol	2.717	0.33	3.33	0	81.6	32	119	2.533	7.01	40	
2,4-Dinitrophenol	1.758	0.67	3.33	0	52.8	5	191	2.064	16	40	
2,4-Dinitrotoluene	3.251	0.33	3.33	0	97.6	39	139	2.965	9.2	40	
2,6-Dinitrotoluene	2.666	0.33	3.33	0	80	50	158	2.518	5.67	40	
2-Chloronaphthalene	2.657	0.33	3.33	0	79.8	60	118	2.487	6.61	40	
2-Chlorophenol	2.552	0.33	3.33	0	76.6	23	134	2.39	6.53	40	
2-Methylnaphthalene	2.713	0.33	3.33	0	81.5	22.8	123	2.572	5.34	40	
4-Nitrophenol	2.594	0.33	3.33	0	77.9	5	132	2.355	9.66	40	
Acenaphthene	2.68	0.33	3.33	0	80.5	43.8	98.7	2.523	6.03	40	
Acenaphthylene	2.735	0.33	3.33	0	82.1	55.7	106	2.603	4.95	40	
Anthracene	2.763	0.33	3.33	0	83	42.5	125	2.605	5.89	40	
Benzo(a)anthracene	2.93	0.33	3.33	0	88	47.7	107	2.72	7.46	40	
Benzo(a)pyrene	2.804	0.33	3.33	0	84.2	42	112	2.617	6.88	40	
Benzo(b)fluoranthene	2.717	0.33	3.33	0	81.6	47	103	2.528	7.21	40	
Benzo(k)fluoranthene	2.717	0.33	3.33	0	81.6	49.6	93.8	2.526	7.29	40	
Bis(2-chloroethyl)ether	2.916	0.33	3.33	0	87.6	12	158	2.727	6.69	40	
Bis(2-chloroisopropyl)ether	2.66	0.33	3.33	0	79.9	36	166	2.468	7.49	40	
Bis(2-ethylhexyl)phthalate	3.278	0.33	3.33	0	98.4	8	158	2.929	11.2	40	
Butyl benzyl phthalate	3.269	0.33	3.33	0	98.2	5	152	3.031	7.56	40	
Chrysene	2.756	0.33	3.33	0	82.8	54	111	2.597	5.96	40	
Di-n-octyl phthalate	3.038	0.33	3.33	0	91.2	4	146	2.777	8.98	40	
Dibenz(a,h)anthracene	2.792	0.33	3.33	0	83.8	51.1	99.9	2.58	7.89	40	

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

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

CLIENT: ICON Environmental Services

Work Order: L06050004

Project: VPSB White Lake

Diethyl phthalate	2.624	0.33	3.33	0	78.8	5	114	2.456	6.62	40
Dimethyl phthalate	2.774	0.33	3.33	0	83.3	5	112	2.591	6.79	40
Fluoranthene	2.963	0.33	3.33	0	89	52.4	102	2.775	6.56	40
Fluorene	2.638	0.33	3.33	0	79.2	40.4	101	2.478	6.23	40
Hexachlorobenzene	2.834	0.33	3.33	0	85.1	5	152	2.668	6.02	40
Hexachlorobutadiene	2.882	0.33	3.33	0	86.6	24	116	2.774	3.81	40
Hexachlorocyclopentadiene	3.212	0.33	3.33	0	96.4	30	170	3	6.83	40
Hexachloroethane	2.582	0.33	3.33	0	77.5	40	113	2.435	5.87	40
Indeno(1,2,3-cd)pyrene	2.798	0.33	3.33	0	84	42.5	103	2.639	5.84	40
Isophorone	2.278	0.33	3.33	0	68.4	21	196	2.156	5.54	40
N-Nitrosodi-n-propylamine	2.979	0.33	3.33	0	89.5	5	230	2.78	6.91	40
N-Nitrosodiphenylamine	2.321	0.33	3.33	0	69.7	30	130	2.181	6.21	40
Naphthalene	2.594	0.33	3.33	0	77.9	28.1	98.3	2.489	4.1	40
Nitrobenzene	2.648	0.33	3.33	0	79.5	35	180	2.496	5.88	40
Pentachlorophenol	2.633	0.33	3.33	0	79.1	14	176	2.355	11.1	40
Phenanthrene	2.741	0.33	3.33	0	82.3	45	110	2.616	4.68	40
Phenol	2.596	0.33	3.33	0	78	5	112	2.444	6.04	40
Pyrene	2.817	0.33	3.33	0	84.6	31.1	120	2.624	7.08	40
Surr: 2,4,6-Tribromophenol	2.086	0.33	3.33	0	83.5	17.1	142	1.993	4.59	40
Surr: 2-Fluorobiphenyl	1.366	0.33	1.667	0	81.9	15.6	129	1.275	6.89	40
Surr: 2-Fluorophenol	2.233	0.33	2.5	0	89.3	13.7	101	2.091	6.59	40
Surr: 4-Terphenyl-d14	1.573	0.33	1.667	0	94.4	16.7	156	1.438	8.95	40
Surr: Nitrobenzene-d5	1.394	0.33	1.667	0	83.6	15.5	115	1.302	6.77	40
Surr: Phenol-d6	2.26	0.33	2.5	0	90.4	12.8	107	2.101	7.3	40

Qualifiers: N/D - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

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

B - Analyte detected in the associated Method Blank

QC SUMMARY REPORT
 Laboratory Control Spike - generic

CLIENT: ICON Environmental Services
Work Order: L06050004
Project: VPSB White Lake
Analysis Date: 5/5/2006 3:25:00 PM
Prep Date:

Sample ID: LCS
Batch ID: R44603
Test Code: SW8270C
Units: mg/Kg
Run ID: G5-GCSEMI_060505B
SeqNo: 656818

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2.446	0.33	3.33	0	73.5	44	142	0	0		
1,2-Dichlorobenzene	2.51	0.33	3.33	0	75.4	32	129	0	0		
1,3-Dichlorobenzene	2.267	0.33	3.33	0	68.1	5	172	0	0		
1,4-Dichlorobenzene	2.289	0.33	3.33	0	68.7	20	124	0	0		
2,4,6-Trichlorophenol	2.526	0.33	3.33	0	75.8	37	144	0	0		
2,4-Dichlorophenol	2.605	0.33	3.33	0	78.2	39	135	0	0		
2,4-Dimethylphenol	2.533	0.33	3.33	0	76.1	32	119	0	0		
2,4-Dinitrophenol	2.064	0.67	3.33	0	62	5	191	0	0		
2,4-Dinitrotoluene	2.965	0.33	3.33	0	89	39	139	0	0		
2,6-Dinitrotoluene	2.518	0.33	3.33	0	75.6	50	158	0	0		
2-Chlorophenol	2.487	0.33	3.33	0	74.7	60	118	0	0		
2-Methylnaphthalene	2.39	0.33	3.33	0	71.8	23	134	0	0		
4-Nitrophenol	2.572	0.33	3.33	0	77.2	22.8	123	0	0		
Acenaphthene	2.355	0.33	3.33	0	70.7	5	132	0	0		
Acenaphthylene	2.523	0.33	3.33	0	75.8	43.8	98.7	0	0		
Anthracene	2.603	0.33	3.33	0	78.2	55.7	106	0	0		
Benzo(a)anthracene	2.605	0.33	3.33	0	81.7	47.7	107	0	0		
Benzo(a)pyrene	2.72	0.33	3.33	0	81.7	47.7	107	0	0		
Benzo(b)fluoranthene	2.617	0.33	3.33	0	78.6	42	112	0	0		
Benzo(k)fluoranthene	2.528	0.33	3.33	0	75.9	47	103	0	0		
Bis(2-chloroethyl)ether	2.526	0.33	3.33	0	75.8	49.6	93.8	0	0		
Bis(2-chloroisopropyl)ether	2.727	0.33	3.33	0	81.9	12	158	0	0		
Bis(2-ethylhexyl)phthalate	2.468	0.33	3.33	0	74.1	36	166	0	0		
Butyl benzyl phthalate	2.929	0.33	3.33	0	88	8	158	0	0		
Chrysene	3.031	0.33	3.33	0	91	5	152	0	0		
Di-n-octyl phthalate	2.597	0.33	3.33	0	78	54	111	0	0		
Dibenz(a,h)anthracene	2.777	0.33	3.33	0	83.4	4	146	0	0		
	2.58	0.33	3.33	0	77.5	51.1	99.9	0	0		

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

QC SUMMARY REPORT

Laboratory Control Spike - generic

CLIENT: ICON Environmental Services

Work Order: L06050004

Project: VPSB White Lake

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diethyl phthalate	2.456	0.33	3.33	0	73.7	5	114	0			
Dimethyl phthalate	2.591	0.33	3.33	0	77.8	5	112	0			
Fluoranthene	2.775	0.33	3.33	0	83.3	52.4	102	0			
Fluorene	2.478	0.33	3.33	0	74.4	40.4	101	0			
Hexachlorobenzene	2.668	0.33	3.33	0	80.1	5	152	0			
Hexachlorobutadiene	2.774	0.33	3.33	0	83.3	24	116	0			
Hexachlorocyclopentadiene	3	0.33	3.33	0	90.1	30	170	0			
Hexachloroethane	2.435	0.33	3.33	0	73.1	40	113	0			
Indero(1,2,3-cd)pyrene	2.639	0.33	3.33	0	79.2	42.5	103	0			
Isophorone	2.156	0.33	3.33	0	64.7	21	196	0			
N-Nitrosodi-n-propylamine	2.78	0.33	3.33	0	83.5	5	230	0			
N-Nitrosodiphenylamine	2.181	0.33	3.33	0	65.5	30	130	0			
Naphthalene	2.489	0.33	3.33	0	74.8	28.1	98.3	0			
Nitrobenzene	2.496	0.33	3.33	0	75	35	180	0			
Pentachlorophenol	2.355	0.33	3.33	0	70.7	14	176	0			
Phenanthrene	2.616	0.33	3.33	0	78.6	45	110	0			
Phenol	2.444	0.33	3.33	0	73.4	5	112	0			
Pyrene	2.624	0.33	3.33	0	78.8	31.1	120	0			
Surr: 2,4,6-Tribromophenol	1.993	0.33	2.5	0	79.7	17.1	142	0			
Surr: 2-Fluorobiphenyl	1.275	0.33	1.667	0	76.5	15.6	129	0			
Surr: 2-Fluorophenol	2.091	0.33	2.5	0	83.6	13.7	101	0			
Surr: 4-Terphenyl-d14	1.438	0.33	1.667	0	86.3	16.7	156	0			
Surr: Nitrobenzene-d5	1.302	0.33	1.667	0	78.1	15.5	115	0			
Surr: Phenol-d6	2.101	0.33	2.5	0	84	12.8	107	0			

Sample ID: LCSD

Batch ID: R44603

Test Code: SW8270C

Units: mg/Kg

Client ID:

Run ID: G5-GCSEML_060505B

SeqNo: 657189

Analysis Date: 5/8/2006 2:51:00 PM

Analyte

Result

PQL

SPK value

SPK Ref Val

%REC

LowLimit

3,3'-Dichlorobenzidine

2.663

0.33

3.33

0

80

5

262

2.448

8.42

40

Prep Date

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

CLIENT: ICON Environmental Services

Work Order: L06050004
Project: VPSB White Lake

QC SUMMARY REPORT

Laboratory Control Spike - generic

Analysis Date 5/8/2006 2:13:00 PM Prep Date

SeqNo: 657190

Sample ID LCS Batch ID: R44603 Test Code: SW8270C Units: mg/Kg
Run ID: G5-GCSEMI_060505B %REC Lowlimit Highlimit RPD Ref Val %RPD RPDlimit Qual

Client ID: Result PQL SPK value SPK Ref Val 0 73.5 5 262 0
Analyte 2.448 0.33 3.33 0 0

3,3-Dichlorobenzidine
Sample ID LCS BTEX / MTBE Batch ID: R44549 Test Code: SW8021B Units: mg/Kg
Run ID: G3_060504A SeqNo: 655845
Analysis Date 5/4/2006 8:13:00 AM Prep Date

Client ID: Result PQL SPK value SPK Ref Val %REC Lowlimit Highlimit RPD Ref Val %RPD RPDlimit Qual
Analyte Benzene 0.0478 0.00080 0.05 0 95.6 70 130 0 2.11 20
Ethylbenzene 0.0487 0.0050 0.05 0 97.4 70 130 0 2.28 20
Toluene 0.0488 0.0050 0.05 0 97.6 70 130 0 2.14 20
Xylenes, Total 0.1465 0.015 0.15 0 97.7 70 130 0 3.56 20
Surr: alpha, alpha, alpha-Trifluorotol 0.0486 0 0.05 0 97.2 70 130 0

Sample ID LCSD BTEX / MT Batch ID: R44549 Test Code: SW8021B Units: mg/Kg
Run ID: G3_060504A SeqNo: 655846
Analysis Date 5/4/2006 8:37:00 AM Prep Date

Client ID: Result PQL SPK value SPK Ref Val %REC Lowlimit Highlimit RPD Ref Val %RPD RPDlimit Qual
Analyte Benzene 0.0468 0.00080 0.05 0 93.6 70 130 0.0478 2.11 20
Ethylbenzene 0.0476 0.0050 0.05 0 95.2 70 130 0.0487 2.28 20
Toluene 0.0477 0.0050 0.05 0 95.4 70 130 0.0488 2.14 20
Xylenes, Total 0.1434 0.015 0.15 0 95.6 70 130 0.1465 3.56 20
Surr: alpha, alpha, alpha-Trifluorotol 0.0469 0 0.05 0 93.8 70 130 0.0486

Sample ID LCS-D 5-2 S Batch ID: 5963 Test Code: SW8015B Units: %
Run ID: G2_060502A SeqNo: 655029
Analysis Date 5/2/2006 5:25:00 PM Prep Date 5/2/2006

Client ID: Result PQL SPK value SPK Ref Val %REC Lowlimit Highlimit RPD Ref Val %RPD RPDlimit Qual
Analyte Surr: n-Pentacosane 421.6 0 500 0 84.3 30 148 0

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

CLIENT: ICON Environmental Services

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Work Order: L06050004
Project: VPSB White Lake

Analysis Date 5/2/2006 5:31:00 PM Prep Date 5/2/2006

Sample ID LCSD-5-2-S Batch ID: 5963 Test Code: SW8015B Units: %
Run ID: G2_060502A SeqNo: 655030

Client ID: Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Analyte 465 0 500 0 93 30 148 0

Surr: n-Pentacosane Analysis Date 5/2/2006 5:52:00 PM Prep Date 5/2/2006

Sample ID LCS-MO 5-2-S Batch ID: 5963 Test Code: SW8015B Units: %
Run ID: G2_060502A SeqNo: 655033

Client ID: Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Analyte 434.4 0 500 0 86.9 30 148 0

Surr: n-Pentacosane Analysis Date 5/2/2006 5:59:00 PM Prep Date 5/2/2006

Sample ID LCSD-MO 5-2-S Batch ID: 5963 Test Code: SW8015B Units: %
Run ID: G2_060502A SeqNo: 655034

Client ID: Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Analyte 407.3 0 500 0 81.5 30 148 0

Surr: n-Pentacosane Analysis Date 5/8/2006 6:29:00 PM Prep Date 5/8/2006

Sample ID LCS-D 5-8-S Batch ID: 5970 Test Code: SW8015B Units: %
Run ID: G2_060508A SeqNo: 657072

Client ID: Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Analyte 443.2 0 500 0 88.6 30 148 0

Surr: n-Pentacosane Analysis Date 5/8/2006 6:36:00 PM Prep Date 5/8/2006

Sample ID LCSD-D 5-8-S Batch ID: 5970 Test Code: SW8015B Units: %
Run ID: G2_060508A SeqNo: 657073

Client ID: Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Analyte 437.5 0 500 0 87.5 30 148 0

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

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

B - Analyte detected in the associated Method Blank

QC SUMMARY REPORT

Laboratory Control Spike - generic

CLIENT: ICON Environmental Services

Work Order: L06050004

Project: VPBS White Lake

Analysis Date 5/8/2006 6:56:00 PM Prep Date 5/8/2006

Sample ID LCS-MO 5-8 S Batch ID: 5970 Test Code: SW8015B Units: % SeqNo: 657076 %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Client ID: Run ID: G2_060508A POL SPK value SPK Ref Val 0 92.9 30 148 0

Analyte Result 464.5 0 500 0 92.9 30 148 0

Surr: n-Pentacosane Analysis Date 5/8/2006 7:03:00 PM Prep Date 5/8/2006

Sample ID LCSD-MO 5-8 S Batch ID: 5970 Test Code: SW8015B Units: % SeqNo: 657077 %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Client ID: Run ID: G2_060508A POL SPK value SPK Ref Val 0 96.3 30 148 0

Analyte Result 481.7 0 500 0 96.3 30 148 0

Surr: n-Pentacosane Analysis Date 5/10/2006 4:27:00 PM Prep Date 5/10/2006

Sample ID LCS-D-5-10 S Batch ID: 5972 Test Code: SW8015B Units: % SeqNo: 659010 %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Client ID: Run ID: G2_060510A POL SPK value SPK Ref Val 0 93.4 30 148 0

Analyte Result 467 0 500 0 93.4 30 148 0

Surr: n-Pentacosane Analysis Date 5/10/2006 4:34:00 PM Prep Date 5/10/2006

Sample ID LCS-MO 5-10 S Batch ID: 5972 Test Code: SW8015B Units: % SeqNo: 659014 %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Client ID: Run ID: G2_060510A POL SPK value SPK Ref Val 0 87.9 30 148 0

Analyte Result 439.6 0 500 0 87.9 30 148 0

Surr: n-Pentacosane Analysis Date 5/10/2006 4:55:00 PM Prep Date 5/10/2006

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

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

B - Analyte detected in the associated Method Blank

CLIENT: ICON Environmental Services
 Work Order: L06050004
 Project: VPSB White Lake

QC SUMMARY REPORT
 Laboratory Control Spike Duplicate

Sample ID: LCS-D-MO 5-10 S Batch ID: 5972 Test Code: SW8015B Units: % Analysis Date 5/10/2006 5:02:00 PM Prep Date 5/10/2006
 Run ID: G2_060510A SeqNo: 659015

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	492.5	0	500	0	98.5	30	148	0			

Sample ID: LCS-R44943 Batch ID: R44943 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 5/17/2006 2:00:00 PM Prep Date
 Run ID: MAN1-WC_060517J SeqNo: 663692

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	960	4.0	1000	1.7	95.8	80	120	0			

Sample ID: LCS-D Batch ID: R44943 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 5/17/2006 2:00:00 PM Prep Date
 Run ID: MAN1-WC_060517J SeqNo: 663712

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	1030	4.0	1000	0	103	80	120	960	7.04	20	

Sample ID: LCS-R44945 Batch ID: R44945 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 5/17/2006 4:00:00 PM Prep Date
 Run ID: MAN1-WC_060517K SeqNo: 663725

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	1010	4.0	1000	2	101	80	120	0			

Sample ID: LCS-D Batch ID: R44945 Test Code: M4500-CI B Units: mg/Kg-dry Analysis Date 5/17/2006 4:00:00 PM Prep Date
 Run ID: MAN1-WC_060517K SeqNo: 663746

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	980	4.0	1000	0	98	80	120	1010	3.02	20	

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

QC SUMMARY REPORT

Laboratory Control Spike - generic

CLIENT: ICON Environmental Services

Work Order: L06050004

Project: VPSB White Lake

Analysis Date 5/2/2006 5:25:00 PM Prep Date 5/2/2006

SeqNo: 654981

Sample ID LCS-D 5-2 S Batch ID: 5963 Test Code: SW8015B Units: mg/Kg Run ID: G2_060502A %REC Lowlimit Highlimit RPD Ref Val %RPD RPDlimit Qual

Client ID: Result PQL SPK value SPK Ref Val 0 78.9 43.2 135 0

Analyte 78.87 10 100 0 80.2 43.2 135 78.87 1.62 40

TPH (Diesel Range) 78.87 10 100 0 80.2 43.2 135 78.87 1.62 40

Sample ID LCSD 5-2 S Batch ID: 5963 Test Code: SW8015B Units: mg/Kg Run ID: G2_060502A %REC Lowlimit Highlimit RPD Ref Val %RPD RPDlimit Qual

Client ID: Result PQL SPK value SPK Ref Val 0 80.2 43.2 135 78.87 1.62 40

Analyte 80.16 10 100 0 80.2 43.2 135 78.87 1.62 40

TPH (Diesel Range) 80.16 10 100 0 80.2 43.2 135 78.87 1.62 40

Sample ID LCS-MO 5-2 S Batch ID: 5963 Test Code: SW8015B Units: mg/Kg Run ID: G2_060502A %REC Lowlimit Highlimit RPD Ref Val %RPD RPDlimit Qual

Client ID: Result PQL SPK value SPK Ref Val 0 89.5 43.2 135 0

Analyte 89.52 50 100 0 89.5 43.2 135 89.52 1.97 40

TPH (Oil Range) 89.52 50 100 0 89.5 43.2 135 89.52 1.97 40

Sample ID LCS-D 5-8 S Batch ID: 5970 Test Code: SW8015B Units: mg/Kg Run ID: G2_060508A %REC Lowlimit Highlimit RPD Ref Val %RPD RPDlimit Qual

Client ID: Result PQL SPK value SPK Ref Val 0 73.1 43.2 135 0

Analyte 73.1 10 100 0 73.1 43.2 135 73.1 0

TPH (Diesel Range) 73.1 10 100 0 73.1 43.2 135 73.1 0

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

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

B - Analyte detected in the associated Method Blank

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

CLIENT: ICON Environmental Services
 Work Order: L06050004
 Project: VPSB White Lake
 Analysis Date 5/8/2006 6:36:00 PM
 Prep Date 5/8/2006

Sample ID	Batch ID	Test Code	Units	SeqNo	Analysis Date	Prep Date	%RPD	RPDLimit	Qual		
LCSD-D-5-8 S	5970	SW8015B	mg/Kg	657047	5/8/2006 6:36:00 PM	5/8/2006					
Client ID:		Run ID: G2_060508A									
Analyte		PQL	SPK value	SPK Ref Val	%REC	Lowlimit	Highlimit	RPD Ref Val	%RPD		
TPH (Diesel Range)			74.64	100	0	74.6	43.2	135	73.1	2.08	40

Sample ID	Batch ID	Test Code	Units	SeqNo	Analysis Date	Prep Date	%RPD	RPDLimit	Qual		
LCS-MO 5-8 S	5970	SW8015B	mg/Kg	657050	5/8/2006 7:03:00 PM	5/8/2006					
Client ID:		Run ID: G2_060508A									
Analyte		PQL	SPK value	SPK Ref Val	%REC	Lowlimit	Highlimit	RPD Ref Val	%RPD		
TPH (Oil Range)			87.53	100	0	87.5	43.2	135	0	2.3	40

Sample ID	Batch ID	Test Code	Units	SeqNo	Analysis Date	Prep Date	%RPD	RPDLimit	Qual		
LCSD-MO 5-8 S	5970	SW8015B	mg/Kg	657051	5/8/2006 7:03:00 PM	5/10/2006					
Client ID:		Run ID: G2_060508A									
Analyte		PQL	SPK value	SPK Ref Val	%REC	Lowlimit	Highlimit	RPD Ref Val	%RPD		
TPH (Oil Range)			89.57	100	0	89.6	43.2	135	87.53	2.3	40

Sample ID	Batch ID	Test Code	Units	SeqNo	Analysis Date	Prep Date	%RPD	RPDLimit	Qual		
LCS-D-5-10 S	5972	SW8015B	mg/Kg	658918	5/10/2006 4:27:00 PM	5/10/2006					
Client ID:		Run ID: G2_060510A									
Analyte		PQL	SPK value	SPK Ref Val	%REC	Lowlimit	Highlimit	RPD Ref Val	%RPD		
TPH (Diesel Range)			88.23	100	0	88.2	43.2	135	0	1.55	40

Sample ID	Batch ID	Test Code	Units	SeqNo	Analysis Date	Prep Date	%RPD	RPDLimit	Qual		
LCSD-D-5-10 S	5972	SW8015B	mg/Kg	658919	5/10/2006 4:34:00 PM	5/10/2006					
Client ID:		Run ID: G2_060510A									
Analyte		PQL	SPK value	SPK Ref Val	%REC	Lowlimit	Highlimit	RPD Ref Val	%RPD		
TPH (Diesel Range)			89.61	100	0	89.6	43.2	135	88.23	1.55	40

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

QC SUMMARY REPORT

Laboratory Control Spike - generic

CLIENT: ICON Environmental Services
Work Order: L06050004
Project: VPSB White Lake
Analysis Date: 5/10/2006 4:55:00 PM
Prep Date: 5/10/2006

Sample ID	LCS-MO 5-10 S	Batch ID:	5972	Test Code:	SW8015B	Units:	mg/Kg	SeqNo:	658922	Analysis Date	5/10/2006 5:02:00 PM	Prep Date	5/10/2006
Client ID:		Run ID:	G2_060510A	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte		Result		50	100	0	96.7	43.2	135	0			

TPH (Oil Range)		Batch ID:	5972	Test Code:	SW8015B	Units:	mg/Kg	SeqNo:	658923	Analysis Date	5/10/2006 9:24:00 AM	Prep Date	
Client ID:		Run ID:	G2_060510A	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte		Result		50	100	0	93	43.2	135	96.68	3.88	40	

Sample ID	LCS 12.5 PPM GA	Batch ID:	R44553	Test Code:	SW8015B	Units:	mg/Kg	SeqNo:	655870	Analysis Date	5/4/2006 9:48:00 AM	Prep Date	
Client ID:		Run ID:	G3_060504B	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte		Result		1.0	12.5	0	114	70	130	0			

Sample ID	LCS 12.5 PPM G	Batch ID:	R44553	Test Code:	SW8015B	Units:	mg/Kg	SeqNo:	655871	Analysis Date	5/4/2006 9:48:00 AM	Prep Date	
Client ID:		Run ID:	G3_060504B	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte		Result		1.0	12.5	0	111	70	130	14.29	3.1	20	

Sample ID	TPH (Gasoline Range)	Batch ID:	R44553	Test Code:	SW8015B	Units:	mg/Kg	SeqNo:	655871	Analysis Date	5/4/2006 9:48:00 AM	Prep Date	
Client ID:		Run ID:	G3_060504B	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte		Result		1.0	12.5	0	111	70	130	14.29	3.1	20	

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

June 05, 2006

Client: Sherry Laboratories (8525)
2417 Pinhook Road
Lafayette, LA 70508
Attn: Annie Reedy

Work Order: NPE0326
Project Name: Sherry Labs
Project Nbr: L06050004
P/O Nbr:
Date Received: 05/03/06

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
#25 - SS-03 (61-80)	NPE0326-01	04/25/06 17:30
#27 - SS-07 (46-62)	NPE0326-02	04/26/06 17:45
#30 - SS-05 (67-93)	NPE0326-03	04/26/06 13:30
#31 - SS-11 (66-97)	NPE0326-04	04/27/06 14:15
#32 - SS-11 (97-107)	NPE0326-05	04/27/06 14:15
#33 - SS-11 (107-110)	NPE0326-06	04/27/06 14:15
#34 - SS-12 (29-73)	NPE0326-07	04/27/06 16:20

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

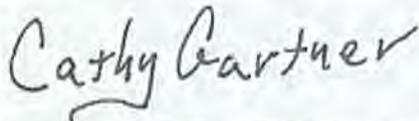
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Additional Laboratory Comments:
Revised report per client request. Reported in dry weight.

The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By:



Cathy Gartner
Project Management

Client Sherry Laboratories (8525)
2417 Pinhook Road
Lafayette, LA 70508
Attn Annie Reedy

Work Order: NPE0326
Project Name: Sherry Labs
Project Number: L06050004
Received: 05/03/06 07:45

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPE0326-01 (#25 - SS-03 (61-80) - Sludge) Sampled: 04/25/06 17:30								
General Chemistry Parameters								
% Dry Solids	40.7		%	0.500	1	05/04/06 12:00	SW-846	6060761
Sulfate	310		mg/kg dry	24.6	1	05/11/06 21:01	SW846 9056	6052012
Bromide	ND		mg/kg dry	24.6	1	05/11/06 21:01	SW846 9056	6052012
Sample ID: NPE0326-02 (#27 - SS-07 (46-62) - Sludge) Sampled: 04/26/06 17:45								
General Chemistry Parameters								
% Dry Solids	28.3		%	0.500	1	05/04/06 12:00	SW-846	6060761
Sulfate	318		mg/kg dry	35.3	1	05/11/06 21:49	SW846 9056	6052012
Bromide	ND		mg/kg dry	35.3	1	05/11/06 21:49	SW846 9056	6052012
Sample ID: NPE0326-03 (#30 - SS-05 (67-93) - Sludge) Sampled: 04/26/06 13:30								
General Chemistry Parameters								
% Dry Solids	42.5		%	0.500	1	05/04/06 12:00	SW-846	6060761
Sulfate	142		mg/kg dry	23.5	1	05/11/06 22:05	SW846 9056	6052012
Bromide	ND		mg/kg dry	23.5	1	05/11/06 22:05	SW846 9056	6052012
Sample ID: NPE0326-04 (#31 - SS-11 (66-97) - Sludge) Sampled: 04/27/06 14:15								
General Chemistry Parameters								
% Dry Solids	70.8		%	0.500	1	05/04/06 12:00	SW-846	6060761
Sulfate	63.1		mg/kg dry	14.1	1	05/11/06 22:22	SW846 9056	6052012
Bromide	ND		mg/kg dry	14.1	1	05/11/06 22:22	SW846 9056	6052012
Sample ID: NPE0326-05 (#32 - SS-11 (97-107) - Sludge) Sampled: 04/27/06 14:15								
General Chemistry Parameters								
% Dry Solids	55.4		%	0.500	1	05/04/06 12:00	SW-846	6060761
Sulfate	242		mg/kg dry	18.1	1	05/11/06 22:38	SW846 9056	6052012
Bromide	ND		mg/kg dry	18.1	1	05/11/06 22:38	SW846 9056	6052012
Sample ID: NPE0326-06 (#33 - SS-11 (107-110) - Sludge) Sampled: 04/27/06 14:15								
General Chemistry Parameters								
% Dry Solids	54.0		%	0.500	1	05/04/06 12:00	SW-846	6060761
Sulfate	157		mg/kg dry	18.5	1	05/11/06 23:26	SW846 9056	6052012
Bromide	ND		mg/kg dry	18.5	1	05/11/06 23:26	SW846 9056	6052012
Sample ID: NPE0326-07 (#34 - SS-12 (29-73) - Sludge) Sampled: 04/27/06 16:20								
General Chemistry Parameters								
% Dry Solids	54.2		%	0.500	1	05/04/06 12:00	SW-846	6060761
Sulfate	220		mg/kg dry	18.5	1	05/11/06 23:43	SW846 9056	6052012
Bromide	ND		mg/kg dry	18.5	1	05/11/06 23:43	SW846 9056	6052012

Client Sherry Laboratories (8525)
 2417 Pinhook Road
 Lafayette, LA 70508
 Attn Annie Reedy

Work Order: NPE0326
 Project Name: Sherry Labs
 Project Number: L06050004
 Received: 05/03/06 07:45

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
General Chemistry Parameters						
6052012-BLK1						
Sulfate	<5.00		mg/kg wet	6052012	6052012-BLK1	05/11/06 20:28
Bromide	<5.00		mg/kg wet	6052012	6052012-BLK1	05/11/06 20:28

Client Sherry Laboratories (8525)
 2417 Pinhook Road
 Lafayette, LA 70508
 Attn Annie Reedy

Work Order: NPE0326
 Project Name: Sherry Labs
 Project Number: L06050004
 Received: 05/03/06 07:45

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters									
6052012-DUP1									
Sulfate	220	210		mg/kg dry	5	20	6052012	NPE0326-07	05/11/06 23:59
Bromide	ND	ND		mg/kg dry		20	6052012	NPE0326-07	05/11/06 23:59

Client Sherry Laboratories (8525)
 2417 Pinhook Road
 Lafayette, LA 70508
 Attn Annie Reedy

Work Order: NPE0326
 Project Name: Sherry Labs
 Project Number: L06050004
 Received: 05/03/06 07:45

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
6052012-BS1								
Sulfate	150	141		mg/kg wet	94%	90 - 110	6052012	05/11/06 20:44
Bromide	100	91.9		mg/kg wet	92%	90 - 110	6052012	05/11/06 20:44

Client Sherry Laboratories (8525)
 2417 Pinhook Road
 Lafayette, LA 70508
 Attn Annie Reedy

Work Order: NPE0326
 Project Name: Sherry Labs
 Project Number: L06050004
 Received: 05/03/06 07:45

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
General Chemistry Parameters										
6052012-MS1										
Sulfate	310	713		mg/kg dry	369	109%	80 - 120	6052012	NPE0326-01	05/11/06 21:17
Bromide	ND	218	M2	mg/kg dry	246	89%	90 - 110	6052012	NPE0326-01	05/11/06 21:17

Client Sherry Laboratories (8525)
 2417 Pinhook Road
 Lafayette, LA 70508
 Attn Annie Reedy

Work Order: NPE0326
 Project Name: Sherry Labs
 Project Number: L06050004
 Received: 05/03/06 07:45

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters												
6052012-MSD1												
Sulfate	310	737		mg/kg dry	369	116%	80 - 120	3	20	6052012	NPE0326-01	05/11/06 21:33
Bromide	ND	228		mg/kg dry	246	93%	90 - 110	4	20	6052012	NPE0326-01	05/11/06 21:33

Client Sherry Laboratories (8525)
 2417 Pinhook Road
 Lafayette, LA 70508
 Attn Annie Reedy

Work Order: NPE0326
 Project Name: Sherry Labs
 Project Number: L06050004
 Received: 05/03/06 07:45

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	AIHA	Nelac	Louisiana
SW846 9056	Soil	N/A	X	X
SW-846	Soil			

Client Sherry Laboratories (8525)
2417 Pinhook Road
Lafayette, LA 70508
Attn Annie Reedy

Work Order: NPE0326
Project Name: Sherry Labs
Project Number: L06050004
Received: 05/03/06 07:45

NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method
SW-846

Matrix
Soil

Analyte
% Dry Solids

Client Sherry Laboratories (8525)
2417 Pinhook Road
Lafayette, LA 70508
Attn Annie Reedy

Work Order: NPE0326
Project Name: Sherry Labs
Project Number: L06050004
Received: 05/03/06 07:45

DATA QUALIFIERS AND DEFINITIONS

M2 The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

METHOD MODIFICATION NOTES

NPE0326
05/17/06 23:59

S. Madison St., Muncie, IN 47302
765-747-9000/800-874-3563 Fax 765-747-0228
 629 Washington St., Suite 300, Columbus, IN 47201
812-375-0531 Fax 812-375-0531
 5738 Industrial Rd., Fort Wayne, IN 46825
219-471-7000 Fax 219-471-7777

2417 W. Pinhook Rd, Lafayette, LA 70508
337-235-0483/800-737-2378
Fax 337-233-6540
 3445 S Sheridan, Tulsa, OK 74145
918-828-9977/800324-5757
Fax 918-828-7756

SHERRY Laboratories

Testing Today - Protecting Tomorrow™

Chain of Custody Record

Page 1 of 2

Client Name: Sherry Laboratories
2417 West Pinhook Road - Lafayette, LA 70508
Contact Name: Annie Reedy
Phone/Fax: 337-235-0483
337-233-6540

Project Name: U6050004
Project #: U6050004
Sampler's Signature: _____

Collection Date/Time	Comp	Gp	Sample Identification / Description	Preservative	Number / Type of Container	Matrix Code	Test Requested						Comments / Remarks	
							Bromide	Sulfate	Total Sulfide					
4/23/06 1730	X		SS-03 (54"-61") (24)	-	16	SL	X	X	X					NPE0326
4/23/06 1730			SS-03 (61"-80") (25)											-01
4/25/06 1730			SS-03 (80"-85") (26)											-02
4/26/06 1745			SS-07 (46"-62") (27)											Valid LELAP
4/26/06 1745			SS-07 (62"-75") (28)											certification required
4/26/06 1745			SS-07 (75"-88") (29)											for all analytes.
4/26/06 1745			SS-05 (67"-93") (30)											Contact Annie Reedy
4/27/06 1330			SS-11 (66"-97") (31)											if analytes not certified.
4/27/06 1415			SS-11 (97"-107") (32)											UPS / FedEx
4/27/06 1415			SS-11 (107"-110") (33)											Airborne / Sherry
4/27/06 1415														Hand / Mail

P.O. Number

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

Relinquished by: (Signature) _____ Date: _____ Time: _____
Received by: (Signature) _____ Date: 5/3/06 Time: 7:45

Which Regulations Apply
 RCRA Drinking Water
 POTW Other _____
 NPDES

Container Types
 G = Glass
 P = Plastic

Shipping Conditions
 Iced
 Temp. _____
 Ambient

Matrix Codes
 DW = Drinking Water MW = Monitoring Well
 WW = Waste Water SL = Sludge
 SO = Soil O = Oil OT = Other

Thank-you for using SHERRY LABORATORIES



Nashville Division
COOLER RECEIPT FORM

BC#

NPE0326

Cooler Received/Opened On: May 2, 2006 @ 08:00

1. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below: 7035

Fed-Ex UPS Velocity DHL Route Off-street Misc.

2. Temperature of representative sample or temperature blank when opened: 2.9 Degrees Celsius
(indicate IR Gun ID#)

NA A00466 A00750 A01124 100190 101282 Raynger ST

3. Were custody seals on outside of cooler?..... YES...NO...NA

a. If yes, how many and where: _____

4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA

5. Were custody papers inside cooler?..... YES...NO...NA

I certify that I opened the cooler and answered questions 1-5 (initial)..... BU

6. Were custody seals on containers: YES NO and Intact YES NO NA

were these signed, and dated correctly?..... YES...NO...NA

7. What kind of packing material used? Bubblewrap Peanuts Vermiculite Foam Insert

Plastic bag Paper Other _____ None

8. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

9. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA

10. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA

11. Did all container labels and tags agree with custody papers?..... YES...NO...NA

12. a. Were VOA vials received?..... YES...NO...NA

b. Was there any observable head space present in any VOA vial?..... YES...NO...NA

I certify that I unloaded the cooler and answered questions 6-12 (initial)..... WS

13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used..... YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here _____

14. Was residual chlorine present?..... YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 13-14 (initial)..... WS

15. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA

16. Did you sign the custody papers in the appropriate place?..... YES...NO...NA

17. Were correct containers used for the analysis requested?..... YES...NO...NA

18. Was sufficient amount of sample sent in each container?..... YES...NO...NA

I certify that I entered this project into LIMS and answered questions 15-18 (initial)..... WS

I certify that I attached a label with the unique LIMS number to each container (initial)..... WS

19. Were there Non-Conformance issues at login YES NO Was a PIPE generated YES NO # 36875

June 05, 2006

Client: Sherry Laboratories (8525)
2417 Pinhook Road
Lafayette, LA 70508
Attn: Annic Reedy

Work Order: NPE0462
Project Name: Sherry Labs
Project Nbr: L06050004
P/O Nbr:
Date Received: 05/04/06

SAMPLE IDENTIFICATION
24 / SS-03 (54-61)
26 / SS-03 (80-85)
28 / SS-07 (62-75)
29 / SS-07 (75-88)

LAB NUMBER
NPE0462-01
NPE0462-02
NPE0462-03
NPE0462-04

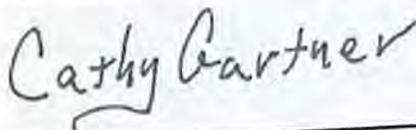
COLLECTION DATE AND TIME
04/25/06 17:30
04/25/06 17:30
04/26/06 17:45
04/26/06 17:45

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

Additional Laboratory Comments:
Revised report due to client request. Reported in dry weight.

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.
These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.
Report Approved By:



Cathy Gartner
Project Management

Client Sherry Laboratories (8525)
 2417 Pinhook Road
 Lafayette, LA 70508
 Attn Annie Reedy

Work Order: NPE0462
 Project Name: Sherry Labs
 Project Number: L06050004
 Received: 05/04/06 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPE0462-01 (24 / SS-03 (54-61) - Sludge) Sampled: 04/25/06 17:30								
General Chemistry Parameters								
% Dry Solids	37.3		%	0.500	1	05/04/06 12:00	SW-846	6060759
Sulfate	466		mg/kg dry	26.8	1	05/14/06 08:00	SW846 9056	6052013
Bromide	ND	H	mg/kg dry	26.8	1	05/14/06 08:00	SW846 9056	6052013
Sample ID: NPE0462-02 (26 / SS-03 (80-85) - Sludge) Sampled: 04/25/06 17:30								
General Chemistry Parameters								
% Dry Solids	34.5		%	0.500	1	05/04/06 12:00	SW-846	6060759
Sulfate	887		mg/kg dry	29.0	1	05/14/06 08:49	SW846 9056	6052013
Bromide	ND	H	mg/kg dry	29.0	1	05/14/06 08:49	SW846 9056	6052013
Sample ID: NPE0462-03 (28 / SS-07 (62-75) - Sludge) Sampled: 04/26/06 17:45								
General Chemistry Parameters								
% Dry Solids	38.3		%	0.500	1	05/04/06 12:00	SW-846	6060759
Sulfate	129		mg/kg dry	26.1	1	05/14/06 09:05	SW846 9056	6052013
Bromide	ND	H	mg/kg dry	26.1	1	05/14/06 09:05	SW846 9056	6052013
Sample ID: NPE0462-04 (29 / SS-07 (75-88) - Sludge) Sampled: 04/26/06 17:45								
General Chemistry Parameters								
% Dry Solids	33.7		%	0.500	1	05/04/06 12:00	SW-846	6060759
Sulfate	2880		mg/kg dry	148	5	05/15/06 13:29	SW846 9056	6052013
Bromide	ND	H	mg/kg dry	29.7	1	05/14/06 09:21	SW846 9056	6052013

Client Sherry Laboratories (8525)
 2417 Pinhook Road
 Lafayette, LA 70508
 Attn Annie Reedy

Work Order: NPE0462
 Project Name: Sherry Labs
 Project Number: L06050004
 Received: 05/04/06 08:15

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
General Chemistry Parameters						
6052013-BLK1						
Sulfate	<5.00		mg/kg wet	6052013	6052013-BLK1	05/14/06 06:55
Bromide	<5.00		mg/kg wet	6052013	6052013-BLK1	05/14/06 06:55

Client Sherry Laboratories (8525)
 2417 Pinhook Road
 Lafayette, LA 70508
 Attn Annie Reedy

Work Order: NPE0462
 Project Name: Sherry Labs
 Project Number: L06050004
 Received: 05/04/06 08:15

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters									
6052013-DUP1									
Sulfate	307	281		mg/kg dry	9	20	6052013	NPE1225-02	05/14/06 10:42
Bromide	ND	ND		mg/kg dry		20	6052013	NPE1225-02	05/14/06 10:42

Client Sherry Laboratories (8525)
 2417 Pinhook Road
 Lafayette, LA 70508
 Attn Annie Reedy

Work Order: NPE0462
 Project Name: Sherry Labs
 Project Number: L06050004
 Received: 05/04/06 08:15

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
6052013-BS1								
Sulfate	150	165		mg/kg wet	110%	90 - 110	6052013	05/14/06 07:11
Bromide	100	108		mg/kg wet	108%	90 - 110	6052013	05/14/06 07:44

Client Sherry Laboratories (8525)
 2417 Pinhook Road
 Lafayette, LA 70508
 Attn Annie Reedy

Work Order: NPE0462
 Project Name: Sherry Labs
 Project Number: L06050004
 Received: 05/04/06 08:15

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
General Chemistry Parameters										
6052013-MS1										
Sulfate	466	807		mg/kg dry	402	85%	80 - 120	6052013	NPE0462-01	05/14/06 08:16
Bromide	ND	287		mg/kg dry	268	107%	90 - 110	6052013	NPE0462-01	05/14/06 08:16

Client Sherry Laboratories (8525)
 2417 Pinhook Road
 Lafayette, LA 70508
 Attn Annie Reedy

Work Order: NPE0462
 Project Name: Sherry Labs
 Project Number: L06050004
 Received: 05/04/06 08:15

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters												
6052013-MSD1												
Sulfate	466	753	M2	mg/kg dry	402	71%	80 - 120	7	20	6052013	NPE0462-01	05/14/06 08:32
Bromide	ND	290		mg/kg dry	268	108%	90 - 110	1	20	6052013	NPE0462-01	05/14/06 08:32

Client Sherry Laboratories (8525)
 2417 Pinhook Road
 Lafayette, LA 70508
 Attn Annie Reedy

Work Order: NPE0462
 Project Name: Sherry Labs
 Project Number: L06050004
 Received: 05/04/06 08:15

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	AIHA	Nelac	Louisiana
SW846 9056	Soil	N/A	X	X
SW-846	Soil			

Client Sherry Laboratories (8525)
2417 Pinhook Road
Lafayette, LA 70508
Attn Annie Reedy

Work Order: NPE0462
Project Name: Sherry Labs
Project Number: L06050004
Received: 05/04/06 08:15

NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method
SW-846

Matrix
Soil

Analyte
% Dry Solids

Client Sherry Laboratories (8525)
2417 Pinhook Road
Lafayette, LA 70508
Attn Annie Reedy

Work Order: NPE0462
Project Name: Sherry Labs
Project Number: L06050004
Received: 05/04/06 08:15

DATA QUALIFIERS AND DEFINITIONS

H Sample analysis performed past method-specified holding time.
M2 The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

METHOD MODIFICATION NOTES



NPE0462
05/18/06 23:59

SHERRY Laboratories

Testing Today - Protecting Tomorrow™

2203 S. Madison St., Muncie, IN 47302

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812-375-0531 Fax 812-375-0531

5738 Industrial Rd., Fort Wayne, IN 46825
219-471-7000 Fax 219-471-7777

2417 W. Pinhook Rd, Lafayette, LA 70508
337-235-0483/800-737-2378

Fax 337-233-6540

3445 S Sheridan, Tulsa, OK 74145

918-828-9977/800324-5757
Fax 918-828-7756

Chain of Custody Record

Client Name: Sherry Laboratories 2417 West Pinhook Road - Lafayette, LA 70508 Contact Name: Annie Reedy Phone/Fax: 337-235-0483 / 337-233-6540		Project Name: <u>Lab 50004</u> Project #: <u>Lab 50004</u> Sampler's Signature: _____		Laboratory Number: _____	
Page <u>1</u> of <u>1</u>	Preservative	Number / Type of Container	Matrix Code	Test Requested	Comments / Remarks
Date: 4/25/06 17:30 " " " " 4/25/06 17:45 " " " "	Sample Identification / Description SS-03 (54"-61") (24) SS-03 (80"-85") (26) SS-07 (62"-75") (28) SS-07 (75"-88") (29)	X X X X	Bromide Sulfate Total Sulfide	X X X X	NPE 0462-01 -02 -03 Valid LELAP certification required for all analytes. Contact Annie Reedy if analytes not certified. UPS / FedEx Airborne / Sherry Hand / Mail
All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.				Relinquished by: (Signature) _____ Date _____ Time _____	Received by: (Signature) _____ Date <u>5/4/06</u> Time <u>8:15</u>
Relinquished by: (Signature) _____ Date _____ Time _____		Relinquished by: (Signature) _____ Date _____ Time _____		Received by: (Signature) _____ Date _____ Time _____	
Matrix Codes DW = Drinking Water WW = Waste Water SO = Soil		Container Types G = Glass P = Plastic		Shipping Conditions <input type="checkbox"/> Iced <input type="checkbox"/> Temp. _____ <input type="checkbox"/> Ambient	
Which Regulations Apply <input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input type="checkbox"/> NPDES		Thank-you for using SHERRY LABORATORIES			



Nashville Division
COOLER RECEIPT FORM

BC#

NPE0462

Cooler Received/Opened On: 5/4/2006 8:15 7857
1. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

FED-EX

Temperature of representative sample or temperature blank when opened: 0.3 Degrees Celsius
(indicate IR Gun ID#)

A00750

3. Were custody seals on outside of cooler?..... YES...NO...NA

a. If yes, how many and where: _____

4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA

5. Were custody papers inside cooler?..... YES...NO...NA

I certify that I opened the cooler and answered questions 1-5 (initial)..... ws

6. Were custody seals on containers: YES NO and Intact YES NO NA

were these signed, and dated correctly?..... YES...NO...NA

7. What kind of packing material used? Bubblewrap Peanuts Vermiculite Foam Insert

Plastic bag Paper Other _____ None

8. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

9. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA

10. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA

11. Did all container labels and tags agree with custody papers?..... YES...NO...NA

12. a. Were VOA vials received?..... YES...NO...NA

b. Was there any observable head space present in any VOA vial?..... YES...NO...NA

I certify that I unloaded the cooler and answered questions 6-12 (initial)..... ws

13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used?..... YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here _____

14. Was residual chlorine present?..... YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 13-14 (initial)..... ws

15. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA

16. Did you sign the custody papers in the appropriate place?..... YES...NO...NA

17. Were correct containers used for the analysis requested?..... YES...NO...NA

18. Was sufficient amount of sample sent in each container?..... YES...NO...NA

I certify that I entered this project into LIMS and answered questions 15-18 (initial)..... ws

I certify that I attached a label with the unique LIMS number to each container (initial)..... ws

19. Were there Non-Conformance issues at login YES NO Was a PIPE generated YES NO # _____

Sherry Laboratories - Chain of Custody Record

Laboratory Number: LO0050004

Page 1 of 3

Client Information:
 Company Name: LEON Environmental
 Contact Name: Greg Miller
 Address: 1055 Convention St
2nd floor
 City, State Zip: Baton Rouge La 70802
 Phone Number: (225) 344-8490
 Ext: _____
 Fax Number: _____
 E-mail Address: _____

Billing Information:
 Billing Information: 5 AM.E

PO Number: _____
Quote Number: _____
Required QC Level: _____
Bill Monthly: Yes No

Project Name/Number:
VPSB-White Lake
9077-041-0800
Sampler's Signature:
DRP

Shipping Method:
 UPS / FedEx / Airborne
 DHL / Sherry / Hand / Mail

Matrix Code:
 DW = Drinking Water
 WW = Waste Water
 GW = Ground Water
 AQ = Aqueous
 SL = Sludge
 O = Oil
 F = Food
 NG = Natural Gas
 NGL = Natural Gas Liquid
 PW = Produced Water
 CF = Completion Fluid

Sample ID/Description	Which Regulations Apply: <input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input checked="" type="checkbox"/> NPDES <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC	Turn Time <input checked="" type="checkbox"/> Standard <input type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	Collection Information		Matrix	Quantity	Container Type P=Plastic, G=Glass, V=Vial	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₃	Requested Tests	Comments
			Date	Time						
			Date/Time							
SS-01 (1.5'-3.6')			4/25/06	1430	G	SL	2	G		
SS-01 (3.6'-4.0')			4/25/06	1430	G	SL	2	G		
SS-02 (9"-21")			4/25/06	1600	G	SL	2	G		
SS-02 (21"-27")			4/25/06	1600	G	SL	2	G		
SS-04 (43.5"-50.5")			4/26/06	1215	G	SL	1	G		
SS-04 (50.5"-75.5")			4/26/06	1215	G	SL	2	G		
SS-04 (75.5"-88.5")			4/26/06	1215	G	SL	2	G		
SS-06 (31"-51")			4/26/06	1600	G	SL	2	G		
SS-06 (51"-61")			4/26/06	1600	G	SL	2	G		

Relinquished by: DRP **Date/Time:** 4/28/06 1605
Received by: Abdullah **Date/Time:** 4-28-06 1605
 Received at lab on ice? Yes No Temp: _____

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples.

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 Suite 125
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2129 Willow Street
 Scott, LA 70583
 337-232-3568
 Fax: 337-232-3621

9/05

Sherry Laboratories - Chain of Custody Record

Laboratory Number: **10605 0004**

Client Information: **ICOM Environmental** Billing Information: **5 AM E**
 Company Name: **ICOM Environmental**
 Contact Name: **Greg Miller**
 Address: **1055 Cavalcade st**
 City, State Zip: **Baton Rouge La 70802**
 Phone Number: **(225) 344-8980** Ext:
 Fax Number:
 E-mail Address:

Project Name/Number: **VPSB - White Lake**
 Quote Number: **9077-041-0800**
 Sampler's Signature: **DRP**
 Required QC Level:
 Shipping Method: **UPS / FedEx / Airborne**
 DHL / Sherry / **Hand** / Mail

Matrix Code:
 DW = Drinking Water
 WW = Waste Water
 GW = Ground Water
 AQ = Aqueous
 SL = Sludge
 O = Oil
 F = Food
 NGL = Natural Gas
 PW = Produced Water
 CF = Completion Fluid
 OT = Other
 SOL = Solid
 SO = Soil
 SW = Swab
 NG = Natural Gas
 NL = Natural Gas Liquid
 PW = Produced Water
 CF = Completion Fluid

Page **2** of **34**

Sample ID/Description	Which Regulations Apply: <input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input checked="" type="checkbox"/> NPDES <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC	Turn Time <input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	(Rush turn times will incur a surcharge and must be pre-approved by lab.)	Collection Information		Quantity	Container Type P=Plastic, G=Glass, V=Vial	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₈	Requested Tests	Comments
				Date	Time					
				Grab/Composite						
10 55-08 (44"-67")		4/22/06 1010	G	5L	2	G	-			
11 55-08 (67"-72")		4/27/06 1010	G	5L	2	G	-			
12 55-09 (82"-102")		4/27/06 1155	G	5L	1	G	-			
13 55-09 (103"-121")		4/27/06 1115	G	5L	2	G	-			
14 55-09 (121"-126")		4/27/06 1155	G	5L	1	G	-			
15 55-10 (10"-27")		4/27/06 1300	G	5L	1	G	-			
16 55-10 (27"-40")		4/27/06 1300	G	5L	1	G	-			
17 55-13 (45"-58")		4/28/06 945	G	5L	2	G	-			
18 55-13 (58"-78")		4/28/06 945	G	5L	1	G	-			
19 55-13 (78"-83")		4/28/06 945	G	5L	1	G	-			

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
DRP	4/28/06 1605	ABoulevard	4/28/06 1605	Received at lab on ice? <input type="checkbox"/> Yes <input type="checkbox"/> No Temp:

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SAMPLE LOG-IN CHECK LIST

Chain of Custody

Yes	No	N/A	Were seals, if present, intact?
Yes	No		Is Chain of Custody complete? If no, please comment below.
			How was the sample delivered? Sherry FedEx UPS Hand Other: _____

Log In

Yes	No		Was an attempt made to cool the samples? Temperature: <u>2</u> Ambient
Yes	No	N/A	Are samples properly preserved?
			If preservative added to bottles, which bottles? _____
Yes	No	N/A	Is the headspace in the VOA vials less than ¼ inch or 6 mm?
Yes	No	N/A	Are VOA vials preserved with HCl?
Yes	No		Does paperwork match bottle labels? (Note discrepancies on Chain of Custody)
Yes	No		Are matrices correctly identified on Chain of Custody?
Yes	No		Is it clear what analyses were requested?
Yes	No		Are we able to meet all holding times? (If no, notify customer for authorization.)

Special Handling (if applicable)

Yes	No	N/A	Was client notified of all discrepancies with this order? Person notified: _____ Date: _____ Time: _____ By whom? _____ Via: Phone Fax In Person Regarding: _____ Report / Do Not Report
Yes	No	N/A	Was other special handling completed? Explain: _____

Notes:

Bicy, TPH 6, ~~PH~~ collected in amber jars approved to run by Iron

Customer: Iron Laboratory Work Order # 6050004

Log In Signature: [Signature] Date: 8/4/2006 Time: 1605



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(800) 737-2378

Greg Miller
ICON Environmental Services
1055 Convention Street, 2nd Floor
Baton Rouge, LA 708024771
TEL: (225) 344-8490
FAX (225) 344-6654

November 14, 2006
Order No.: L06100616

B3 (9-12) (4-7) (8-10)
B5 (6-1.5) (4-5.5) (8-10)
B4 (6-1) (3-5) (5-8)
B8 (5-5.7) (9.5-11.5)
B5 (4-6) (8-11.5)
AIL AH WT

RE: VPSB White Lake

Dear Greg Miller:

Sherry Laboratories/Louisiana received 12 samples on 8/14/2006 for the analyses presented in the following report.

In accordance with your instructions, Sherry Laboratories/Louisiana conducted the analysis shown on the following pages on samples submitted by your company. The results related only to the items tested. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet all requirements of NELAC. All relevant sampling information is on the attached Chain-of-Custody form. A "#" by the test method indicates this parameter is outside the scope of accreditation.

All soil samples except 29-B data are on a wet-weight basis unless otherwise indicated.

Louisiana Certification/Accreditation: 01997

A scope of Certified/Accredited parameters is available upon request.

If you have any questions regarding these test results, please feel free to call.

Sincerely,
Jerry Landry
Laboratory Director

Approved By: *Annie Reedy*
Annie Reedy
Assistant Laboratory Director

Total Pages in this Report 30



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(800) 737-2378

Date: 14-Nov-06

CLIENT: ICON Environmental Services
Project: VPSB White Lake
Lab Order: L06100616

CASE NARRATIVE

Unless specified by the client, a duplicate or MS/MSD, wherever applicable, is randomly selected and analyzed from each analytical batch provided sample volume is sufficient. The sample chosen for duplicate or MS/MSD may or may not be a sample submitted in this workorder. A method blank and/or a lab control sample (LCS)/lab control sample duplicate (LCSD), wherever applicable, are processed as a quality control check for each analytical batch. When the matrix QC data is not available due to insufficient sample volume or when the results indicate possible matrix effect, the validity of the batch is determined by the method blank and LCS/LCSD.

Any other exceptions associated with this report will be footnoted in the results page(s) or the QC summary page(s).

The Leachable Chloride sample was prepared outside of the holding time by Sherry Laboratories and analyzed by Southern Petroleum Laboratories - Lafayette. Their report is attached in its entirety.



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CLIENT: ICON Environmental Services

Lab Order: L06100616

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 10-Nov-06

Lab ID L06100616-01 **Collection Date:** 8/9/2006 11:10:00 AM **Sample ID:** B-3 (9-12)

Matrix: SOIL *SL*

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
Arsenic	9.44	0.995		mg/Kg	10/25/2006 10:22:21 PM	

20.0

%m 52.8
9.44 / .472 =

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06100616

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 10-Nov-06

Lab ID L06100616-02 **Collection Date:** 8/9/2006 11:06:00 AM **Sample ID:** B-3 (4-7)

Matrix: SOIL *SL*

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
Arsenic	30.0	0.995		mg/Kg	10/25/2006 10:26:43 PM	

161.7

% MOIST -70.5

30/0.295

Qualifiers:

- +DO - Diluted out due to dilution
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06100616

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 10-Nov-06

Lab ID L06100616-03 **Collection Date:** 8/9/2006 11:37:00 AM **Sample ID:** B-5 (0-1.5)

Matrix: ~~SOIL~~ SL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
Arsenic	6.57	0.991		mg/Kg	10/25/2006 10:31:20 PM	

22.66

% MOIST = 71

6.57 / .29 =

- | | | |
|--------------------|---|---|
| Qualifiers: | +DO - Diluted out due to dilution | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | MI+ - Matrix Interference |
| | * - Value exceeds MCL or Permit Limitation | H - Exceeds Holding Time |



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CLIENT: ICON Environmental Services

Lab Order: L06100616

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 10-Nov-06

Lab ID L06100616-04 **Collection Date:** 8/9/2006 11:43:00 AM **Sample ID:** B-5 (4-5.5)

Matrix: SOIL

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						
Arsenic	4.22	0.991		mg/Kg	10/25/2006 10:35:40 PM	STS

% moist = 58.5

4.22 / .415 = 10.17

- | | | |
|--------------------|---|---|
| Qualifiers: | +DO - Diluted out due to dilution | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | MI+ - Matrix Interference |
| | * - Value exceeds MCL or Permit Limitation | H - Exceeds Holding Time |



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CLIENT: ICON Environmental Services

Lab Order: L06100616

Date Received: 8/14/2006

Project: VPSB White Lake

Date Reported: 10-Nov-06

Lab ID L06100616-05 **Collection Date:** 8/9/2006 11:50:00 AM **Sample ID:** B-5 (8-10)

Matrix: SOIL **Tag Number:**

SL

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						
Arsenic	4.59	0.992		mg/Kg	10/25/2006 10:40:14 PM	STS

% MOIST - 59.6
4.59 / .404 = 11.36

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06100616

Date Received: 8/14/2006

Project: VPSB White Lake

Date Reported: 10-Nov-06

Lab ID L06100616-06 **Collection Date:** 8/9/2006 12:36:00 PM **Sample ID:** B-4 (0-1)

Matrix: SOIL *SL* **Tag Number:**

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
Arsenic	8.73	0.992		mg/Kg	10/25/2006 10:44:32 PM	

% MOIST = 78.4

8.73 / .216 = 40.42

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06100616

Date Received: 8/14/2006

Project: VPSB White Lake

Date Reported: 10-Nov-06

Lab ID L06100616-07 **Collection Date:** 8/9/2006 12:40:00 PM **Sample ID:** B-4 (3-5)

Matrix: SOIL **Tag Number:**

SL

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
Arsenic	6.46	0.997		mg/Kg	10/25/2006 10:49:06 PM	

$$\frac{6.46}{.475} = 13.6$$

% moist = 52.5

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06100616

Date Received: 8/14/2006

Project: VPSB White Lake

Date Reported: 10-Nov-06

Lab ID L06100616-08 **Collection Date:** 8/9/2006 12:42:00 PM **Sample ID:** B-4 (5-8)

Matrix: SOIL

Tag Number:

SL

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
Arsenic	4.67	0.997		mg/Kg	10/25/2006 11:02:13 PM	

% Moist = 82.6

4.67 / 174 = 26.84

- | | | |
|--------------------|---|---|
| Qualifiers: | +DO - Diluted out due to dilution | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | MI+ - Matrix Interference |
| | * - Value exceeds MCL or Permit Limitation | H - Exceeds Holding Time |



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 Testing Today - Protecting Tomorrow*

P O Box 81816
 Lafayette LA 70598-1816
 Fax: (337) 233-6540
 (800) 737-2378

CLIENT: ICON Environmental Services

Lab Order: L06100616

Date Received: 8/14/2006

Project: VPSB White Lake

Date Reported: 10-Nov-06

Lab ID L06100616-09 **Collection Date:** 8/9/2006 3:30:00 PM **Sample ID:** B-8 (5-5.7)

Matrix: SOIL 54 **Tag Number:**

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP	SW6010B					STS
Arsenic	5.57	0.999		mg/Kg	10/25/2006 11:06:47 PM	

% Moist = 56.2

$$\frac{5.57}{.438} = 12.72$$

- Qualifiers:**
- +DO - Diluted out due to dilution
 - J - Analyte detected below quantitation limits
 - B - Analyte detected in the associated Method Blank
 - * - Value exceeds MCL or Permit Limitation
 - S - Spike Recovery outside accepted recovery limits
 - R - RPD outside accepted recovery limits
 - MI+ - Matrix Interference
 - H - Exceeds Holding Time



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Fax: (337) 233-6540
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CLIENT: ICON Environmental Services

Lab Order: L06100616

Date Received: 8/14/2006

Project: VPSB White Lake

Date Reported: 10-Nov-06

Lab ID L06100616-10 **Collection Date:** 8/9/2006 3:36:00 PM **Sample ID:** B-8 (9.5-11.5)

Matrix: SOIL *SL* **Tag Number:**

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
Arsenic	6.15	0.992		mg/Kg	10/25/2006 11:11:20 PM	

% Moist = 32.9

$\frac{6.15}{.671} = 9.17$

- | | | |
|--------------------|---|---|
| Qualifiers: | +DO - Diluted out due to dilution | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | MI+ - Matrix Interference |
| | * - Value exceeds MCL or Permit Limitation | H - Exceeds Holding Time |



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Fax: (337) 233-6540
(800) 737-2378

CLIENT: ICON Environmental Services

Lab Order: L06100616

Date Received: 8/14/2006

Project: VPSB White Lake

Date Reported: 10-Nov-06

Lab ID L06100616-11 **Collection Date:** 8/10/2006 9:18:00 AM **Sample ID:** B-15 (4-6)

Matrix: SOIL *SL* **Tag Number:**

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP	SW6010B					STS
Arsenic	5.36	0.993		mg/Kg	10/25/2006 11:15:38 PM	

% Moist - 58.1

$$\frac{5.36}{.419} = 12.79$$

- | | | |
|--------------------|---|---|
| Qualifiers: | +DO - Diluted out due to dilution | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | MI+ - Matrix Interference |
| | * - Value exceeds MCL or Permit Limitation | H - Exceeds Holding Time |



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(800) 737-2378

CLIENT: ICON Environmental Services

Lab Order: L06100616

Date Received: 8/14/2006

Project: VPSB White Lake

Date Reported: 10-Nov-06

Lab ID L06100616-12 **Collection Date:** 8/10/2006 9:22:00 AM **Sample ID:** B-15 (8-11.5)

Matrix: SOIL

Tag Number:

SL

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP	SW6010B					STS
Arsenic	7.02	0.998		mg/Kg	10/25/2006 11:20:12 PM	

% moist = 48.1

$$\frac{7.02}{.519} = 13.53$$

- | | | |
|--------------------|---|---|
| Qualifiers: | +DO - Diluted out due to dilution | S - Spike Recovery outside accepted recovery limits |
| | J - Analyte detected below quantitation limits | R - RPD outside accepted recovery limits |
| | B - Analyte detected in the associated Method Blank | MI+ - Matrix Interference |
| | * - Value exceeds MCL or Permit Limitation | H - Exceeds Holding Time |

Sherry Laboratories/Louisiana

Date: 10-Nov-06

CLIENT: ICON Environmental Services
Work Order: L06100616
Project: VPSB White Lake

QC SUMMARY REPORT
Method Blank

Sample ID **MBLK** Batch ID: **6482** Test Code: **SW6010B** Units: **mg/Kg** Analysis Date **10/25/2006 9:42:19 PM** Prep Date
Client ID: Run ID: **I2-OPTIMA_061025A** SeqNo: **738691**
Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Arsenic < 0.010 0.010

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

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

B - Analyte detected in the associated Method Blank
/

Sherry Laboratories/Louisiana

Date: 10-Nov-06

CLIENT: ICON Environmental Services
 Work Order: L06100616
 Project: VPSB White Lake

QC SUMMARY REPORT
 Sample Matrix Spike

Sample ID	L06100615-01AM	Batch ID:	6482	Test Code:	SW6010B	Units:	mg/Kg	Analysis Date	10/25/2006 10:09:28 P	Prep Date	10/18/2006										
Client ID:		Run ID:	I2-OPTIMA_061025A <th>SeqNo:</th> <td>738695 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td>	SeqNo:	738695 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>																
Analyte		PQL	0.99	SPK value	49.63	SPK Ref Val	17.36	%REC	110	LowLimit	75	HighLimit	125	RPD Ref Val	0	%RPD		RPDLimit		Qual	
Arsenic			71.92																		

Sample ID	L06100615-01AM	Batch ID:	6482	Test Code:	SW6010B	Units:	mg/Kg	Analysis Date	10/25/2006 10:13:45 P	Prep Date	10/18/2006										
Client ID:		Run ID:	I2-OPTIMA_061025A <th>SeqNo:</th> <td>738696</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	SeqNo:	738696																
Analyte		PQL	0.99	SPK value	49.6	SPK Ref Val	17.36	%REC	110	LowLimit	75	HighLimit	125	RPD Ref Val	71.92	%RPD	0.295	RPDLimit	20	Qual	
Arsenic			71.7																		

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

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

B - Analyte detected in the associated Method Blank

Sherry Laboratories/Louisiana

Date: 10-Nov-06

CLIENT: ICON Environmental Services

Work Order: L06100616

Project: VPSB White Lake

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID	LCS LOT #	05F20	Batch ID:	6482	Test Code:	SW6010B	Units:	mg/Kg	Analysis Date	10/25/2006 9:46:30 PM	Prep Date
Client ID:	Run ID:	12-OPTIMA_061025A	SeqNo:	738692							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4908	0.010	0.5	0	98.2	75	125	0			

Sample ID	LCSD LOT #	05F2	Batch ID:	6482	Test Code:	SW6010B	Units:	mg/Kg	Analysis Date	10/25/2006 9:51:06 PM	Prep Date
Client ID:	Run ID:	12-OPTIMA_061025A	SeqNo:	738693							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5063	0.010	0.5	0	101	75	125	0.4908	3.1	20	

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



LAFAYETTE LABORATORY
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Case Narrative for:
SHERRY LABORATORIES

Certificate of Analysis Number:
06110058

<p><u>Report To:</u></p> <p>SHERRY LABORATORIES ANNIE REEDY 2417 WEST PINHOOK RD.</p> <p>LAFAYETTE LA 70508- ph: (337) 235-0483 fax:</p>	<p><u>Project Name:</u> SHERRY LABS-PINHOOK</p> <p><u>Site:</u> L06100616</p> <p><u>Site Address:</u></p> <p><u>PO Number:</u></p> <p><u>State:</u> Louisiana</p> <p><u>State Cert. No.:</u> 02048</p> <p><u>Date Reported:</u> 11/7/2006</p>
--	--

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

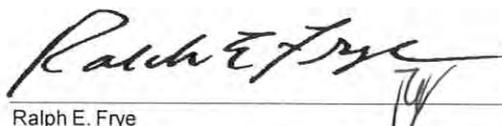
Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

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

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

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

TOTAL NUMBER OF PAGES IN THIS REPORT: 8 PAGES


 Ralph E. Frye
 Project Manager



LAFAYETTE LABORATORY
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

SHERRY LABORATORIES

Certificate of Analysis Number:

06110058

Report To: SHERRY LABORATORIES
 ANNIE REEDY
 2417 WEST PINHOOK RD.

LAFAYETTE
 LA

70508-

ph: (337) 235-0483 fax: (337) 233-6540

Fax To:

Project Name: SHERRY LABS-PINHOOK

Site: L06100616

Site Address:

PO Number:

State: Louisiana

State Cert. No.: 02048

Date Reported: 11/7/2006

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
B-15 (8-11.5)	06110058-01	Leachate	8/9/2006 9:22:00 AM	11/1/2006 4:30:00 PM		<input type="checkbox"/>

Ralph E. Frye
 ProjectManager

11/7/2006

Date

Ron Benjamin
 Laboratory Director
 Tristan Davis
 Quality Assurance Officer



LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Client Sample ID: B-15 (8-11.5) Collected: 08/09/2006 9:22 SPL Sample ID: 06110058-01

Site: L06100616

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
LDNR LEACHABLE CHLORIDES ANALYSIS VIA SW846 9253							
			MCL		SW9253	Units: mg/L	
Chloride	1310		5	1	11/07/06 10:00	PFB	2019371

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

Quality Control Documentation



Quality Control Report

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

SHERRY LABORATORIES
SHERRY LABS-PINHOOK

Analysis: LDNR Leachable Chlorides Analysis via SW846 9253
Method: SW9253

WorkOrder: 06110058
Lab Batch ID: R139763

Method Blank

Samples in Analytical Batch:

RunID: WET_061107J-2019360 Units: mg/L
Analysis Date: 11/07/2006 10:00 Analyst: PFB

Lab Sample ID Client Sample ID
06110058-01A B-15 (8-11.5)

Table with 3 columns: Analyte, Result, Rep Limit. Row: Chloride, ND, 5.0

Laboratory Control Sample (LCS)

RunID: WET_061107J-2019361 Units: mg/L
Analysis Date: 11/07/2006 10:00 Analyst: PFB

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Row: Chloride, 150.0, 147.3, 98.20, 90, 110

Sample Duplicate

OriginalSample: 06110058-01
RunID: WET_061107J-2019371 Units: mg/L
Analysis Date: 11/07/2006 10:00 Analyst: PFB

Table with 5 columns: Analyte, Sample Result, DUP Result, RPD, RPD Limit. Row: Chloride, 1310, 1349, 2.63, 20

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

*Sample Receipt Checklist
And
Chain of Custody*



LAFAYETTE LABORATORY
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337)237-4775

Sample Receipt Checklist

Workorder:	06110058	ReceivedBy:	AJB
Date and Time Received:	11/1/2006 4:30:00 PM	Carriername:	Client Drop Off
Temperature:	5C°C	Chilled by:	Water Ice

- 1. Shipping container/cooler in good condition? Yes No NotPresent
- 2. Custody seals intact on shipping container/cooler? Yes No NotPresent
- 3. Custody seals intact on sample bottles? Yes No NotPresent
- 4. Chain of custody present? Yes No
- 5. Chain of custody signed when relinquished and received? Yes No
- 6. Chain of custody agrees with sample labels? Yes No
- 7. Samples in proper container/bottle? Yes No
- 8. Sample containers intact? Yes No
- 9. Sufficient sample volume for indicated test? Yes No
- 10. All samples received within holding time? Yes No
- 11. Container/Temp Blank temperature in compliance? Yes No
- 12. Water - VOA vials have zero headspace? Yes No VOA Vials Not Present
- 13. Water - Preservation checked upon receipt (except VOA*)? Yes No NotApplicable

*VOA Preservation Checked After Sample Analysis

SPL Representative:

Contact Date & Time:

Client Name Contacted:

Non Conformance Issues:

Client Instructions:

06110058

Sherry Laboratories/Louisiana
2417 West Pinhook Road
Lafayette, LA 70508-3344
(337) 235-0483

CHAIN-OF-CUSTODY RECORD

Subcontractor:
SPL, Inc
500 Ambassador Caffery Parkway
TEL: (337) 237-4775
FAX: (337) 237-8005

Scott, LA 70583 Acct #: 01-Nov-06

Client Sample ID	Lab ID	Matrix	Collection Date	Bottle Type	Number of Containers	Requested Tests
B-15 (8-11.5)	L06100616-12B	Soil	8/9/2006 9:22:00 AM	2LHDPE	1	LEACHATECHLOR

*Client drop
No C.S.
Temp = 5.0c*

Comments: Sample all ready prep Leachate chloride by 9253

Use Client Sample ID(s) on reports.
Valid LELAP Certification required.

Relinquished by:	<i>[Signature]</i>	Date/Time	11/01/06
Relinquished by:	<i>[Signature]</i>	Date/Time	11/01/06 1555
Received by:	<i>[Signature]</i>	Date/Time	11/01/06 1430
Received by:	<i>[Signature]</i>	Date/Time	11/01/06 1430

Sherry Laboratories - Chain of Custody Record

Laboratory Number:

0001000000

Client Information:		Billing Information:	
Company Name: TCOM ENV	PO Number:	Project Name/Number: Relog - 00800007	Page of
Contact Name: Greg Miller	Quote Number:	Matrix Code: DW = Drinking Water WW = Waste Water GW = Ground Water AQ = Aqueous OT = Other SL = Sludge SOL = Solid O = Oil SO = Soil F = Food NG = Natural Gas NGL = Natural Gas Liquid PW = Produced Water CF = Completion Fluid	
Address:	Required QC Level:	Shipping Method: UPS / FedEx / Airborne DHL / Sherry / Hand / Mail	
City, State Zip:	Ext:		
Phone Number:	Bill Monthly <input type="checkbox"/> Yes <input type="checkbox"/> No		
Fax Number:			
E-mail Address:			

Sample ID/Description	Which Regulations Apply:		Turn Time <input type="checkbox"/> Standard <input type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	(Rush turn times will incur a surcharge and must be pre-approved by lab.)	Container Type P=Plastic, G=Glass, V=Vial	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ O ₂	Requested Tests	Comments
	<input type="checkbox"/> RCRA	<input type="checkbox"/> POTW						
	Collection Information							
	Date	Time	Grab / Composite	Matrix				
B-3 (4-12)	8/10/06	1110		Soil				
B-3 (4-7)		1106						
B-5 (0-1.5)		1137						
B-5 (4-5.5)		1143						
B-5 (8-10)		1150						
B-4 (0-1)		1234						
B-4 (3-5)		1240						
B-4 (5-8)		1242						
B-8 (5.5-7)		1530						
B-8 (9.5-11.5)		1536						

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
1				
2				Received at lab on ice? <input type="checkbox"/> Yes <input type="checkbox"/> No Temp: _____
3				

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

9301 Innovation Drive Suite 125 Daleville, IN 47334 765-378-4103 Fax: 765-378-4109	629 Washington St. Suite 300 Columbus, IN 47201 812-375-0531 Fax: 812-375-0731	5738 Industrial Rd. Fort Wayne, In 46825 260-471-7000 Fax: 260-471-7777	2417 W. Pinhook Rd Lafayette, LA 70508 337-235-0483 Fax: 337-233-6540	2129 Willow Street Scott, LA 70583 337-232-3568 Fax: 337-232-3621
--	--	--	--	--



Sherry Laboratories - Chain of Custody Record

Laboratory Number:

Client Information:		Billing Information:	
Company Name: <i>JCOLEMAN</i>	PO Number:	Project Name/Number: <i>Relox Lake 0806067</i>	Page of
Contact Name: <i>Greg Miller</i>	Quote Number:	Matrix Code: DW = Drinking Water WW = Waste Water GW = Ground Water AQ = Aqueous SL = Sludge O = Oil F = Food NG = Natural Gas NGL = Natural Gas Liquid PW = Produced Water CF = Completion Fluid	
Address:	Required QC Level:	Sampler's Signature: <i>[Signature]</i>	
City, State Zip:	Bill Monthly: <input type="checkbox"/> Yes <input type="checkbox"/> No	Shipping Method: UPS / FedEx / Airborne DHL / Sherry / Hand / Mail	
Phone Number:	Ext:		
Fax Number:			
E-mail Address:			

Which Regulations Apply: <input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input type="checkbox"/> NPDES <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC	Turn Time <input type="checkbox"/> Standard <input type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	(Rush turn times will incur a surcharge and must be pre-approved by lab.)	Container		Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ O ₂	Requested Tests	Comments
			Quantity	Type P=Plastic, G=Glass, V=Vial			
			Collection Information				
Sample ID/Description	Date	Time	Grab/Composite	Matrix			
B-15 (4-6)	8/1/06	0918		soil	-		
B-15 (8-11.5)	8/1/06	0930		1	-		

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
1				
2				Received at lab on ice? <input type="checkbox"/> Yes <input type="checkbox"/> No Temp:
3				

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

9301 Innovation Drive
Suite 125
Daleville, IN 47334
765-378-4103
Fax: 765-378-4109

629 Washington St.
Suite 300
Columbus, IN 47201
812-375-0531
Fax: 812-375-0731

5738 Industrial Rd.
Fort Wayne, IN 46825
260-471-7000
Fax: 260-471-7777

2417 W. Pinhook Rd
Lafayette, LA 70508
337-235-0483
Fax: 337-233-6540

2129 Willow Street
Scott, LA 70583
337-232-3568
Fax: 337-232-3621



Sherry Laboratories - Chain of Custody Record

Laboratory Number: 1000800007

Which Regulations Apply:
 RCRA Drinking Water Aqueous Soil Oil
 POTW Distribution DW = Drinking SL = Sludge
 NPDES Special WW = Waste F = Food
 USDA/FDA State MW = Monit. Well SW = Swab
 REC-APRISC Other LQ = Liquid SOL = Solid

Client Information: **ICON Environmental** Billing Information: **SAME**
 Contact Name: **Greg Miller** PO Number:
 Address: **1055 Conventon St.** Quote Number:
 City, State Zip: **Baton Rouge LA 70802** Required QC Level:
 Phone Number: **225-344-8490** Ext.: Shipping Method:
 E-mail Address:

Project Name/Number: **VPSB White Lake** Page 1 of 2
 Sampler's Signature: **9077-041-0800** Turn Time:
 Standard
 1 Day
 2 Day
 Other
 (Rush turn times will incur a surcharge and must be pre-approved by lab.)

Shipping Method:
 UPS / FedEx / Airborne
 DHL / Sherry / Hand / Mail

Sample ID/Description	Date	Time	Matrix	Container		Pres.	Requested Tests			Comments
				Type	Quantity		HCl, HNO ₃ , H ₂ SO ₄	TPH-D/O	Metals	
B-3 (0'-1')			Grab	G	1	none	X	X	X	Metals As, Ba, Cd, Pb, Se, Sr TPH-D/O Method 8015B
B-3 (9'-12')	8/9/06	1110	Grab SL	G	1	none	X	X	X	
B-3 (4'-7')	8/9/06	1106	Grab SL	G	1	none	X	X	X	
B-5 (0'-1.5')	8/9/06	1137	Grab SL	G	1	none	X	X	X	
B-5 (4'-5.5')	8/9/06	1143	Grab SL	G	1	none	X	X	X	
B-5 (8'-10')	8/9/06	1150	Grab SL	G	1	none	X	X	X	
B-4 (0'-1')	8/9/06	1236	Grab SL	G	1	none	X	X	X	
B-4 (3'-5')	8/9/06	1240	Grab SL	G	1	none	X	X	X	
B-4 (5'-8')	8/9/06	1242	Grab SL	G	1	none	X	X	X	
B-6 (1.5'-3')	8/9/06	1305	Grab SL	G	1	none	X	X	X	

Requisitioned by: Sherry Lab Corp Date/Time: 8/14/06 17:05
 Relinquished by: Darlene Swain Date/Time: 8-14-06 17:05
 Received on ice? Yes No
 Temp:

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

2203 S. Madison St. 629 Washington St. 2417 W. Pinhook Rd. 6825 E. 38th Street
 Muncie, In 47302 Columbus, In 47201 Fort Wayne, In 46825 Tulsa, OK 74115
 765-747-9090 812-375-0531 260-471-7000 337-235-0483 918-828-9977
 Fax: 765-747-0228 Fax: 812-375-0731 Fax: 260-471-7777 Fax: 337-233-6540 Fax: 918-828-7756

Part 1 - Laboratory Copy Part 2 - Report Copy Part 3 - Client's Temporary Copy

6/03



Sherry Laboratories - Chain of Custody Record

Laboratory Number: **100080667**

Project Name/Number:
VPSB WhiteLake
9077-040-0800

Company Name: **ICON Environmental**
 Contact Name: **Greg Miller**
 Address: **1055 Convention St., 2nd floor, Baton Rouge LA 70802**
 City, State Zip: **225-344-8490** Ext:
 Phone Number:
 Fax Number:
 E-mail Address:

PO Number:
Quote Number:
Required QC Level:
Bill Monthly: Yes No
Shipping Method: **UPS / FedEx / Airborne**
DHL / Sherry / Hand / Mail

Page **2** of **2**
Turn Time:
 Standard
 1 Day
 2 Day
 Other
 (Rush turn times will incur a surcharge and must be pre-approved by lab.)

Sample ID/Description	Matrix Code:		Container		Requested Tests		Comments
	SO = Soil	O = Oil	Type	Quantity	Pres.	HCl/HNO ₃ /H ₂ SO ₄ (No. of S.O.)	
B-8 (5.5'-7.0')	Grab	SL	G	1	none	X	Metals As, Ba, Cd, Pb, Se, Sr TPH-D/O Method 8015B
B-8 (9.5'-11.5')	Grab	SL	G	1	none	X	
B-15 (4'-6')	Grab	SL	G	1	none	X	
B-15 (8'-11.5')	Grab	SL	G	1	none	X	
B-14 (0'-1')	Grab	SL	G	1	none	X	
B-14 (4'-8')	Grab	SL	G	1	none	X	
	Grab						
	Grab						
	Grab						
	Grab						

Client Information: **ICON Environmental**
 Billing Information: **Greg Miller**
 Date/Time: **8/14/06 1705**
 Date/Time: **8/14/06 1705**
 Received by: **Darlene Sma**
 Date/Time: **8/14/06 1705**
 Received by: **BHNE 1705**

Field Notes:
Received on ice? Yes No
Temp:

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

2203 S. Madison St.
Muncie, In. 47302
765-747-9090
Fax: 765-747-0228

629 Washington St.
Suite 300
Columbus, In. 47201
812-375-0531
Fax: 812-375-0731

2417 W. Pinhook Rd.
Lafayette, LA 70508
337-235-0483
Fax: 337-233-6540

6825 E. 38th Street
Tulsa, OK 74145
918-828-9977
Fax: 918-828-7756

Part 1 - Laboratory Copy Part 2 - Report Copy Part 3 - Client's Temporary Copy

6/03

SAMPLE LOG-IN CHECK LIST

Chain of Custody

Yes	No	N/A	Were seals, if present, intact?
Yes	No		Is Chain of Custody complete? If no, please comment below.
			How was the sample delivered? Sherry FedEx UPS Hand Other: _____

Log In

Yes	No		Was an attempt made to cool the samples? Temperature: <u>4</u> Ambient
Yes	No	N/A	Are samples properly preserved?
			If preservative added to bottles, which bottles? _____
Yes	No	N/A	Is the headspace in the VOA vials less than 1/4 inch or 6 mm?
Yes	No	N/A	Are VOA vials preserved with HCl?
Yes	No		Does paperwork match bottle labels? (Note discrepancies on Chain of Custody)
Yes	No		Are matrices correctly identified on Chain of Custody?
Yes	No		Is it clear what analyses were requested?
Yes	No		Are we able to meet all holding times? (If no, notify customer for authorization.)

Special Handling (if applicable)

Yes	No	N/A	Was client notified of all discrepancies with this order? Person notified: _____ Date: _____ Time: _____ By whom? _____ Via: Phone Fax In Person Regarding: _____ Report / Do Not Report
Yes	No	N/A	Was other special handling completed? Explain: _____

Notes:

No sampler signature.

Customer: Icon Laboratory Work Order # 160801667

Log In Signature: [Signature] Date: 8-14-06 Time: 1705



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(800) 737-2378

Greg Miller
ICON Environmental Services
1055 Convention Street, 2nd Floor
Baton Rouge, LA 708024771
TEL: (225) 344-8490
FAX (225) 344-6654

October 17, 2006
Order No.: L06080668

*cert
wt*

RE: VPSB White Lake

Dear Greg Miller:

Sherry Laboratories/Louisiana received 15 samples on 8/14/2006 for the analyses presented in the following report.

In accordance with your instructions, Sherry Laboratories/Louisiana conducted the analysis shown on the following pages on samples submitted by your company. The results related only to the items tested. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet all requirements of NELAC. All relevant sampling information is on the attached Chain-of-Custody form. A "#" by the test method indicates this parameter is outside the scope of accreditation.

All soil samples except 29-B data are on a wet-weight basis unless otherwise indicated.

Louisiana Certification/Accreditation: 01997

A scope of Certified/Accredited parameters is available upon request.

If you have any questions regarding these test results, please feel free to call.

Sincerely,
Jerry Landry
Laboratory Director

Approved By: *Annie Reedy*
Annie Reedy
Assistant Laboratory Director

Total Pages in this Report 34



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(800) 737-2378

Date: 17-Oct-06

CLIENT: ICON Environmental Services
Project: VPSB White Lake
Lab Order: L06080668

CASE NARRATIVE

Unless specified by the client, a duplicate or MS/MSD, wherever applicable, is randomly selected and analyzed from each analytical batch. The sample chosen for duplicate or MS/MSD may or may not be a sample submitted in this workorder. A method blank and/or a lab control sample (LCS)/lab control sample duplicate (LCSD), wherever applicable, are processed as a quality control check for each analytical batch. When the matrix QC results indicate possible matrix effect, the validity of the batch is determined by the method blank and LCS/LCSD.

Any other exceptions associated with this report will be footnoted in the results page(s) or the QC summary page(s).



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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 17-Oct-06

Lab ID L06080668-01 **Collection Date:** 8/9/2006 1:07:00 PM **Sample ID:** B-6 (3-10.5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	SW8015B 90.6	30-148		%REC	8/18/2006 5:59:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	M4500-CL B 1,380	80.0		mg/Kg-dry	8/29/2006 8:45:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29B 5.17	0.118		mmhos/cm	8/29/2006 12:05:00 PM	CG
PERCENT MOISTURE Percent Moisture	SW9071 # 46.6	0.0100		wt%	8/16/2006	CG
TPH BY GC/FID TPH (Diesel Range)	SW8015B < 10.0	10.0		mg/Kg	8/18/2006 5:59:00 AM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/18/2006 5:59:00 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 17-Oct-06

Lab ID L06080668-02 **Collection Date:** 8/9/2006 1:50:00 PM **Sample ID:** B-7 (1-4')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	M4500-CL B 4,050	400		mg/Kg-dry	8/29/2006 8:45:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29B 8.14	0.109		mmhos/cm	8/29/2006 12:05:00 PM	CG
PERCENT MOISTURE Percent Moisture	SW9071 # 84.0	0.0100		wt%	8/16/2006	CG

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 17-Oct-06

Lab ID L06080668-03 **Collection Date:** 8/9/2006 1:52:00 PM **Sample ID:** B-7 (4-5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	3.63	0.563		mg/Kg	8/25/2006 9:08:55 PM	
Barium	62.2	0.563		mg/Kg	8/25/2006 9:08:55 PM	
Cadmium	0.209	0.056		mg/Kg	8/25/2006 9:08:55 PM	
Lead	7.34	0.282		mg/Kg	8/25/2006 9:08:55 PM	
Selenium	< 1.13	1.13		mg/Kg	8/25/2006 9:08:55 PM	
Strontium	30.8	0.563		mg/Kg	8/25/2006 9:08:55 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	84.6	30-148		%REC	8/18/2006 6:06:00 AM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	2,250	400		mg/Kg-dry	8/29/2006 8:45:00 AM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	12.9	0.155		mmhos/cm	8/29/2006 12:05:00 PM	
PERCENT MOISTURE		SW9071 #				CG
Percent Moisture	56.0	0.0100		wt%	8/16/2006	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/18/2006 6:06:00 AM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/18/2006 6:06:00 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 17-Oct-06

Lab ID L06080668-04 **Collection Date:** 8/9/2006 1:58:00 PM **Sample ID:** B-7 (8-11')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	83.2	30-148		%REC	8/18/2006 6:12:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	440	80.0		mg/Kg-dry	8/29/2006 8:45:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	2.85	0.112		mmhos/cm	8/29/2006 12:05:00 PM	CG
PERCENT MOISTURE Percent Moisture	28.7	0.0100		wt%	8/16/2006	CG
TPH BY GC/FID TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/18/2006 6:12:00 AM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/18/2006 6:12:00 AM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 17-Oct-06

Lab ID L06080668-05 **Collection Date:** 8/9/2006 2:23:00 PM **Sample ID:** B-10 (1.5-4')

Matrix: SLUDGE **Tag Number:** Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	M4500-CL B 2,700	400		mg/Kg-dry	8/29/2006 8:45:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29B 7.34	0.109		mmhos/cm	8/29/2006 12:05:00 PM	CG
PERCENT MOISTURE Percent Moisture	SW9071 # 70.2	0.0100		wt%	8/16/2006	CG

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
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 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 17-Oct-06

Lab ID L06080668-06 **Collection Date:** 8/9/2006 2:26:00 PM **Sample ID:** B-10 (4-7.5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
Arsenic	3.11	0.594		mg/Kg	8/25/2006 9:13:54 PM	
Barium	102	0.594		mg/Kg	8/25/2006 9:13:54 PM	
Cadmium	0.301	0.059		mg/Kg	8/25/2006 9:13:54 PM	
Lead	9.19	0.297		mg/Kg	8/25/2006 9:13:54 PM	
Selenium	< 1.19	1.19		mg/Kg	8/25/2006 9:13:54 PM	
Strontium	23.4	0.594		mg/Kg	8/25/2006 9:13:54 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)						SBH
Surr: n-Pentacosane	80.6	30-148		%REC	8/18/2006 6:19:00 AM	
SOLUBLE CHLORIDE						SP
Chlorides	1,300	80.0		mg/Kg-dry	8/29/2006 8:45:00 AM	
ELECTRICAL CONDUCTIVITY						CG
Electrical Conductivity	8.07	0.141		mmhos/cm	8/29/2006 12:05:00 PM	
PERCENT MOISTURE						CG
Percent Moisture	46.5	0.0100		wt%	8/16/2006	
TPH BY GC/FID						SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/18/2006 6:19:00 AM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/18/2006 6:19:00 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 17-Oct-06

Lab ID L06080668-08 **Collection Date:** 8/9/2006 2:54:00 PM **Sample ID:** B-9 (0.5-3.5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	SW8015B 89.8	30-148		%REC	8/19/2006 2:28:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	M4500-CL B 6,950	400		mg/Kg-dry	8/29/2006 8:45:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29B 16.7	0.119		mmhos/cm	8/29/2006 12:05:00 PM	CG
PERCENT MOISTURE Percent Moisture	SW9071 # 71.1	0.0100		wt%	8/16/2006	CG
TPH BY GC/FID TPH (Diesel Range)	SW8015B < 10.0	10.0		mg/Kg	8/19/2006 2:28:00 PM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 2:28:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 17-Oct-06

Lab ID L06080668-09 **Collection Date:** 8/9/2006 2:58:00 PM **Sample ID:** B-9 (7-8')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	M4500-CL B 1,160	80.0		mg/Kg-dry	8/29/2006 8:45:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29B 7.41	0.155		mmhos/cm	8/29/2006 12:05:00 PM	CG
PERCENT MOISTURE Percent Moisture	SW9071 # 54.4	0.0100		wt%	8/16/2006	CG

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 17-Oct-06

Lab ID L06080668-10 **Collection Date:** 8/9/2006 3:01:00 PM **Sample ID:** B-9 (8-9')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
		SW6010B				
Arsenic	18.2	0.505		mg/Kg	8/25/2006 9:35:53 PM	
Barium	195	0.505		mg/Kg	8/25/2006 9:35:53 PM	
Cadmium	0.549	0.050		mg/Kg	8/25/2006 9:35:53 PM	
Lead	10.5	0.252		mg/Kg	8/25/2006 9:35:53 PM	
Selenium	< 1.01	1.01		mg/Kg	8/25/2006 9:35:53 PM	
Strontium	15.3	0.505		mg/Kg	8/25/2006 9:35:53 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)						SBH
		SW8015B				
Surr: n-Pentacosane	91.9	30-148		%REC	8/19/2006 2:35:00 PM	
SOLUBLE CHLORIDE						SP
		M4500-CL B				
Chlorides	240	40.0		mg/Kg-dry	8/29/2006 8:45:00 AM	
ELECTRICAL CONDUCTIVITY						CG
		29B				
Electrical Conductivity	3.77	0.130		mmhos/cm	8/29/2006 12:05:00 PM	
PERCENT MOISTURE						CG
		SW9071 #				
Percent Moisture	34.5	0.0100		wt%	8/16/2006	
TPH BY GC/FID						SBH
		SW8015B				
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/19/2006 2:35:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 2:35:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 17-Oct-06

Lab ID L06080668-11 **Collection Date:** 8/10/2006 10:05:00 A **Sample ID:** B-12 (0-1.5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	89.1	30-148		%REC	8/19/2006 2:42:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	7,360	526		mg/Kg-dry	8/29/2006 1:30:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	11.4	0.100		mmhos/cm	8/29/2006 12:05:00 PM	CG
PERCENT MOISTURE Percent Moisture	76.8	0.0100		wt%	8/16/2006	CG
TPH BY GC/FID TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/19/2006 2:42:00 PM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 2:42:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time



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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 17-Oct-06

Lab ID L06080668-13 **Collection Date:** 8/10/2006 10:14:00 A **Sample ID:** B-12 (6.5-7.5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
		SW6010B				
Arsenic	3.70	0.518		mg/Kg	8/25/2006 9:45:37 PM	
Barium	123	0.518		mg/Kg	8/25/2006 9:45:37 PM	
Cadmium	2.62	0.052		mg/Kg	8/25/2006 9:45:37 PM	
Lead	12.4	0.259		mg/Kg	8/25/2006 9:45:37 PM	
Selenium	< 1.04	1.04		mg/Kg	8/25/2006 9:45:37 PM	
Strontium	11.6	0.518		mg/Kg	8/25/2006 9:45:37 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)						SBH
		SW8015B				
Surr: n-Pentacosane	89.2	30-148		%REC	8/19/2006 2:55:00 PM	
SOLUBLE CHLORIDE						SP
		M4500-CL B				
Chlorides	690	80.0		mg/Kg-dry	8/29/2006 1:30:00 PM	
ELECTRICAL CONDUCTIVITY						CG
		29B				
Electrical Conductivity	6.55	0.177		mmhos/cm	8/29/2006 12:05:00 PM	
PERCENT MOISTURE						CG
		SW9071 #				
Percent Moisture	24.2	0.0100		wt%	8/16/2006	
TPH BY GC/FID						SBH
		SW8015B				
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/19/2006 2:55:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 2:55:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 17-Oct-06

Lab ID L06080668-14 **Collection Date:** 8/10/2006 12:20:00 P **Sample ID:** B-13 (3-5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
Arsenic	2.04	0.577		mg/Kg	8/25/2006 9:50:39 PM	
Barium	58.9	0.577		mg/Kg	8/25/2006 9:50:39 PM	
Cadmium	0.201	0.058		mg/Kg	8/25/2006 9:50:39 PM	
Lead	7.58	0.289		mg/Kg	8/25/2006 9:50:39 PM	
Selenium	< 1.15	1.15		mg/Kg	8/25/2006 9:50:39 PM	
Strontium	20.8	0.577		mg/Kg	8/25/2006 9:50:39 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)						SBH
Surr: n-Pentacosane	92.4	30-148		%REC	8/19/2006 3:02:00 PM	
SOLUBLE CHLORIDE						SP
Chlorides	1,090	80.0		mg/Kg-dry	8/29/2006 1:30:00 PM	
ELECTRICAL CONDUCTIVITY						CG
Electrical Conductivity	8.20	0.147		mmhos/cm	8/29/2006 12:05:00 PM	
PERCENT MOISTURE						CG
Percent Moisture	52.7	0.0100		wt%	8/17/2006	
TPH BY GC/FID						SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/19/2006 3:02:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 3:02:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
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CLIENT: ICON Environmental Services

Lab Order: L06080668

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 17-Oct-06

Lab ID L06080668-15 **Collection Date:** 8/10/2006 12:24:00 P **Sample ID:** B-13 (7.5-9.5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
		SW6010B				
Arsenic	16.1	0.571		mg/Kg	8/25/2006 9:55:20 PM	
Barium	185	0.571		mg/Kg	8/25/2006 9:55:20 PM	
Cadmium	0.510	0.057		mg/Kg	8/25/2006 9:55:20 PM	
Lead	11.5	0.285		mg/Kg	8/25/2006 9:55:20 PM	
Selenium	< 1.14	1.14		mg/Kg	8/25/2006 9:55:20 PM	
Strontium	11.5	0.571		mg/Kg	8/25/2006 9:55:20 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)						SBH
		SW8015B				
Surr: n-Pentacosane	97.2	30-148		%REC	8/19/2006 3:09:00 PM	
SOLUBLE CHLORIDE						SP
		M4500-CL B				
Chlorides	340	80.0		mg/Kg-dry	8/29/2006 1:30:00 PM	
ELECTRICAL CONDUCTIVITY						CG
		29B				
Electrical Conductivity	5.22	0.138		mmhos/cm	8/29/2006 12:05:00 PM	
PERCENT MOISTURE						CG
		SW9071 #				
Percent Moisture	30.5	0.0100		wt%	8/17/2006	
TPH BY GC/FID						SBH
		SW8015B				
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/19/2006 3:09:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 3:09:00 PM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

Sherry Laboratories/Louisiana

Date: 17-Oct-06

CLIENT: ICON Environmental Services
 Work Order: L06080668
 Project: VPSB White Lake

QC SUMMARY REPORT
 Method Blank

Sample ID	MBLK	Batch ID: 6283	Test Code: SW6010B	Units: mg/Kg	Analysis Date 8/25/2006 8:49:49 PM	Prep Date					
Client ID:			Run ID: I2-OPTIMA_060825A	SeqNo: 714638							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	<0.010	0.010									
Barium	<0.010	0.010									
Cadmium	<0.0010	0.0010									
Lead	<0.0050	0.0050									
Selenium	<0.020	0.020									
Strontium	<0.010	0.010									

Sample ID	BLK 8-17 S	Batch ID: 6285	Test Code: SW8015B	Units: %	Analysis Date 8/18/2006 3:45:00 AM	Prep Date 8/17/2006					
Client ID:			Run ID: G2_060817C	SeqNo: 710739							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	416.3	0	500	0	83.3	30	148	0			

Sample ID	BLK 8-18 S	Batch ID: 6286	Test Code: SW8015B	Units: %	Analysis Date 8/19/2006 2:14:00 PM	Prep Date 8/18/2006					
Client ID:			Run ID: G2_060819B	SeqNo: 711240							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	436.2	0	500	0	87.2	30	148	0			

Sample ID	MB-R4775	Batch ID: R4775	Test Code: M4500-CI B	Units: mg/Kg-dry	Analysis Date 8/29/2006 8:45:00 AM	Prep Date					
Client ID:			Run ID: MAN1-WC_060829A	SeqNo: 715372							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	< 4.0	4.0									

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

CLIENT: ICON Environmental Services
Work Order: L06080668
Project: VPSB White Lake

QC SUMMARY REPORT

Method Blank

Sample ID **MB-R4776** Batch ID: **R4776** Test Code: **M4500-CI B** Units: **mg/Kg-dry** Analysis Date **8/29/2006 1:30:00 PM** Prep Date
 Client ID: Run ID: **MAN1-WC_060829B** SeqNo: **715397**
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Chlorides < 4.0 4.0

Sample ID **BLK 8-17 S** Batch ID: **6285** Test Code: **SW8015B** Units: **mg/Kg** Analysis Date **8/18/2006 3:45:00 AM** Prep Date **8/17/2006**
 Client ID: Run ID: **G2_060817C** SeqNo: **710711**
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 TPH (Diesel Range) < 10 10
 TPH (Oil Range) < 50 50

Sample ID **BLK 8-18 S** Batch ID: **6286** Test Code: **SW8015B** Units: **mg/Kg** Analysis Date **8/19/2006 2:14:00 PM** Prep Date **8/18/2006**
 Client ID: Run ID: **G2_060819B** SeqNo: **711213**
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 TPH (Diesel Range) < 10 10
 TPH (Oil Range) < 50 50

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

Sherry Laboratories/Louisiana

Date: 17-Oct-06

CLIENT: ICON Environmental Services
Work Order: L06080668
Project: VPSB White Lake

QC SUMMARY REPORT
 Sample Duplicate

Sample ID	L06080668-05ADU	Batch ID:	R47876	Test Code:	29B	Units:	mmhos/cm	Analysis Date	8/29/2006 12:05:00 PM	Prep Date										
Client ID:	B-10 (1.5-4')	Run ID:	MAN1-WC_060829E	SeqNo:	727052															
Analyte	Electrical Conductivity	Result	7.926	PQL	0.12	SPK value	0	%REC	0	LowLimit	0	HighLimit	0	RPD Ref Val	7.344	%RPD	7.62	RPDLimit	20	Qual

Sample ID	L06080668-05ADU	Batch ID:	R47876	Test Code:	29B	Units:	mmhos/cm	Analysis Date	8/29/2006 12:05:00 PM	Prep Date										
Client ID:		Run ID:	MAN1-WC_060829E	SeqNo:	727228															
Analyte	Electrical Conductivity	Result	7.318	PQL	0.10	SPK value	0	%REC	0	LowLimit	0	HighLimit	0	RPD Ref Val	7.004	%RPD	4.39	RPDLimit	20	Qual

Sample ID	L06080668-05ADU	Batch ID:	R47667	Test Code:	SW9071 #	Units:	wt%	Analysis Date	8/16/2006	Prep Date										
Client ID:	B-10 (1.5-4')	Run ID:	MAN1-WC_060816L	SeqNo:	713710															
Analyte	Percent Moisture	Result	65.9	PQL	0.010	SPK value	0	%REC	0	LowLimit	0	HighLimit	0	RPD Ref Val	70.2	%RPD	6.32	RPDLimit	20	Qual

Sample ID	L06080668-05ADU	Batch ID:	R47947	Test Code:	SW9071 #	Units:	wt%	Analysis Date	8/17/2006	Prep Date										
Client ID:		Run ID:	MAN1-WC_060817S	SeqNo:	717548															
Analyte	Percent Moisture	Result	83.9	PQL	0.010	SPK value	0	%REC	0	LowLimit	0	HighLimit	0	RPD Ref Val	78.4	%RPD	6.78	RPDLimit	20	Qual

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

Sherry Laboratories/Louisiana

Date: 17-Oct-06

CLIENT: ICON Environmental Services
 Work Order: L06080668
 Project: VPSB White Lake

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID	L06080740-01CM	Batch ID:	6283	Test Code:	SW6010B	Units:	mg/Kg	Analysis Date	8/25/2006 10:48:48 PM	Prep Date	8/18/2006
Client ID:		Run ID:	I2-OPTIMA_060825A	SeqNo:	714658						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	38.84	0.55	27.6	6.708	116	75	125	0			
Barium	171.3	0.55	27.6	113.4	210	75	125	0			S
Cadmium	29.62	0.055	27.6	0.3595	106	75	125	0			
Lead	39.38	0.28	27.6	8.529	112	75	125	0			
Selenium	20.83	1.1	27.6	0	75.5	75	125	0			
Strontium	46.15	0.55	27.6	16.76	106	75	125	0			

Sample ID	L06080740-01CM	Batch ID:	6283	Test Code:	SW6010B	Units:	mg/Kg	Analysis Date	8/25/2006 10:54:02 PM	Prep Date	8/18/2006
Client ID:		Run ID:	I2-OPTIMA_060825A	SeqNo:	714659						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	39.91	0.55	27.52	6.708	121	75	125	38.84	2.71	20	
Barium	173.5	0.55	27.52	113.4	218	75	125	171.3	1.28	20	S
Cadmium	30.03	0.055	27.52	0.3595	108	75	125	29.62	1.38	20	
Lead	39.93	0.28	27.52	8.529	114	75	125	39.38	1.37	20	
Selenium	21.95	1.1	27.52	0	79.7	75	125	20.83	5.23	20	
Strontium	46.87	0.55	27.52	16.76	109	75	125	46.15	1.56	20	

Sample ID	L06080666-01AM	Batch ID:	6285	Test Code:	SW8015B	Units:	%	Analysis Date	8/18/2006 2:58:00 AM	Prep Date	8/17/2006
Client ID:		Run ID:	G2_060817C	SeqNo:	710733						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	433.8	0	500	0	86.8	30	148	0			

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

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

CLIENT: ICON Environmental Services
Work Order: L06080668
Project: VPSB White Lake

Sample ID	L06080666-01AM	Batch ID:	6285	Test Code:	SW8015B	Units:	%	Analysis Date	8/18/2006 3:05:00 AM	Prep Date	8/17/2006
Client ID:		Run ID:	G2_060817C <th>SeqNo:</th> <td>710734</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	SeqNo:	710734						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	447.5	0	500	0	89.5	30	148	0			

Sample ID	L06080666-01AM	Batch ID:	6285	Test Code:	SW8015B	Units:	%	Analysis Date	8/18/2006 3:25:00 AM	Prep Date	8/17/2006
Client ID:		Run ID:	G2_060817C <th>SeqNo:</th> <td>710737</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	SeqNo:	710737						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	437.7	0	500	0	87.5	30	148	0			

Sample ID	L06080666-01AM	Batch ID:	6285	Test Code:	SW8015B	Units:	%	Analysis Date	8/18/2006 3:32:00 AM	Prep Date	8/17/2006
Client ID:		Run ID:	G2_060817C <th>SeqNo:</th> <td>710738</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	SeqNo:	710738						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	454	0	500	0	90.8	30	148	0			

Sample ID	L06080668-13AM	Batch ID:	6286	Test Code:	SW8015B	Units:	%	Analysis Date	8/19/2006 1:26:00 PM	Prep Date	8/18/2006
Client ID:	B-12 (6.5-7.5)	Run ID:	G2_060819B	SeqNo:	711234						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	483.8	0	500	0	96.8	30	148	0			

Sample ID	L06080668-13AM	Batch ID:	6286	Test Code:	SW8015B	Units:	%	Analysis Date	8/19/2006 1:33:00 PM	Prep Date	8/18/2006
Client ID:	B-12 (6.5-7.5)	Run ID:	G2_060819B	SeqNo:	711235						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	415.2	0	500	0	83	30	148	0			

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

CLIENT: ICON Environmental Services
Work Order: L06080668
Project: VPSB White Lake

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID	L06080668-13AM	Batch ID:	6286	Test Code:	SW8015B	Units:	%	Analysis Date	8/19/2006 1:53:00 PM	Prep Date	8/18/2006	
Client ID:	B-12 (6.5-7.5')	Run ID:	G2_060819B	SeqNo:	711238	LowLimit	HighLimit	RPD Ref Val	%RCD	RPDLimit	Qual	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RCD	RPDLimit	Qual
Surr: n-Pentacosane		453.4	0	500	0	90.7	30	148	0			

Sample ID	L06080668-13AM	Batch ID:	6286	Test Code:	SW8015B	Units:	%	Analysis Date	8/19/2006 2:00:00 PM	Prep Date	8/18/2006	
Client ID:	B-12 (6.5-7.5')	Run ID:	G2_060819B	SeqNo:	711239	LowLimit	HighLimit	RPD Ref Val	%RCD	RPDLimit	Qual	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit <td>HighLimit</td> <td>RPD Ref Val</td> <td>%RCD</td> <td>RPDLimit</td> <td>Qual</td>	HighLimit	RPD Ref Val	%RCD	RPDLimit	Qual
Surr: n-Pentacosane		428.6	0	500	0	85.7	30	148	0			

Sample ID	L06080666-05AM	Batch ID:	R47775	Test Code:	M4500-CI B	Units:	mg/Kg-dry	Analysis Date	8/29/2006 8:45:00 AM	Prep Date		
Client ID:		Run ID:	MAN1-WC_060829A	SeqNo:	715395	LowLimit	HighLimit	RPD Ref Val	%RCD	RPDLimit	Qual	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit <td>HighLimit</td> <td>RPD Ref Val</td> <td>%RCD <td>RPDLimit</td> <td>Qual</td> </td>	HighLimit	RPD Ref Val	%RCD <td>RPDLimit</td> <td>Qual</td>	RPDLimit	Qual
Chlorides		7200	400	5263	2700	85.5	80	120	0			

Sample ID	L06080666-05AM	Batch ID:	R47775	Test Code:	M4500-CI B	Units:	mg/Kg-dry	Analysis Date	8/29/2006 8:45:00 AM	Prep Date		
Client ID:		Run ID:	MAN1-WC_060829A	SeqNo:	715396	LowLimit	HighLimit	RPD Ref Val	%RCD	RPDLimit	Qual	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit <td>HighLimit</td> <td>RPD Ref Val</td> <td>%RCD <td>RPDLimit</td> <td>Qual</td> </td>	HighLimit	RPD Ref Val	%RCD <td>RPDLimit</td> <td>Qual</td>	RPDLimit	Qual
Chlorides		7250	400	5263	2700	86.5	80	120	7200	0.692	20	

Sample ID	L06080669-05AM	Batch ID:	R47776	Test Code:	M4500-CI B	Units:	mg/Kg-dry	Analysis Date	8/29/2006 1:30:00 PM	Prep Date		
Client ID:		Run ID:	MAN1-WC_060829B	SeqNo:	715420	LowLimit	HighLimit	RPD Ref Val	%RCD	RPDLimit	Qual	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit <td>HighLimit</td> <td>RPD Ref Val</td> <td>%RCD <td>RPDLimit</td> <td>Qual</td> </td>	HighLimit	RPD Ref Val	%RCD <td>RPDLimit</td> <td>Qual</td>	RPDLimit	Qual
Chlorides		7350	400	5263	2400	94.1	80	120	0			

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

CLIENT: ICON Environmental Services
Work Order: L06080668
Project: VPSB White Lake

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID	L06080669-05AM	Batch ID:	R47776	Test Code:	M4500-CI B	Units:	mg/Kg-dry	Analysis Date	8/29/2006 1:30:00 PM	Prep Date								
Client ID:		Run ID:	MAN1-WC_060829B	SeqNo:	715421													
Analyte	Result	PQL	400	SPK value	2400	%REC	96.9	LowLimit	80	HighLimit	120	RPD Ref Val	7350	%RPD	2.02	RPDLimit	20	Qual
Chlorides	7500			5263														

Sample ID	L06080666-01AM	Batch ID:	6285	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/18/2006 2:58:00 AM	Prep Date								
Client ID:		Run ID:	G2_060817C	SeqNo:	710705													
Analyte	Result	PQL	10	SPK value	100	%REC	81.7	LowLimit	43.2	HighLimit	135	RPD Ref Val	0	%RPD		RPDLimit		Qual
TPH (Diesel Range)	81.67																	

Sample ID	L06080666-01AM	Batch ID:	6285	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/18/2006 3:05:00 AM	Prep Date								
Client ID:		Run ID:	G2_060817C	SeqNo:	710706													
Analyte	Result	PQL	10	SPK value	100	%REC	78.2	LowLimit	43.2	HighLimit	135	RPD Ref Val	81.67	%RPD	4.32	RPDLimit	40	Qual
TPH (Diesel Range)	78.22																	

Sample ID	L06080666-01AM	Batch ID:	6285	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/18/2006 3:25:00 AM	Prep Date								
Client ID:		Run ID:	G2_060817C	SeqNo:	710709													
Analyte	Result	PQL	50	SPK value	100	%REC	95.7	LowLimit	43.2	HighLimit	135	RPD Ref Val	0	%RPD		RPDLimit		Qual
TPH (Oil Range)	95.66																	

Sample ID	L06080666-01AM	Batch ID:	6285	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/18/2006 3:32:00 AM	Prep Date								
Client ID:		Run ID:	G2_060817C	SeqNo:	710710													
Analyte	Result	PQL	50	SPK value	100	%REC	99.8	LowLimit	43.2	HighLimit	135	RPD Ref Val	95.66	%RPD	4.19	RPDLimit	40	Qual
TPH (Oil Range)	99.75																	

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

QC SUMMARY REPORT

Sample Matrix Spike

CLIENT: ICON Environmental Services
Work Order: L06080668
Project: VPSB White Lake

Sample ID	L06080668-13AM	Batch ID:	6286	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/19/2006 1:26:00 PM	Prep Date	8/18/2006
Client ID:	B-12 (6.5-7.5')	Run ID:	G2_060819B	SeqNo:	711207						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	83.58	10	100	0	83.6	43.2	135	0			

Sample ID	L06080668-13AM	Batch ID:	6286	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/19/2006 1:33:00 PM	Prep Date	8/18/2006
Client ID:	B-12 (6.5-7.5')	Run ID:	G2_060819B	SeqNo:	711208						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	71.87	10	100	0	71.9	43.2	135	83.58	15.1	40	

Sample ID	L06080668-13AM	Batch ID:	6286	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/19/2006 1:53:00 PM	Prep Date	8/18/2006
Client ID:	B-12 (6.5-7.5')	Run ID:	G2_060819B	SeqNo:	711211						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	97.38	50	100	0	97.4	43.2	135	0			

Sample ID	L06080668-13AM	Batch ID:	6286	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/19/2006 2:00:00 PM	Prep Date	8/18/2006
Client ID:	B-12 (6.5-7.5')	Run ID:	G2_060819B	SeqNo:	711212						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	86.44	50	100	0	86.4	43.2	135	97.38	11.9	40	

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

Date: 17-Oct-06

Sherry Laboratories/Louisiana

CLIENT: ICON Environmental Services
Work Order: L06080668
Project: VPSB White Lake

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID	LCS LOT # 05F20	Batch ID: 6283	Test Code: SW6010B	Units: mg/Kg	Analysis Date 8/25/2006 8:58:57 PM	Prep Date					
Client ID:	Run ID: I2-OPTIMA_060825A		SeqNo: 714640								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5034	0.010	0.5	0	101	75	125	0			
Barium	0.4915	0.010	0.5	0	98.3	75	125	0			
Cadmium	0.4933	0.0010	0.5	0	98.7	75	125	0			
Lead	0.4978	0.0050	0.5	0	99.6	75	125	0			
Selenium	0.4877	0.020	0.5	0	97.5	75	125	0			
Strontium	0.4887	0.010	0.5	0	97.7	75	125	0			

Sample ID	LCSD LOT # 05F2	Batch ID: 6283	Test Code: SW6010B	Units: mg/Kg	Analysis Date 8/25/2006 9:03:56 PM	Prep Date					
Client ID:	Run ID: I2-OPTIMA_060825A		SeqNo: 714641								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5047	0.010	0.5	0	101	75	125	0.4975	1.43	20	
Barium	0.491	0.010	0.5	0	98.2	75	125	0.4966	1.13	20	
Cadmium	0.491	0.0010	0.5	0	98.2	75	125	0.4966	1.13	20	
Lead	0.4999	0.0050	0.5	0	100	75	125	0.496	0.775	20	
Selenium	0.4987	0.020	0.5	0	99.7	75	125	0.4829	3.21	20	
Strontium	0.4907	0.010	0.5	0	98.1	75	125	0.4927	0.403	20	

Sample ID	LCS-D 8-17 S	Batch ID: 6285	Test Code: SW8015B	Units: %	Analysis Date 8/18/2006 2:45:00 AM	Prep Date 8/17/2006					
Client ID:	Run ID: G2_060817C		SeqNo: 710731								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	450.1	0	500	0	90	30	148	0			

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

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

B - Analyte detected in the associated Method Blank
9

CLIENT: ICON Environmental Services
Work Order: L06080668
Project: VPSB White Lake

QC SUMMARY REPORT
 Laboratory Control Spike Duplicate

Sample ID	LCSD-D 8-17 S	Batch ID:	6285	Test Code:	SW8015B	Units:	%	Analysis Date	8/18/2006 2:51:00 AM	Prep Date	8/17/2006
Client ID:		Run ID:	G2_060817C <th>SeqNo:</th> <td>710732</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	SeqNo:	710732						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	453.7	0	500	0	90.7	30	148	0			

Sample ID	LCS-MO 8-17 S	Batch ID:	6285	Test Code:	SW8015B	Units:	%	Analysis Date	8/18/2006 3:11:00 AM	Prep Date	8/17/2006
Client ID:		Run ID:	G2_060817C <th>SeqNo:</th> <td>710735</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	SeqNo:	710735						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	445.4	0	500	0	89.1	30	148	0			

Sample ID	LCSD-MO 8-17 S	Batch ID:	6285	Test Code:	SW8015B	Units:	%	Analysis Date	8/18/2006 3:18:00 AM	Prep Date	8/17/2006
Client ID:		Run ID:	G2_060817C <th>SeqNo:</th> <td>710736</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	SeqNo:	710736						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	385.5	0	500	0	77.1	30	148	0			

Sample ID	LCS-D 8-18 S	Batch ID:	6286	Test Code:	SW8015B	Units:	%	Analysis Date	8/19/2006 1:13:00 PM	Prep Date	8/18/2006
Client ID:		Run ID:	G2_060819B <th>SeqNo:</th> <td>711232</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	SeqNo:	711232						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	476.1	0	500	0	95.2	30	148	0			

Sample ID	LCSD-D 8-18 S	Batch ID:	6286	Test Code:	SW8015B	Units:	%	Analysis Date	8/19/2006 1:19:00 PM	Prep Date	8/18/2006
Client ID:		Run ID:	G2_060819B <th>SeqNo:</th> <td>711233</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	SeqNo:	711233						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	456	0	500	0	91.2	30	148	0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits /0

CLIENT: ICON Environmental Services
Work Order: L06080668
Project: VPSB White Lake

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID	LCS-MO 8-18 S	Batch ID:	6286	Test Code:	SW8015B	Units:	%	Analysis Date	8/19/2006 1:40:00 PM	Prep Date	8/18/2006
Client ID:		Run ID:	G2_060819B	SeqNo:	711236						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	416.2	0	500	0	83.2	30	148	0			

Sample ID	LCS-MO 8-18 S	Batch ID:	6286	Test Code:	SW8015B	Units:	%	Analysis Date	8/19/2006 1:47:00 PM	Prep Date	8/18/2006
Client ID:		Run ID:	G2_060819B	SeqNo:	711237						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	454.5	0	500	0	90.9	30	148	0			

Sample ID	LCS-R47775	Batch ID:	R47775	Test Code:	M4500-CI B	Units:	mg/Kg-dry	Analysis Date	8/29/2006 8:45:00 AM	Prep Date	
Client ID:		Run ID:	MAN1-WC_060829A	SeqNo:	715373						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	980	4.0	1000	1.5	97.9	80	120	0			

Sample ID	LCS-MO 8-18 S	Batch ID:	6286	Test Code:	SW8015B	Units:	%	Analysis Date	8/19/2006 1:47:00 PM	Prep Date	8/18/2006
Client ID:		Run ID:	G2_060819B	SeqNo:	711236						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	416.2	0	500	0	83.2	30	148	0			

Sample ID	LCS-R47775	Batch ID:	R47775	Test Code:	M4500-CI B	Units:	mg/Kg-dry	Analysis Date	8/29/2006 8:45:00 AM	Prep Date	
Client ID:		Run ID:	MAN1-WC_060829A	SeqNo:	715394						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	1010	4.0	1000	0	101	80	120	980	3.02	20	

Sample ID	LCS-R47776	Batch ID:	R47776	Test Code:	M4500-CI B	Units:	mg/Kg-dry	Analysis Date	8/29/2006 1:30:00 PM	Prep Date	
Client ID:		Run ID:	MAN1-WC_060829B	SeqNo:	715398						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	960	4.0	1000	1.8	95.8	80	120	0			

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

CLIENT: ICON Environmental Services
Work Order: L06080668
Project: VPSB White Lake

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID **LCSD** Batch ID: **R47776** Test Code: **M4500-CI B** Units: **mg/Kg-dry** Analysis Date **8/29/2006 1:30:00 PM** Prep Date
 Client ID: Run ID: **MAN1-WC_060829B** SeqNo: **715419**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	1010	4.0	1000	0	101	80	120	960	5.08	20	

Sample ID **LCS-R47876** Batch ID: **R47876** Test Code: **29B** Units: **mmhos/cm** Analysis Date **8/29/2006 12:05:00 PM** Prep Date
 Client ID: Run ID: **MAN1-WC_060829E** SeqNo: **716718**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	0.481	0.10	0.449	0	107	80	120	0			

Sample ID **LCS-R47876** Batch ID: **R47876** Test Code: **29B** Units: **mmhos/cm** Analysis Date **8/29/2006 12:05:00 PM** Prep Date
 Client ID: Run ID: **MAN1-WC_060829E** SeqNo: **727053**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Electrical Conductivity	0.465	0.10	0.449	0	104	80	120	0			

Sample ID **LCS-D 8-17 S** Batch ID: **6285** Test Code: **SW8015B** Units: **mg/Kg** Analysis Date **8/18/2006 2:45:00 AM** Prep Date **8/17/2006**
 Client ID: Run ID: **G2_060817C** SeqNo: **710703**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	80.03	10	100	0	80	43.2	135	0			

Sample ID **LCSD-D 8-17 S** Batch ID: **6285** Test Code: **SW8015B** Units: **mg/Kg** Analysis Date **8/18/2006 2:51:00 AM** Prep Date **8/17/2006**
 Client ID: Run ID: **G2_060817C** SeqNo: **710704**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	77	10	100	0	77	43.2	135	80.03	3.86	40	

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

CLIENT: ICON Environmental Services

Work Order: L06080668

Project: VPSB White Lake

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID	LCS-MO 8-17 S	Batch ID:	6285	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/18/2006 3:11:00 AM	Prep Date	8/17/2006			
Client ID:		Run ID:	G2_060817C	SeqNo:	710707									
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)		97.19		50	100	0		97.2	43.2	135	0			

Sample ID	LCSD-MO 8-17 S	Batch ID:	6285	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/18/2006 3:18:00 AM	Prep Date	8/17/2006			
Client ID:		Run ID:	G2_060817C	SeqNo:	710708									
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)		91.44		50	100	0		91.4	43.2	135	97.19	6.1	40	

Sample ID	LCS-D 8-18 S	Batch ID:	6286	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/19/2006 1:13:00 PM	Prep Date	8/18/2006			
Client ID:		Run ID:	G2_060819B	SeqNo:	711205									
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)		84.82		10	100	0		84.8	43.2	135	0			

Sample ID	LCSD-D 8-18 S	Batch ID:	6286	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/19/2006 1:19:00 PM	Prep Date	8/18/2006			
Client ID:		Run ID:	G2_060819B	SeqNo:	711206									
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)		78.93		10	100	0		78.9	43.2	135	84.82	7.2	40	

Sample ID	LCS-MO 8-18 S	Batch ID:	6286	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/19/2006 1:40:00 PM	Prep Date	8/18/2006			
Client ID:		Run ID:	G2_060819B	SeqNo:	711209									
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)		90.2		50	100	0		90.2	43.2	135	0			

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

CLIENT: ICON Environmental Services

Work Order: L06080668

Project: VPSB White Lake

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID **LCSD-MO 8-18 S** Batch ID: **6286** Test Code: **SW8015B** Units: **mg/Kg** Analysis Date **8/19/2006 1:47:00 PM** Prep Date **8/18/2006**

Client ID: Run ID: **G2_060819B** SeqNo: **711210**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	93.25	50	100	0	93.2	43.2	135	90.2	3.33	40	

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

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

B - Analyte detected in the associated Method Blank
/ 4

Sherry Laboratories - Chain of Custody Record



Laboratory Number: **66050000**

Client Information: **ICON Environmental**
Greg Miller
1055 Conventon St.
2nd floor
Baton Rouge LA 70802
226-344-8490

Billing Information: **SAME**

PO Number: **9077-041-0800**
Quote Number:
Required QC Level:

Project Name/Number: **VPSB White Lake**
Sampler's Signature:
Shipping Method: **UPS / FedEx / Airborne**
DHL / Sherry / Hand / Mail

Page 1 of 2
Turn Time:
 Standard
 1 Day
 2 Day
 Other
 (Rush turn times will incur a surcharge and must be pre-approved by lab.)

Ext:
Ext:

City, State Zip:
Phone Number:
Fax Number:
E-mail Address:

Sample ID/Description	Which Regulations Apply:				Matrix Code:			Container		Requested Tests				Comments
	<input type="checkbox"/> RCRA	<input type="checkbox"/> Drinking Water	<input type="checkbox"/> Distribution	<input type="checkbox"/> Special	AQ = Aqueous	SO = Soil	O = Oil	Type	Quantity	Pres.	CI/EC	TPH-D/O	Metals	
B-6 (3'-10.5')	<input type="checkbox"/> POTW	<input type="checkbox"/> NPDES	<input type="checkbox"/> USDA/FDA	<input type="checkbox"/> RECAP/RISC	8/9/06 13:07	Grab	SL	G	1	none	X	X	X	Metals As, Ba, Cd Pb, Se, Sr TPH-D/O Method 8015 B
B-7 (1'-4')					8/9/06 13:50	Grab		G	1	none	X	X	X	
B-7 (4'-5')					13:52	Grab		G	1	none	X	X	X	
B-7 (8'-11')					13:58	Grab		G	1	none	X	X	X	
B-10 (1.5'-4')					14:23	Grab		G	1	none	X	X	X	
B-10 (4'-7.5')					14:26	Grab		G	1	none	X	X	X	
B-9 (0'-0.5')					14:51	Grab		G	1	none	X	X	X	
B-9 (0.5'-3.5')					14:54	Grab		G	1	none	X	X	X	
B-9 (7'-8')					14:58	Grab		G	1	none	X	X	X	
B-9 (8'-9')					15:01	Grab	SL	G	1	none	X	X	X	

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
				Received on ice? <input type="checkbox"/> Yes <input type="checkbox"/> No
				Temp:

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

2203 S. Madison St.
 Muncie, IN 47302
 765-747-9000
 Fax: 765-747-0228

629 Washington St.
 Suite 300
 Columbus, IN 47201
 812-375-0531
 Fax: 812-375-0731

2417 W. Pinhook Rd.
 Lafayette, LA 70508
 337-235-0483
 Fax: 337-233-6540

6825 E. 38th Street
 Tulsa, OK 74145
 918-828-9977
 Fax: 918-828-7756

Part 1 - Laboratory Copy Part 2 - Report Copy Part 3 - Client's Temporary Copy

6/03



Sherry Laboratories - Chain of Custody

Entered

Laboratory Number: **Lab 8015B only**

Project Name/Number: **VPSB WHITE LAKE**
Sampler's Signature: *[Signature]*

Client Information: **ICON Environmental**
 Billing Information: **SAME**
 Contact Name: **Greg Miller**
 Address: **1055 Convent ion St., 2nd floor**
 City, State Zip: **Baton Rouge LA 70802**
 Phone Number: **225-344-8490** Ext:
 Fax Number:
 E-mail Address:

PO Number:
 Quote Number:
 Required QC Level:
 Bill Monthly:
 Yes
 No
 Shipping Method:
 UPS / FedEx / Airborne
 DHL / Sherry / Hand / Mail

Page **2** of **2**
 Turn Time:
 Standard
 1 Day
 2 Day
 Other
 (Rush turn times will incur a surcharge and must be pre-approved by lab.)

Sample ID/Description	Matrix Code:		Date	Time	Matrix	Quantity	Container		Pres.	Requested Tests				Comments
	AQ = Aqueous	SO = Soil					Type	Volume		HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₈	C/IEC	TPH-D/O	Metals	
B-12 (0'-1.5')	<input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input type="checkbox"/> NPDES <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC	<input type="checkbox"/> Drinking Water <input type="checkbox"/> Distribution <input type="checkbox"/> Special <input type="checkbox"/> State <input type="checkbox"/> Other	8/10/06	10:05	Grab	1	G	none	X	X	X	X	Metals As, Ba, Cd, Pb, Se, Sr TPH-D/O Method 8015B	
B-12 (3.5'-5')			↓	10:10	Grab	1	G	none	X	X	X			
B-12 (6.5'-7.5')			↓	10:14	Grab	1	G	none	X	X	X			
B-13 (3'-5')			↓	12:20	Grab	1	G	none	X	X	X			
B-13 (7.5'-9.5')			↓	12:24	Grab	1	G	none	X	X	X			
					Grab	1	G	none						
					Grab	1	G	none						
					Grab	1	G	none						
					Grab	1	G	none						

Relinquished by	Date/Time	Received by	Date/Time	Field Notes
<i>[Signature]</i>	8/14/06 1:05	<i>[Signature]</i>	8-14-06 @ 17:05	
				Received on ice? <input type="checkbox"/> Yes <input type="checkbox"/> No
				Temp:

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

2203 S. Madison St.
 Muncie, IN 47302
 765-747-9000
 Fax: 765-747-0228

629 Washington St.
 Suite 300
 Columbus, IN 47201
 812-375-0531
 Fax: 812-375-0731

2417 W. Pinhook Rd.
 Lafayette, LA 70508
 337-235-0483
 Fax: 337-233-6540

6825 E. 38th Street
 Tulsa, OK 74145
 918-828-9977
 Fax: 918-828-7756

Part 1 - Laboratory Copy Part 2 - Report Copy Part 3 - Client's Temporary Copy

SAMPLE LOG-IN CHECK LIST

Chain of Custody

Yes	No	N/A	Were seals, if present, intact?
Yes	No		Is Chain of Custody complete? If no, please comment below.
			How was the sample delivered? Sherry FedEx UPS <u>Hand</u> Other: _____

Log In

<u>Yes</u>	No		Was an attempt made to cool the samples? Temperature: <u>4</u> Ambient
<u>Yes</u>	No	N/A	Are samples properly preserved?
			If preservative added to bottles, which bottles? _____
Yes	No	N/A	Is the headspace in the VOA vials less than ¼ inch or 6 mm?
Yes	No	N/A	Are VOA vials preserved with HCl?
<u>Yes</u>	No		Does paperwork match bottle labels? (Note discrepancies on Chain of Custody)
<u>Yes</u>	No		Are matrices correctly identified on Chain of Custody?
<u>Yes</u>	No		Is it clear what analyses were requested?
<u>Yes</u>	No		Are we able to meet all holding times? (If no, notify customer for authorization.)

Special Handling (if applicable)

Yes	No	N/A	Was client notified of all discrepancies with this order? Person notified: _____ Date: _____ Time: _____ By whom? _____ Via: Phone Fax In Person Regarding: _____ Report / Do Not Report
Yes	No	N/A	Was other special handling completed? Explain: _____

Notes:

No sampler signature

Customer: Iconq Laboratory Work Order # 6080668
 Log In Signature: B. Breda Date: 8-14-06 Time: 1705



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Greg Miller
ICON Environmental Services
1055 Convention Street, 2nd Floor
Baton Rouge, LA 708024771
TEL: (225) 344-8490
FAX (225) 344-6654

*over
at*

September 13, 2006
Order No.: L06080667

RE: VPSB White Lake

Dear Greg Miller:

Sherry Laboratories/Louisiana received 15 samples on 8/14/2006 for the analyses presented in the following report.

In accordance with your instructions, Sherry Laboratories/Louisiana conducted the analysis shown on the following pages on samples submitted by your company. The results related only to the items tested. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet all requirements of NELAC. All relevant sampling information is on the attached Chain-of-Custody form. A "#" by the test method indicates this parameter is outside the scope of accreditation.

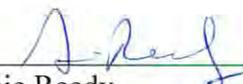
All soil samples except 29-B data are on a wet-weight basis unless otherwise indicated.

Louisiana Certification/Accreditation: 01997

A scope of Certified/Accredited parameters is available upon request.

If you have any questions regarding these test results, please feel free to call.

Sincerely,
Jerry Landry
Laboratory Director

Approved By: 
Annie Reedy
Assistant Laboratory Director

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CLIENT: ICON Environmental Services
Lab Order: L06080667
Project: VPSB White Lake

Date Received: 8/14/2006
Date Reported: 13-Sep-06

Lab ID: L06080667-01 **Collection Date:** 8/9/2006 11:10:00 AM **Sample ID:** B-3 (9-12')
Matrix: SLUDGE **Tag Number:** Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP						STS
Arsenic	3.56	0.597		mg/Kg	8/25/2006 7:51:32 PM	
Barium	61.2	0.597		mg/Kg	8/25/2006 7:51:32 PM	
Cadmium	0.231	0.060		mg/Kg	8/25/2006 7:51:32 PM	
Lead	8.69	0.299		mg/Kg	8/25/2006 7:51:32 PM	
Selenium	< 1.19	1.19		mg/Kg	8/25/2006 7:51:32 PM	
Strontium	16.4	0.597		mg/Kg	8/25/2006 7:51:32 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)						SBH
Surr: n-Pentacosane	84.3	30-148		%REC	8/18/2006 4:31:00 AM	
SOLUBLE CHLORIDE						SP
Chlorides	2,250	400		mg/Kg-dry	8/28/2006 3:50:00 PM	
ELECTRICAL CONDUCTIVITY						CG
Electrical Conductivity	5.57	0.100		mmhos/cm	8/25/2006 9:30:00 AM	
TPH BY GC/FID						SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/18/2006 4:31:00 AM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/18/2006 4:31:00 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time

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CLIENT: ICON Environmental Services
Lab Order: L06080667
Project: VPSB White Lake

Date Received: 8/14/2006
Date Reported: 13-Sep-06

Lab ID: L06080667-02 **Collection Date:** 8/9/2006 11:06:00 AM **Sample ID:** B-3 (4-7')
Matrix: SLUDGE **Tag Number:** Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	M4500-CL B 4,150	400		mg/Kg-dry	8/28/2006 3:50:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29B 13.2	0.100		mmhos/cm	8/25/2006 9:30:00 AM	CG

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time

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CLIENT: ICON Environmental Services
Lab Order: L06080667
Project: VPSB White Lake

Date Received: 8/14/2006
Date Reported: 13-Sep-06

Lab ID: L06080667-03 **Collection Date:** 8/9/2006 11:37:00 AM **Sample ID:** B-5 (0-1.5')
Matrix: SLUDGE **Tag Number:** Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	66.5	30-148		%REC	8/18/2006 4:38:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	5,800	400		mg/Kg-dry	8/28/2006 3:50:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	12.4	0.100		mmhos/cm	8/25/2006 9:30:00 AM	CG
TPH BY GC/FID						SBH
TPH (Diesel Range)	112	10.0		mg/Kg	8/18/2006 4:38:00 AM	
TPH (Oil Range)	139	50.0		mg/Kg	8/18/2006 4:38:00 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time

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CLIENT: ICON Environmental Services
Lab Order: L06080667
Project: VPSB White Lake

Date Received: 8/14/2006
Date Reported: 13-Sep-06

Lab ID: L06080667-04 **Collection Date:** 8/9/2006 11:43:00 AM **Sample ID:** B-5 (4-5.5')
Matrix: SLUDGE **Tag Number:** Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
SOLUBLE CHLORIDE Chlorides	M4500-CL B 2,300	400		mg/Kg-dry	8/28/2006 3:50:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	29B 7.07	0.100		mmhos/cm	8/25/2006 9:30:00 AM	CG

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time

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CLIENT: ICON Environmental Services

Lab Order: L06080667

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 13-Sep-06

Lab ID: L06080667-05 **Collection Date:** 8/9/2006 11:50:00 AM **Sample ID:** B-5 (8-10')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	2.52	0.578		mg/Kg	8/25/2006 7:56:11 PM	
Barium	64.6	0.578		mg/Kg	8/25/2006 7:56:11 PM	
Cadmium	0.185	0.058		mg/Kg	8/25/2006 7:56:11 PM	
Lead	5.43	0.289		mg/Kg	8/25/2006 7:56:11 PM	
Selenium	< 1.16	1.16		mg/Kg	8/25/2006 7:56:11 PM	
Strontium	15.1	0.578		mg/Kg	8/25/2006 7:56:11 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	3,550	400		mg/Kg-dry	8/28/2006 3:50:00 PM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	9.01	0.100		mmhos/cm	8/25/2006 9:30:00 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
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CLIENT: ICON Environmental Services
Lab Order: L06080667
Project: VPSB White Lake

Date Received: 8/14/2006
Date Reported: 13-Sep-06

Lab ID: L06080667-06 **Collection Date:** 8/9/2006 12:36:00 PM **Sample ID:** B-4 (0-1')
Matrix: SLUDGE **Tag Number:** Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	2.17	0.510		mg/Kg	8/25/2006 8:00:51 PM	
Barium	136	0.510		mg/Kg	8/25/2006 8:00:51 PM	
Cadmium	0.166	0.051		mg/Kg	8/25/2006 8:00:51 PM	
Lead	6.19	0.255		mg/Kg	8/25/2006 8:00:51 PM	
Selenium	< 1.02	1.02		mg/Kg	8/25/2006 8:00:51 PM	
Strontium	12.8	0.510		mg/Kg	8/25/2006 8:00:51 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	77.4	30-148		%REC	8/18/2006 8:18:00 AM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	10,000	400		mg/Kg-dry	8/28/2006 3:50:00 PM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	18.9	0.100		mmhos/cm	8/25/2006 9:30:00 AM	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	440	50.0		mg/Kg	8/18/2006 8:18:00 AM	
TPH (Oil Range)	347	250		mg/Kg	8/18/2006 8:18:00 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time

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CLIENT: ICON Environmental Services
Lab Order: L06080667
Project: VPSB White Lake

Date Received: 8/14/2006
Date Reported: 13-Sep-06

Lab ID: L06080667-08 **Collection Date:** 8/9/2006 12:42:00 PM **Sample ID:** B-4 (5-8')
Matrix: SLUDGE **Tag Number:** Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	85.1	30-148		%REC	8/18/2006 4:52:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	5,200	400		mg/Kg-dry	8/28/2006 3:50:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	12.7	0.100		mmhos/cm	8/25/2006 9:30:00 AM	CG
TPH BY GC/FID TPH (Diesel Range) TPH (Oil Range)	< 10.0 < 50.0	10.0 50.0		mg/Kg mg/Kg	8/18/2006 4:52:00 AM 8/18/2006 4:52:00 AM	SBH

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
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CLIENT: ICON Environmental Services

Lab Order: L06080667

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 13-Sep-06

Lab ID: L06080667-09 **Collection Date:** 8/9/2006 1:05:00 PM **Sample ID:** B-6 (1.5-3')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	1.95	0.578		mg/Kg	8/25/2006 8:10:10 PM	
Barium	82.8	0.578		mg/Kg	8/25/2006 8:10:10 PM	
Cadmium	0.133	0.058		mg/Kg	8/25/2006 8:10:10 PM	
Lead	6.50	0.289		mg/Kg	8/25/2006 8:10:10 PM	
Selenium	< 1.16	1.16		mg/Kg	8/25/2006 8:10:10 PM	
Strontium	29.4	0.578		mg/Kg	8/25/2006 8:10:10 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	90.6	30-148		%REC	8/18/2006 5:25:00 AM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	3,950	400		mg/Kg-dry	8/28/2006 3:50:00 PM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	8.51	0.100		mmhos/cm	8/25/2006 9:30:00 AM	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/18/2006 5:25:00 AM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/18/2006 5:25:00 AM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

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CLIENT: ICON Environmental Services

Lab Order: L06080667

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 13-Sep-06

Lab ID: L06080667-10 **Collection Date:** 8/9/2006 3:30:00 PM **Sample ID:** B-8 (5.5-7.0')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	3.33	0.584		mg/Kg	8/25/2006 8:15:08 PM	
Barium	76.5	0.584		mg/Kg	8/25/2006 8:15:08 PM	
Cadmium	0.167	0.058		mg/Kg	8/25/2006 8:15:08 PM	
Lead	7.43	0.292		mg/Kg	8/25/2006 8:15:08 PM	
Selenium	< 1.17	1.17		mg/Kg	8/25/2006 8:15:08 PM	
Strontium	25.1	0.584		mg/Kg	8/25/2006 8:15:08 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	90.7	30-148		%REC	8/18/2006 5:32:00 AM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	4,150	400		mg/Kg-dry	8/28/2006 3:50:00 PM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	10.9	0.100		mmhos/cm	8/25/2006 9:30:00 AM	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/18/2006 5:32:00 AM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/18/2006 5:32:00 AM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

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CLIENT: ICON Environmental Services
Lab Order: L06080667
Project: VPSB White Lake

Date Received: 8/14/2006
Date Reported: 13-Sep-06

Lab ID: L06080667-11 **Collection Date:** 8/9/2006 3:36:00 PM **Sample ID:** B-8 (9.5-11.5')
Matrix: SLUDGE **Tag Number:** Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	89.6	30-148		%REC	8/18/2006 5:39:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	2,700	400		mg/Kg-dry	8/28/2006 3:50:00 PM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	6.97	0.100		mmhos/cm	8/25/2006 9:30:00 AM	CG
TPH BY GC/FID TPH (Diesel Range) TPH (Oil Range)	< 10.0 < 50.0	10.0 50.0		mg/Kg mg/Kg	8/18/2006 5:39:00 AM 8/18/2006 5:39:00 AM	SBH

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

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CLIENT: ICON Environmental Services

Lab Order: L06080667

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 13-Sep-06

Lab ID: L06080667-13 **Collection Date:** 8/10/2006 9:22:00 AM **Sample ID:** B-15 (8-11.5')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	88.8	30-148		%REC	8/18/2006 5:52:00 AM	SBH
SOLUBLE CHLORIDE Chlorides	18,000	2,000		mg/Kg-dry	8/29/2006 8:45:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	21.1	0.100		mmhos/cm	8/25/2006 9:30:00 AM	CG
TPH BY GC/FID TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/18/2006 5:52:00 AM	SBH
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/18/2006 5:52:00 AM	

Qualifiers:	+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

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CLIENT: ICON Environmental Services

Lab Order: L06080667

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 13-Sep-06

Lab ID: L06080667-14 **Collection Date:** 8/10/2006 9:40:00 AM **Sample ID:** B-14 (0-1')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
N-PENTACOSANE (TPH-D/O SURROGATE) Surr: n-Pentacosane	81.0	30-148		%REC	8/19/2006 4:38:00 PM	SBH
SOLUBLE CHLORIDE Chlorides	2,750	400		mg/Kg-dry	8/29/2006 8:45:00 AM	SP
ELECTRICAL CONDUCTIVITY Electrical Conductivity	6.79	0.100		mmhos/cm	8/25/2006 9:30:00 AM	CG
TPH BY GC/FID						SBH
TPH (Diesel Range)	12.4	10.0		mg/Kg	8/19/2006 4:38:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 4:38:00 PM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

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CLIENT: ICON Environmental Services

Lab Order: L06080667

Project: VPSB White Lake

Date Received: 8/14/2006

Date Reported: 13-Sep-06

Lab ID: L06080667-15 **Collection Date:** 8/10/2006 9:44:00 AM **Sample ID:** B-14 (4-8')

Matrix: SLUDGE

Tag Number: Project #9077-041-0800

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
METALS IN SOIL OR SLUDGE BY ICP		SW6010B				STS
Arsenic	2.05	0.580		mg/Kg	8/25/2006 8:34:33 PM	
Barium	57.9	0.580		mg/Kg	8/25/2006 8:34:33 PM	
Cadmium	0.130	0.058		mg/Kg	8/25/2006 8:34:33 PM	
Lead	6.81	0.290		mg/Kg	8/25/2006 8:34:33 PM	
Selenium	< 1.16	1.16		mg/Kg	8/25/2006 8:34:33 PM	
Strontium	22.0	0.580		mg/Kg	8/25/2006 8:34:33 PM	
N-PENTACOSANE (TPH-D/O SURROGATE)		SW8015B				SBH
Surr: n-Pentacosane	94.6	30-148		%REC	8/19/2006 4:45:00 PM	
SOLUBLE CHLORIDE		M4500-CL B				SP
Chlorides	1,050	80.0		mg/Kg-dry	8/29/2006 8:45:00 AM	
ELECTRICAL CONDUCTIVITY		29B				CG
Electrical Conductivity	5.10	0.100		mmhos/cm	8/25/2006 9:30:00 AM	
TPH BY GC/FID		SW8015B				SBH
TPH (Diesel Range)	< 10.0	10.0		mg/Kg	8/19/2006 4:45:00 PM	
TPH (Oil Range)	< 50.0	50.0		mg/Kg	8/19/2006 4:45:00 PM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

Sherry Laboratories/Louisiana

Date: 05-Sep-06

CLIENT: ICON Environmental Services
 Work Order: L06080667
 Project: VPSB White Lake

QC SUMMARY REPORT
 Method Blank

Sample ID	MBLK	Batch ID: 6282	Test Code: SW6010B	Units: mg/Kg	Analysis Date: 8/25/2006 6:49:20 PM	Prep Date					
Client ID:		Run ID: 12-OPTIMA_060825A	SeqNo: 714617								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.010	0.010									
Barium	< 0.010	0.010									
Cadmium	< 0.0010	0.0010									
Lead	< 0.0050	0.0050									
Selenium	< 0.020	0.020									
Strontium	< 0.010	0.010									

Sample ID	BLK 8-17 S	Batch ID: 6285	Test Code: SW8015B	Units: %	Analysis Date: 8/18/2006 3:45:00 AM	Prep Date: 8/17/2006					
Client ID:		Run ID: G2_060817C	SeqNo: 710739								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	416.3	0	500	0	83.3	30	148	0			

Sample ID	BLK 8-18 S	Batch ID: 6286	Test Code: SW8015B	Units: %	Analysis Date: 8/19/2006 2:14:00 PM	Prep Date: 8/18/2006					
Client ID:		Run ID: G2_060819B	SeqNo: 711240								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	436.2	0	500	0	87.2	30	148	0			

Sample ID	MB-R47751	Batch ID: R47751	Test Code: M4500-CLB	Units: mg/Kg-dry	Analysis Date: 8/28/2006 3:50:00 PM	Prep Date					
Client ID:		Run ID: MAN1-WC_060828C	SeqNo: 715063								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	< 4.0	4.0									

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

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

B - Analyte detected in the associated Method Blank
 /

CLIENT: ICON Environmental Services

Work Order: L06080667

Project: VPSB White Lake

QC SUMMARY REPORT

Method Blank

Sample ID **MB-R47775** Batch ID: **R47775** Test Code: **M4500-Cl B** Units: **mg/Kg-dry** Analysis Date **8/29/2006 8:45:00 AM** Prep Date
Client ID: Run ID: **MAN1-WC_060829A** SeqNo: **715372**
Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Chlorides < 4.0 4.0

Sample ID **BLK 8-17 S** Batch ID: **6285** Test Code: **SW8015B** Units: **mg/Kg** Analysis Date **8/18/2006 3:45:00 AM** Prep Date **8/17/2006**
Client ID: Run ID: **G2_060817C** SeqNo: **710711**
Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
TPH (Diesel Range) < 10 10
TPH (Oil Range) < 50 50

Sample ID **BLK 8-18 S** Batch ID: **6286** Test Code: **SW8015B** Units: **mg/Kg** Analysis Date **8/19/2006 2:14:00 PM** Prep Date **8/18/2006**
Client ID: Run ID: **G2_060819B** SeqNo: **711213**
Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
TPH (Diesel Range) < 10 10
TPH (Oil Range) < 50 50

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Sherry Laboratories/Louisiana

Date: 05-Sep-06

CLIENT: ICON Environmental Services
Work Order: L06080667
Project: VPSB White Lake

QC SUMMARY REPORT
 Sample Duplicate

Sample ID	L06080622-01ADU	Batch ID:	R47687	Test Code:	29B	Units:	mmhos/cm	Analysis Date	8/25/2006 9:30:00 AM	Prep Date										
Client ID:		Run ID:	MAN1-WC_060825B	SeqNo:	714062															
Analyte	Electrical Conductivity	Result	8.95	PQL	0.10	SPK value	0	LowLimit	0	HighLimit	0	%REC	0	RPD Ref Val	9.04	%RPD	1	RPDLimit	20	Qual
Sample ID	L06080677-02ADU	Batch ID:	R47687	Test Code:	29B	Units:	mmhos/cm	Analysis Date	8/25/2006 9:30:00 AM	Prep Date										
Client ID:		Run ID:	MAN1-WC_060825B	SeqNo:	714064															
Analyte	Electrical Conductivity	Result	13.8	PQL	0.10	SPK value	0	LowLimit	0	HighLimit	0	%REC	0	RPD Ref Val	13.2	%RPD	4.44	RPDLimit	20	Qual
Sample ID	L06080667-02ADU	Batch ID:	R47666	Test Code:	29B	Units:	wt%	Analysis Date	8/15/2006	Prep Date										
Client ID:	B-3 (4-7)	Run ID:	MAN1-WC_060815P	SeqNo:	713680															
Analyte	Percent Moisture	Result	71.3	PQL	0.010	SPK value	0	LowLimit	0	HighLimit	0	%REC	0	RPD Ref Val	69.3	%RPD	2.84	RPDLimit	20	Qual
Sample ID	L06080668-05ADU	Batch ID:	R47667	Test Code:	29B	Units:	wt%	Analysis Date	8/16/2006	Prep Date										
Client ID:		Run ID:	MAN1-WC_060816L	SeqNo:	713710															
Analyte	Percent Moisture	Result	65.4	PQL	0.010	SPK value	0	LowLimit	0	HighLimit	0	%REC	0	RPD Ref Val	69	%RPD	5.36	RPDLimit	20	Qual

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

Sherry Laboratories/Louisiana

Date: 05-Sep-06

CLIENT: ICON Environmental Services
 Work Order: L06080667
 Project: VPSB White Lake

QC SUMMARY REPORT
 Sample Matrix Spike

Sample ID	L06080667-15AM	Batch ID: 6282	Test Code: SW6010B	Units: mg/Kg	Analysis Date	8/25/2006 8:39:32 PM	Prep Date	8/18/2006			
Client ID:	B-14 (4-8')		Run ID: I2-OPTIMA_060825A		SeqNo:	714636					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	30.55	0.55	27.23	2.048	105	75	125	0			
Barium	87.83	0.55	27.23	57.86	110	75	125	0			
Cadmium	27.9	0.054	27.23	0.1296	102	75	125	0			
Lead	34.98	0.27	27.23	6.809	103	75	125	0			
Selenium	23.44	1.1	27.23	0	86.1	75	125	0			
Strontium	49.54	0.55	27.23	21.98	101	75	125	0			

Sample ID	L06080667-15AM	Batch ID: 6282	Test Code: SW6010B	Units: mg/Kg	Analysis Date	8/25/2006 8:44:40 PM	Prep Date	8/18/2006			
Client ID:	B-14 (4-8')		Run ID: I2-OPTIMA_060825A		SeqNo:	714637					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	29.95	0.54	26.82	2.048	104	75	125	30.55	1.98	20	
Barium	85.36	0.54	26.82	57.86	103	75	125	87.83	2.85	20	
Cadmium	27.19	0.054	26.82	0.1296	101	75	125	27.9	2.59	20	
Lead	33.93	0.27	26.82	6.809	101	75	125	34.98	3.07	20	
Selenium	23.94	1.1	26.82	0	89.3	75	125	23.44	2.11	20	
Strontium	48.06	0.54	26.82	21.98	97.2	75	125	49.54	3.04	20	

Sample ID	L06080666-01AM	Batch ID: 6285	Test Code: SW8015B	Units: %	Analysis Date	8/18/2006 2:58:00 AM	Prep Date	8/17/2006			
Client ID:			Run ID: G2_060817C		SeqNo:	710733					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	433.8	0	500	0	86.8	30	148	0			

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

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

B - Analyte detected in the associated Method Blank
 4

CLIENT: ICON Environmental Services
 Work Order: L06080667
 Project: VPSB White Lake

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID	L06080666-01AM	Batch ID:	6285	Test Code:	SW8015B	Units:	%	Analysis Date	8/18/2006 3:05:00 AM	Prep Date	8/17/2006
Client ID:		Run ID:	G2_060817C					SeqNo:	710734		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	447.5	0	500	0	89.5	30	148	0			

Sample ID	L06080666-01AM	Batch ID:	6285	Test Code:	SW8015B	Units:	%	Analysis Date	8/18/2006 3:25:00 AM	Prep Date	8/17/2006
Client ID:		Run ID:	G2_060817C					SeqNo:	710737		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	437.7	0	500	0	87.5	30	148	0			

Sample ID	L06080666-01AM	Batch ID:	6285	Test Code:	SW8015B	Units:	%	Analysis Date	8/18/2006 3:32:00 AM	Prep Date	8/17/2006
Client ID:		Run ID:	G2_060817C					SeqNo:	710738		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	454	0	500	0	90.8	30	148	0			

Sample ID	L06080668-13AM	Batch ID:	6286	Test Code:	SW8015B	Units:	%	Analysis Date	8/19/2006 1:26:00 PM	Prep Date	8/18/2006
Client ID:		Run ID:	G2_060819B					SeqNo:	711234		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	483.8	0	500	0	96.8	30	148	0			

Sample ID	L06080668-13AM	Batch ID:	6286	Test Code:	SW8015B	Units:	%	Analysis Date	8/19/2006 1:33:00 PM	Prep Date	8/18/2006
Client ID:		Run ID:	G2_060819B					SeqNo:	711235		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	415.2	0	500	0	83	30	148	0			

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

CLIENT: ICON Environmental Services
Work Order: L06080667
Project: VPSB White Lake

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID	L06080668-13AM	Batch ID:	6286	Test Code:	SW8015B	Units:	%	Analysis Date	8/19/2006 1:53:00 PM	Prep Date	8/18/2006
Client ID:		Run ID:	G2_060819B	SeqNo:	711238						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Surr: n-Pentacosane		453.4	0	500	0	90.7	30	148	0		

Sample ID	L06080668-13AM	Batch ID:	6286	Test Code:	SW8015B	Units:	%	Analysis Date	8/19/2006 2:00:00 PM	Prep Date	8/18/2006
Client ID:		Run ID:	G2_060819B	SeqNo:	711239						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Surr: n-Pentacosane		428.6	0	500	0	85.7	30	148	0		

Sample ID	L06080564-10AM	Batch ID:	R47751	Test Code:	M4500-CI B	Units:	mg/Kg-dry	Analysis Date	8/28/2006 3:50:00 PM	Prep Date	
Client ID:		Run ID:	MAN1-WC_060828C	SeqNo:	715086						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Chlorides		6800	400	5263	2350	84.6	80	120	0		

Sample ID	L06080564-10AM	Batch ID:	R47751	Test Code:	M4500-CI B	Units:	mg/Kg-dry	Analysis Date	8/28/2006 3:50:00 PM	Prep Date	
Client ID:		Run ID:	MAN1-WC_060828C	SeqNo:	715087						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Chlorides		7000	400	5263	2350	88.4	80	120	6800	2.9	20

Sample ID	L06080666-05AM	Batch ID:	R47775	Test Code:	M4500-CI B	Units:	mg/Kg-dry	Analysis Date	8/29/2006 8:45:00 AM	Prep Date	
Client ID:		Run ID:	MAN1-WC_060829A	SeqNo:	715395						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit
Chlorides		7200	400	5263	2700	85.5	80	120	0		

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

CLIENT: ICON Environmental Services
Work Order: L06080667
Project: VPSB White Lake

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID	L06080666-05AM	Batch ID:	R47775	Test Code:	M4500-ClB	Units:	mg/Kg-dry	Analysis Date	8/29/2006 8:45:00 AM	Prep Date						
Client ID:		Run ID:	MAN1-WC_060829A	SeqNo:	715396											
Analyte	Result	PQL	400	SPK value	5263	SPK Ref Val	2700	%REC	86.5	RPD Ref Val	7200	%RPD	0.692	RPDLimit	20	Qual
Chlorides	7250															

Sample ID	L06080666-01AM	Batch ID:	6285	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/18/2006 2:58:00 AM	Prep Date						
Client ID:		Run ID:	G2_060817C	SeqNo:	710705											
Analyte	Result	PQL	10	SPK value	100	SPK Ref Val	0	%REC	81.7	RPD Ref Val	0	%RPD		RPDLimit		Qual
TPH (Diesel Range)	81.67								43.2		135					

Sample ID	L06080666-01AM	Batch ID:	6285	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/18/2006 3:05:00 AM	Prep Date						
Client ID:		Run ID:	G2_060817C	SeqNo:	710706											
Analyte	Result	PQL	10	SPK value	100	SPK Ref Val	0	%REC	78.2	RPD Ref Val	81.67	%RPD	4.32	RPDLimit	40	Qual
TPH (Diesel Range)	78.22								43.2		135					

Sample ID	L06080666-01AM	Batch ID:	6285	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/18/2006 3:25:00 AM	Prep Date						
Client ID:		Run ID:	G2_060817C	SeqNo:	710709											
Analyte	Result	PQL	50	SPK value	100	SPK Ref Val	0	%REC	95.7	RPD Ref Val	0	%RPD		RPDLimit		Qual
TPH (Oil Range)	95.66								43.2		135					

Sample ID	L06080666-01AM	Batch ID:	6285	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/18/2006 3:32:00 AM	Prep Date						
Client ID:		Run ID:	G2_060817C	SeqNo:	710710											
Analyte	Result	PQL	50	SPK value	100	SPK Ref Val	0	%REC	99.8	RPD Ref Val	95.66	%RPD	4.19	RPDLimit	40	Qual
TPH (Oil Range)	99.75								43.2		135					

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

CLIENT: ICON Environmental Services
Work Order: L06080667
Project: VPSB White Lake

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID	L06080668-13AM	Batch ID:	6286	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/19/2006 1:26:00 PM	Prep Date	8/18/2006
Client ID:		Run ID:	G2_060819B	SeqNo:	711207						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	83.58	10	100	0	83.6	43.2	135	0			

Sample ID	L06080668-13AM	Batch ID:	6286	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/19/2006 1:33:00 PM	Prep Date	8/18/2006
Client ID:		Run ID:	G2_060819B	SeqNo:	711208						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	71.87	10	100	0	71.9	43.2	135	83.58	15.1	40	

Sample ID	L06080668-13AM	Batch ID:	6286	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/19/2006 1:53:00 PM	Prep Date	8/18/2006
Client ID:		Run ID:	G2_060819B	SeqNo:	711211						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	97.38	50	100	0	97.4	43.2	135	0			

Sample ID	L06080668-13AM	Batch ID:	6286	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/19/2006 2:00:00 PM	Prep Date	8/18/2006
Client ID:		Run ID:	G2_060819B	SeqNo:	711212						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	86.44	50	100	0	86.4	43.2	135	97.38	11.9	40	

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

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

B - Analyte detected in the associated Method Blank

Sherry Laboratories/Louisiana

Date: 05-Sep-06

CLIENT: ICON Environmental Services
 Work Order: L06080667
 Project: VPSB White Lake

QC SUMMARY REPORT
 Laboratory Control Spike - generic

Sample ID	LCS LOT # 05F20	Batch ID: 6282	Test Code: SW6010B	Units: mg/Kg	Analysis Date	8/25/2006 6:53:52 PM	Prep Date				
Client ID:	Run ID:	I2-OPTIMA_060825A	SeqNo:	714618							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4998	0.010	0.5	0	100	75	125	0			
Barium	0.4927	0.010	0.5	0	98.5	75	125	0			
Cadmium	0.4926	0.0010	0.5	0	98.5	75	125	0			
Lead	0.4977	0.0050	0.5	0	99.5	75	125	0			
Selenium	0.4895	0.020	0.5	0	97.9	75	125	0			
Strontium	0.4867	0.010	0.5	0	97.3	75	125	0			

Sample ID	LCSD LOT # 05F2	Batch ID: 6282	Test Code: SW6010B	Units: mg/Kg	Analysis Date	8/25/2006 6:58:53 PM	Prep Date				
Client ID:	Run ID:	I2-OPTIMA_060825A	SeqNo:	714619							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4957	0.010	0.5	0	99.1	75	125	0.4998	0.832	20	
Barium	0.4952	0.010	0.5	0	99	75	125	0.4927	0.506	20	
Cadmium	0.4951	0.0010	0.5	0	99	75	125	0.4926	0.508	20	
Lead	0.4948	0.0050	0.5	0	99	75	125	0.4977	0.591	20	
Selenium	0.5005	0.020	0.5	0	100	75	125	0.4895	2.22	20	
Strontium	0.4951	0.010	0.5	0	99	75	125	0.4867	1.71	20	

Sample ID	LCS-D 8-17 S	Batch ID: 6285	Test Code: SW8015B	Units: %	Analysis Date	8/18/2006 2:45:00 AM	Prep Date				
Client ID:	Run ID:	G2_060817C	SeqNo:	710731							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	450.1	0	500	0	90	30	148	0			

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

CLIENT: ICON Environmental Services
 Work Order: L06080667
 Project: VPSB White Lake

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID	LCSD-D 8-17 S	Batch ID:	6285	Test Code:	SW8015B	Units:	%	Analysis Date	8/18/2006 2:51:00 AM	Prep Date	8/17/2006
Client ID:		Run ID:	G2_060817C					SeqNo:	710732		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	453.7	0	500	0	90.7	30	148	0			

Sample ID	LCS-MO 8-17 S	Batch ID:	6285	Test Code:	SW8015B	Units:	%	Analysis Date	8/18/2006 3:11:00 AM	Prep Date	8/17/2006
Client ID:		Run ID:	G2_060817C					SeqNo:	710735		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	445.4	0	500	0	89.1	30	148	0			

Sample ID	LCSD-MO 8-17 S	Batch ID:	6285	Test Code:	SW8015B	Units:	%	Analysis Date	8/18/2006 3:18:00 AM	Prep Date	8/17/2006
Client ID:		Run ID:	G2_060817C					SeqNo:	710736		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	385.5	0	500	0	77.1	30	148	0			

Sample ID	LCS-D 8-18 S	Batch ID:	6286	Test Code:	SW8015B	Units:	%	Analysis Date	8/19/2006 1:13:00 PM	Prep Date	8/18/2006
Client ID:		Run ID:	G2_060819B					SeqNo:	711232		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	476.1	0	500	0	95.2	30	148	0			

Sample ID	LCSD-D 8-18 S	Batch ID:	6286	Test Code:	SW8015B	Units:	%	Analysis Date	8/19/2006 1:19:00 PM	Prep Date	8/18/2006
Client ID:		Run ID:	G2_060819B					SeqNo:	711233		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	456	0	500	0	91.2	30	148	0			

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

CLIENT: ICON Environmental Services
Work Order: L06080667
Project: VPSB White Lake

QC SUMMARY REPORT
 Laboratory Control Spike - generic

Sample ID	LCS-MO 8-18 S	Batch ID:	6286	Test Code:	SW8015B	Units:	%	Analysis Date	8/19/2006 1:40:00 PM	Prep Date	8/18/2006
Client ID:		Run ID:	G2_060819B					SeqNo:	711236		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	416.2	0	500	0	83.2	30	148	0			

Sample ID	LCS-D-MO 8-18 S	Batch ID:	6286	Test Code:	SW8015B	Units:	%	Analysis Date	8/19/2006 1:47:00 PM	Prep Date	8/18/2006
Client ID:		Run ID:	G2_060819B					SeqNo:	711237		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	454.5	0	500	0	90.9	30	148	0			

Sample ID	LCS-R47751	Batch ID:	R47751	Test Code:	M4500-Cl B	Units:	mg/Kg-dry	Analysis Date	8/28/2006 3:50:00 PM	Prep Date	
Client ID:		Run ID:	MAN1-WC_060828C					SeqNo:	715064		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	950	4.0	1000	1.6	94.8	80	120	0			

Sample ID	LCS-D	Batch ID:	R47751	Test Code:	M4500-Cl B	Units:	mg/Kg-dry	Analysis Date	8/28/2006 3:50:00 PM	Prep Date	
Client ID:		Run ID:	MAN1-WC_060828C					SeqNo:	715085		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	940	4.0	1000	0	94	80	120	950	1.06	20	

Sample ID	LCS-R47775	Batch ID:	R47775	Test Code:	M4500-Cl B	Units:	mg/Kg-dry	Analysis Date	8/29/2006 8:45:00 AM	Prep Date	
Client ID:		Run ID:	MAN1-WC_060829A					SeqNo:	715373		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorides	980	4.0	1000	1.5	97.9	80	120	0			

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

CLIENT: ICON Environmental Services
Work Order: L06080667
Project: VPSB White Lake

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID	LCS-D	Batch ID:	R47775	Test Code:	M4500-Cl B	Units:	mg/Kg-dry	Analysis Date	8/29/2006 8:45:00 AM	Prep Date										
Client ID:		Run ID:	MAN1-WC_060829A	SeqNo:	715394															
Analyte		Result	1010	PQL	4.0	SPK value	1000	%REC	101	LowLimit	80	HighLimit	120	RPD Ref Val	980	%RPD	3.02	RPDLimit	20	Qual
Chlorides																				

Sample ID	LCS-R47687	Batch ID:	R47687	Test Code:	29B	Units:	mmhos/cm	Analysis Date	8/25/2006 9:30:00 AM	Prep Date										
Client ID:		Run ID:	MAN1-WC_060825B	SeqNo:	714065															
Analyte		Result	477	PQL	0.10	SPK value	449	%REC	106	LowLimit	80	HighLimit	120	RPD Ref Val	0	%RPD		RPDLimit		Qual
Electrical Conductivity																				

Sample ID	LCS-D 8-17 S	Batch ID:	6285	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/18/2006 2:45:00 AM	Prep Date										
Client ID:		Run ID:	G2_060817C	SeqNo:	710703															
Analyte		Result	80.03	PQL	10	SPK value	100	%REC	80	LowLimit	43.2	HighLimit	135	RPD Ref Val	0	%RPD		RPDLimit		Qual
TPH (Diesel Range)																				

Sample ID	LCS-D 8-17 S	Batch ID:	6285	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/18/2006 2:51:00 AM	Prep Date										
Client ID:		Run ID:	G2_060817C	SeqNo:	710704															
Analyte		Result	77	PQL	10	SPK value	100	%REC	77	LowLimit	43.2	HighLimit	135	RPD Ref Val	80.03	%RPD	3.86	RPDLimit	40	Qual
TPH (Diesel Range)																				

Sample ID	LCS-MO 8-17 S	Batch ID:	6285	Test Code:	SW8015B	Units:	mg/Kg	Analysis Date	8/18/2006 3:11:00 AM	Prep Date										
Client ID:		Run ID:	G2_060817C	SeqNo:	710707															
Analyte		Result	97.19	PQL	50	SPK value	100	%REC	97.2	LowLimit	43.2	HighLimit	135	RPD Ref Val	0	%RPD		RPDLimit		Qual
TPH (Oil Range)																				

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

CLIENT: ICON Environmental Services
Work Order: L06080667
Project: VPSB White Lake

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID	LCSD-MO 8-17 S	Batch ID: 6285	Test Code: SW8015B	Units: mg/Kg	Analysis Date 8/18/2006 3:18:00 AM	Prep Date 8/17/2006					
Client ID:			Run ID: G2_060817C		SeqNo: 710708						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	91.44	50	100	0	91.4	43.2	135	97.19	6.1	40	
Sample ID	LCS-D 8-18 S	Batch ID: 6286	Test Code: SW8015B	Units: mg/Kg	Analysis Date 8/19/2006 1:13:00 PM	Prep Date 8/18/2006					
Client ID:			Run ID: G2_060819B		SeqNo: 711205						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	84.82	10	100	0	84.8	43.2	135	0			
Sample ID	LCS-D 8-18 S	Batch ID: 6286	Test Code: SW8015B	Units: mg/Kg	Analysis Date 8/19/2006 1:19:00 PM	Prep Date 8/18/2006					
Client ID:			Run ID: G2_060819B		SeqNo: 711206						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	78.93	10	100	0	78.9	43.2	135	84.82	7.2	40	
Sample ID	LCS-MO 8-18 S	Batch ID: 6286	Test Code: SW8015B	Units: mg/Kg	Analysis Date 8/19/2006 1:40:00 PM	Prep Date 8/18/2006					
Client ID:			Run ID: G2_060819B		SeqNo: 711209						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	90.2	50	100	0	90.2	43.2	135	0			
Sample ID	LCSD-MO 8-18 S	Batch ID: 6286	Test Code: SW8015B	Units: mg/Kg	Analysis Date 8/19/2006 1:47:00 PM	Prep Date 8/18/2006					
Client ID:			Run ID: G2_060819B		SeqNo: 711210						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	93.25	50	100	0	93.2	43.2	135	90.2	3.33	40	

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



Sherry Laboratories - Chain of Custody Record

Laboratory Number: **100800000**



SHERRY Laboratories
Testing Today - Protecting Tomorrow

Client Information: **ICON Environmental**
Greg Miller
1055 Conventon St.
2nd floor
Baton Rouge LA 70802
225-344-8490 Ext: _____

Billing Information: **SAME**

PO Number: _____
Quote Number: _____
Required QC Level: _____

Project Name/Number: **VPSB White Lake**
9077-041-0800

Sampler's Signature: _____

Shipping Method: **UPS / FedEx / Airborne**
DHL / Sherry / Hand / Mail

Page 1 of 2

Turn Time:
 Standard
 1 Day
 2 Day
 Other
 (Rush turn times will incur a surcharge and must be pre-approved by lab.)

Ext: _____

Bill Monthly:
 Yes
 No

Which Regulations Apply: <input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input type="checkbox"/> NPDES <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC	Sample ID/Description	Matrix Code:			Date	Time	Grab/Composite	Matrix	Container		Pres.	Requested Tests				Comments
		AQ = Aqueous	O = Oil	SL = Sludge					Type	Quantity		HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₈	C1/EC	TPH-D/O	Metals	
	B-3 (0'-1')						Grab	G	1	none	X	X	X	X	Metals	
	B-3 (9'-12')			8/9/06	1110	Grab	SL	G	1	none	X	X	X	X	Metals	
	B-3 (4'-7')			8/9/06	1106	Grab	SL	G	1	none	X	X	X	X	As, Ba, Cd, Pb, Se, Sr	
	B-5 (0'-1.5')			8/9/06	1137	Grab	SL	G	1	none	X	X	X	X	TPH-D/O	
	B-5 (4'-5.5')			8/9/06	1143	Grab	SL	G	1	none	X	X	X	X	Method 8015 B	
	B-5 (8'-10')			8/9/06	1150	Grab	SL	G	1	none	X	X	X	X		
	B-4 (0'-1')			8/9/06	1236	Grab	SL	G	1	none	X	X	X	X		
	B-4 (3'-5')			8/9/06	1240	Grab	SL	G	1	none	X	X	X	X		
	B-4 (5'-8')			8/9/06	1242	Grab	SL	G	1	none	X	X	X	X		
	B-6 (1.5'-3')			8/9/06	1305	Grab	SL	G	1	none	X	X	X	X		

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:	
				Received on ice? <input type="checkbox"/> Yes <input type="checkbox"/> No	Temp:
<i>Sherry Lab Temp</i>	8/14/06 17:05	<i>Darlene Serna</i>	8-14-06 @ 17:05	<input type="checkbox"/>	
				<input type="checkbox"/>	
				<input type="checkbox"/>	
				<input type="checkbox"/>	

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

2203 S. Madison St.
 Muncie, IN 47302
 765-747-9000
 Fax: 765-747-0228

629 Washington St.
 Suite 300
 Columbus, IN 47201
 812-375-0531
 Fax: 812-375-0731

2417 W. Pinhook Rd
 Lafayette, LA 70508
 337-235-0483
 Fax: 337-233-6540

6825 E. 38th Street
 Tulsa, OK 74145
 918-828-9977
 Fax: 918-828-7756

Part 1 - Laboratory Copy Part 2 - Report Copy Part 3 - Client's Temporary Copy



Sherry Laboratories - Chain of Custody Record

Laboratory Number: **Lab use only 1008007**

SHERRY Laboratories
Testing Today - Protecting Tomorrow

Client Information: **ICON Environmental**
Greg Miller
1053 Convention St.
2nd floor
Baton Rouge LA 70802
225-344-8490 Ext:
 City, State Zip:
 Phone Number:
 Fax Number:
 E-mail Address:

Billing Information:
 PO Number:
 Quote Number:
 Required QC Level:
 Bill Monthly:
 Yes
 No
 Ext:

Project Name/Number:
VPSB Whitelake
4077-040-0800
 Sampler's Signature:
 Shipping Method:
 UPS / FedEx / Airborne
 DHL / Sherry / Hand / Mail

Page **2** of **2**
 Turn Time:
 Standard
 1 Day
 2 Day
 Other
 (Rush turn times will incur a surcharge and must be pre-approved by lab.)

Which Regulations Apply: <input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input type="checkbox"/> NPDES <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC	Matrix Code: AQ = Aqueous DW = Drinking Water WW = Waste MW = Monit. Well LQ = Liquid	SO = Soil O = Oil SL = Sludge F = Food SW = Swab SOL = Solid	Container		Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ O ₂	Requested Tests				Comments		
			Quantity	Type P=Plastic, G=Glass, V=Vial		TPH-D/O	Metals	% Moisture				
Sample ID/Description	Date	Time	Grab/ Composite	Matrix								
B-8 (5.5'-7.0')	8/9/06	1530	Grab	SL	1	G	none	X	X	X		Metals As, Ba, Cd, Pb, Se, Sr TPH-D/O Method 8015B
B-8 (9.5'-11.5')	8/9/06	1536	Grab	SL	1	G	none	X	X	X		
B-15 (4'-6')	8/10/06	1818	Grab	SL	1	G	none	X	X	X		
B-15 (8'-11.5')	8/10/06	0922	Grab	SL	1	G	none	X	X	X		
B-14 (0'-1')	8/10/06	0940	Grab	SL	1	G	none	X	X	X		
B-14 (4'-8')	8/10/06	0944	Grab	SL	1	G	none	X	X	X		
			Grab				none					
			Grab				none					
			Grab				none					
			Grab				none					

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
<i>Sharon Zedberg</i>	8/14/06 1705	<i>Darling Smae</i>	8-14-06 17:05	
				Received on ice? <input type="checkbox"/> Yes <input type="checkbox"/> No
				Temp:

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

2203 S. Madison St.
 Muncie, IN 47302
 765-747-9000
 Fax: 765-747-0228

629 Washington St.
 Suite 300
 Columbus, IN 47201
 812-375-0531
 Fax: 812-375-0731

2417 W. Pinhook Rd.
 Lafayette, LA 70508
 337-235-0483
 Fax: 337-233-6540

6825 E. 38th Street
 Tulsa, OK 74145
 918-828-9977
 Fax: 918-828-7756

Part 1 - Laboratory Copy Part 2 - Report Copy Part 3 - Client's Temporary Copy

6/03

SAMPLE LOG-IN CHECK LIST

Chain of Custody

Yes	No	N/A	Were seals, if present, intact?
Yes	No		Is Chain of Custody complete? If no, please comment below.
			How was the sample delivered? Sherry FedEx UPS Hand Other: _____

Log In

Yes	No	N/A	Was an attempt made to cool the samples? Temperature: <u>4</u> Ambient
Yes	No		N/A Are samples properly preserved?
			If preservative added to bottles, which bottles? _____
Yes	No	N/A	Is the headspace in the VOA vials less than 1/4 inch or 6 mm?
Yes	No	N/A	Are VOA vials preserved with HCl?
Yes	No		Does paperwork match bottle labels? (Note discrepancies on Chain of Custody)
Yes	No		Are matrices correctly identified on Chain of Custody?
Yes	No		Is it clear what analyses were requested?
Yes	No		Are we able to meet all holding times? (If no, notify customer for authorization.)

Special Handling (if applicable)

Yes	No	N/A	Was client notified of all discrepancies with this order? Person notified: _____ Date: _____ Time: _____ By whom? _____ Via: Phone Fax In Person Regarding: _____ Report / Do Not Report
Yes	No	N/A	Was other special handling completed? Explain: _____

Notes:

No sampler signature

Customer: Icon Laboratory Work Order # 6080667
 Log In Signature: [Signature] Date: 8-14-06 Time: 1705

ICON
Environmental Services, Inc.

VPSB-White Lake

STANDARD LEVEL IV
REPORT OF ANALYSIS

WORK ORDER #06-11072-OR

December 5, 2006

EBERLINE SERVICES/OAK RIDGE LABORATORY
OAK RIDGE, TN

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Eberline Services – Oak Ridge Laboratory

**LABORATORY DATA SUPPORT CHECKLIST
MP-001-3**

Eberline Services Work Order # 06.11072

The checklist items listed below are to be initialed by appropriate staff upon completion/verification.

Date for Partial	Initials	Date	Initials	Checklist Items
		11/17/06	KAB	Sample Log-In
		11/30/06	KBS	Data Compilation
		11-30-06	MLT	Technical Data Review <i>MLT</i>
		12/5/06	JS	Data Entry/Electronic Deliverable
		12/5/06	JS	Case Narrative
		12/5/06	G	Electronic Deliverable Proof
		12/5/06	G.H	Samples Analyzed within Holding Time <i>YES</i>
		12/5/06	G.H	QA/QC Review
				Invoiced by Laboratory

Technical/Clerical Corrections, Signatures Needed, Problems, Etc	Date/Initials

Date package approved by:

[Signature]

Laboratory Manager

12/5/06

Date

Copy No. _____

Radiochemical Services

SECTION I
CHAIN OF CUSTODY
&
PH CHECK

06.11072

CHAIN-OF-CUSTODY FORM

ANALYTICAL REQUESTS

ICON
Environmental Services, Inc.
 1055 Convention Street Second Floor
 Baton Rouge, Louisiana 70802
 (225) 344-8490 FAX (225) 344-6654

Project Name/Number: **VPSB-White Lake**

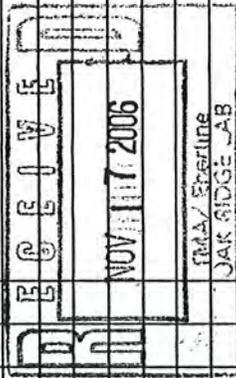
Sampler: **Matt Justus/Shawn Ledoux** Transporte Fed Ex

Bottles:

Comments/
Field Results

Ra 226+228

Sample Description	Matrix (See Code)	Date	Time (24:00)	Type (Comp., Grab)	Containers (Number)	Turnaround (See code)
B-7	GW	11/13/06	13:30	Grab	1	Std
B-5	GW	11/13/06	12:30	Grab	1	Std
B-15	GW	11/13/06	14:45	Grab	1	Std
B-3	GW	11/10/06	11:50	Grab	1	Std
WW-1	GW	11/14/06	10:40	Grab	1	Std
WW-2	GW	11/14/06	11:25	Grab	1	Std



Relinquished by: <i>Matt Justus</i>	Company: <i>Icon</i>	Received by: <i>Shawn Ledoux</i>	Company: <i>Icon</i>	Date: 11/13/06	Time: 10:02
Relinquished by: <i>Shawn Ledoux</i>	Company: <i>Icon</i>	Received by: <i>Matt Justus</i>	Company: <i>Icon</i>	Date: 11/17/06	Time: 0930
Relinquished by:	Company:	Received by:	Company:	Date:	Time:

Matrix: W = water, S = solid, SL = sludge, L = liquid, CT = charcoal tube, CN = canister, A = airbag
 Turnaround: 24 = 24 hr, 48 = 48 hr, 3D = 3 days, 1 wk = 1 week, 2 wk = 2 weeks, STD = standard

456749



Internal Chain of Custody

Work Order #	06-11072
Lab Deadline	12/1/2006
Analysis	Ra226 - Level 4
Sample Matrix	Water

Comments	Sample Fraction	HP 210 / 270 Detector Activity	Storage Location	
See subfile for aliquots	04	17	AA1.5	
	05	34	AA1.5	
	06	33	AA1.5	
	07	25	AA1.5	
	08	30	AA1.5	
	09	30	AA1.5	
	10	36	AA1.5	
	11	32	AA1.5	
	12	32	AA1.5	
	13	31	AA1.5	

	Location (circle one)					Initials	Date
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room	<i>[Signature]</i>	11/17/06 1200
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room	<i>[Signature]</i>	11/20/06 1230
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room	<i>[Signature]</i>	11/20/06 1230
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room	<i>[Signature]</i>	11/22/06 0730
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room	<i>[Signature]</i>	11-22-06 0753
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room	<i>[Signature]</i>	11-27-06 19:15
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room		



Internal Chain of Custody

Work Order #	06-11072
Lab Deadline	12/1/2006
Analysis	Ra228 - Level 4
Sample Matrix	Water

Comments	Sample Fraction	HP 210 / 270 Detector Activity	Storage Location	
See subfile for aliquots	04	17	AA1.5	
	05	34	AA1.5	
	06	33	AA1.5	
	07	25	AA1.5	
	08	30	AA1.5	
	09	30	AA1.5	
	10	36	AA1.5	
	11	32	AA1.5	
	12	32	AA1.5	
	13	31	AA1.5	

	Location (circle one)					Initials	Date
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room	<i>[Signature]</i>	11/17/06/200
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room	<i>[Signature]</i>	11/20/06/230
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room	<i>[Signature]</i>	11/20/06
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room	<i>[Signature]</i>	11/22/06
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room	<i>[Signature]</i>	11-22-06 0753
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room	<i>[Signature]</i>	11-23-06 0702
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room	<i>[Signature]</i>	11/27/06
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room	<i>[Signature]</i>	11/30/06
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room	<i>[Signature]</i>	11-30-06 0839
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room	<i>[Signature]</i>	11-30-06 1215
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room		

	Sample Receiving Report (Volumes, pH, & CPM)	Internal Work Order 06-11072
		Received By
		KBANNISTER

FR	ClientID	# Btls	Comments	Matrix	Storage	Rec Vol Ttl	CPM Max
01	LCS	0		WA	AA1.5		
02	BLANK	0		WA	AA1.5		
03	DUP	0		WA	AA1.5		
04	B-7	1		WA	AA1.5	3.30	17
			Container Number	pH Orig	pH Final	Volume (L)	CPM
			1	7	<2	3.3000	17
05	B-5	1		WA	AA1.5	3.20	34
			Container Number	pH Orig	pH Final	Volume (L)	CPM
			1	7	<2	3.2000	34
06	B-15	1		WA	AA1.5	3.20	33
			Container Number	pH Orig	pH Final	Volume (L)	CPM
			1	7	<2	3.2000	33
07	B-3	1		WA	AA1.5	3.30	25
			Container Number	pH Orig	pH Final	Volume (L)	CPM
			1	7	<2	3.3000	25
08	WW-1	1		WA	AA1.5	3.20	30
			Container Number	pH Orig	pH Final	Volume (L)	CPM
			1	7	<2	3.2000	30
09	WW-2	1		WA	AA1.5	3.20	30
			Container Number	pH Orig	pH Final	Volume (L)	CPM
			1	7	<2	3.2000	30
10	B-6	1		WA	AA1.5	3.30	36
			Container Number	pH Orig	pH Final	Volume (L)	CPM
			1	7	<2	3.3000	36
11	B-19	1		WA	AA1.5	3.30	32
			Container Number	pH Orig	pH Final	Volume (L)	CPM
			1	7	<2	3.3000	32
12	B-2	1		WA	AA1.5	3.30	32
			Container Number	pH Orig	pH Final	Volume (L)	CPM
			1	7	<2	3.3000	32
13	B-1	1		WA	AA1.5	3.30	31
			Container Number	pH Orig	pH Final	Volume (L)	CPM
			1	7	<2	3.3000	31

Preserved with HNO3 = Bottle #004903P
 11/17/06
 JB

Received by: KBannister Date: 11-17-06

SECTION II
SAMPLE ACKNOWLEDGEMENT

Internal ID	Client ID	Sample Date	Matrix	Storage	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0
01	LCS	11/17/06	WA	AA1.5	X	X													
02	BLANK	11/17/06	WA	AA1.5	X	X													
03	DUP	11/17/06	WA	AA1.5	X	X													
04	B-7	11/13/06 13:30	WA	AA1.5	X	X													
05	B-5	11/13/06 12:30	WA	AA1.5	X	X													
06	B-15	11/13/06 14:45	WA	AA1.5	X	X													
07	B-3	11/10/06 11:50	WA	AA1.5	X	X													
08	WW-1	11/14/06 10:40	WA	AA1.5	X	X													
09	WW-2	11/14/06 11:25	WA	AA1.5	X	X													
10	B-6	11/10/06 15:15	WA	AA1.5	X	X													
11	B-19	11/10/06 14:00	WA	AA1.5	X	X													
12	B-2	11/10/06 09:55	WA	AA1.5	X	X													
13	B-1	11/10/06 07:50	WA	AA1.5	X	X													
Totals Per Analysis (non QA samples)					10	10	0	0	0	0	0	0	0	0	0	0	0	0	0


EBERLINE SERVICES
 Sample Log In Report

Oak Ridge Laboratory
 601 Scarboro Rd.
 Oak Ridge, TN 37830
 Voice: (865) 481-0683
 Fax: (865) 483-4621

Invoice
 10 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Accounts Payable
 ICON Environmental Services, Inc.
 1055 Convention St 2nd Flr
 Baton Rouge, LA 70802-4771

Report Data
 Gregory Miller
 ICON Environmental Services, Inc.
 1055 Convention St, 2nd Flr
 Baton Rouge, LA 70802-4771

Voice: 225-344-7390
 Fax: 225-344-6654

Invoice
 10 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Accounts Payable
 ICON Environmental Services, Inc.
 1055 Convention St 2nd Flr
 Baton Rouge, LA 70802-4771

Voice: 225-344-8490
 Fax: 225-344-6654

Contact
 Gregory Miller
 225-344-7390
 225-344-6654



Eberline Services – Oak Ridge Laboratory

SAMPLE RECEIPT CHECKLIST

MP-001-2

WORK ORDER # 06.11072

SAMPLE MATRIX/MATRICES:

(CIRCLE ONE OR BOTH)

AQUEOUS NON-AQUEOUS

WERE SAMPLES:

(CIRCLE EITHER YES, NO, OR N/A)

Received in good condition?

Y OR N

If aqueous, properly preserved

Y OR N N/A

WERE CHAIN OF CUSTODY SEALS:

Present on outside of package?

Y OR N

Unbroken on outside of package?

Y OR N

Present on samples?

Y OR N

Unbroken on samples?

Y OR N

Was chain of custody present upon sample receipt? Yes

IF ANY OF THE ABOVE ARE CIRCLED, A DISCREPANT SAMPLE RECEIPT REPORT (DSR) HAS BEEN ISSUED.

REMARKS: _____

SIGNATURE: K. Bannister DATE: 11/7/06

SECTION III
CASE NARRATIVE



EBS-OR-25155

December 5, 2006

Gregory Miller
ICON Environmental Services, Inc.
1055 Convention Street 2nd Flr
Baton Rouge, LA 70802-4771

Oak Ridge Laboratory
601 Scarboro Road
Oak Ridge, TN 37830
Phone (865) 481-0683
Fax (865) 483-4621

CASE NARRATIVE
Work Order# 06-11072-OR

SAMPLE RECEIPT

This work order contains ten water samples received 11/17/2006. These samples were analyzed for Radium-226/228.

<u>CLIENT ID</u>	<u>LAB ID</u>	<u>CLIENT ID</u>	<u>LAB ID</u>
B-7	06-11072-04	WW-2	06-11072-09
B-5	06-11072-05	B-6	06-11072-10
B-15	06-11072-06	B-19	06-11072-11
B-3	06-11072-07	B-2	06-11072-12
WW-1	06-11072-08	B-1	06-11072-13

ANALYTICAL METHODS

Radium-226 was analyzed using EPA Method 903.0 modified. Radium-228 was analyzed using EPA Method 904.0 modified.

ANALYTICAL RESULTS

RADIUM-226

Samples were prepared by removing a representative aliquot from each sample followed by mixed acid digestions as appropriate. This was followed by selective sulfate precipitation of the Radium. Samples were then mounted by semi-micro-precipitation onto micro-porous filter media. Samples were counted by alpha spectroscopy using an energy specific region of interest for Radium-226. Chemical recovery was calculated by the use of a Barium-133 tracer, which was determined by HPGe gamma spectroscopy.

Samples demonstrated background equivalent to slightly positive results for Radium-226 activity. Due to the presence of elemental barium within these samples, small aliquots were analyzed. This caused slightly high method detection limits. In almost all instances, results are greater than the method detection limit making this condition moot. Chemical recovery was acceptable for all samples. Results for the Radium-226 method blank demonstrated background equivalent activity. Results for the Radium-226 replicate demonstrated a high relative percent difference; however, normalized difference is within acceptable limits for the analytical technique. Results for the Radium-226 laboratory control sample demonstrated an acceptable percent recovery.

ANALYTICAL RESULTS CONTINUED

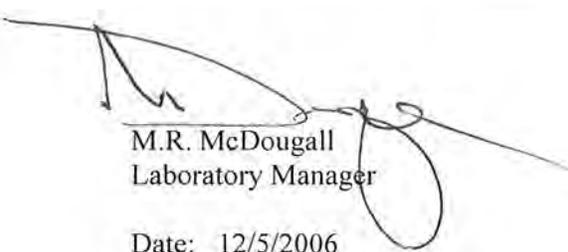
RADIUM-228

Following alpha spectroscopy analysis of Radium-226, Barium/Radium Sulfate precipitates were redissolved and allowed for sufficient ingrowth of the Actinium-228 daughter. After ingrowth, Actinium-228 was selectively precipitated. Precipitates were filtered and Actinium-228 beta emissions were then counted on a gas proportional counter. Chemical recovery was determined by the use of a Barium-133 tracer, of which the sample activity was determined by HPGe gamma spectroscopy and an elemental Yttrium carrier by gravimetric measurements. The product of these two recoveries was used to calculate chemical yield.

Samples demonstrated background equivalent to slightly positive results for Radium-228 activity. Chemical recovery was acceptable for all samples. Results for the Radium-228 method blank demonstrated background equivalent activity. Results for the Radium-228 replicate demonstrated an acceptable relative percent difference and normalized difference. Results for the Radium-228 laboratory control sample demonstrated a slightly high percent recovery; however, normalized difference is acceptable.

CERTIFICATION OF ACCURACY

I certify that this data report is in compliance with the terms and conditions of the Purchase Order, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the cognizant project manager or his/her designee to be accurate as verified by the following signature.



M.R. McDougall
Laboratory Manager

Date: 12/5/2006

SECTION IV
ANALYTICAL RESULTS SUMMARY

Eberline Services

Final Report of Analysis

Gregory Miller
ICON Environmental Services, Inc.
1055 Conventon St, 2nd Flr
Baton Rouge, LA 70802-4771

Report To:

Work Order Details:

SDG: 06-11072

Project: VPSB-White Lake

Analysis Category: ENVIRONMENTAL

Sample Matrix: WA

Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	TPU	MDA	Report Units
06-11072-01	LCS	KNOWN	11/17/06 00:00	11/17/2006	11/27/2006	06-11072	Radium-226	EPA 903.0 Modified	1.03E+01	4.75E-01			pCi/l
06-11072-01	LCS	SPIKE	11/17/06 00:00	11/17/2006	11/27/2006	06-11072	Radium-226	EPA 903.0 Modified	9.81E+00	1.31E+00	6.69E-01	2.23E-01	pCi/l
06-11072-02	MBL	BLANK	11/17/06 00:00	11/17/2006	11/27/2006	06-11072	Radium-226	EPA 903.0 Modified	2.45E-02	7.57E-02	3.86E-02	2.62E-01	pCi/l
06-11072-03	DUP	WW-2	11/14/06 11:25	11/17/2006	11/27/2006	06-11072	Radium-226	EPA 903.0 Modified	3.22E+00	2.21E+00	1.13E+00	3.04E+00	pCi/l
06-11072-04	TRG	B-7	11/13/06 13:30	11/17/2006	11/27/2006	06-11072	Radium-226	EPA 903.0 Modified	1.77E+01	1.04E+01	5.32E+00	1.27E+01	pCi/l
06-11072-05	TRG	B-5	11/13/06 12:30	11/17/2006	11/27/2006	06-11072	Radium-226	EPA 903.0 Modified	2.24E+00	2.01E+00	1.03E+00	3.32E+00	pCi/l
06-11072-06	TRG	B-15	11/13/06 14:45	11/17/2006	11/27/2006	06-11072	Radium-226	EPA 903.0 Modified	2.05E+01	6.39E+00	3.26E+00	3.29E+00	pCi/l
06-11072-07	TRG	B-3	11/10/06 11:50	11/17/2006	11/27/2006	06-11072	Radium-226	EPA 903.0 Modified	5.81E+00	2.99E+00	1.52E+00	2.42E+00	pCi/l
06-11072-08	TRG	WW-1	11/14/06 10:40	11/17/2006	11/27/2006	06-11072	Radium-226	EPA 903.0 Modified	4.97E-01	9.34E-01	4.76E-01	2.55E+00	pCi/l
06-11072-09	DO	WW-2	11/14/06 11:25	11/17/2006	11/27/2006	06-11072	Radium-226	EPA 903.0 Modified	1.73E+00	1.58E+00	8.05E-01	1.63E+00	pCi/l
06-11072-10	TRG	B-6	11/10/06 15:15	11/17/2006	11/27/2006	06-11072	Radium-226	EPA 903.0 Modified	5.00E+00	2.78E+00	1.42E+00	2.73E+00	pCi/l
06-11072-11	TRG	B-19	11/10/06 14:00	11/17/2006	11/27/2006	06-11072	Radium-226	EPA 903.0 Modified	4.17E+00	2.40E+00	1.22E+00	2.31E+00	pCi/l
06-11072-12	TRG	B-2	11/10/06 09:55	11/17/2006	11/27/2006	06-11072	Radium-226	EPA 903.0 Modified	5.17E+00	2.60E+00	1.33E+00	2.31E+00	pCi/l
06-11072-13	TRG	B-1	11/10/06 07:50	11/17/2006	11/27/2006	06-11072	Radium-226	EPA 903.0 Modified	1.44E+00	1.49E+00	7.60E-01	2.80E+00	pCi/l
06-11072-01	LCS	KNOWN	11/17/06 00:00	11/17/2006	11/30/2006	06-11072	Radium-228	EPA 904.0 Modified	1.90E+01	8.55E-01			pCi/l
06-11072-01	LCS	SPIKE	11/17/06 00:00	11/17/2006	11/30/2006	06-11072	Radium-228	EPA 904.0 Modified	2.33E+01	1.07E+00	9.10E-01	7.52E-01	pCi/l
06-11072-02	MBL	BLANK	11/17/06 00:00	11/17/2006	11/30/2006	06-11072	Radium-228	EPA 904.0 Modified	1.52E-01	4.66E-01	2.38E-01	7.97E-01	pCi/l
06-11072-03	DUP	WW-2	11/14/06 11:25	11/17/2006	11/30/2006	06-11072	Radium-228	EPA 904.0 Modified	1.01E+00	5.08E-01	2.61E-01	8.12E-01	pCi/l
06-11072-04	TRG	B-7	11/13/06 13:30	11/17/2006	11/30/2006	06-11072	Radium-228	EPA 904.0 Modified	1.15E+00	4.46E-01	2.30E-01	6.92E-01	pCi/l
06-11072-05	TRG	B-5	11/13/06 12:30	11/17/2006	11/30/2006	06-11072	Radium-228	EPA 904.0 Modified	2.15E+00	6.49E-01	3.38E-01	9.80E-01	pCi/l
06-11072-06	TRG	B-15	11/13/06 14:45	11/17/2006	11/30/2006	06-11072	Radium-228	EPA 904.0 Modified	3.77E+00	8.44E-01	4.47E-01	1.21E+00	pCi/l
06-11072-07	TRG	B-3	11/10/06 11:50	11/17/2006	11/30/2006	06-11072	Radium-228	EPA 904.0 Modified	1.13E+00	6.18E-01	3.17E-01	9.93E-01	pCi/l
06-11072-08	TRG	WW-1	11/14/06 10:40	11/17/2006	11/30/2006	06-11072	Radium-228	EPA 904.0 Modified	1.01E+00	5.28E-01	2.71E-01	8.43E-01	pCi/l
06-11072-09	DO	WW-2	11/14/06 11:25	11/17/2006	11/30/2006	06-11072	Radium-228	EPA 904.0 Modified	9.39E-01	5.09E-01	2.61E-01	8.16E-01	pCi/l
06-11072-10	TRG	B-6	11/10/06 15:15	11/17/2006	11/30/2006	06-11072	Radium-228	EPA 904.0 Modified	2.81E+00	6.29E-01	3.33E-01	8.72E-01	pCi/l
06-11072-11	TRG	B-19	11/10/06 14:00	11/17/2006	11/30/2006	06-11072	Radium-228	EPA 904.0 Modified	1.79E+00	7.57E-01	3.90E-01	1.19E+00	pCi/l
06-11072-12	TRG	B-2	11/10/06 09:55	11/17/2006	11/30/2006	06-11072	Radium-228	EPA 904.0 Modified	1.37E+00	6.31E-01	3.25E-01	1.00E+00	pCi/l
06-11072-13	TRG	B-1	11/10/06 07:50	11/17/2006	11/30/2006	06-11072	Radium-228	EPA 904.0 Modified	-7.26E-02	4.87E-01	2.49E-01	8.51E-01	pCi/l

CU=Counting Uncertainty; TPU=Total Propagated Uncertainty; MDA=Minimal Detected Activity; LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original



Oak Ridge Laboratory

601 Scarboro Road, Oak Ridge, TN 37830 865/481-0683 FAX 865/483-4621

SECTION V
ANALYTICAL STANDARD



National Institute of Standards & Technology

Ba-6
(#6a)

Certificate

Standard Reference Material 4251C Barium-133 Radioactivity Standard

This Standard Reference Material (SRM) consists of radioactive barium-133 chloride, non-radioactive barium chloride, and hydrochloric acid dissolved in 5 mL of distilled water. The solution is contained in a flame-sealed NIST borosilicate-glass ampoule. The SRM is intended for the calibration of ionization chambers and solid-state gamma-ray spectrometry systems.

Radiological Hazard

The SRM ampoule contains barium-133 with a total activity of approximately 2.5 MBq. Barium-133 decays by electron capture and during the decay process X-rays and gamma rays with energies from 4 to 400 keV are emitted. Most of these photons escape from the SRM ampoule and can represent a radiation hazard. Approximate unshielded dose rates at several distances (as of the reference time) are given in note [a]*. Appropriate shielding and/or distance should be used to minimize personnel exposure. The SRM should be used only by persons qualified to handle radioactive material.

Chemical Hazard

The SRM ampoule contains hydrochloric acid (HCl) with a concentration of 1 mole per liter of water. The solution is corrosive and represents a health hazard if it comes in contact with eyes or skin. If the ampoule is to be opened to transfer the solution, the recommended procedure is given on page 2. The ampoule should be opened only by persons qualified to handle both radioactive material and strong acid solution.

Storage and Handling

The SRM should be stored and used at a temperature between 5 and 65 °C. The solution in an unopened ampoule should remain stable and homogeneous until at least June 2004.

The ampoule (or any subsequent container) should always be clearly marked as containing radioactive material. If the ampoule is transported it should be packed, marked, labeled, and shipped in accordance with the applicable national, international, and carrier regulations. The solution in the ampoule is a dangerous good (hazardous material) both because of the radioactivity and because of the strong acid.

Preparation

This Standard Reference Material was prepared in the Physics Laboratory, Ionizing Radiation Division, Radioactivity Group, J.M.R. Hutchinson, Group Leader. The overall technical direction and physical measurements leading to certification were provided by L.L. Lucas of the Radioactivity Group and D.B. Golas, Nuclear Energy Institute Research Associate.

The support aspects involved in the preparation, certification, and issuance of this SRM were coordinated through the Standard Reference Materials Program by N.M. Trahey.

Gaithersburg, Maryland 20899
October 1994

Thomas E. Gills, Chief
Standard Reference Materials Program



QUALITY CONTROL PROGRAM
QCP-009

Rev.8; 11/10/03
Title: Radioactive Reference Standards Solutions & Records

EBERLINE SERVICES - OAK RIDGE LABORATORY
RADIOACTIVE REFERENCE SOLUTIONS
PRIMARY DILUTION RECERTIFICATION
QCP 009-1

SOLUTION REFERENCE # NIST SRM4251C CURRENT DATE 11/6/2006 0:00
SOLUTION # Ba-6

Principal Radionuclide ¹³³Barium Half Life, Years 1.048E+01 Half Life, Days 3.828E+03

Radionuclide ¹³³Barium Reference Date 9/1/1993 0:00
Certified Activity μCi
Certified Concentration 1.318E+01 $\mu\text{Ci per gram}$

Ampoule /Solution Gross	<u>9.3081</u>	Weight, Grams
Empty Ampoule	<u>4.2582</u>	Weight, Grams
Solution Net	<u>5.0499</u>	Weight, Grams
Total Activity in Ampoule	<u>66.5577</u>	μCi

Chemical Composition of Standard Solution

¹³³BaCl₂ in 1M HCl

Dilution Instructions: Dilution Solvent Used 1M HCl

Dilute to a volume of 1000.00 milliliters

Certified Total Activity of 66.5577 μCi Which Equals 1.478E+08 dpm at the date listed above

And after dilution the activity of this solution is 1.478E+05 dpm/ml This activity concentration is based on the original reference date listed above. All activities are corrected to the date and time of analysis by the laboratory data processing software.

Expiration Date: November 6, 2007

Recertified By [Signature] Date: 11/18/06

Verified & Approved By [Signature] Date: 11/27/06

QC Approval [Signature] Date: 11/27/06



QUALITY CONTROL PROGRAM
QCP-009

Rev.8; 11/10/03
Title: Radioactive Reference Standards Solutions & Records

EBERLINE SERVICES - OAK RIDGE LABORATORY
RADIOACTIVE REFERENCE STANDARD SOLUTIONS
SECONDARY DILUTION RECERTIFICATION

Solution Reference # QCP-009-1-A Date 11/6/06
NIST SRM4251C Solution # Ba-6a

Principal Radionuclide	Half Life, Years	Half Life, Days
¹³³ Ba	1.048E+01	3.828E+03

Radionuclide of Interest ¹³³Ba Reference Date 9/1/1993 0:00
Parent Solution Conc. 1.48E+05 dpm/ml

Chemical Composition of Standard Solution
¹³³BaCl₂ in 1M HCl

Dilution Instructions: Dilution Solvent Used 1M HCl

SECONDARY VOLUMETRIC DILUTION

Vol. Parent Solution:	<u>25.0000</u> ml	Final Activity Concentration:	<u>3.6950E+03</u> dpm/ml
Total Activity:	<u>3.6950E+06</u> dpm		
Final Volume:	<u>1000.00</u> ml		

NOTES:

This activity concentration is based on the original reference date listed above. All activities are corrected to the date and time of analysis by the laboratory data processing software.

Expiration Date: November 6, 2007

Recertified By [Signature]

Date: 11/18/06

Verified & Approved By [Signature]

Date: 11/27/06

QC Approval [Signature]

Date: 11/27/06

CERTIFICATE OF CALIBRATION ALPHA STANDARD SOLUTION

^{Ra-5}
QA/QC REVIEWED
Date 2/8/94 Initials WT

Radionuclide: Ra-226
Half Life: 1600 ± 7 years
Catalog No.: 7226
Source No.: 453-26

Customer: TMA EBERLINE
P.O.No.: VH1888
Reference Date: February 1 1994 12:00 PST.
Contained Radioactivity: (Ra-226) 1.001 μCi.
Contained Radioactivity: (Ra-226) 37.0 kBq.

Description of Solution

a. Mass of solution: 5.1864 g (in a 5 ml Flame Sealed Ampoule)
b. Chemical form: Ra(NO₃)₂ in 1 N HNO₃
c. Carrier content: None added
d. Density: 1.0318 g/ml @ 20°C.

Radioimpurities: None detected (other than daughters)

Radioactive Daughters

Rn-222, Po-218, At-218, Pb-214, Bi-214, Po-214, Tl-210, Pb-210, Bi-210, Po-210 and Tl-206.

Radionuclide Concentration

(Ra-226) 0.1929 μCi/g.

Method of Calibration

Weighed aliquots of the solution were assayed using gamma spectrometry:
Energy peak(s) integrated under: 186 keV.
Branching ratio(s) used: 0.0351 gamma rays per decay.

Uncertainty of Measurement

a. Systematic uncertainty in instrument calibration: ±3.4%
b. Random uncertainty in assay: ±3.1%
c. Random uncertainty in weighing(s): ±0.2%
d. Total uncertainty at the 99% confidence level: ±4.6%

NIST Traceability

This calibration is implicitly traceable to the National Institute of Standards and Technology.

Leak Test(s)

See reverse side for Leak Test(s) applied to this source.

Notes

1. Nuclear data were taken from "Table of Radioactive Isotopes", edited by Virginia S. Shirley, 1986.
2. IPL participates in an NIST measurement assurance program to establish and maintain implicit traceability for a number of nuclides, based on the blind assay (and later NIST certification) of Standard Reference Materials (As in NRC Regulatory Guide 4.15).



Ana U. Kuen
QUALITY CONTROL
Feb. 3, 1994
Date Signed



QUALITY CONTROL PROGRAM

MP 009

Rev.8; 11/01/03

Title: Radioactive Reference Standards Solutions & Records

EBERLINE SERVICES - OAK RIDGE LABORATORY RADIOACTIVE REFERENCE SOLUTIONS PRIMARY DILUTION RECERTIFICATION MP 009

SOLUTION REFERENCE # IPL 453-26 CURRENT DATE 1/4/2006 0:00
SOLUTION # Ra-5

Principal Radionuclide ²²⁶Radium Half Life, Years 1.600E+03 Half Life, Days 5.844E+05

Radionuclide ²²⁶Radium Reference Date 2/1/1994 0:00
Certified Activity 1.001E+00 μCi
Certified Concentration $\mu\text{Ci per gram}$

Ampoule /Solution Gross Weight, Grams
Empty Ampoule Weight, Grams
Solution Net Weight, Grams
Total Activity in Ampoule 1.0010 μCi

Chemical Composition of Standard Solution

²²⁶Ra(NO₃)₂ in 1M HNO₃

Dilution Instructions: Dilution Solvent Used 1M HNO₃

Dilute to a volume of 1000.00 milliliters

Certified Total Activity of 1.0010 μCi Which Equals 2.222E+06 dpm at the date listed above

And after dilution the activity of this solution is 2.222E+03 dpm/ml
This activity concentration is based on the original reference date listed above. All activities are corrected to the date and time of analysis by the laboratory data processing software.

Expiration Date: January 4, 2007

Diluted By *[Signature]* Date: 1/4/2006

Verified & Approved By *[Signature]* Date: 1/4/2006

QC Approval *[Signature]* Date: 1/4/2006



QUALITY CONTROL PROGRAM

MP 009

Rev.8; 11/01/03

Title: Radioactive Reference Standards Solutions & Records

EBERLINE SERVICES - OAK RIDGE LABORATORY
RADIOACTIVE REFERENCE STANDARD SOLUTIONS
SECONDARY DILUTION RECERTIFICATION

Solution Reference # IPL-453-26

Date 1/4/2006 0:00
Solution # Ra-5b

Principal Radionuclide 226Radium
Half Life, Years 1.600E+03
Half Life, Days 5.844E+05

Radionuclide of Interest 226Radium
Parent Solution Conc. 2.22E+03 dpm/ml
Reference Date 2/1/1994 0:00

Chemical Composition of Standard Solution

226Ra(NO3)2 in 1M HNO3

Dilution Instructions: Dilution Solvent Used 1M HNO3

SECONDARY VOLUMETRIC DILUTION

Vol. Parent Solution: 20.0000 ml
Total Activity: 4.4440E+04 dpm
Final Volume: 1000.00 ml

Final Activity Concentration: 4.4440E+01 dpm/ml

This activity concentration is based on the original reference date listed above. All activities are corrected to the date and time of analysis by the laboratory data processing software.

NOTES:

Expiration Date: January 4, 2007

Diluted By [Signature]

Date: 1/4/2006 0:00

Verified & Approved By [Signature]

Date: 1/4/2006 0:00

QC Approval [Signature]

Date: 1/4/2006 0:00

CERTIFICATE OF CALIBRATION

Standard Radionuclide Source

61680-416

Ra-228 5 mL Liquid in Flame Sealed Vial

This standard radionuclide source was prepared gravimetrically from a calibrated master solution. The master solution was calibrated using a germanium gamma spectrometer system.

Radionuclide purity and calibration were checked using a germanium gamma spectrometer system. The nuclear decay rate and assay date for this source are given below.

ANALYTICS maintains traceability to the National Institute of Standards and Technology through Measurements Assurance Programs as described in USNRC Reg. Guide 4.15, Revision 1.

ISOTOPE:	Ra-228
ACTIVITY (dps):	3.586 E3
HALF-LIFE:	5.75 years
CALIBRATION DATE:	June 4, 2001 12:00 EST
TOTAL UNCERTAINTY*:	5.1%
SYSTEMATIC:	3.6%
RANDOM:	1.5%

SOURCE RECEIVED
 DATE 6/11/01 INITIALS *SP*

*99% Confidence Level

Impurities: γ -impurities (other than decay products) <0.1%5.00872 grams 0.1M HCl solution with 50 μ g/g Ba carrier.

P O NUMBER 00008864, Item 1

SOURCE PREPARED BY:

M. D. Currie
 M. D. Currie, Radiochemist

Q A APPROVED:

ACM 6/8/01



QUALITY CONTROL PROGRAM
MP-009

Rev.8; 1/10/03
Title: Radioactive Reference Standards Solutions & Records

EBERLINE SERVICES - OAK RIDGE LABORATORY
RADIOACTIVE REFERENCE SOLUTIONS
PRIMARY DILUTION RECERTIFICATION
MP 009

SOLUTION REFERENCE # Analytix 61680-416 CURRENT DATE 1/10/2006 0:00
SOLUTION # Ra-10

Principal Radionuclide ²²⁸Ra Half Life, Years 5.750E+00 Half Life, Days 2.100E+03

Radionuclide ²²⁸Ra Reference Date 6/4/2001 0:00
Certified Activity 9.692E-02 μCi
Certified Concentration $\mu\text{Ci per gram}$

Ampoule /Solution Gross	<u>9.4982</u>	Weight, Grams
Empty Ampoule	<u>4.4895</u>	Weight, Grams
Solution Net	<u>5.0087</u>	Weight, Grams
Total Activity in Ampoule	<u>0.0969</u>	μCi

Chemical Composition of Standard Solution

²²⁸Ra(NO₃)₂ in 0.5 M HCl

Dilution Instructions: Dilution Solvent Used 0.5 M HCl

Dilute to a volume of 1000.00 milliliters

Certified Total Activity of 0.0969 μCi Which Equals 2.152E+05 dpm at the date listed above

And after dilution the activity of this solution is 2.152E+02 dpm/ml

This activity concentration is based on the original reference date listed above. All activities are corrected to the date and time of analysis by the laboratory data processing software.

Expiration Date: January 10, 2007

Recertified By [Signature] Date: 1/10/2006 0:00

Verified & Approved By [Signature] Date: 1/10/2006 0:00

QC Approval [Signature] Date: 1/10/2006 0:00

SECTION VI
QUALITY CONTROL SAMPLE RESULTS SUMMARY

WO	Analysis	Run	Activity Units	Aliquot Units	Client Name
06-11072	Ra226	1	pCi	1	ICON Environmental Services, Inc.

Laboratory Control Sample

Analyte	Normalized Difference	LCS Measured	TPU Measured	LCS Expected	Uncert. Expected	Known	Known Error	Result	TPU	Standard ID	Standard ACT (dpm)	Standard Error	Standard Added (g)
RA-226	0.70	95.03%	14.21%	100.00%	4.60%	1.03E+01	4.75E-01	9.81E+00	1.39E+00	Ra-5b	4.42E+01	4.60E+00	5.19E-01

Matrix Spike

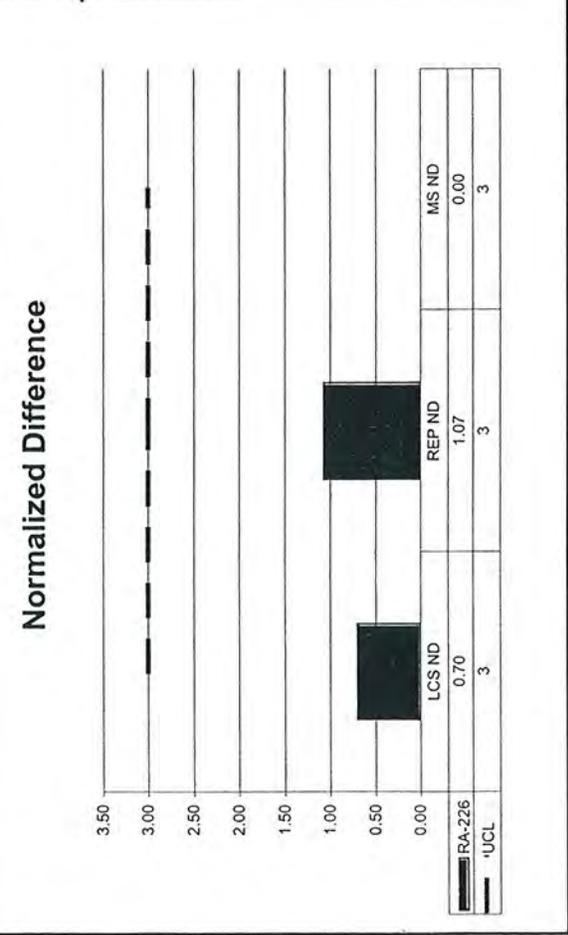
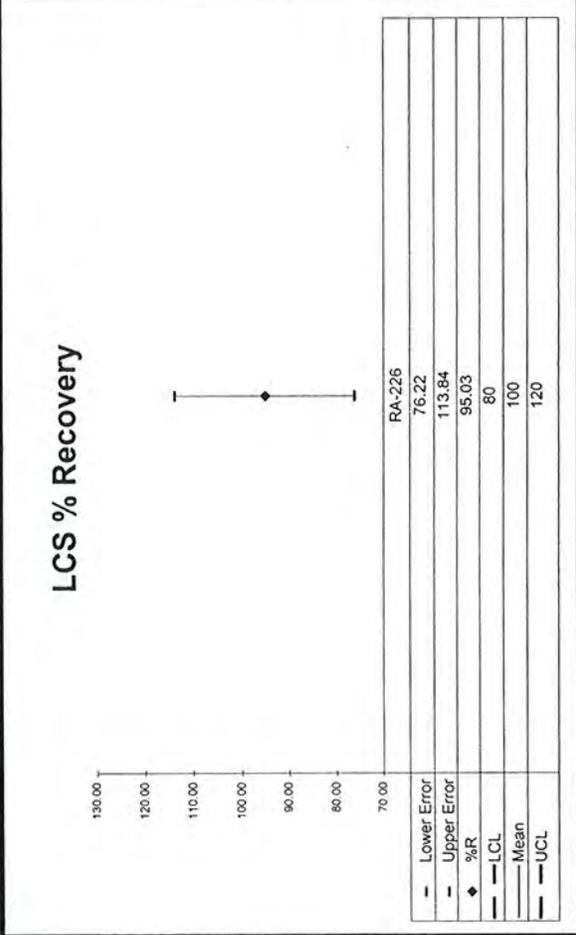
Analyte	Normalized Difference	MS Actual % Rec	Expected MS Result	Expected MS Uncert	Actual MS Result	Actual MS TPU	Sample Result	Sample TPU	Sample Aliquot	Standard ID	Standard ACT (dpm)	Standard Error %	Standard Added (g)

Replicate Sample

Analyte	Normalized Difference	RPD	Original Result	Original TPU	Replicate Result	Replicate TPU	LCS Relative Bias	LCS % R	LCS ND	MS % R	MS ND	Rep RPD	Rep ND
RA-226	1.07	60.05	1.73E+00	1.58E+00	3.22E+00	2.21E+00	0.95	OK	OK			INV.	OK

QC Summary

WO	Analysis	Run	Activity Units	Aliquot Units	Client Name
06-11072	Ra226	1	pCi	I	ICON Environmental Services, Inc.



No Matrix Spike

WO	Analysis	Run	Activity Units	Aliquot Units	Client Name
06-11072	Ra228	1	pCi	I	ICON Environmental Services, Inc.

Laboratory Control Sample

Analyte	Normalized Difference	LCS Measured	TPU Measured	LCS Expected	Uncert. Expected	Known	Known Error	Result	TPU	Standard ID	Standard ACT (dpm)	Standard Error	Standard Added (g)
RA-228	1.96	122.63%	18.27%	100.00%	4.50%	1.90E+01	8.55E-01	2.33E+01	4.26E+00	Ra-10	1.11E+02	4.50E+00	3.79E-01

Matrix Spike

Analyte	Normalized Difference	MS Actual % Rec	Expected MS Result	Expected MS Uncert	Actual MS Result	Actual MS TPU	Sample Result	Sample TPU	Sample Aliquot	Standard ID	Standard ACT (dpm)	Standard Error %	Standard Added (g)

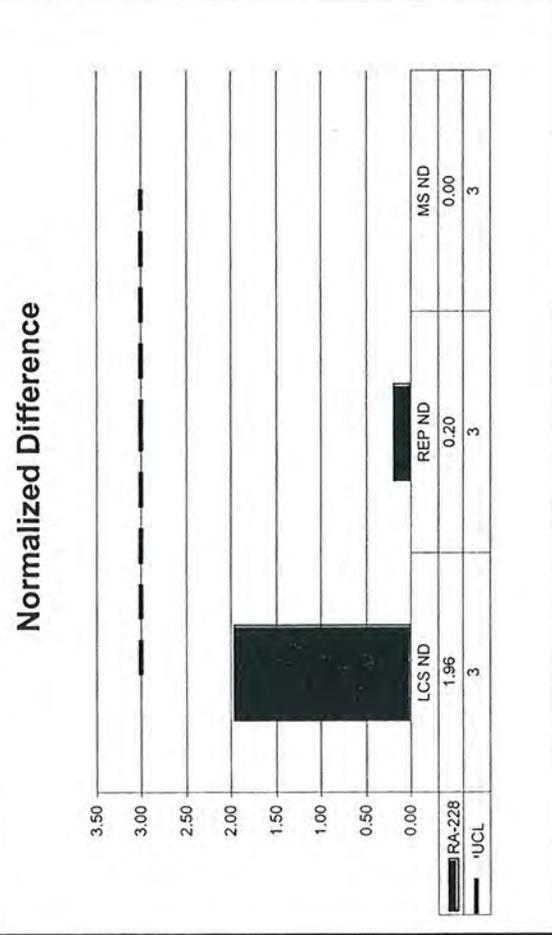
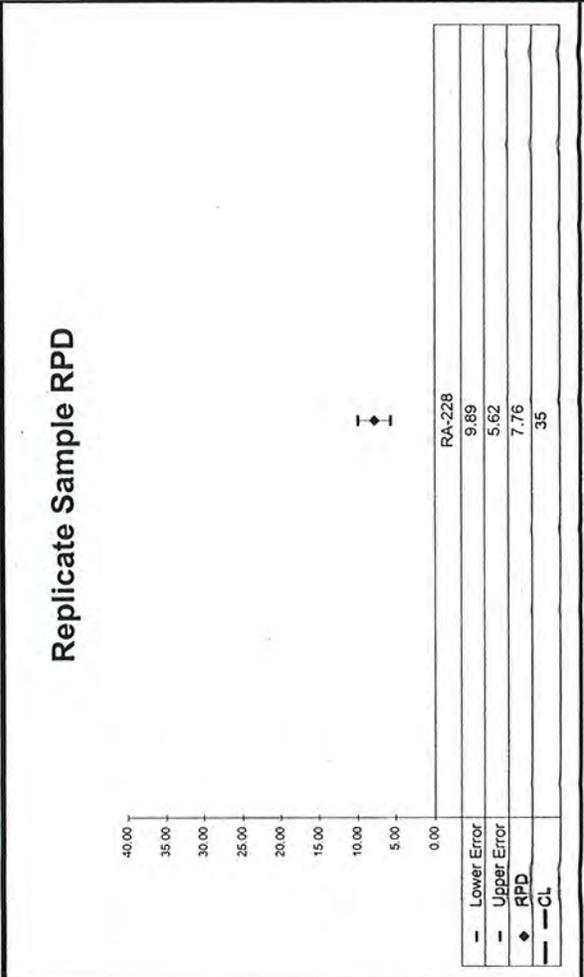
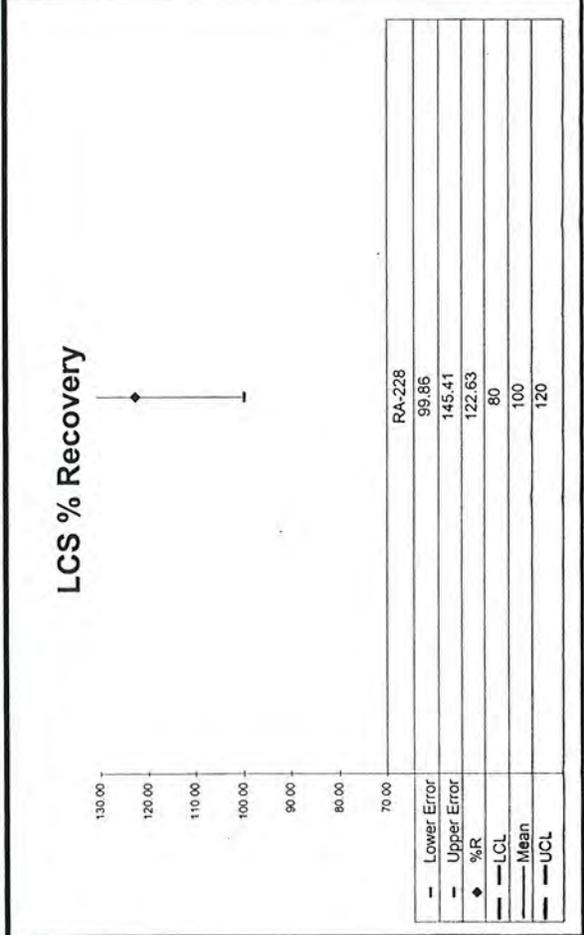
Replicate Sample

Analyte	Normalized Difference	RPD	Original Result	Original TPU	Replicate Result	Replicate TPU	LCS Relative Bias	LCS % R	LCS ND	MS % R	MS ND	Rep RPD	Rep ND
RA-228	0.20	7.76	9.39E-01	5.35E-01	1.01E+00	5.38E-01	1.23	INV	OK			OK	OK

QC Summary

Analyte	Normalized Difference	RPD	Original Result	Original TPU	Replicate Result	Replicate TPU	LCS Relative Bias	LCS % R	LCS ND	MS % R	MS ND	Rep RPD	Rep ND
RA-228	0.20	7.76	9.39E-01	5.35E-01	1.01E+00	5.38E-01	1.23	INV	OK			OK	OK

WO	Analysis	Run	Activity Units	Aliquot Units	Client Name
06-11072	Ra228	1	pCi	I	ICON Environmental Services, Inc.



No Matrix Spike

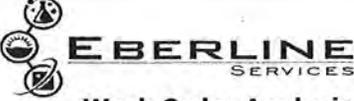
SECTION VII
LABORATORY TECHNICIAN'S NOTES
& RUN LOGS

RA-226 NOTES

 <p>Work Order Analysis Notes</p>	<p>Oak Ridge Laboratory 601 Scarboro Rd. Oak Ridge, TN 37830 Voice: 865.481.0683 www.eberlineservices.com</p>	Internal Work Order	06-11072
		Analysis Code	Ra226
		Run Number	1

#	Date	Dept	User	Notes
1	11/17/06 12:06	PREP	JBARNARD	ALIUQUOTED AND ADDED SPIKES AND TRACERS- PH'D SAMPLES TO 2.8-3.0- PRECIPITATED WITH BA AND PB CARRIERS AND AMMONIUM SULFATE- DECANTED SAMPLES AND CENTRIFUGED- SUBMITTED RADIUM PRECIP TO SEPARATIONS

JBarnard
11/17/06

 <p>Work Order Analysis Notes</p>	<p>Oak Ridge Laboratory 601 Scarboro Rd. Oak Ridge, TN 37830 Voice: 865.481.0683 www.eberlineservices.com</p>	Internal Work Order	06-11072
		Analysis Code	Ra226
		Run Number	1

#	Date	Dept	User	Notes
1	11/17/06 12:06	PREP	JBARNARD	ALIQUOTED AND ADDED SPIKES AND TRACERS- PH'D SAMPLES TO 2.8-3.0- PRECIPITATED WITH BA AND PB CARRIERS AND AMMONIUM SULFATE- DECANTED SAMPLES AND CENTRIFUGED- SUBMITTED RADIUM PRECIP TO SEPARATIONS
2	11/21/06 14:26	CHEM	DJOHNSON	Dissolved samples in EDTA with vortexing. Needed to syringe-filter samples due to insolubles.Re-precipitated samples with glacial acetic acid and ammonium sulfate. Filtered samples on tarred filters and then rinsed c-tubes and funnels with diH2O and filtered.Dried and reweighed samples. Sample#4 was dark brown and heavier than the rest of the set. Submitted samples to the count room.

D 11/22/06



Reagents Used in an Analysis

Internal Work Order

06-11072

Analysis Code

Run

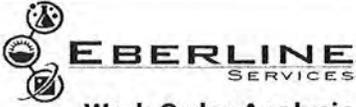
Ra226

1

Reagent ID	Reagent Name	Reagent Concentration	Analyst ID	Date Recorded
004856P	Ammonium Hydroxide	Reagent Grade	JBARNARD	11/17/2006
002248D13	Ammonium Sulfate	200 mg/ml	JBARNARD	11/17/2006
003255D18	Barium Carrier	1 mg/ml	JBARNARD	11/17/2006
004484D04	Lead Carrier	166 mg/ml	JBARNARD	11/17/2006
005026P	Nitric Acid	Reagent Grade	JBARNARD	11/17/2006
000868P	Acetic Acid	Reagent Grade	DJOHNSON	11/21/2006
002851D06	Ammonium Sulfate	200 mg/ml	DJOHNSON	11/21/2006
004976S	EDTA	0.25M	DJOHNSON	11/21/2006

DATE	SAMPLE#	CLIENT	LOAD TIME	CT. TIME	ANALYSIS	TECH
11/25/06	DAILY PULSER	LAB	12:15	10 MIN	MA	AG
11/25/06	0611073A (1-4)	DFS	12:56	2HR50MIN	Pu-242	AG
11/25/06	0611073A NT (4)	DFS	12:59	2HR50MIN	TH (NT)	AG
11/25/06	0611073A (1-4)	DFS	12:59	2HR50MIN	ISO-TH	AG
11-27-06	Daily pulser	LAB	0349	10m	MA	μ
11-27-06	0611072A (1-3)	HD of NR	0447	2HR 50m	Ra	μ
11-27-06	0611076A (1-7)	Stoller/NAV	0832	5HR 35m	Uu	μ
11-27-06	0611076A (1-6)	Stoller/NAV	0832	5HR 35m	Pu	μ
11-27-06	0611072A (1-13)	ICON	14:57	2HR 50m	Ra	SD

RA-228 NOTES



Work Order Analysis Notes

Oak Ridge Laboratory
 601 Scarboro Rd.
 Oak Ridge, TN 37830
 Voice: 865.481.0683
 www.eberlineservices.com

Internal Work Order

06-11072

Analysis Code

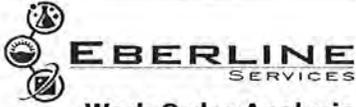
Ra228

Run Number

1

#	Date	Dept	User	Notes
1	11/17/06 12:06	PREP	JBARNARD	ALIUQUOTED AND ADDED SPIKES AND TRACERS- PH'D SAMPLES TO 2.8-3.0- PRECIPITATED WITH BA AND PB CARRIERS AND AMMONIUM SULFATE- DECANTED SAMPLES AND CENTRIFUGED- SUBMITTED RADIUM PRECIP TO SEPARATIONS

JBarnard
 11/17/06



Work Order Analysis Notes

Oak Ridge Laboratory
 601 Scarboro Rd.
 Oak Ridge, TN 37830
 Voice: 865.481.0683
 www.eberlineservices.com

Internal Work Order

06-11072

Analysis Code

Ra228

Run Number

1

#	Date	Dept	User	Notes
1	11/17/06 12:06	PREP	JBARNARD	ALIUQUOTED AND ADDED SPIKES AND TRACERS- PH'D SAMPLES TO 2.8-3.0- PRECIPITATED WITH BA AND PB CARRIERS AND AMMONIUM SULFATE- DECANTED SAMPLES AND CENTRIFUGED- SUBMITTED RADIUM PRECIP TO SEPARATIONS
2	11/21/06 14:30	CHEM	DJOHNSON	Due to high solids content the Ra226 and the Ra228 were run separately. Dissolved samples in EDTA with vortexing. Re-precipitated samples with glacial acetic acid and ammonium sulfate. T0 time of 1315 hours was recorded. Filtered samples on tarred filters and then rinsed c-tubes and funnels with diH2O and filtered. Dried samples and submitted samples to the count room ASAP after dry and reweight.
3	11/27/06 07:37	CHEM	DJOHNSON	Filters were returned from the count room and were placed into centrifuge tubes with EDTA.
4	11/29/06 10:12	CHEM	DJOHNSON	Removed filters from soaking and discarded them. Adjusted PH and added Yttrium carrier. Removed Lead interferences through two Lead Sulfide precipitations.
5	11/30/06 08:00	CHEM	DJOHNSON	Added 10mls of 18M NaOH to samples and recorded T1 time of 0625 hours. Hot bathed and centrifuged samples. The supernates were discarded. Dissolved samples in 2mls of 6N HNO3. Then added 5mls of DiH2O and 3mls of 10M NaOH.
6	11/30/06 08:00	CHEM	DJOHNSON	Then vortexed, hot bathed and centrifuged samples. The supernates were discarded. Then added 2mls of 1N HNO3 and 2mls of 5% Ammonium Oxalate. Samples were vortexed, hot bathed and centrifuged. The supernates were then discarded. The precipitates were
7	11/30/06 08:00	CHEM	DJOHNSON	slurried with 5mls of DiH2O and vortexing. The samples were filtered on tarred filters. The c-tubes and funnels were rinsed with DiH2O and filtered. The filters were dried, reweighed and mounted on planchets.
8	11/30/06 08:00	CHEM	DJOHNSON	Samples were covered in aluminum foil and submitted to the count room.

DJ 11/30/06



Reagents Used in an Analysis

Internal Work Order

06-11072

Analysis Code

Run

Ra228

1

Reagent ID	Reagent Name	Reagent Concentration	Analyst ID	Date Recorded
004856P	Ammonium Hydroxide	Reagent Grade	JBARNARD	11/17/2006
002248D13	Ammonium Sulfate	200 mg/ml	JBARNARD	11/17/2006
003255D18	Barium Carrier	1 mg/ml	JBARNARD	11/17/2006
004484D04	Lead Carrier	166 mg/ml	JBARNARD	11/17/2006
005026P	Nitric Acid	Reagent Grade	JBARNARD	11/17/2006
000868P	Acetic Acid	Reagent Grade	DJOHNSON	11/21/2006
002248D03	Ammonium Sulfate	200 mg/ml	DJOHNSON	11/21/2006
004976S	EDTA	0.25M	DJOHNSON	11/29/2006
004484D05	Lead Carrier	1.5 mg/ml	DJOHNSON	11/29/2006
004879P	Nitric Acid	Reagent Grade	DJOHNSON	11/29/2006
002299S	Yttrium Carrier	9 mg/ml	DJOHNSON	11/29/2006
004908D06	Ammonium Sulfide	2%	DJOHNSON	11/29/2006
000037D01	Ammonium Oxalate	5%	DJOHNSON	11/30/2006
005026D03	Nitric Acid	1N	DJOHNSON	11/30/2006
005003D03	Nitric Acid	6N	DJOHNSON	11/30/2006
004831D06	Sodium Hydroxide	10M	DJOHNSON	11/30/2006
004831D04	Sodium Hydroxide	18M	DJOHNSON	11/30/2006

LB4110 Red

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DATE	SAMPLE #	CLIENT	LOAD TIME	CT. TIME	ANALYSIS	TECH
11-27-06	06110640A (1-3)	Duratek	17:00	30 min	Cl 36	JD
11-28-06	Daily Bkgd / ac	LAB	0548 / 0501	1hr / 30m	Bkgd / Sr 90	JD
11-28-06	0611044 NPA (1-6)	M. E. EC	0206	10m	Np	JD
11-28-06	0611062 RA1 (1-3,4)	WR Grace	0831	3HR	Ra	JD
11-28-06	0611075 SA (1-4)	Stoller/AMV	0932	8HR	Sr tot	JD
11-28-06	0611065A (1-12)	Duratek	13:15	4 HR	Sr 90	JD
11-29-06	Daily Bkgd / ac	LAB	0556 / 0506	1hr / 30m	Bkgd / Sr 90	JD
11-29-06	0611076 SA1 (6,7)	Stoller/AMV	0748	4HR	Sr tot	JD
11-29-06	0611069 RA (1-6)	HETI	0758	3HR	Ra	JD
11-29-06	0611065 NPA (1-8)	Duratek	12:20	10m	Np	JD
11-29-06	0611041 SA (1-6)	Shaw	12:45	2 HR	Sr TOT	JD
11-29-06	0611042 SA (1,16)	Shaw	12:50	30 mL	Sr TOT	JD
11-29-06	0611042 SA (2, 3, 4, 6, 10, 11)	Shaw	15:20	4 HR	Sr TOT	JD
11-30-06	Daily Bkgd / ac	LAB	0543 / 0504	1hr / 30m	Sr 90 Bkgd / Sr 90	JD
11-30-06	0611042 NPA (1-3, 10, 11)	Shaw	0825	10m	Np	JD
11-30-06	0611057 NPA (1-6)	USG	0839	10m	Np	JD
11-30-06	0611072 RA (1-10)	ICON	0854	3HR	Ra 228	JD

LD 4110

Aqua

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Date	Sample #	Client	Load time	Count time	Analysis	Techn
11-28-06	Daily Bkgd / ac	LABS	0501 / 0607	1HR / 30m	Bkgd / Sr 20	fn
11-28-06	0611085RA (1-5)	ECC	0821	3HR	Ra	fn
11-28-06	06110655A (13-19)	Duratek	13:20	4HR	Sr 90	SD
11-28-06	0611087AB (1-5)	Lowry	16:30	3HR	AB	SD
11-28-06	Daily Bkgd / ac	LABS	0504 / 0610	1HR / 30m	Bkgd / Sr 20	fn
11-29-06	06110765A (1-5)	Stollen/NMN	0747	4HR	Sr tot	fn
11-29-06	0611065NPA (9-13)	Duratek	12:20	10 min	Np	SD
11-29-06	0611065NPA (14-18)	Duratek	12:35	10 min	Np	SD
11-29-06	0611079AB (1)	UL	12:50	30 min	91B	SD
11-29-06	0611079AB (2-4)	UL	12:52	3HR	91B	SD
11-29-06	0611088AB (1)	St. of ND	12:53	30 min	91B	SD
11-29-06	0611079AB (5-8)	UL	16:00	3HR	91B	SD
11-30-06	Daily Bkgd / ac	LABS	0504 / 0625	1HR / 30m	Bkgd / Sr 20	fn
11-30-06	0611072RA (1-13)	Icon	0854	3HR	Ra	fn

SECTION VIII
ANALYTICAL DATA (RADIUM-226)

Work Order	06-11072
Analysis Code	Ra226
Run	1
Date Received	11/17/2006
Lab Deadline	12/1/2006
Client	ICON Environmental Services, Inc.
Project	Environmental
Report Level	4
Activity Units	pCi
Aliquot Units	I
Matrix	WA
Method	EPA 903.0 Modified
Instrument Type	Alpha Spectroscopy
Radiometric Tracer	Ba-133
Radiometric Sol#	Ba-6a
Tracer Act (dpm/g)	1543.674
Carrier	
Carrier Conc (mg/ml)	

Internal Fraction	Sample Desc	Client ID	Login CPM	Sample Date	Sample Aliquot
01	LCS	LCS		11/17/06 00:00	1.0000E+00
02	MBL	BLANK		11/17/06 00:00	1.0000E+00
03	DUP	WW-2	30	11/14/06 11:25	1.0000E-01
04	TRG	B-7	17	11/13/06 13:30	1.0000E-01
05	TRG	B-5	34	11/13/06 12:30	1.0000E-01
06	TRG	B-15	33	11/13/06 14:45	1.0000E-01
07	TRG	B-3	25	11/10/06 11:50	1.0000E-01
08	TRG	WW-1	30	11/14/06 10:40	1.0000E-01
09	DO	WW-2	30	11/14/06 11:25	1.0000E-01
10	TRG	B-6	36	11/10/06 15:15	1.0000E-01
11	TRG	B-19	32	11/10/06 14:00	1.0000E-01
12	TRG	B-2	32	11/10/06 09:55	1.0000E-01
13	TRG	B-1	31	11/10/06 07:50	1.0000E-01

* SAF1 is used for Gross Alpha and all other radionuclides. SAF2 is used for Gross Beta only. ** Actual mass exceeded the calibration curve range. Results should be qualified as appropriate.

Client
ICON Environmental Services, Inc.

Eberline Services Work Order
06-11072

Analysis Code
Ra226

Run
1



Lab Fraction	Nuclide	Sample Desc	Client Identification	Activity Units	Results	Error Estimate	MDA	LCS Known	LCS %R	LCS Flag	RPD Flag	MDA Flag	Blank Flag
01	RA-226	LCS	LCS	pCi/l	9.81E+00	1.31E+00	2.23E-01	1.03E+01	95.03	OK		OK	
02	RA-226	MBL	BLANK	pCi/l	2.45E-02	7.57E-02	2.62E-01					OK	OK
03	RA-226	DUP	WW-2	pCi/l	3.22E+00	2.21E+00	3.04E+00				INV	INV	
04	RA-226	TRG	B-7	pCi/l	1.77E+01	1.04E+01	1.27E+01					INV	
05	RA-226	TRG	B-5	pCi/l	2.24E+00	2.01E+00	3.32E+00					INV	
06	RA-226	TRG	B-15	pCi/l	2.05E+01	6.39E+00	3.29E+00					INV	
07	RA-226	TRG	B-3	pCi/l	5.81E+00	2.99E+00	2.42E+00					INV	
08	RA-226	TRG	WW-1	pCi/l	4.97E-01	9.34E-01	2.55E+00					INV	
09	RA-226	DO	WW-2	pCi/l	1.73E+00	1.58E+00	1.63E+00					INV	
10	RA-226	TRG	B-6	pCi/l	5.00E+00	2.78E+00	2.73E+00					INV	
11	RA-226	TRG	B-19	pCi/l	4.17E+00	2.40E+00	2.31E+00					INV	
12	RA-226	TRG	B-2	pCi/l	5.17E+00	2.60E+00	2.31E+00					INV	
13	RA-226	TRG	B-1	pCi/l	1.44E+00	1.49E+00	2.80E+00					INV	

Preliminary Data Report & Analytical Calculations
Work Order: 06-11072-Ra226-1

Eberline Services
Oak Ridge Laboratory

	1 Run	Ra226 Analysis Code	06-11072 Eberline Services Work Order	ICON Environmental Services, Inc. Client
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Lab Fraction	Nuclide	Sample Desc	Sample Date	Sample Aliquot	Radionuclitic % Rec	Grav % Rec	Mean % Rec	SAF	Sep 10 Date/Time	Sep 11 Date/Time
01	RA-226	LCS	11/17/06 00:00	1.00E+00	93.66		93.66			
02	RA-226	MBL	11/17/06 00:00	1.00E+00	87.32		87.32			
03	RA-226	DUP	11/14/06 11:25	1.00E-01	93.83		93.83			
04	RA-226	TRG	11/13/06 13:30	1.00E-01	74.44		74.44			
05	RA-226	TRG	11/13/06 12:30	1.00E-01	84.88		84.88			
06	RA-226	TRG	11/13/06 14:45	1.00E-01	84.04		84.04			
07	RA-226	TRG	11/10/06 11:50	1.00E-01	82.89		82.89			
08	RA-226	TRG	11/14/06 10:40	1.00E-01	97.21		97.21			
09	RA-226	DO	11/14/06 11:25	1.00E-01	88.12		88.12			
10	RA-226	TRG	11/10/06 15:15	1.00E-01	83.57		83.57			
11	RA-226	TRG	11/10/06 14:00	1.00E-01	92.88		92.88			
12	RA-226	TRG	11/10/06 09:55	1.00E-01	96.96		96.96			
13	RA-226	TRG	11/10/06 07:50	1.00E-01	93.06		93.06			



Run 1

Analysis Code Ra226

Eberline Services Work Order 06-11072

Client ICON Environmental Services, Inc.

Lab Fraction	Nuclide	Sample Desc	Counting Date/Time	Half-life (days)	Detect	Carrier	Count Time	Counts	Bkg CPM	Eff
01	RA-226	LCS	11/27/06 14:52		A_Spec	1	170.1	7.29 E+02	5.00 E-03	21
02	RA-226	MBL	11/27/06 14:52		A_Spec	2	170.08	1.62 E+00	5.00 E-03	20
03	RA-226	DUP	11/27/06 14:53		A_Spec	3	170.07	2.27 E+01	1.00 E-02	19.9
04	RA-226	TRG	11/27/06 14:53		A_Spec	5	170.02	1.01 E+02	9.00 E-03	20.4
05	RA-226	TRG	11/27/06 14:53		A_Spec	6	170.1	1.46 E+01	8.00 E-03	20.3
06	RA-226	TRG	11/27/06 14:54		A_Spec	8	170.02	1.19 E+02	5.00 E-03	18.3
07	RA-226	TRG	11/27/06 14:54		A_Spec	9	170.03	3.68 E+01	4.00 E-03	20.2
08	RA-226	TRG	11/27/06 14:54		A_Spec	10	170.08	3.75 E+00	7.00 E-03	20.6
09	RA-226	DO	11/27/06 14:55		A_Spec	11	170.05	1.22 E+01	1.00 E-03	21.1
10	RA-226	TRG	11/27/06 14:55		A_Spec	12	170.02	3.36 E+01	6.00 E-03	21.3
11	RA-226	TRG	11/27/06 14:55		A_Spec	13	170.03	3.09 E+01	5.00 E-03	21.1
12	RA-226	TRG	11/27/06 14:56		A_Spec	14	170.07	3.98 E+01	6.00 E-03	21
13	RA-226	TRG	11/27/06 14:56		A_Spec	16	170.07	1.03 E+01	9.00 E-03	20.4

Aliquot Worksheet

Work Order		Run	Analysis Code	Rpt Units	Lab Deadline	Technician	
06-11072		1	Ra226	liters	12/1/2006	JBARNARD	

Lab Fraction	Client ID	Sample Type	Muffle Data		Dilution Data			Aliquot Data		MS Aliquot Data		H-3 Solids Only	
			Ratio Post/Pre	No of Dils	Dil Factor	Ratio	Aliquot	Net Equiv	Aliquot	Net Equiv	Water Added (ml)	H3 Dist Aliq	
01	LCS	LCS						1.0000E+00	1.0000E+00				
02	BLANK	MBL						1.0000E+00	1.0000E+00				
03	WW-2	DUP						1.0000E-01	1.0000E-01				
04	B-7	TRG						1.0000E-01	1.0000E-01				
05	B-5	TRG						1.0000E-01	1.0000E-01				
06	B-15	TRG						1.0000E-01	1.0000E-01				
07	B-3	TRG						1.0000E-01	1.0000E-01				
08	WW-1	TRG						1.0000E-01	1.0000E-01				
09	WW-2	DO						1.0000E-01	1.0000E-01				
10	B-6	TRG						1.0000E-01	1.0000E-01				
11	B-19	TRG						1.0000E-01	1.0000E-01				
12	B-2	TRG						1.0000E-01	1.0000E-01				
13	B-1	TRG						1.0000E-01	1.0000E-01				

Comments

Technician: *JBarnard* Date: 11, 29, 06

Eberline Services
Oak Ridge Laboratory

ALPHA SPECTROMETRY REPORT
28-NOV-2006 09:27:59

Spectral File: ND_AMS_ARCHIVE_C:C_0611072A-RA\$01_RA.CNF

*
BATCH ID: 0611072A-RA * SAMPLE ID: 01
SAMPLE DATE: 17-NOV-2006 00:00 * ALIQUOT: 1.000E+00 liter
SAMPLE TITLE: SPIKE * DETECTOR NUMBER: 001
ACQ DATE: 27-NOV-2006 14:52 * AVERAGE EFFICIENCY: 21.01%
ELAPSED LIVE TIME: 10206. * RECOVERY: 93.66%
TRACER ID: NONE * TRACER FWHM (kev): 0.00
LAMBDA VALUE: 0. * ROI TYPE: MANUAL
TRACER DPM AT SAMPLE DATE: 0.000 * CONFIDENCE FACTOR: 4.65
SAMPLE MATRIX: WATER * LLD CONSTANT: 2.71
ENERGY CAL DATE: 21-NOV-2006 07:13 * EFF CAL DATE: 21-NOV-2006 07:13
BKG FILENAME: B_001_22NOV06 * BKG ELAPSED TIME: 60008.
* SAF: 2.37
*

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ liter	TPU/ERROR 2-SIGMA	MDC pCi/ liter
PO-218	6003.0	533.24	2.38	100.0	7.177E+00	1.081E+00	3.153E-01
RN-222	5490.0	1011.14	0.85	99.9	1.362E+01	1.624E+00	2.234E-01
RA-226	4785.0	729.11	0.85	100.0	9.811E+00	1.311E+00	2.232E-01


Analyst

11/28/06
Date


Reviewer

11/28/06
Date

Spectrum : DKA100: [ALPHA,ALUSR.ARCHIVE.C]C_0611072A-RA\$01-RA.CNF;2

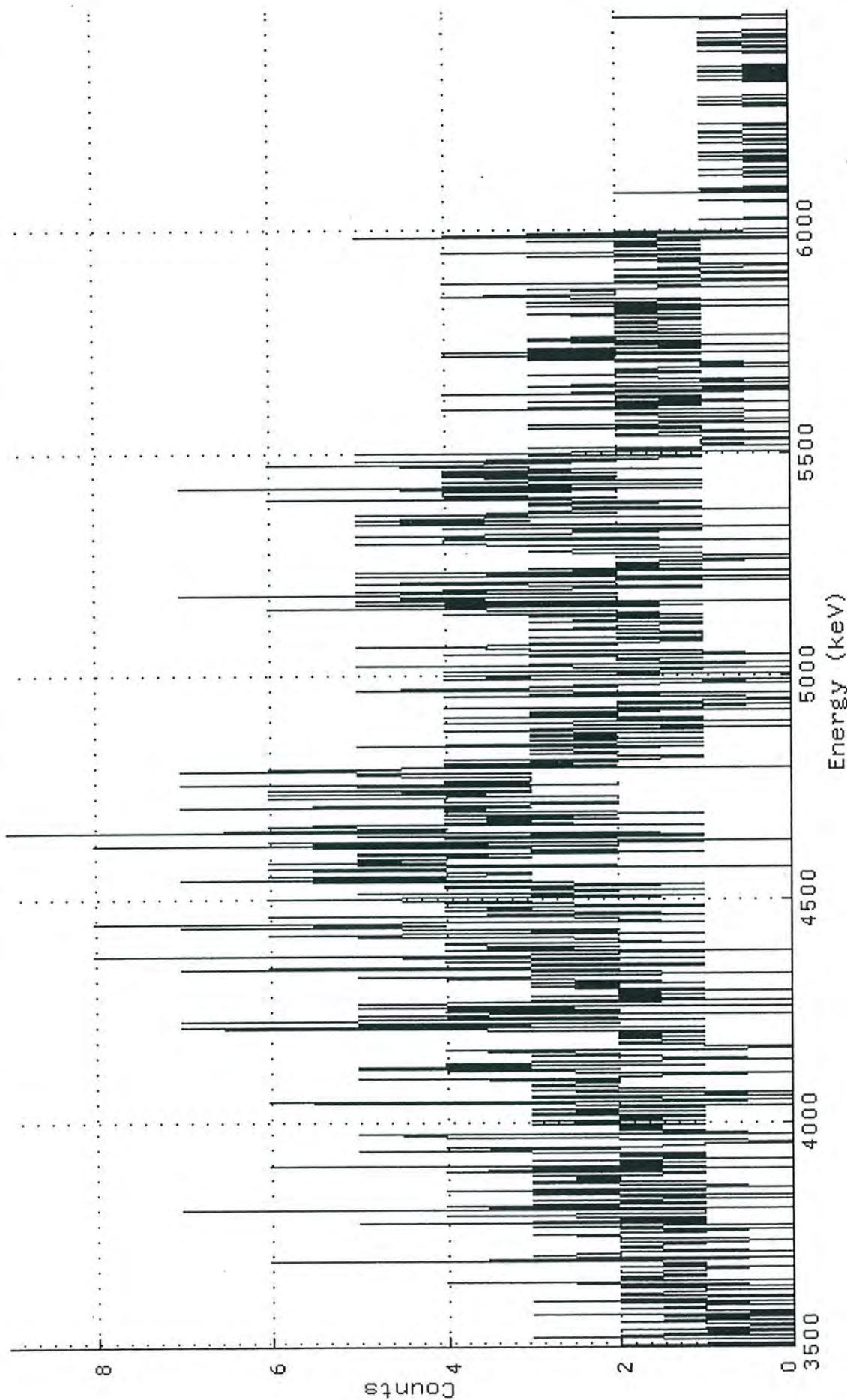
Title : 001

Sample Title: SPIKE

Start Time: 27-NOV-2006 14:52 Sample Time: 17-NOV-2006 00:00 Energy Offset: 3.48301E+03

Real Time : 0 02:50:06.00 Sample ID : 01 Energy Slope : 3.08990E+00

Live Time : 0 02:50:06.00 Sample Type: RA Energy Quad : -1.54054E-04



Channel

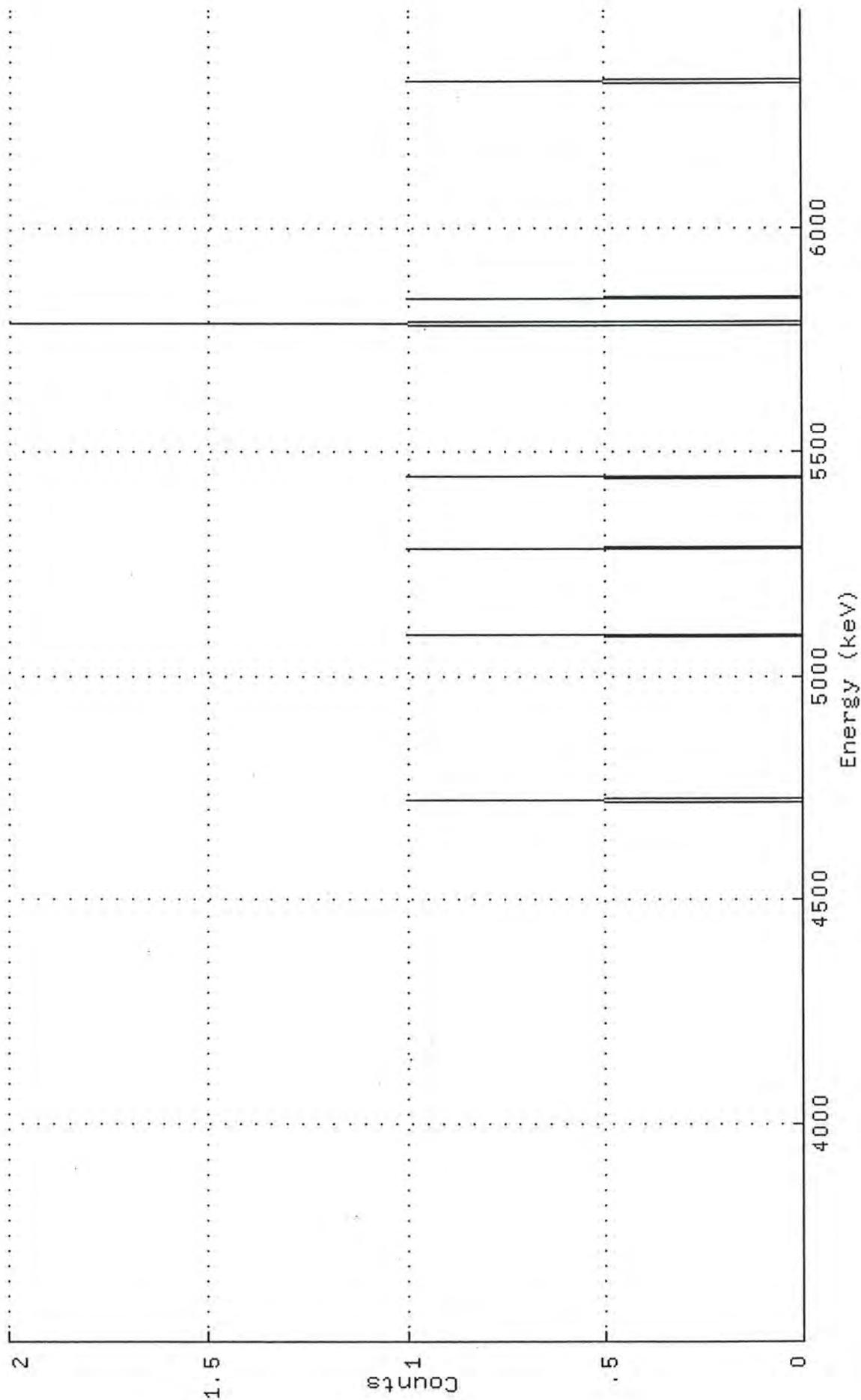
1:	10206	10206	3	0	2	0	0	0	0	3	0	2	1	0	0
15:	2	0	1	0	1	0	2	1	0	1	0	3	0	0	0
29:	1	0	2	1	1	0	1	3	0	2	0	0	0	2	2
43:	1	1	0	2	2	0	1	4	0	1	2	1	2	1	1
57:	2	1	1	1	0	2	2	1	2	6	1	0	2	2	3
71:	2	2	0	1	2	2	2	1	2	1	0	1	2	2	2
85:	3	1	2	1	0	1	3	0	2	5	1	1	2	2	1
99:	4	1	1	1	1	7	0	4	1	3	1	2	3	0	0
113:	2	0	3	3	1	4	2	0	1	1	3	1	1	3	2
127:	2	3	2	1	1	4	3	0	6	1	2	1	1	1	3
141:	0	2	2	1	3	1	5	2	4	2	1	1	0	0	0
155:	1	3	4	4	5	0	1	2	1	2	2	1	3	2	5
169:	3	1	2	1	3	1	3	2	2	3	1	1	0	3	3
183:	6	1	0	3	3	0	1	0	2	3	1	1	3	3	3
197:	2	2	2	5	2	2	1	0	2	3	5	2	5	1	1
211:	4	4	2	1	0	1	2	3	2	3	4	1	0	1	7
225:	0	2	2	2	1	2	2	1	1	2	2	0	6	2	3
239:	1	5	2	3	7	3	1	3	5	2	0	4	2	3	0
253:	5	0	3	5	3	0	3	1	2	3	1	2	2	0	3
267:	2	3	2	2	3	1	2	3	5	4	2	1	0	3	2
281:	2	7	5	1	1	2	4	2	3	1	8	4	2	3	3
295:	0	4	3	2	3	4	4	1	2	2	3	4	6	3	6
309:	1	3	2	2	7	4	5	8	1	2	2	2	3	3	2
323:	1	2	3	4	3	4	1	1	4	4	3	6	3	3	5
337:	1	5	3	2	3	1	4	4	2	1	4	7	3	5	5
351:	6	4	3	3	3	5	6	2	0	4	6	4	5	6	2
365:	5	3	5	2	5	1	3	3	3	8	2	5	6	4	4
379:	0	4	1	5	1	2	9	4	4	4	6	5	1	2	2
393:	3	4	2	3	4	3	1	3	4	4	3	7	4	3	7
407:	2	4	4	4	6	2	6	4	3	6	3	3	3	4	0
421:	2	4	4	3	3	3	4	5	5	3	7	5	4	2	1
435:	4	4	3	2	4	2	1	2	1	3	2	2	3	4	3
449:	1	5	3	1	1	3	2	1	3	3	3	1	3	3	3
463:	3	0	2	1	4	1	0	2	1	4	2	2	2	3	3
477:	0	4	1	1	0	2	2	0	1	0	1	4	2	2	1
491:	0	5	4	2	3	2	1	0	1	0	4	3	4	3	3
505:	0	4	2	1	1	0	5	1	0	1	1	1	2	2	3
519:	4	0	1	1	3	3	4	5	2	3	2	1	1	1	3
533:	1	1	1	2	1	2	3	2	2	2	1	1	3	2	0
547:	2	1	2	4	1	2	2	5	6	2	1	5	3	0	5
561:	5	4	3	2	7	2	2	5	3	4	3	3	1	2	2
575:	4	0	1	2	0	5	2	2	5	0	3	1	2	1	1
589:	1	2	1	1	0	2	2	0	2	2	3	2	1	4	3
603:	2	5	4	4	4	0	3	5	4	3	2	2	1	4	3
617:	2	0	2	5	4	3	5	4	3	1	5	2	3	4	4
631:	2	0	2	3	3	2	1	4	6	2	4	4	4	4	4
645:	3	2	7	1	4	1	2	4	2	1	3	4	2	1	0
659:	4	2	4	1	3	3	6	4	3	2	5	2	1	0	1
673:	1	5	0	1	1	3	2	0	1	1	1	1	0	1	3
687:	2	1	2	1	0	1	1	3	1	2	3	0	2	2	1
701:	0	1	1	2	2	1	0	1	4	2	1	2	1	3	2
715:	0	1	2	1	1	3	4	1	0	2	0	0	3	2	0
729:	2	0	1	0	1	2	2	3	1	1	2	2	1	0	3
743:	1	1	0	1	3	1	3	2	4	2	0	4	2	3	2
757:	1	1	2	0	2	3	1	3	2	2	0	2	1	2	1
771:	1	1	2	1	1	2	2	2	1	1	2	2	3	1	3
785:	2	1	2	1	3	0	2	2	3	0	0	1	4	0	2
799:	2	2	2	2	3	0	1	1	2	4	0	0	0	2	1
813:	1	2	0	1	0	2	1	1	0	0	1	1	2	1	1
827:	1	2	3	0	4	3	1	1	1	2	2	1	2	1	0
841:	3	0	0	5	3	0	3	1	0	0	0	0	0	0	0
855:	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
869:	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0
883:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
897:	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0
911:	1	0	0	0	0	0	0	1	0	0	0	1	1	0	0
925:	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0
939:	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1
953:	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
967:	0	1	0	0	1	0	0	1	0	0	1	0	0	0	0
981:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
995:	0	1	0	1	1	0	0	0	1	0	0	0	1	0	0
1009:	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0
1023:	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0

Configuration : MCA0:[AMSCOUNT]00009235\$1
 Analyses by : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
 Sample title : SPIKE
 Sample date : 17-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 14:52:17
 Sample ID : 01 Sample quantity : 1.0000 liter
 Sample type : RA Sample geometry :
 Detector name : 001 Detector geometry:
 Elapsed live time: 0 02:50:06.00 Elapsed real time: 0 02:50:06.00 0.0%
 Energy tolerance : 150.00 keV Half life ratio : 8.00
 Errors propagated: Yes Systematic Error : 3.00 %
 Efficiency type : Average value Efficiencies at : Peak Energy
 Abundance limit : 75.00

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/liter
0	4703.41*	729216.16	403.06	362	87	11.4			RA-226	9.19
0	5282.10*	1011505.51	600.21	510	176	9.7			RN-222	12.8
0	5790.93*	533428.52	777.03	705	162	13.4			PO-218	6.72

Spectrum : DKA100: [ALPHA.ALUSR.ARCHIVE.R]R_0611072A-RA\$02_RA.CNF;1
Title : 002
Sample Title: BLANK
Start Time: 27-NOV-2006 14:52 Sample Time: 27-NOV-2006 00:00 Energy Offset: 3.50059E+03
Real Time : 0 02:50:05.00 Sample ID : 02 Energy Slope : 3.07093E+00
Live Time : 0 02:50:05.00 Sample Type: RA Energy Quad : -1.56722E-04



Eberline Services
Oak Ridge Laboratory

Gross Sample Counts Within Peak Regions Generated: 27-NOV-2006 19:14:58.10

Detector ID: 2	Acquisition Start: 27-NOV-2006 14:52:42.01
Live Time: 0 02:50:05.00	Real Time: 0 02:50:05.00
Batch Id: 0611072A-RA	Sample Id: 02
Sample Type: RA	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4721.56	1	0	3.07	406.00	289	157	9.80E-05	100.0	
2	0	5272.31	3	0	3.04	595.00	508	177	2.94E-04	57.7	
3	0	5802.46	3	0	3.07	780.67	704	163	2.94E-04	57.7	

Background Counts Within Peak Regions Generated: 27-NOV-2006 19:16:30.12

Live Time: 0 16:40:05.00	Acquisition Start: 22-NOV-2006 15:34:18.01
	Real Time: 0 16:40:05.00

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4605.45	5	0	3.04	367.00	289	157	8.33E-05	44.7	
2	0	5274.12	15	0	3.04	596.00	508	177	2.50E-04	25.8	
3	0	5815.95	19	0	3.07	785.00	704	163	3.17E-04	22.9	

Net Sample Counts Within Peak Regions Generated: 27-NOV-2006 19:16:30.42

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4721.56*	2	0	3.07	406.00	289	157	1.59E-04	154.3	
2	0	5272.31*	5	0	3.04	595.00	508	177	4.76E-04	89.1	
3	0	5802.46*	4	0	3.07	780.67	704	163	4.09E-04	103.9	

Flag: "*" = Peak area was modified by background subtraction

Configuration : MCA0:[AMSCOUNT]00005B1A\$1
 Analyses by : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
 Sample title : BLANK
 Sample date : 27-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 14:52:42
 Sample ID : 02 Sample quantity : 1.0000 liter
 Sample type : RA Sample geometry :
 Detector name : 002 Detector geometry:
 Elapsed live time: 0 02:50:05.00 Elapsed real time: 0 02:50:05.00 0.0%
 Energy tolerance : 100.00 keV Half life ratio : 8.00
 Errors propagated: Yes Systematic Error : 3.00 %
 Efficiency type : Average value Efficiencies at : Peak Energy
 Abundance limit : 75.00

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/liter
0	4721.56*	2	3.07	406.00	289	157308.6			RA-226	2.140E-02
0	5272.31*	5377.72	595.00	508	177178.2				RN-222	6.426E-02
0	5802.46*	4	3.07	780.67	704	163207.8			PO-218	5.523E-02

Eberline Services
Oak Ridge Laboratory

ALPHA SPECTROMETRY REPORT
27-NOV-2006 19:16:55

Spectral File: ND_AMS_ARCHIVE_S:S_0611072A-RA\$03_RA.CNF

BATCH ID: 0611072A-RA * SAMPLE ID: 03
SAMPLE DATE: 14-NOV-2006 00:00 * ALIQUOT: 1.000E-01 liter
SAMPLE TITLE: WW-2 * DETECTOR NUMBER: 003
ACQ DATE: 27-NOV-2006 14:53 * AVERAGE EFFICIENCY: 19.89%
ELAPSED LIVE TIME: 10204. * RECOVERY: 93.83%
TRACER ID: NONE * TRACER FWHM (kev): 0.00
LAMBDA VALUE: 0. * ROI TYPE: STANDARD
TRACER DPM AT SAMPLE DATE: 0.000 * CONFIDENCE FACTOR: 4.65
SAMPLE MATRIX: WATER * LLD CONSTANT: 2.71
ENERGY CAL DATE: 21-NOV-2006 07:13 * EFF CAL DATE: 21-NOV-2006 07:13
BKG FILENAME: B_003_22NOV06 * BKG ELAPSED TIME: 60003.
* SAF: 2.44
*

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ liter	TPU/ERROR 2-SIGMA	MDC pCi/ liter
PO-218	6003.0	6.70	3.06	100.0	9.509E-01	1.402E+00	3.757E+00
RN-222	5490.0	42.90	1.02	99.9	6.093E+00	2.974E+00	2.567E+00
RA-226	4785.0	22.70	1.70	100.0	3.222E+00	2.207E+00	3.038E+00

Analyst Jet

Date 11/27/06

Reviewer Alan Gregory

Date 11/28/06

Spectrum : DKA100:[ALPHA.ALUSR.ARCHIVE.S]S_0611072A-RA\$03_RA.CNF;1

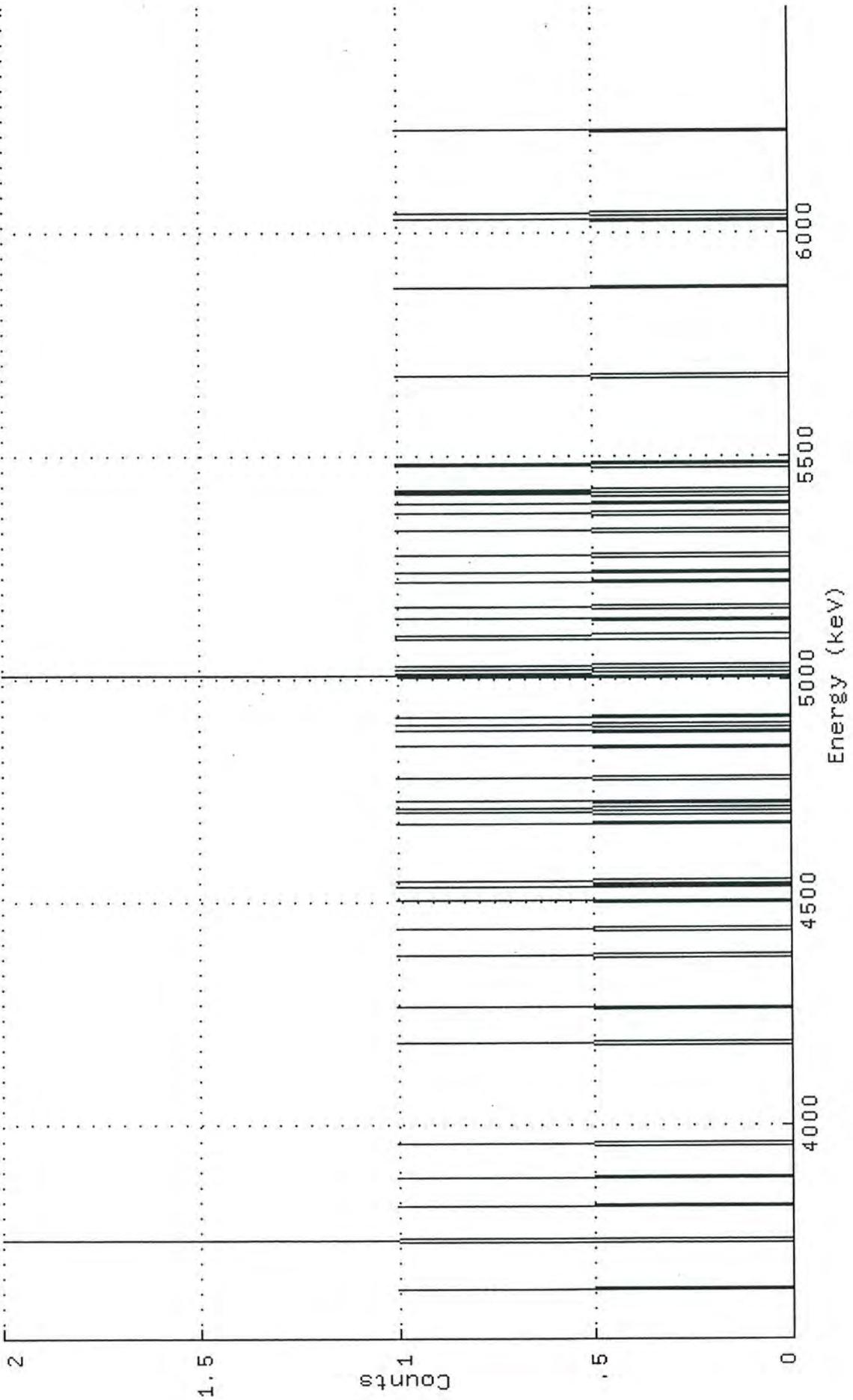
Title : 003

Sample Title: WU-2

Start Time: 27-NOV-2006 14:53 Sample Time: 14-NOV-2006 00:00 Energy Offset: 3.50902E+03

Real Time : 0 02:50:04.00 Sample ID : 03 Energy Slope : 3.04699E+00

Live Time : 0 02:50:04.00 Sample Type: RA Energy Quad : -1.25683E-04




```

Configuration      : MCA0:[AMSCOUNT]00005B1A$1
Analyses by       : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
Sample title      : WW-2
Sample date       : 14-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 14:53:14
Sample ID         : 03                               Sample quantity  : 0.10000 liter
Sample type       : RA                               Sample geometry  :
Detector name     : 003                             Detector geometry:
Elapsed live time: 0 02:50:04.00                   Elapsed real time: 0 02:50:04.00   0.0%
Energy tolerance  : 100.00 keV                     Half life ratio  : 8.00
Errors propagated: Yes                             Systematic Error : 3.00 %
Efficiency type   : Average value                   Efficiencies at  : Peak Energy
Abundance limit  : 75.00
    
```

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/liter
0	4597.92*	23411.34	362.80	288	157	68.1			RA-226	3.02
0	5257.35*	43	0.00	588.06	506	177	48.3		RN-222	5.72
0	5901.72*	7390.01	812.50	701	162	147.3			PO-218	0.892

Eberline Services
Oak Ridge Laboratory

ALPHA SPECTROMETRY REPORT
27-NOV-2006 19:17:06

Spectral File: ND_AMS_ARCHIVE_S:S_0611072A-RA\$04_RA.CNF

BATCH ID: 0611072A-RA * SAMPLE ID: 04
SAMPLE DATE: 13-NOV-2006 00:00 * ALIQUOT: 1.000E-01 liter
SAMPLE TITLE: B-7 * DETECTOR NUMBER: 005
ACQ DATE: 27-NOV-2006 14:53 * AVERAGE EFFICIENCY: 20.38%
ELAPSED LIVE TIME: 10201. * RECOVERY: 74.44%
TRACER ID: NONE * TRACER FWHM (kev): 0.00
LAMBDA VALUE: 0. * ROI TYPE: STANDARD
TRACER DPM AT SAMPLE DATE: 0.000 * CONFIDENCE FACTOR: 4.65
SAMPLE MATRIX: WATER * LLD CONSTANT: 2.71
ENERGY CAL DATE: 21-NOV-2006 07:13 * EFF CAL DATE: 21-NOV-2006 07:13
BKG FILENAME: B_005_22NOV06 * BKG ELAPSED TIME: 60008.
* SAF: 8.56
*

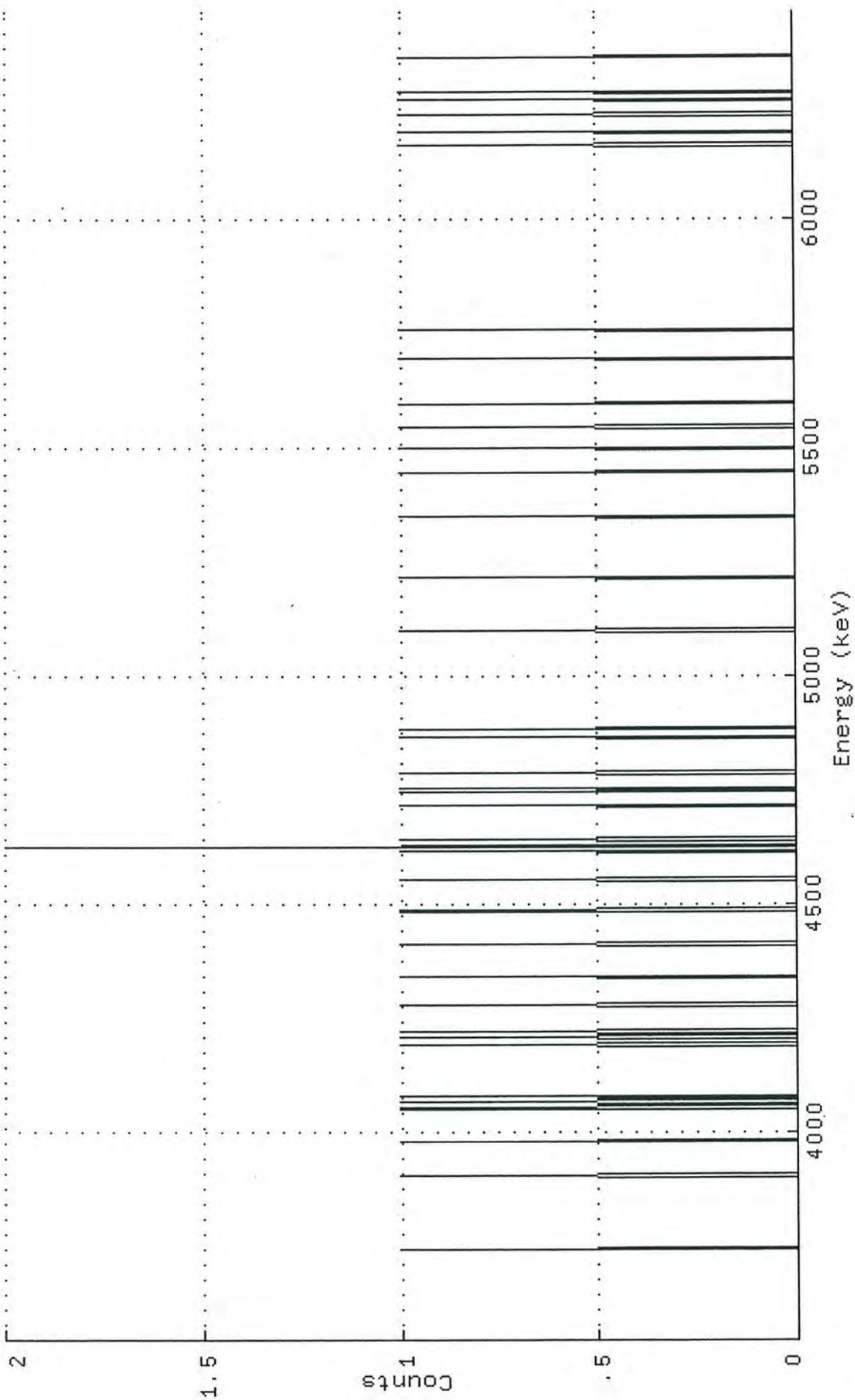
NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ liter	TPU/ERROR 2-SIGMA	MDC pCi/ liter
PO-218	6003.0	23.81	1.87	100.0	4.158E+00	5.190E+00	1.356E+01
RN-222	5490.0	41.27	1.53	99.9	7.212E+00	6.711E+00	1.266E+01
RA-226	4785.0	101.19	1.53	100.0	1.767E+01	1.043E+01	1.265E+01

Analyst JRT Date 11/27/06

Reviewer Alan Spitzley Date 11/28/06

Spectrum : DKA100:[ALPHA.ALUSR.ARCHIVE.S]S_0611072A-RA\$04_RA.CNF;1
Title : 005
Sample Title: B-7
Start Time: 27-NOV-2006 14:53 Sample Time: 13-NOV-2006 00:00 Energy Offset: 3.53405E+03
Real Time : 0 02:50:01.00 Sample ID : 04 Energy Slope : 2.96037E+00
Live Time : 0 02:50:01.00 Sample Type: RA Energy Quad : -1.09953E-04



Channel Contents for ND_AMS_ARCHIVE_S:S_0611072A-RA\$04_RA

Channel	10201	10201	0	0	0	0	0	0	0	0	0	0	0	0
1:	10201	10201	0	0	0	0	0	0	0	0	0	0	0	0
15:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71:	1	0	0	0	0	0	0	0	0	0	0	0	0	0
85:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113:	0	0	0	0	0	0	0	0	0	0	0	0	0	1
127:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141:	0	0	0	0	0	0	0	0	0	0	0	1	0	0
155:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169:	0	0	0	0	0	0	0	1	1	0	0	0	1	0
183:	0	0	1	0	0	0	0	0	0	0	0	0	0	0
197:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211:	0	0	0	0	0	0	0	0	0	0	0	0	0	1
225:	0	0	0	0	0	1	0	0	0	1	0	0	0	0
239:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
253:	0	1	0	0	0	0	0	0	0	0	0	0	0	0
267:	0	0	0	0	0	0	0	0	1	0	0	0	0	0
281:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
295:	0	0	0	0	0	1	0	0	0	0	0	0	0	0
309:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
323:	0	0	1	1	0	0	0	0	0	0	0	0	0	0
337:	0	0	0	0	0	0	0	0	0	0	0	0	1	0
351:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
365:	0	0	0	0	0	1	0	0	0	2	0	0	0	0
379:	1	0	0	0	0	0	0	0	0	0	0	0	0	0
393:	0	0	0	0	0	0	0	0	0	0	0	0	1	0
407:	0	0	0	0	0	0	0	0	0	1	0	1	0	0
421:	0	0	0	0	0	0	0	0	0	1	0	0	0	0
435:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
449:	0	0	0	0	0	0	0	0	1	0	0	0	0	0
463:	0	1	0	0	0	0	0	0	0	0	0	0	0	0
477:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
491:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
505:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
519:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
533:	0	0	0	0	0	0	1	0	0	0	0	0	0	0
547:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
561:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
575:	0	0	0	0	0	1	0	0	0	0	0	0	0	0
589:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
603:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
617:	0	0	0	0	0	0	0	0	0	0	1	0	0	0
631:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
645:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
659:	0	0	0	1	0	0	0	0	0	0	0	0	0	0
673:	0	0	0	0	0	0	0	1	0	0	0	0	0	0
687:	0	0	0	0	0	0	0	0	0	1	0	0	0	0
701:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
715:	1	0	0	0	0	0	0	0	0	0	0	0	0	0
729:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
743:	0	0	0	0	0	0	0	1	0	0	0	0	0	0
757:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
771:	0	1	0	0	0	0	0	0	0	0	0	0	0	0
785:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
799:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
813:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
827:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
841:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
855:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
869:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
883:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
897:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
911:	0	0	0	0	0	0	0	1	0	0	0	0	0	0
925:	0	0	0	1	0	0	0	0	0	0	0	0	0	0
939:	0	0	0	1	0	0	0	0	0	0	0	0	0	0
953:	0	1	0	0	0	0	0	1	0	0	0	0	0	0
967:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
981:	0	0	0	0	0	0	0	1	0	0	0	0	0	0
995:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1009:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1023:	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Oak Ridge Laboratory

Gross Sample Counts Within Peak Regions Generated: 27-NOV-2006 19:17:00.06

Detector ID: 5	Acquisition Start: 27-NOV-2006 14:53:39.01
Live Time: 0 02:50:01.00	Real Time: 0 02:50:01.00
Batch Id: 0611072A-RA	Sample Id: 04
Sample Type: RA	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4620.58	12	0	2.96	372.17	287	161	1.18E-03	28.9	
2	0	5320.44	5	0	2.96	617.60	512	180	4.90E-04	44.7	
3	0	5680.37	3	0	2.96	745.67	711	166	2.94E-04	57.7	

Background Counts Within Peak Regions Generated: 27-NOV-2006 19:17:04.71

Live Time: 0 16:40:08.00	Acquisition Start: 22-NOV-2006 15:34:23.01
	Real Time: 0 16:40:08.00

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4606.05	9	0	2.98	367.00	287	161	1.50E-04	33.3	
2	0	5274.66	9	0	2.98	601.50	512	180	1.50E-04	33.3	
3	0	5810.78	11	0	16.42	793.50	711	166	1.83E-04	30.2	

Net Sample Counts Within Peak Regions Generated: 27-NOV-2006 19:17:04.99

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4620.58*	101	0	2.96	372.17	287	161	9.92E-03	29.3	
2	0	5320.44*	41	0	2.96	617.60	512	180	4.05E-03	46.4	
3	0	5680.37*	24	0	2.96	745.67	711	166	2.33E-03	62.3	

Flag: "*" = Peak area was modified by background subtraction

```

Configuration      : MCA0:[AMSCOUNT]00005B1A$1
Analyses by       : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
Sample title      : B-7
Sample date       : 13-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 14:53:39
Sample ID        : 04                               Sample quantity  : 0.10000 liter
Sample type      : RA                               Sample geometry  :
Detector name    : 005                             Detector geometry:
Elapsed live time: 0 02:50:01.00                   Elapsed real time: 0 02:50:01.00  0.0%
Energy tolerance : 100.00 keV                      Half life ratio  : 8.00
Errors propagated: Yes                             Systematic Error : 3.00 %
Efficiency type  : Average value                    Efficiencies at  : Peak Energy
Abundance limit  : 75.00
    
```

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/liter
0	4620.58*	101	2.96	372.17	287	161	58.6		RA-226	13.2
0	5320.44*	41420.37	617.60	617.60	512	180	92.8		RN-222	5.37
0	5680.37*	24171.70	745.67	745.67	711	166124.6			PO-218	3.10

Eberline Services
Oak Ridge Laboratory

ALPHA SPECTROMETRY REPORT
'27-NOV-2006 19:17:24

Spectral File: ND_AMS_ARCHIVE_S:S_0611072A-RA\$05_RA.CNF

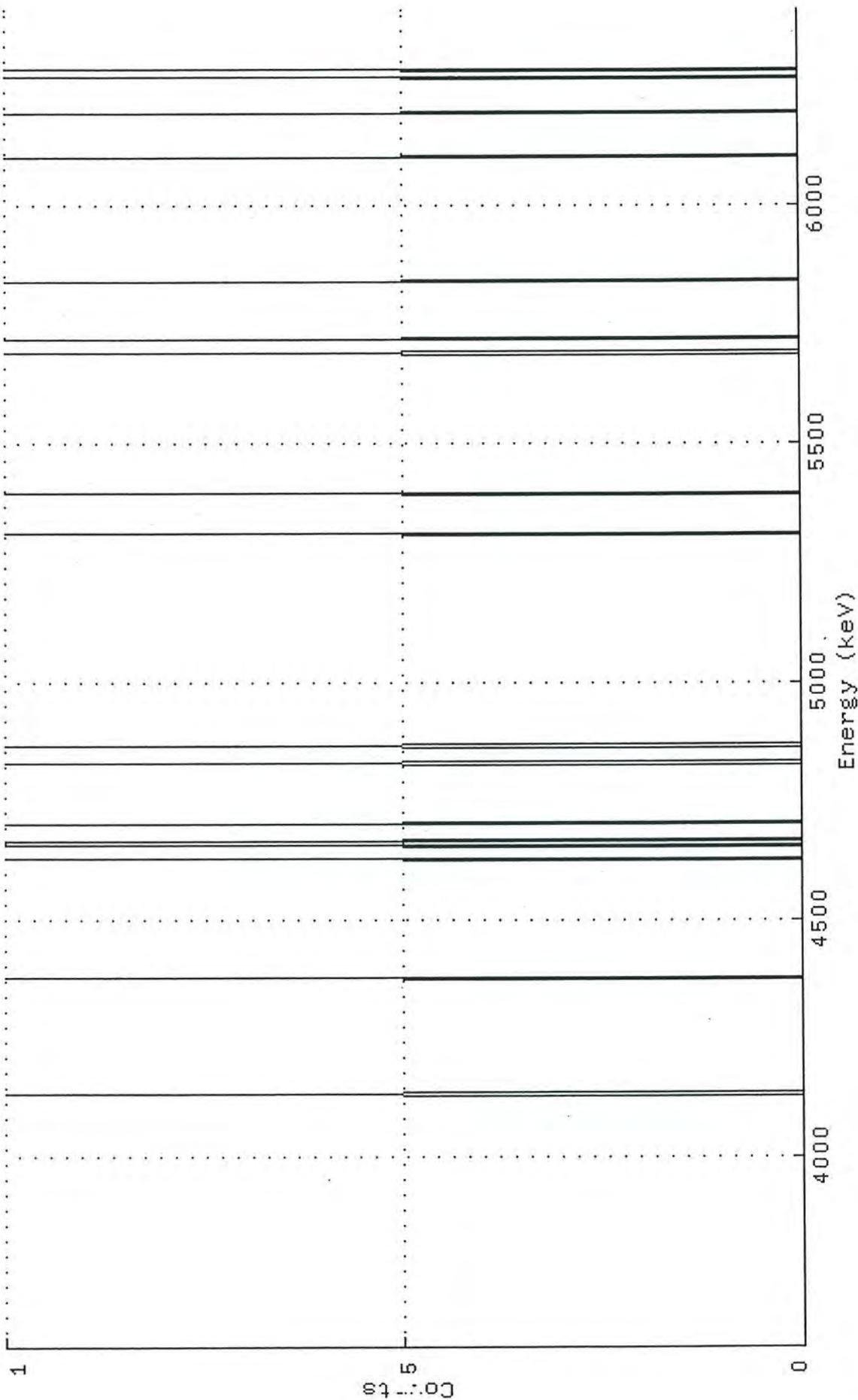
*
BATCH ID: 0611072A-RA * SAMPLE ID: 05
SAMPLE DATE: 13-NOV-2006 00:00 * ALIQUOT: 1.000E-01 liter
SAMPLE TITLE: B-5 * DETECTOR NUMBER: 006
ACQ DATE: 27-NOV-2006 14:53 * AVERAGE EFFICIENCY: 20.32%
ELAPSED LIVE TIME: 10206. * RECOVERY: 84.88%
TRACER ID: NONE * TRACER FWHM (kev): 0.00
LAMBDA VALUE: 0. * ROI TYPE: STANDARD
TRACER DPM AT SAMPLE DATE: 0.000 * CONFIDENCE FACTOR: 4.65
SAMPLE MATRIX: WATER * LLD CONSTANT: 2.71
ENERGY CAL DATE: 21-NOV-2006 07:13 * EFF CAL DATE: 21-NOV-2006 07:13
BKG FILENAME: B_006_22NOV06 * BKG ELAPSED TIME: 60005.
* SAF: 2.66
*

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ liter	TPU/ERROR 2-SIGMA	MDC pCi/ liter
PO-218	6003.0	5.77	2.21	100.0	8.861E-01	1.429E+00	3.932E+00
RN-222	5490.0	2.43	2.89	99.9	3.732E-01	1.177E+00	4.340E+00
RA-226	4785.0	14.60	1.36	100.0	2.242E+00	2.013E+00	3.323E+00

Analyst JRT Date 11/27/06
Reviewer Alan Greigley Date 11/28/06

Spectrum : DKA100: [ALPHA.ALUSR.ARCHIVE.SJS_0611072A-RA#05_RA.CNF; 1
 Title : 006
 Sample Title: B-5
 Start Time: 27-NOV-2006 14:53 Sample Time: 13-NOV-2006 00:00 Energy Offset: 3.58924E+03
 Real Time : 0 02:50:06.00 Sample ID : 05 Energy Slope : 2.88504E+00
 Live Time : 0 02:50:06.00 Sample Type: RA Energy Quad : -1.30211E-04



Eberline Services
Oak Ridge Laboratory

Gross Sample Counts Within Peak Regions Generated: 27-NOV-2006 19:17:10.28

Detector ID: 6	Acquisition Start: 27-NOV-2006 14:53:57.01
Live Time: 0 02:50:06.00	Real Time: 0 02:50:06.00
Batch Id: 0611072A-RA	Sample Id: 05
Sample Type: RA	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4641.20	6	0	0.00	370.83	276	166	5.88E-04	40.8	
2	0	5351.05	2	0	92.32	628.50	508	187	1.96E-04	70.7	
3	0	5747.83	3	0	164.45	775.33	714	173	2.94E-04	57.7	

Background Counts Within Peak Regions Generated: 27-NOV-2006 19:17:22.15

	Acquisition Start: 22-NOV-2006 15:34:26.01
Live Time: 0 16:40:05.00	Real Time: 0 16:40:05.00

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4606.73	8	0	282.75	358.50	276	166	1.33E-04	35.4	
2	0	5277.06	17	0	317.37	601.00	508	187	2.83E-04	24.3	
3	0	5816.09	13	0	4.24	800.00	714	173	2.17E-04	27.7	

Net Sample Counts Within Peak Regions Generated: 27-NOV-2006 19:17:22.40

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4641.20*	15	0	0.00	370.83	276	166	1.43E-03	44.8	
2	0	5351.05*	2	0	92.32	628.50	508	187	2.38E-04	157.6	
3	0	5747.83*	6	0	164.45	775.33	714	173	5.65E-04	80.6	

Flag: "*" = Peak area was modified by background subtraction

```

Configuration      : MCA0:[AMSCOUNT]00005B1A$1
Analyses by       : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
Sample title      : B-5
Sample date       : 13-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 14:53:57
Sample ID         : 05                               Sample quantity  : 0.10000 liter
Sample type       : RA                               Sample geometry   :
Detector name     : 006                               Detector geometry:
Elapsed live time: 0 02:50:06.00                     Elapsed real time: 0 02:50:06.00   0.0%
Energy tolerance  : 100.00 keV                       Half life ratio   : 8.00
Errors propagated: Yes                               Systematic Error  : 3.00 %
Efficiency type   : Average value                     Efficiencies at   : Peak Energy
Abundance limit   : 75.00
    
```

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/liter
0	4641.20*	15	0.00	370.83	276	166	89.5		RA-226	1.90
0	5351.05*	2	92.32	628.50	508	187315.1			RN-222	0.317
0	5747.83*	6164.45	775.33	714	173161.1				PO-218	0.752

Eberline Services
Oak Ridge Laboratory

ALPHA SPECTROMETRY REPORT
27-NOV-2006 19:17:41

Spectral File: ND_AMS_ARCHIVE_S:S_0611072A-RA\$06_RA.CNF

*
BATCH ID: 0611072A-RA * SAMPLE ID: 06
SAMPLE DATE: 13-NOV-2006 00:00 * ALIQUOT: 1.000E-01 liter
SAMPLE TITLE: B-15 * DETECTOR NUMBER: 008
ACQ DATE: 27-NOV-2006 14:54 * AVERAGE EFFICIENCY: 18.26%
ELAPSED LIVE TIME: 10201. * RECOVERY: 84.04%
TRACER ID: NONE * TRACER FWHM (kev): 0.00
LAMBDA VALUE: 0. * ROI TYPE: STANDARD
TRACER DPM AT SAMPLE DATE: 0.000 * CONFIDENCE FACTOR: 4.65
SAMPLE MATRIX: WATER * LLD CONSTANT: 2.71
ENERGY CAL DATE: 21-NOV-2006 07:13 * EFF CAL DATE: 21-NOV-2006 07:13
BKG FILENAME: B_008_22NOV06 * BKG ELAPSED TIME: 60003.
* SAF: 2.72
*

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ liter	TPU/ERROR 2-SIGMA	MDC pCi/ liter
PO-218	6003.0	55.25	1.87	100.0	9.541E+00	4.361E+00	4.260E+00
RN-222	5490.0	110.33	1.19	99.9	1.906E+01	6.166E+00	3.658E+00
RA-226	4785.0	118.83	0.85	100.0	2.052E+01	6.394E+00	3.286E+00

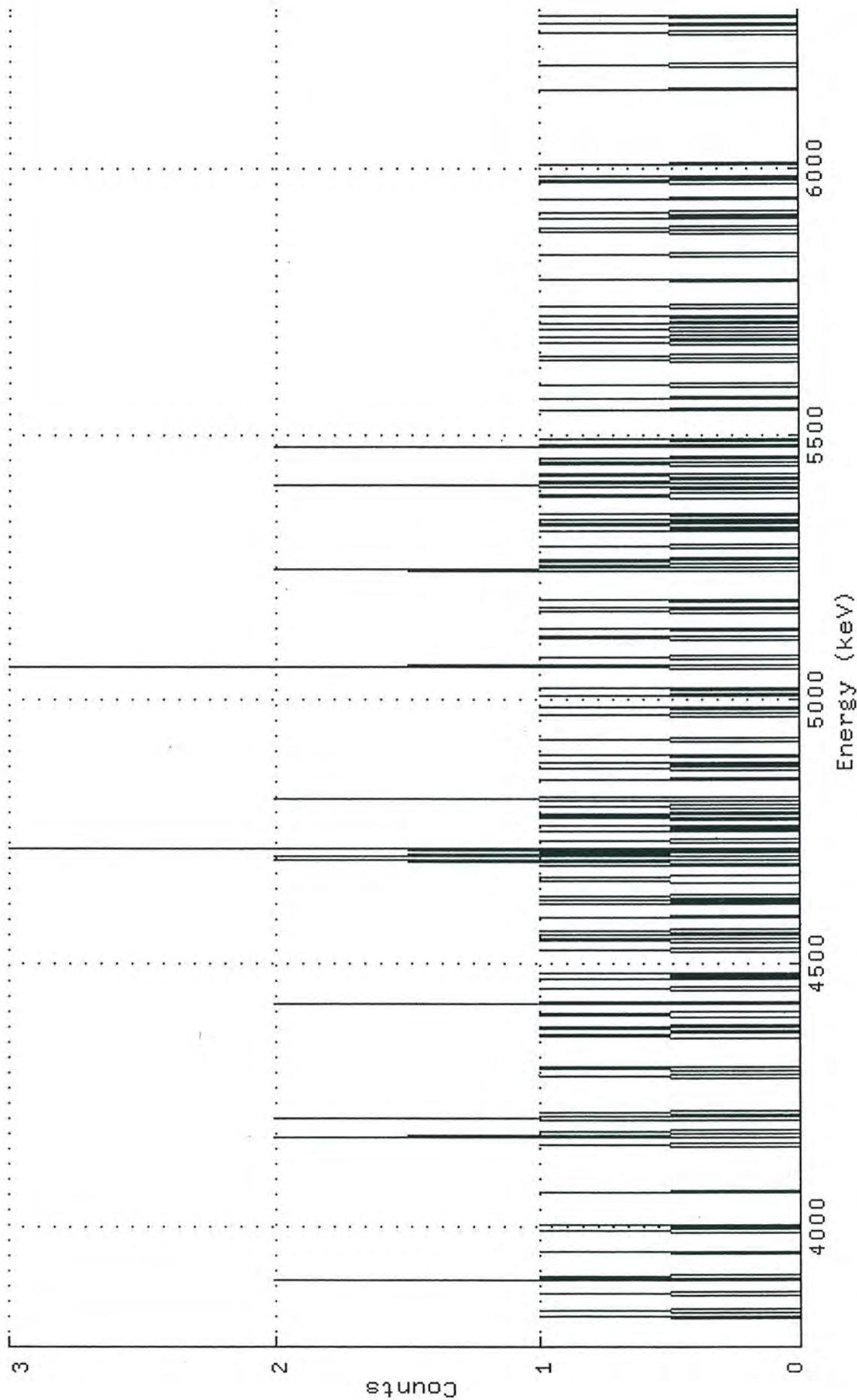
Analyst JST

Date 11/27/06

Reviewer Alan Gregory

Date 11/28/06

Spectrum : DKA100:[ALPHA.ALUSR.ARCHIVE.S]S_0611072A-RA\$06_RA.CNF;1
 Title : 008
 Sample Title: B-15
 Start Time: 27-NOV-2006 14:54 Sample Time: 13-NOV-2006 00:00 Energy Offset: 3.76405E+03
 Real Time : 0 02:50:01.00 Sample ID : 06 Energy Slope : 2.569000E+00
 Live Time : 0 02:50:01.00 Sample Type: RA Energy Quad : -9.16833E-05



Eberline Services
Oak Ridge Laboratory

Gross Sample Counts Within Peak Regions Generated: 27-NOV-2006 19:17:27.95

Detector ID: 8	Acquisition Start: 27-NOV-2006 14:54:18.01
Live Time: 0 02:50:01.00	Real Time: 0 02:50:01.00
Batch Id: 0611072A-RA	Sample Id: 06
Sample Type: RA	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4619.79	44	0396.91	337.16	240	185	4.31E-03	15.1		
2	0	5283.72	41	0436.70	604.59	498	207	4.02E-03	15.6		
3	0	5802.18	21	0444.44	817.19	727	191	2.06E-03	21.8		

Background Counts Within Peak Regions Generated: 27-NOV-2006 19:17:39.46

	Acquisition Start: 22-NOV-2006 15:34:29.01
Live Time: 0 16:40:03.00	Real Time: 0 16:40:03.00

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4606.79	5	0285.43	332.00	240	185	8.33E-05	44.7		
2	0	5275.29	7	0 2.57	601.00	498	207	1.17E-04	37.8		
3	0	5814.48	11	0331.71	822.00	727	191	1.83E-04	30.2		

Net Sample Counts Within Peak Regions Generated: 27-NOV-2006 19:17:39.71

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4619.79*	119	0396.91	337.16	240	185	1.16E-02	15.2		
2	0	5283.72*	110	0436.70	604.59	498	207	1.08E-02	15.8		
3	0	5802.18*	55	0444.44	817.19	727	191	5.42E-03	22.6		

Flag: "*" = Peak area was modified by background subtraction

```

Configuration      : MCA0:[AMSCOUNT]00005B1A$1
Analyses by       : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
Sample title      : B-15
Sample date       : 13-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 14:54:18
Sample ID        : 06                               Sample quantity  : 0.10000 liter
Sample type      : RA                               Sample geometry  :
Detector name    : 008                             Detector geometry:
Elapsed live time: 0 02:50:01.00                   Elapsed real time: 0 02:50:01.00   0.0%
Energy tolerance : 100.00 keV                       Half life ratio  : 8.00
Errors propagated: Yes                               Systematic Error : 3.00 %
Efficiency type  : Average value                     Efficiencies at  : Peak Energy
Abundance limit  : 75.00
    
```

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/liter
0	4619.79*	119396.91	337.16	240	185	30.4			RA-226	17.2
0	5283.72*	110436.70	604.59	498	207	31.6			RN-222	16.0
0	5802.18*	55444.44	817.19	727	191	45.2			PO-218	8.02

Eberline Services
Oak Ridge Laboratory

ALPHA SPECTROMETRY REPORT
27-NOV-2006 19:18:20

Spectral File: ND_AMS_ARCHIVE_S:S_0611072A-RA\$07_RA.CNF

*
BATCH ID: 0611072A-RA * SAMPLE ID: 07
SAMPLE DATE: 10-NOV-2006 00:00 * ALIQUOT: 1.000E-01 liter
SAMPLE TITLE: B-3 * DETECTOR NUMBER: 009
ACQ DATE: 27-NOV-2006 14:54 * AVERAGE EFFICIENCY: 20.24%
ELAPSED LIVE TIME: 10202. * RECOVERY: 82.89%
TRACER ID: NONE * TRACER FWHM (kev): 0.00
LAMBDA VALUE: 0. * ROI TYPE: STANDARD
TRACER DPM AT SAMPLE DATE: 0.000 * CONFIDENCE FACTOR: 4.65
SAMPLE MATRIX: WATER * LLD CONSTANT: 2.71
ENERGY CAL DATE: 21-NOV-2006 07:13 * EFF CAL DATE: 21-NOV-2006 07:13
BKG FILENAME: B_009_22NOV06 * BKG ELAPSED TIME: 60007.
* SAF: 2.34

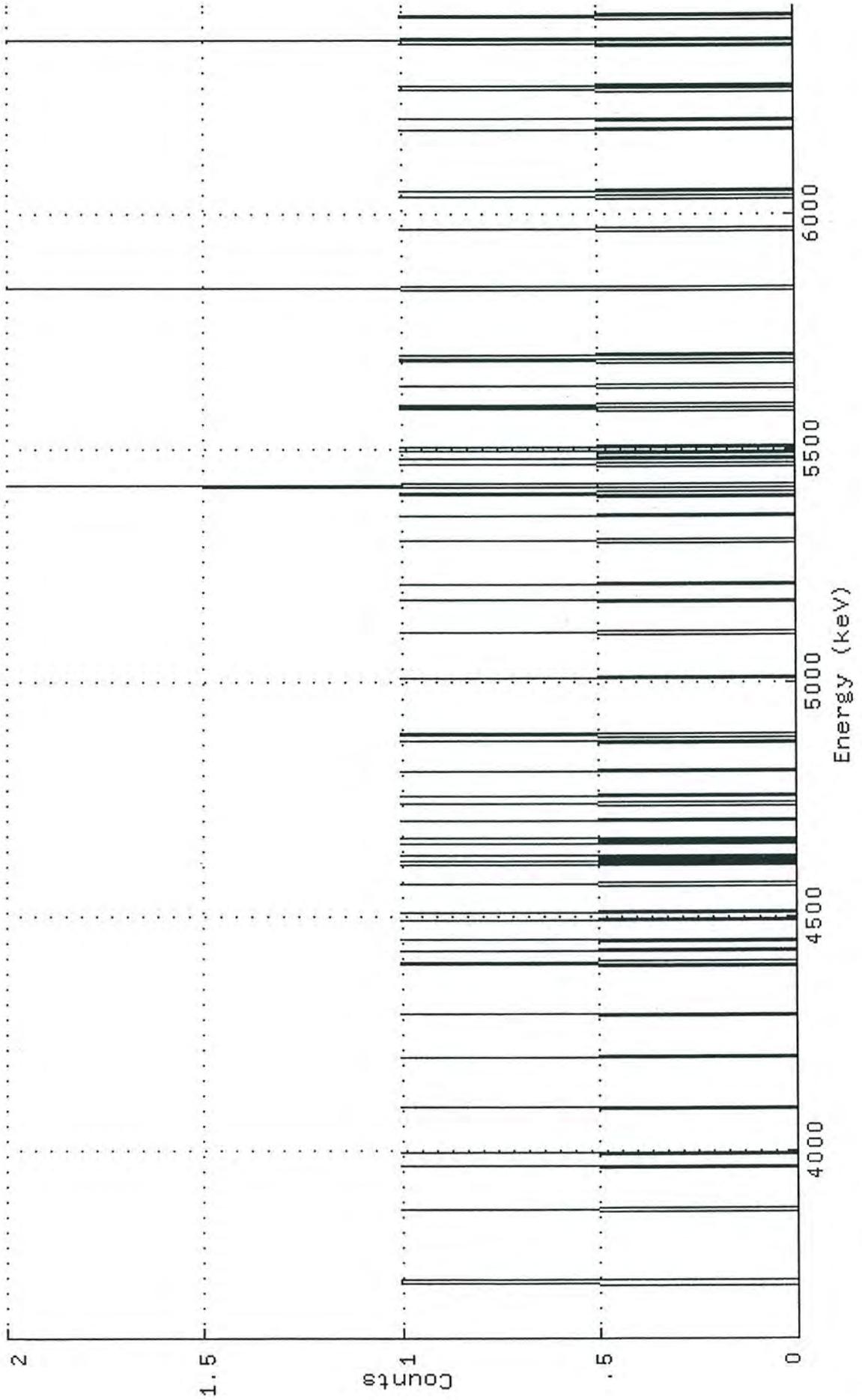
NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ liter	TPU/ERROR 2-SIGMA	MDC pCi/ liter
PO-218	6003.0	23.70	2.04	100.0	3.743E+00	2.472E+00	3.456E+00
RN-222	5490.0	30.55	2.21	99.9	4.828E+00	2.794E+00	3.559E+00
RA-226	4785.0	36.76	0.68	100.0	5.805E+00	2.985E+00	2.418E+00

Analyst JST
Reviewer Alan Speerly

Date 11/27/06
Date 11/28/06

Spectrum : DKA100: [ALPHA,ALUSR.ARCHIVE.SJS_0611072A-RA#07_RA.CNF;1
Title : 009
Sample Title: B-3
Start Time: 27-NOV-2006 14:54 Sample Time: 10-NOV-2006 00:00 Energy Offset: 3.58574E+03
Real Time : 0 02:50:02.00 Sample ID : 07 Energy Slope : 2.89990E+00
Live Time : 0 02:50:02.00 Sample Type: RA Energy Quad : -1.08988E-04



Channel Contents for ND_AMS_ARCHIVE_S:S_0611072A-RA\$07_RA

Channel	10202	10202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:	10202	10202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43:	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127:	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
141:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169:	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
183:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211:	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239:	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
253:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
267:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
281:	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
295:	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
309:	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
323:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
337:	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
351:	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0
365:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
379:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
393:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
407:	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
421:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
435:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
449:	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
463:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
477:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
491:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
505:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
519:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
533:	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
547:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
561:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
575:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
589:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
603:	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
617:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
631:	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
645:	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
659:	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
673:	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
687:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
701:	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0
715:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
729:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
743:	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
757:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
771:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
785:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
799:	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
813:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
827:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
841:	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
855:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
869:	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
883:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
897:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
911:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
925:	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
939:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
953:	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
967:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
981:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
995:	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1009:	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
1023:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Eberline Services
Oak Ridge Laboratory

Gross Sample Counts Within Peak Regions Generated: 27-NOV-2006 19:17:45.21

Detector ID: 9	Acquisition Start: 27-NOV-2006 14:54:37.01
Live Time: 0 02:50:02.00	Real Time: 0 02:50:02.00
Batch Id: 0611072A-RA	Sample Id: 07
Sample Type: RA	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4588.94	16	0429.18	350.56	275	164	1.57E-03	25.0		
2	0	5366.66	14	0 4.26	629.00	504	185	1.37E-03	26.7		
3	0	5774.15	11	0 2.90	777.36	708	169	1.08E-03	30.2		

Background Counts Within Peak Regions Generated: 27-NOV-2006 19:18:18.93

	Acquisition Start: 22-NOV-2006 15:34:31.01
Live Time: 0 16:40:07.00	Real Time: 0 16:40:07.00

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4604.33	4	0176.48	356.50	275	164	6.67E-05	50.0		
2	0	5274.93	13	0 2.89	596.00	504	185	2.17E-04	27.7		
3	0	5815.38	12	0347.18	792.00	708	169	2.00E-04	28.9		

Net Sample Counts Within Peak Regions Generated: 27-NOV-2006 19:18:19.18

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4588.94*	37	0429.18	350.56	275	164	3.60E-03	25.5		
2	0	5366.66*	31	0 4.26	629.00	504	185	2.99E-03	28.7		
3	0	5774.15*	24	0 2.90	777.36	708	169	2.32E-03	32.8		

Flag: "*" = Peak area was modified by background subtraction

```

Configuration      : MCA0:[AMSCOUNT]00005B1A$1
Analyses by       : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
Sample title      : B-3
Sample date       : 10-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 14:54:37
Sample ID        : 07                               Sample quantity  : 0.10000 liter
Sample type      : RA                               Sample geometry  :
Detector name    : 009                             Detector geometry:
Elapsed live time: 0 02:50:02.00                   Elapsed real time: 0 02:50:02.00   0.0%
Energy tolerance : 100.00 keV                       Half life ratio  : 8.00
Errors propagated: Yes                               Systematic Error : 3.00 %
Efficiency type  : Average value                     Efficiencies at  : Peak Energy
Abundance limit  : 75.00
    
```

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/liter
0	4588.94*	37429.18	350.56	275	164	51.0			RA-226	4.81
0	5366.66*	31	4.26	629.00	504	185	57.5		RN-222	4.00
0	5774.15*	24	2.90	777.36	708	169	65.7		PO-218	3.10

Eberline Services
Oak Ridge Laboratory

ALPHA SPECTROMETRY REPORT
27-NOV-2006 19:18:35

Spectral File: ND_AMS_ARCHIVE_S:S_0611072A-RA\$08_RA.CNF

BATCH ID: 0611072A-RA * SAMPLE ID: 08
SAMPLE DATE: 14-NOV-2006 00:00 * ALIQUOT: 1.000E-01 liter
SAMPLE TITLE: WW-1 * DETECTOR NUMBER: 010
ACQ DATE: 27-NOV-2006 14:54 * AVERAGE EFFICIENCY: 20.56%
ELAPSED LIVE TIME: 10205. * RECOVERY: 97.21%
TRACER ID: NONE * TRACER FWHM (kev): 0.00
LAMBDA VALUE: 0. * ROI TYPE: STANDARD
TRACER DPM AT SAMPLE DATE: 0.000 * CONFIDENCE FACTOR: 4.65
SAMPLE MATRIX: WATER * LLD CONSTANT: 2.71
ENERGY CAL DATE: 21-NOV-2006 07:13 * EFF CAL DATE: 21-NOV-2006 07:13
BKG FILENAME: B_010_22NOV06 * BKG ELAPSED TIME: 60004.
* SAF: 2.47
*

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ liter	TPU/ERROR 2-SIGMA	MDC pCi/ liter
PO-218	6003.0	7.50	2.38	100.0	9.938E-01	1.322E+00	3.236E+00
RN-222	5490.0	13.63	1.19	99.9	1.807E+00	1.614E+00	2.549E+00
RA-226	4785.0	3.75	1.19	100.0	4.968E-01	9.339E-01	2.547E+00

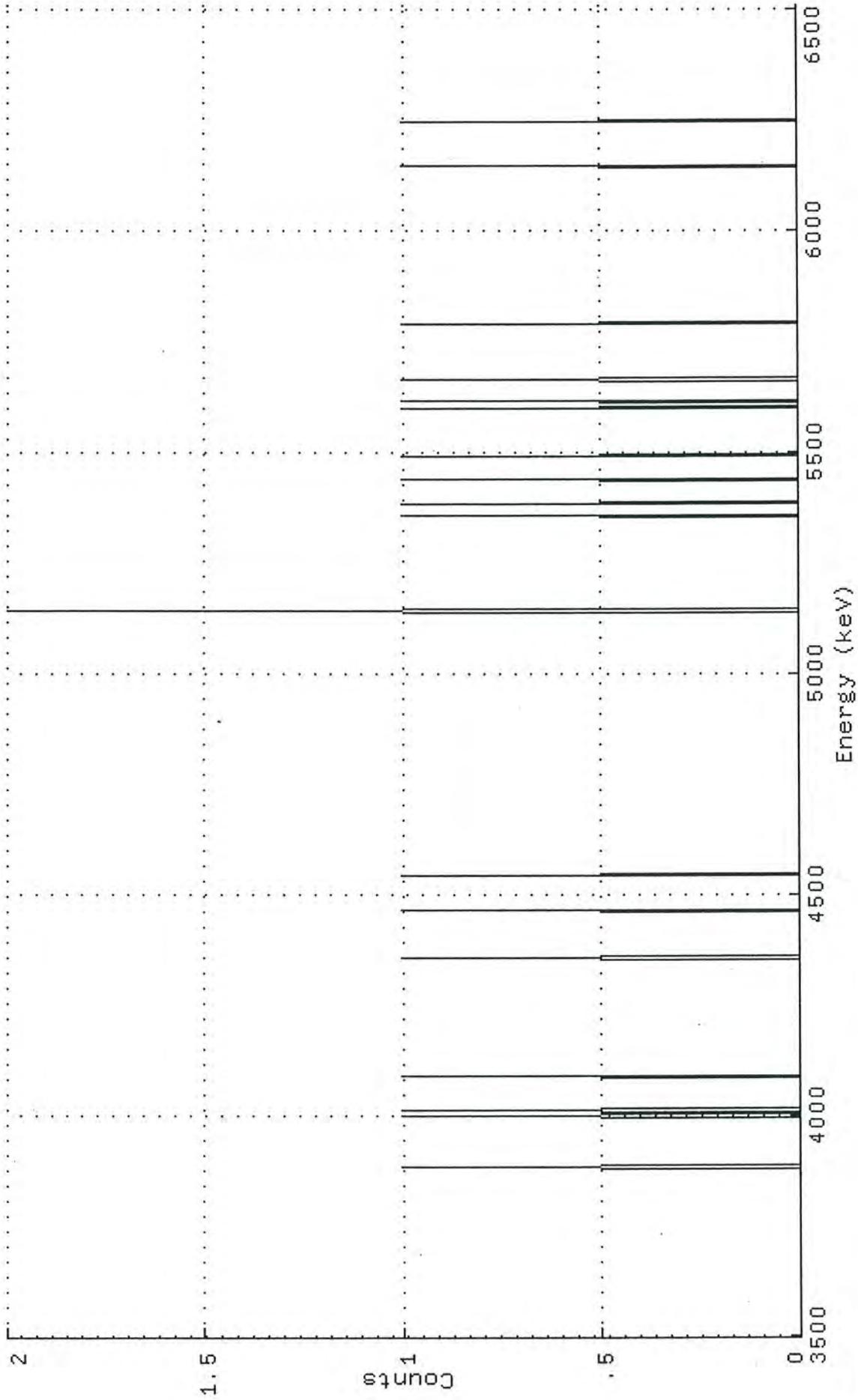
Analyst *JAT*

Date 11/27/06

Reviewer *Alan J. Gregory*

Date 11/28/06

Spectrum : DKA100: [ALPHA.ALUSR.ARCHIVE.SJS_0611072A-RA\$08_RA.CNF; 1
 Title : 010
 Sample Title: wlu-1
 Start Time: 27-NOV-2006 14:54 Sample Time: 14-NOV-2006 00:00 Energy Offset: 3.48452E+03
 Real Time : 0 02:50:05.00 Sample ID : 08 Energy Slope : 3.10032E+00
 Live Time : 0 02:50:05.00 Sample Type: RA Energy Quad : -1.46566E-04



Channel Contents for ND_AMS_ARCHIVE_S:S_0611072A-RA\$08_RA

Channel	10205	10205	0	0	0	0	0	0	0	0	0	0	0	0
1:	10205	10205	0	0	0	0	0	0	0	0	0	0	0	0
15:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127:	0	0	1	0	0	0	0	0	0	0	0	0	0	0
141:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155:	0	0	0	0	0	0	0	0	0	0	0	0	1	0
169:	0	0	1	0	0	0	0	0	0	0	0	0	0	0
183:	0	0	0	0	0	0	0	0	0	0	0	0	0	1
197:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
253:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
267:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
281:	0	0	0	0	1	0	0	0	0	0	0	0	0	0
295:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
309:	0	0	0	0	0	0	0	0	0	0	0	1	0	0
323:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
337:	0	0	0	0	0	0	0	0	0	1	0	0	0	0
351:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
365:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
379:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
393:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
407:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
421:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
435:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
449:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
463:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
477:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
491:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
505:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
519:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
533:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
547:	0	2	0	0	0	0	0	0	0	0	0	0	0	0
561:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
575:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
589:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
603:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
617:	0	0	0	0	1	0	0	0	0	0	0	0	0	0
631:	1	0	0	0	0	0	0	0	0	0	0	0	0	0
645:	0	0	0	0	1	0	0	0	0	0	0	0	0	0
659:	0	0	0	0	0	0	0	0	1	0	0	0	0	0
673:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
687:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
701:	0	0	0	0	1	0	0	0	0	1	0	0	0	0
715:	0	0	0	0	0	0	0	0	0	0	0	0	1	0
729:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
743:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
757:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
771:	1	0	0	0	0	0	0	0	0	0	0	0	0	0
785:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
799:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
813:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
827:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
841:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
855:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
869:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
883:	0	0	0	0	0	0	0	0	0	0	0	1	0	0
897:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
911:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
925:	0	0	0	0	0	0	1	0	0	0	0	0	0	0
939:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
953:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
967:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
981:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
995:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1009:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1023:	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Eberline Services
Oak Ridge Laboratory

Gross Sample Counts Within Peak Regions Generated: 27-NOV-2006 19:18:24.63

Detector ID: 10	Acquisition Start: 27-NOV-2006 14:54:54.01
Live Time: 0 02:50:05.00	Real Time: 0 02:50:05.00
Batch Id: 0611072A-RA	Sample Id: 08
Sample Type: RA	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4502.18	2	0	86.81	333.50	291	155	1.96E-04	70.7	
2	0	5323.61	6	0	3.10	610.83	507	175	5.88E-04	40.8	
3	0	5664.60	4	0	207.72	728.25	700	161	3.92E-04	50.0	

Background Counts Within Peak Regions Generated: 27-NOV-2006 19:18:33.21

Live Time: 0 16:40:04.00	Acquisition Start: 22-NOV-2006 15:34:34.01
	Real Time: 0 16:40:04.00

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4605.56	7	0	226.89	368.00	291	155	1.17E-04	37.8	
2	0	5274.13	7	0	379.18	594.00	507	175	1.17E-04	37.8	
3	0	5812.44	14	0	54.39	780.00	700	161	2.33E-04	26.7	

Net Sample Counts Within Peak Regions Generated: 27-NOV-2006 19:18:33.47

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4502.18*	4	0	86.81	333.50	291	155	3.67E-04	93.9	
2	0	5323.61*	14	0	3.10	610.83	507	175	1.34E-03	44.5	
3	0	5664.60*	7	0	207.72	728.25	700	161	7.35E-04	66.4	

Flag: "*" = Peak area was modified by background subtraction

VMS Nuclide Identification Report V3.0 Generated 27-NOV-2006 19:18:34

Configuration : MCA0:[AMSCOUNT]00005B1A\$1
 Analyses by : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
 Sample title : WW-1
 Sample date : 14-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 14:54:54
 Sample ID : 08 Sample quantity : 0.10000 liter
 Sample type : RA Sample geometry :
 Detector name : 010 Detector geometry:
 Elapsed live time: 0 02:50:05.00 Elapsed real time: 0 02:50:05.00 0.0%
 Energy tolerance : 100.00 keV Half life ratio : 8.00
 Errors propagated: Yes Systematic Error : 3.00 %
 Efficiency type : Average value Efficiencies at : Peak Energy
 Abundance limit : 75.00

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/liter
0	4502.18*	4	86.81	333.50	291	155187.9			RA-226	0.483
0	5323.61*	14	3.10	610.83	507	175 89.0			RN-222	1.76
0	5664.60*	7207.72	728.25	700	161132.8				PO-218	0.966

Eberline Services
Oak Ridge Laboratory

ALPHA SPECTROMETRY REPORT
27-NOV-2006 19:21:09

Spectral File: ND_AMS_ARCHIVE_S:S_0611072A-RA\$09_RA.CNF

BATCH ID: 0611072A-RA * SAMPLE ID: 09
SAMPLE DATE: 14-NOV-2006 00:00 * ALIQUOT: 1.000E-01 liter
SAMPLE TITLE: WW-2 * DETECTOR NUMBER: 011
ACQ DATE: 27-NOV-2006 14:55 * AVERAGE EFFICIENCY: 21.11%
ELAPSED LIVE TIME: 10203. * RECOVERY: 88.12%
TRACER ID: NONE * TRACER FWHM (kev): 0.00
LAMBDA VALUE: 0. * ROI TYPE: STANDARD
TRACER DPM AT SAMPLE DATE: 0.000 * CONFIDENCE FACTOR: 4.65
SAMPLE MATRIX: WATER * LLD CONSTANT: 2.71
ENERGY CAL DATE: 24-NOV-2006 12:47 * EFF CAL DATE: 24-NOV-2006 12:47
BKG FILENAME: B_011_22NOV06 * BKG ELAPSED TIME: 60001.
* SAF: 2.47
*

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ liter	TPU/ERROR 2-SIGMA	MDC pCi/ liter
PO-218	6003.0	3.75	1.19	100.0	5.341E-01	1.004E+00	2.738E+00
RN-222	5490.0	0.43	2.04	99.9	6.120E-02	7.238E-01	3.292E+00
RA-226	4785.0	12.18	0.17	100.0	1.734E+00	1.578E+00	1.628E+00

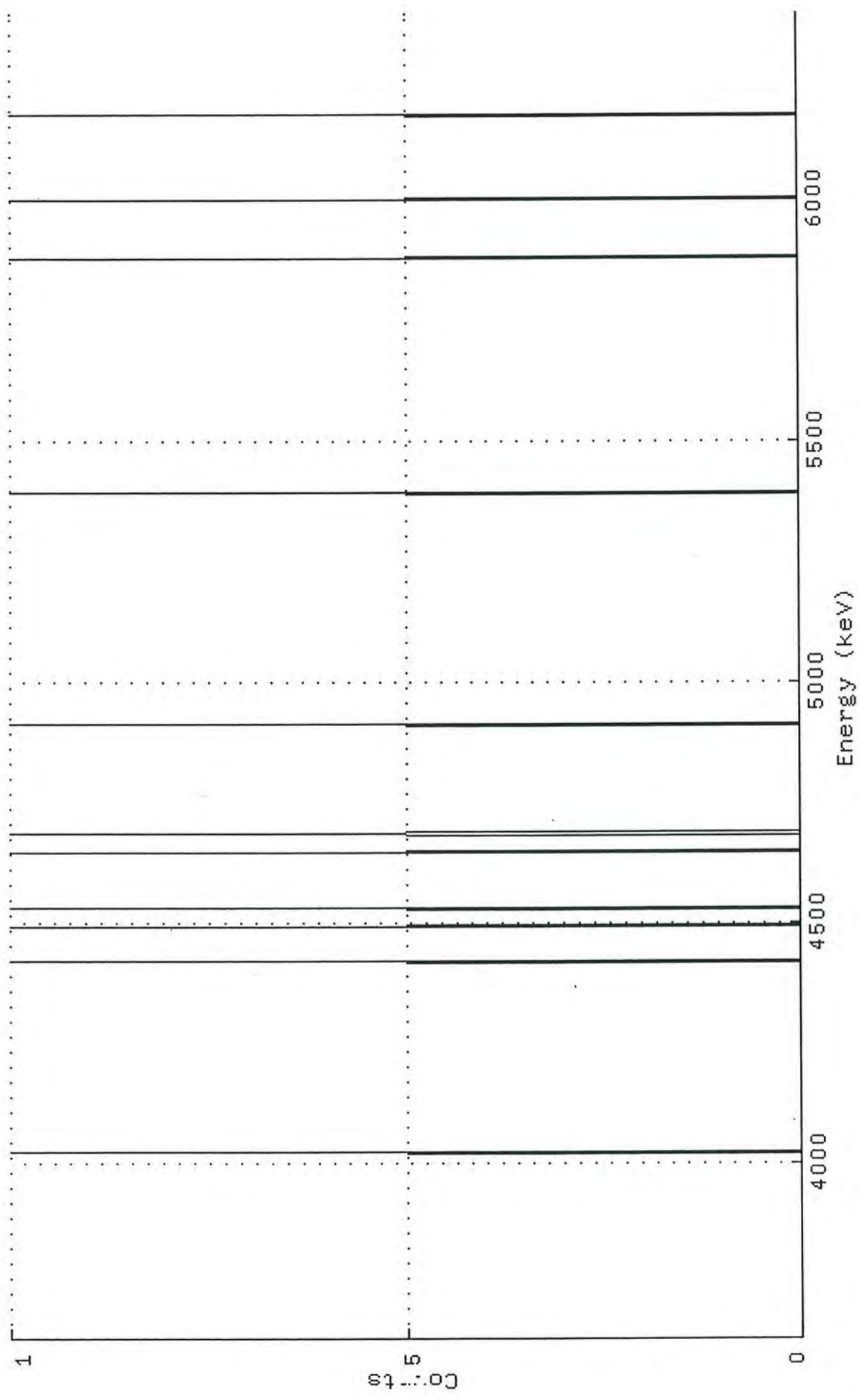
Analyst JRT

11/27/06
Date

Reviewer Alan Gregory

11/28/06
Date

Spectrum : DKA100: [ALPHA.ALUSR.ARCHIVE.S]S_0611072A-RA#09_RA.CNF;1
 Title : 011
 Sample Title: WJ-2
 Start Time: 27-NOV-2006 14:55 Sample Time: 14-NOV-2006 00:00 Energy Offset: 3.62568E+03
 Real Time : 0 02:50:03.00 Sample ID : 09 Energy Slope : 2.83084E+00
 Live Time : 0 02:50:03.00 Sample Type: RA Energy Quad : -1.35839E-04



Channel Contents for ND_AMS_ARCHIVE_S:S_0611072A-RA\$09_RA

Channel	10203	10203	0	0	0	0	0	0	0	0	0	0	0	0
1:	10203	10203	0	0	0	0	0	0	0	0	0	0	0	0
15:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141:	1	0	0	0	0	0	0	0	0	0	0	0	0	0
155:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
253:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
267:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
281:	0	0	0	1	0	0	0	0	0	0	0	0	0	0
295:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
309:	0	0	1	0	0	0	0	0	0	0	0	0	0	0
323:	0	1	0	0	0	0	0	0	0	0	0	0	0	0
337:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
351:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
365:	0	0	1	0	0	0	0	0	0	0	0	0	0	0
379:	0	0	1	0	0	0	0	0	0	0	0	0	0	0
393:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
407:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
421:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
435:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
449:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
463:	0	1	0	0	0	0	0	0	0	0	0	0	0	0
477:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
491:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
505:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
519:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
533:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
547:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
561:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
575:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
589:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
603:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
617:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
631:	0	0	0	0	0	0	0	0	0	0	0	0	1	0
645:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
659:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
673:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
687:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
701:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
715:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
729:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
743:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
757:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
771:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
785:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
799:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
813:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
827:	0	1	0	0	0	0	0	0	0	0	0	0	0	0
841:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
855:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
869:	0	0	0	0	0	0	1	0	0	0	0	0	0	0
883:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
897:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
911:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
925:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
939:	0	0	0	1	0	0	0	0	0	0	0	0	0	0
953:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
967:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
981:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
995:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1009:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1023:	0	0	0	0	0	0	0	0	0	0	0	0	0	0

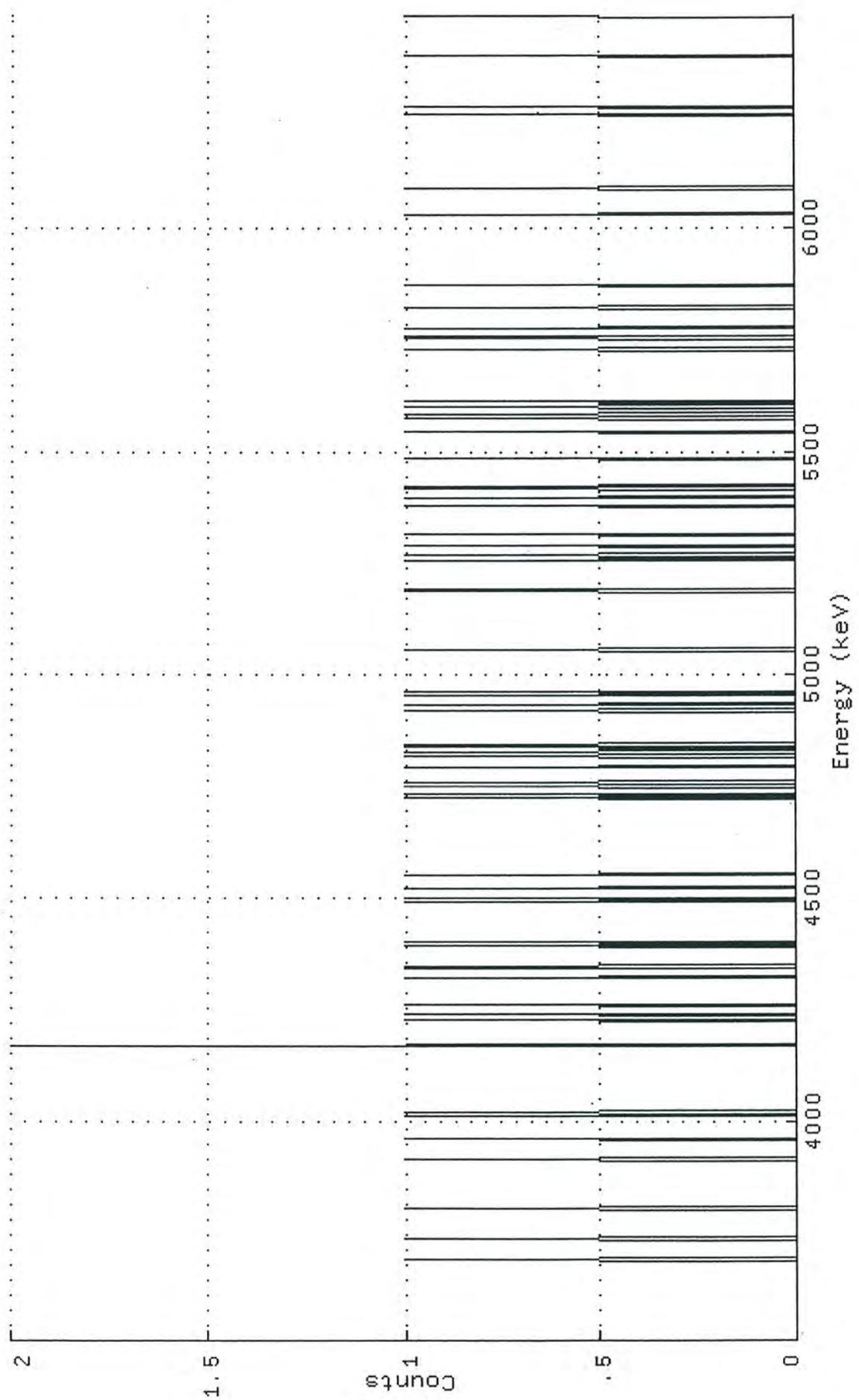

```

Configuration      : MCA0:[AMSCOUNT]00005B1A$1
Analyses by       : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
Sample title      : WW-2
Sample date       : 14-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 14:55:14
Sample ID         : 09 Sample quantity   : 0.10000 liter
Sample type       : RA Sample geometry   :
Detector name     : 011 Detector geometry:
Elapsed live time: 0 02:50:03.00 Elapsed real time: 0 02:50:03.00 0.0%
Energy tolerance : 100.00 keV Half life ratio : 8.00
Errors propagated: Yes Systematic Error : 3.00 %
Efficiency type  : Average value Efficiencies at : Peak Energy
Abundance limit  : 75.00
    
```

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/liter
0	4554.38*	12277.42	333.40	268	170	90.7			RA-226	1.53
0	5389.75*	0	2.83	643.00	505	191	*****		RN-222	5.393E-02
0	5937.65*	4135.88	851.50	716	177	187.9			PO-218	0.471

Spectrum : DKA100:[ALPHA.ALUSR.ARCHIVE.S]S_0611072A-RA\$10_RA.CNF;1
Title : 012
Sample Title: B-6
Start Time: 27-NOV-2006 14:55 Sample Time: 10-NOV-2006 00:00 Energy Offset: 3.49912E+03
Real Time : 0 02:50:01.00 Sample ID : 10 Energy Slope : 3.07710E+00
Live Time : 0 02:50:01.00 Sample Type: RA Energy Quad : -1.71477E-04



Channel Contents for ND_AMS_ARCHIVE_S:S_0611072A-RA\$10_RA

Channel	10201	10201	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:	10201	10201	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57:	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
71:	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
85:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
141:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
155:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169:	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
183:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211:	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
225:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239:	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0
253:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
267:	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0
281:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
295:	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
309:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
323:	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
337:	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0
351:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
365:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
379:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
393:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
407:	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0
421:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
435:	0	0	0	0	1	0	0	1	0	0	0	1	0	0	1	0
449:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
463:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
477:	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0
491:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
505:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
519:	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
533:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
547:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
561:	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
575:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
589:	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0
603:	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
617:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
631:	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
645:	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
659:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
673:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
687:	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
701:	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1
715:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
729:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
743:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
757:	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
771:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
785:	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
799:	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
813:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
827:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
841:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
855:	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
869:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
883:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
897:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
911:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
925:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
939:	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
953:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
967:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
981:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
995:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1009:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1023:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Configuration : MCA0:[AMSCOUNT]00005B1A\$1
 Analyses by : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
 Sample title : B-6
 Sample date : 10-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 14:55:30
 Sample ID : 10 Sample quantity : 0.10000 liter
 Sample type : RA Sample geometry :
 Detector name : 012 Detector geometry:
 Elapsed live time: 0 02:50:01.00 Elapsed real time: 0 02:50:01.00 0.0%
 Energy tolerance : 100.00 keV Half life ratio : 8.00
 Errors propagated: Yes Systematic Error : 3.00 %
 Efficiency type : Average value Efficiencies at : Peak Energy
 Abundance limit : 75.00

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/liter
0	4650.18*	34	0.00	382.21	289	158	55.1		RA-226	4.18
0	5303.50*	27458.49	606.92	606.92	509	178	64.6		RN-222	3.31
0	5769.01*	21473.87	770.78	770.78	705	165	70.6		PO-218	2.62

Eberline Services
Oak Ridge Laboratory

ALPHA SPECTROMETRY REPORT
27-NOV-2006 19:21:36

Spectral File: ND_AMS_ARCHIVE S:S_0611072A-RA\$11_RA.CNF

BATCH ID: 0611072A-RA * SAMPLE ID: 11
SAMPLE DATE: 10-NOV-2006 00:00 * ALIQUOT: 1.000E-01 liter
SAMPLE TITLE: B-19 * DETECTOR NUMBER: 013
ACQ DATE: 27-NOV-2006 14:55 * AVERAGE EFFICIENCY: 21.10%
ELAPSED LIVE TIME: 10202. * RECOVERY: 92.88%
TRACER ID: NONE * TRACER FWHM (kev): 0.00
LAMBDA VALUE: 0. * ROI TYPE: STANDARD
TRACER DPM AT SAMPLE DATE: 0.000 * CONFIDENCE FACTOR: 4.65
SAMPLE MATRIX: WATER * LLD CONSTANT: 2.71
ENERGY CAL DATE: 21-NOV-2006 07:13 * EFF CAL DATE: 21-NOV-2006 07:13
BKG FILENAME: B_013_22NOV06 * BKG ELAPSED TIME: 60004.
* SAF: 2.44
*

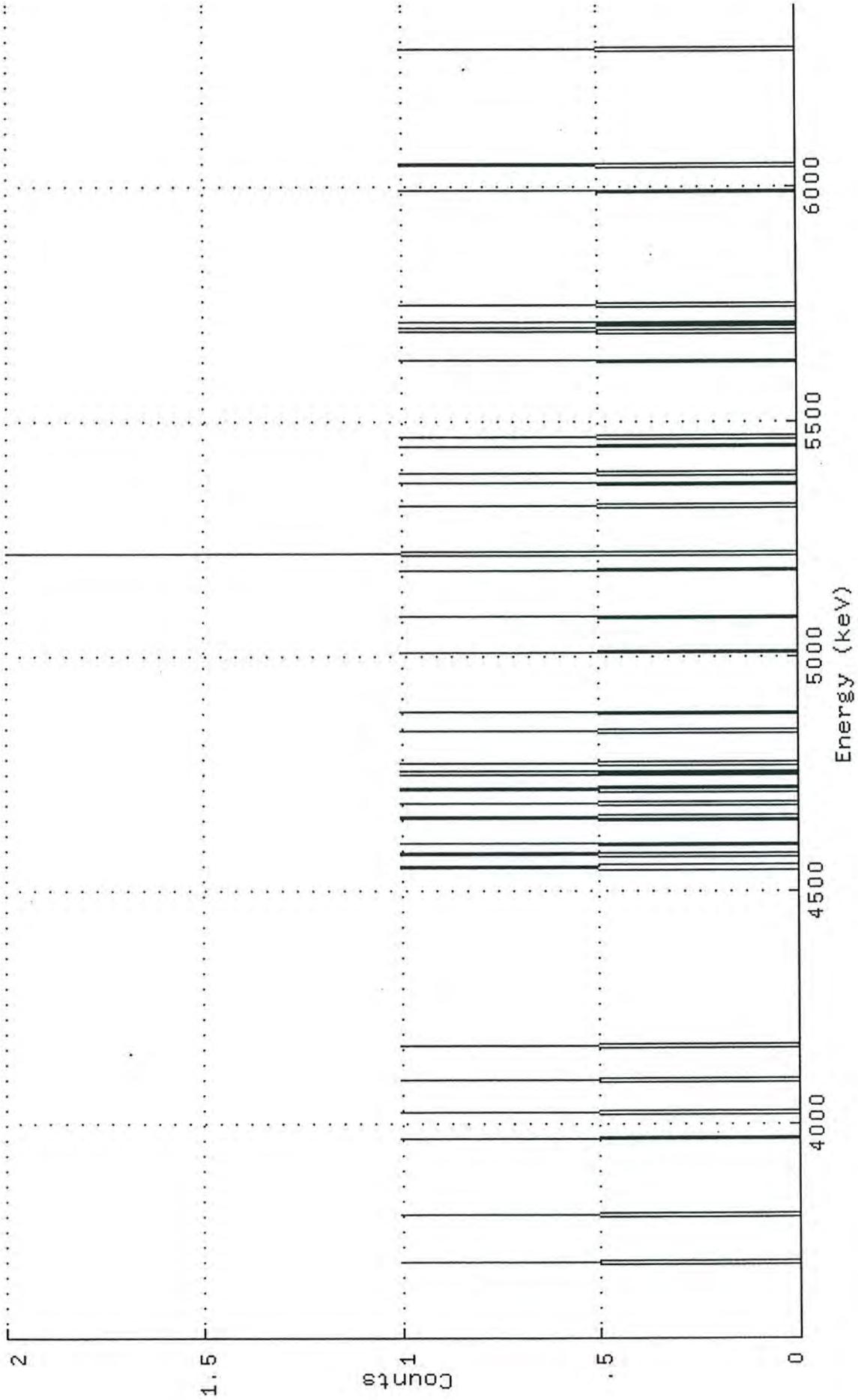
NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ liter	TPU/ERROR 2-SIGMA	MDC pCi/ liter
PO-218	6003.0	16.12	3.40	100.0	2.180E+00	1.884E+00	3.723E+00
RN-222	5490.0	19.75	2.21	99.9	2.672E+00	1.996E+00	3.177E+00
RA-226	4785.0	30.87	0.85	100.0	4.173E+00	2.398E+00	2.308E+00

Analyst JOT Date 11/27/06

Reviewer Alan Gregory Date 11/28/06

Spectrum : DKA100: [ALPHA.ALUSR.ARCHIVE.SJS_0611072A-RA\$11_RA.CNF;1
Title : 013
Sample Title: B-19
Start Time: 27-NOV-2006 14:55 Sample Time: 10-NOV-2006 00:00 Energy Offset: 3.53342E+03
Real Time : 0 02:50:02.00 Sample ID : 11 Energy Slope : 2.91526E+00
Live Time : 0 02:50:02.00 Sample Type: RA Energy Quad : -1.30120E-04



Channel Contents for ND_AMS_ARCHIVE_S:S_0611072A-RA\$11_RA

Channel	10202	10202	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:	10202	10202	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57:	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
71:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
99:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
155:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
197:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
225:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
253:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
267:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
281:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
295:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
309:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
323:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
337:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
351:	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1
365:	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
379:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
393:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
407:	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
421:	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0
435:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
449:	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
463:	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
477:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
491:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
505:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
519:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
533:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
547:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
561:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
575:	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
589:	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
603:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
617:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
631:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
645:	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0
659:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
673:	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
687:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
701:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
715:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
729:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
743:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
757:	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0
771:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
785:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
799:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
813:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
827:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
841:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
855:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
869:	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
883:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
897:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
911:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
925:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
939:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
953:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
967:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
981:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
995:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1009:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1023:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0


```

Configuration      : MCA0:[AMSCOUNT]00005B1A$1
Analyses by       : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
Sample title      : B-19
Sample date       : 10-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 14:55:45
Sample ID        : 11                               Sample quantity  : 0.10000 liter
Sample type      : RA                               Sample geometry  :
Detector name    : 013                             Detector geometry:
Elapsed live time: 0 02:50:02.00                  Elapsed real time: 0 02:50:02.00  0.0%
Energy tolerance : 100.00 keV                     Half life ratio  : 8.00
Errors propagated: Yes                             Systematic Error : 3.00 %
Efficiency type  : Average value                    Efficiencies at  : Peak Energy
Abundance limit  : 75.00
    
```

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/liter
0	4656.43*	31232.86	392.08	292	165	57.1			RA-226	3.88
0	5297.29*	20	2.92	622.33	522	185	74.4		RN-222	2.48
0	5816.85*	16	0.00	812.75	727	171	86.1		PO-218	2.02

Eberline Services
Oak Ridge Laboratory

ALPHA SPECTROMETRY REPORT
27-NOV-2006 19:21:59

Spectral File: ND_AMS_ARCHIVE_S:S_0611072A-RA\$12_RA.CNF

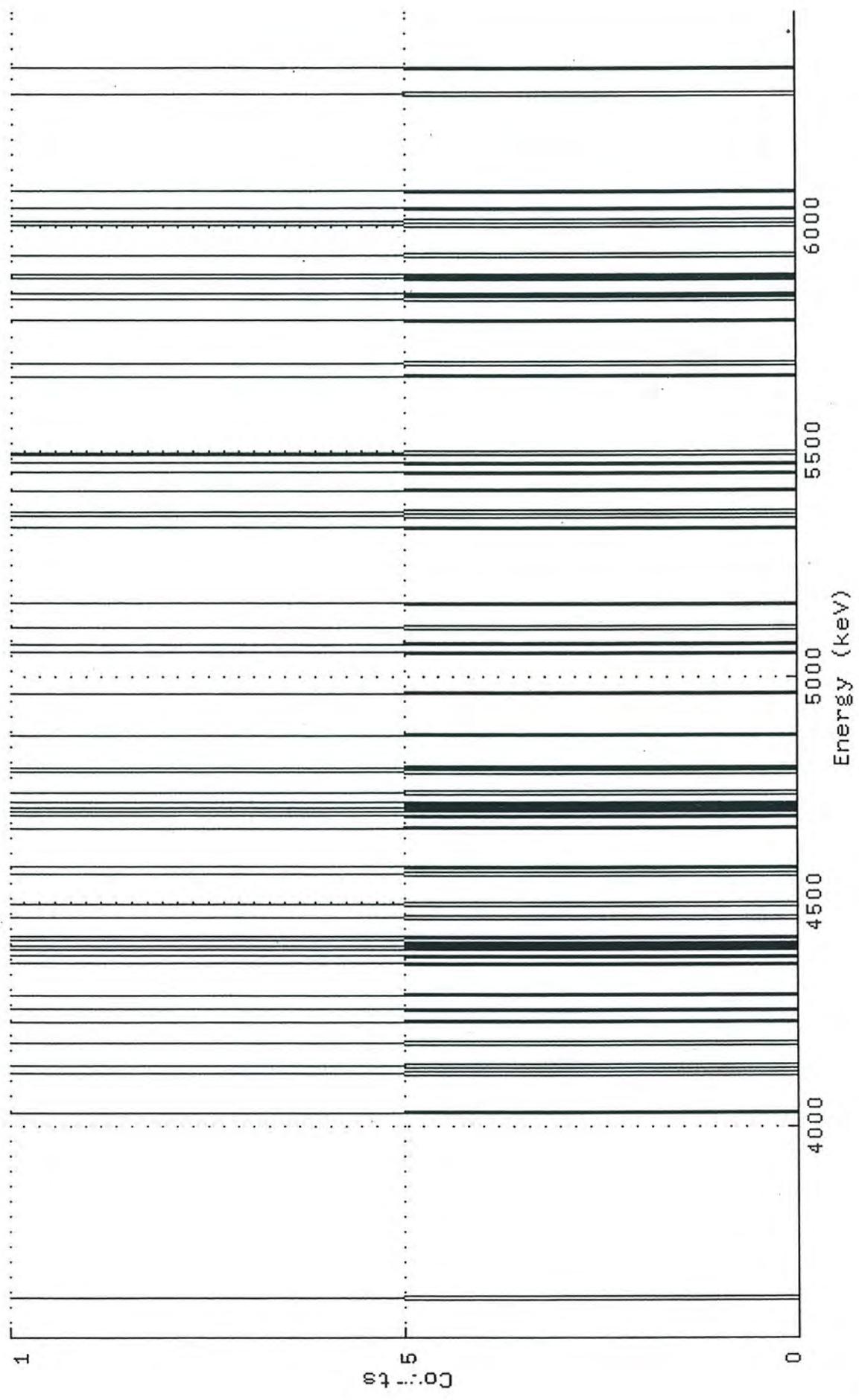
BATCH ID:	0611072A-RA	*	SAMPLE ID:	12
SAMPLE DATE:	10-NOV-2006 00:00	*	ALIQUOT:	1.000E-01 liter
SAMPLE TITLE:	B-2	*	DETECTOR NUMBER:	014
ACQ DATE:	27-NOV-2006 14:56	*	AVERAGE EFFICIENCY:	21.02%
ELAPSED LIVE TIME:	10204.	*	RECOVERY:	96.96%
TRACER ID:	NONE	*	TRACER FWHM (kev):	0.00
LAMBDA VALUE:	0.	*	ROI TYPE:	STANDARD
TRACER DPM AT SAMPLE DATE:	0.000	*	CONFIDENCE FACTOR:	4.65
SAMPLE MATRIX:	WATER	*	LLD CONSTANT:	2.71
ENERGY CAL DATE:	21-NOV-2006 07:13	*	EFF CAL DATE:	21-NOV-2006 07:13
BKG FILENAME:	B_014_22NOV06	*	BKG ELAPSED TIME:	60001.
		*	SAF:	2.40
		*		

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ liter	TPU/ERROR 2-SIGMA	MDC pCi/ liter
PO-218	6003.0	22.83	3.57	100.0	2.968E+00	2.090E+00	3.587E+00
RN-222	5490.0	27.97	3.23	99.9	3.638E+00	2.274E+00	3.456E+00
RA-226	4785.0	39.78	1.02	100.0	5.170E+00	2.600E+00	2.311E+00

Analyst jat Date 11/27/06
Reviewer Allen Jregily Date 11/28/06

Spectrum : DKA100:[ALPHA.ALUSR.ARCHIVE.S]S_0611072A-RA\$12_RA.CNF;1
Title : 014
Sample Title: B-2
Start Time: 27-NOV-2006 14:56 Sample Time: 10-NOV-2006 00:00 Energy Offset: 3.52055E+03
Real Time : 0 02:50:04.00 Sample ID : 12 Energy Slope : 3.03092E+00
Live Time : 0 02:50:04.00 Sample Type: RA Energy Quad : -1.47172E-04



Channel Contents for ND_AMS_ARCHIVE_S:S_0611072A-RA\$12_RA

Channel	10204	10204	0	0	0	0	0	0	0	0	0	0	0	0
1:	10204	10204	0	0	0	0	0	0	0	0	0	0	0	0
15:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29:	0	0	0	1	0	0	0	0	0	0	0	0	0	0
43:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169:	0	1	0	0	0	0	0	0	0	0	0	0	0	0
183:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197:	0	0	1	0	0	0	0	0	1	0	0	0	0	0
211:	0	0	0	0	0	0	0	0	0	0	0	1	0	0
225:	0	0	0	0	0	0	0	0	0	0	0	0	0	1
239:	0	0	0	0	0	0	0	0	1	0	0	0	0	0
253:	0	0	0	0	0	1	0	0	0	0	0	0	0	0
267:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
281:	1	0	0	0	0	0	1	0	0	0	0	1	0	0
295:	1	0	0	0	1	0	1	0	0	0	0	0	0	0
309:	0	0	0	0	0	0	0	1	0	0	0	0	0	0
323:	0	0	0	1	0	0	0	0	0	0	0	0	0	0
337:	0	0	0	0	0	0	0	0	0	0	0	0	1	0
351:	0	0	0	1	0	0	0	0	0	0	0	0	0	0
365:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
379:	0	0	0	0	0	1	0	0	0	0	0	0	0	0
393:	1	0	0	0	1	0	0	1	0	0	1	0	0	0
407:	0	0	0	0	1	0	0	0	0	0	0	0	0	0
421:	0	0	0	0	0	0	1	0	0	1	0	0	0	0
435:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
449:	0	0	0	0	0	0	1	0	0	0	0	0	0	0
463:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
477:	0	0	0	0	0	0	0	0	0	0	1	0	0	0
491:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
505:	0	0	0	0	0	0	0	0	0	0	0	0	0	1
519:	0	0	0	0	0	0	1	0	0	0	0	0	0	0
533:	0	0	0	0	1	1	0	0	0	0	0	0	0	0
547:	0	0	0	0	0	0	0	0	0	1	0	0	0	0
561:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
575:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
589:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
603:	0	0	0	0	0	0	0	0	0	0	0	0	1	0
617:	0	0	0	0	0	0	0	0	1	0	0	1	0	0
631:	0	0	0	0	0	0	0	0	0	0	0	0	0	1
645:	0	0	0	0	0	0	0	0	0	0	0	0	0	1
659:	0	0	0	0	0	0	1	0	0	0	0	0	0	1
673:	1	0	0	0	0	0	0	0	0	0	0	0	0	0
687:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
701:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
715:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
729:	0	0	0	0	1	0	0	0	0	0	0	0	0	0
743:	1	0	0	0	0	0	0	0	0	0	0	0	0	0
757:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
771:	0	0	0	0	0	0	1	0	0	0	0	0	0	0
785:	0	0	0	0	0	0	0	0	0	1	0	0	0	1
799:	0	0	0	0	0	0	0	0	0	0	0	1	0	0
813:	1	0	0	0	0	0	0	0	0	0	0	0	0	0
827:	0	0	1	0	0	0	0	0	0	0	0	0	0	0
841:	0	0	0	0	0	0	0	0	0	0	0	0	1	0
855:	0	1	0	0	0	0	0	0	0	0	0	1	0	0
869:	0	0	0	0	0	0	0	0	0	0	0	1	0	0
883:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
897:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
911:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
925:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
939:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
953:	0	0	0	0	0	1	0	0	0	0	0	0	0	0
967:	0	0	0	0	0	0	0	0	0	0	0	0	1	0
981:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
995:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1009:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1023:	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Eberline Services
Oak Ridge Laboratory

Gross Sample Counts Within Peak Regions Generated: 27-NOV-2006 19:21:40.00

Detector ID: 14	Acquisition Start: 27-NOV-2006 14:56:10.01
Live Time: 0 02:50:04.00	Real Time: 0 02:50:04.00
Batch Id: 0611072A-RA	Sample Id: 12
Sample Type: RA	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4582.97	17	0436.45	356.71	286	159	1.67E-03	24.3		
2	0	5297.53	13	0472.82	604.00	507	179	1.27E-03	27.7		
3	0	5869.38	11	0406.14	806.55	705	165	1.08E-03	30.2		

Background Counts Within Peak Regions Generated: 27-NOV-2006 19:21:57.35

Live Time: 0 16:40:01.00	Acquisition Start: 22-NOV-2006 15:34:45.01
	Real Time: 0 16:40:01.00

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4607.14	6	0	3.03	365.00	286	159	1.00E-04	40.8	
2	0	5273.90	19	0	3.03	596.00	507	179	3.17E-04	22.9	
3	0	5812.86	21	0	12.01	787.00	705	165	3.50E-04	21.8	

Net Sample Counts Within Peak Regions Generated: 27-NOV-2006 19:21:57.64

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4582.97*	40	0436.45	356.71	286	159	3.90E-03	24.9		
2	0	5297.53*	28	0472.82	604.00	507	179	2.74E-03	31.1		
3	0	5869.38*	23	0406.14	806.55	705	165	2.24E-03	35.0		

Flag: "*" = Peak area was modified by background subtraction

```

Configuration      : MCA0:[AMSCOUNT]00005B1A$1
Analyses by       : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
Sample title      : B-2
Sample date       : 10-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 14:56:10
Sample ID         : 12                               Sample quantity  : 0.10000 liter
Sample type       : RA                               Sample geometry   :
Detector name     : 014                             Detector geometry:
Elapsed live time: 0 02:50:04.00                   Elapsed real time: 0 02:50:04.00   0.0%
Energy tolerance  : 100.00 keV                     Half life ratio  : 8.00
Errors propagated: Yes                             Systematic Error : 3.00 %
Efficiency type   : Average value                   Efficiencies at  : Peak Energy
Abundance limit  : 75.00
    
```

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/liter
0	4582.97*	40436.45	356.71	286	159	49.8			RA-226	5.01
0	5297.53*	28472.82	604.00	507	179	62.1			RN-222	3.53
0	5869.38*	23406.14	806.55	705	165	70.1			PO-218	2.88

Eberline Services
Oak Ridge Laboratory

ALPHA SPECTROMETRY REPORT
27-NOV-2006 19:22:19

Spectral File: ND_AMS_ARCHIVE_S:S_0611072A-RA\$13_RA.CNF

BATCH ID: 0611072A-RA * SAMPLE ID: 13
SAMPLE DATE: 10-NOV-2006 00:00 * ALIQUOT: 1.000E-01 liter
SAMPLE TITLE: B-1 * DETECTOR NUMBER: 016
ACQ DATE: 27-NOV-2006 14:56 * AVERAGE EFFICIENCY: 20.39%
ELAPSED LIVE TIME: 10204. * RECOVERY: 93.06%
TRACER ID: NONE * TRACER FWHM (kev): 0.00
LAMBDA VALUE: 0. * ROI TYPE: STANDARD
TRACER DPM AT SAMPLE DATE: 0.000 * CONFIDENCE FACTOR: 4.65
SAMPLE MATRIX: WATER * LLD CONSTANT: 2.71
ENERGY CAL DATE: 21-NOV-2006 07:14 * EFF CAL DATE: 21-NOV-2006 07:14
BKG FILENAME: B_016_22NOV06 * BKG ELAPSED TIME: 60007.
* SAF: 2.37
*

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ liter	TPU/ERROR 2-SIGMA	MDC pCi/ liter
PO-218	6003.0	12.85	3.74	100.0	1.794E+00	1.770E+00	3.874E+00
RN-222	5490.0	20.65	0.68	99.9	2.886E+00	1.999E+00	2.167E+00
RA-226	4785.0	10.32	1.53	100.0	1.441E+00	1.490E+00	2.800E+00

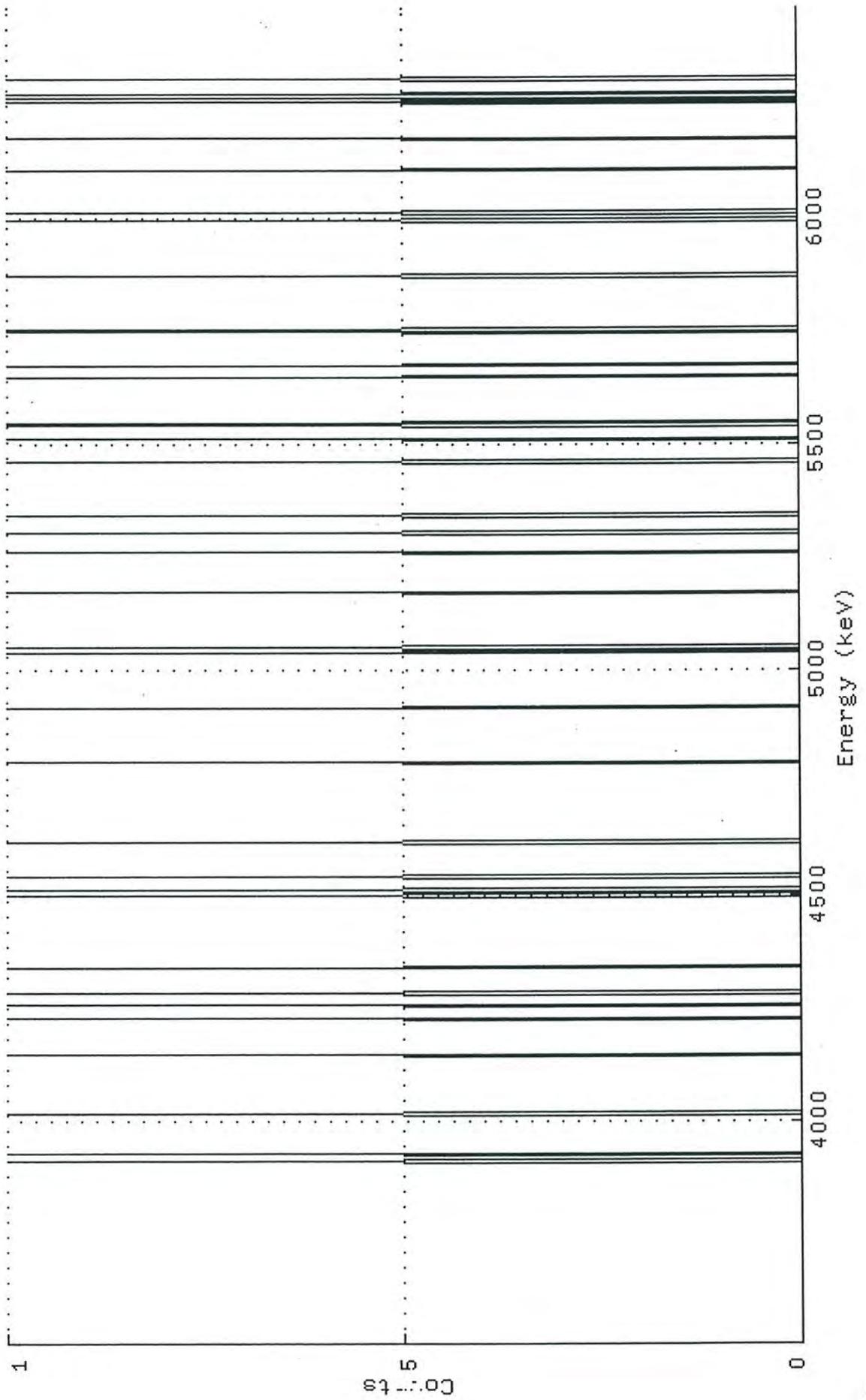
Analyst jat

Date 11/27/06

Reviewer Alan Jorgensen

Date 11/28/06

Spectrum : DKA100:[ALPHA.ALUSR.ARCHIVE.S]S_0611072A-RA\$13_RA.CNF;1
Title : 016
Sample Title: B-1
Start Time: 27-NOV-2006 14:56 Sample Time: 10-NOV-2006 00:00 Energy Offset: 3.49360E+03
Real Time : 0 02:50:04.00 Sample ID : 13 Energy Slope : 3.06108E+00
Live Time : 0 02:50:04.00 Sample Type: RA Energy Quad : -1.57719E-04



Channel Contents for ND_AMS_ARCHIVE_S:S_0611072A-RA\$13_RA

Channel

1:	10204	10204	0	0	0	0	0	0	0	0	0	0	0	0
15:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127:	0	0	0	0	0	0	0	0	0	0	1	0	0	0
141:	0	1	0	0	0	0	0	0	0	0	0	0	0	0
155:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169:	0	0	0	1	0	0	0	0	0	0	0	0	0	0
183:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211:	0	0	0	0	1	0	0	0	0	0	0	0	0	0
225:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239:	0	0	0	1	0	0	0	0	0	0	0	0	0	1
253:	0	0	0	0	0	0	0	0	1	0	0	0	0	0
267:	0	0	0	0	0	0	0	0	0	0	0	0	0	1
281:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
295:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
309:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
323:	0	0	0	0	0	0	0	0	0	0	0	1	0	0
337:	0	1	0	0	0	0	0	0	0	0	0	1	0	0
351:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
365:	0	0	0	0	0	0	0	0	0	1	0	0	0	0
379:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
393:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
407:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
421:	0	0	0	0	0	0	0	0	0	0	0	0	0	1
435:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
449:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
463:	0	0	0	0	0	0	0	0	0	0	0	0	0	1
477:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
491:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
505:	0	0	0	0	0	0	0	0	0	0	0	0	0	1
519:	0	0	0	1	0	0	0	0	0	0	0	0	0	0
533:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
547:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
561:	0	0	0	1	0	0	0	0	0	0	0	0	0	0
575:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
589:	0	0	0	0	0	0	1	0	0	0	0	0	0	0
603:	0	0	0	0	0	0	0	1	0	0	0	0	0	0
617:	0	0	0	0	0	0	1	1	0	0	0	0	0	0
631:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
645:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
659:	0	0	0	0	0	0	1	0	0	0	0	0	0	0
673:	0	0	0	0	0	0	0	0	0	1	0	0	0	0
687:	0	0	0	0	0	0	1	0	1	0	0	0	0	0
701:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
715:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
729:	0	0	1	0	0	0	0	0	0	0	0	1	0	0
743:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
757:	0	0	0	0	0	0	0	0	0	1	0	1	0	0
771:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
785:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
799:	0	0	0	0	0	0	0	0	0	0	0	1	0	0
813:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
827:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
841:	0	0	0	0	0	0	0	0	0	0	0	0	0	1
855:	0	0	0	0	0	1	0	0	0	0	0	0	0	0
869:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
883:	0	0	0	0	0	0	0	0	0	0	0	1	0	0
897:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
911:	0	0	0	0	0	0	0	0	1	0	0	0	0	0
925:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
939:	0	0	0	0	0	0	0	0	0	1	0	0	0	0
953:	0	0	1	0	0	0	0	0	0	0	0	0	1	0
967:	1	0	0	0	0	0	0	0	0	0	0	0	0	0
981:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
995:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1009:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1023:	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Eberline Services
Oak Ridge Laboratory

Gross Sample Counts Within Peak Regions Generated: 27-NOV-2006 19:22:03.38

Detector ID: 16	Acquisition Start: 27-NOV-2006 14:56:34.01
Live Time: 0 02:50:04.00	Real Time: 0 02:50:04.00
Batch Id: 0611072A-RA	Sample Id: 13
Sample Type: RA	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4591.65	5	0309.17	365.60	292	158	4.90E-04	44.7		
2	0	5274.43	9	0505.08	600.33	512	178	8.82E-04	33.3		
3	0	5813.02	7	0397.94	789.86	709	164	6.86E-04	37.8		

Background Counts Within Peak Regions Generated: 27-NOV-2006 19:22:17.16

Live Time: 0 16:40:07.00	Acquisition Start: 22-NOV-2006 15:34:48.01
	Real Time: 0 16:40:07.00

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4605.67	9	0 3.05	370.50	292	158	1.50E-04	33.3		
2	0	5274.79	4	0342.07	600.50	512	178	6.67E-05	50.0		
3	0	5815.63	22	0371.05	790.50	709	164	3.67E-04	21.3		

Net Sample Counts Within Peak Regions Generated: 27-NOV-2006 19:22:17.44

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4591.65*	10	0309.17	365.60	292	158	1.01E-03	51.6		
2	0	5274.43*	21	0505.08	600.33	512	178	2.02E-03	34.5		
3	0	5813.02*	13	0397.94	789.86	709	164	1.26E-03	49.2		

Flag: "*" = Peak area was modified by background subtraction

```

Configuration      : MCA0:[AMSCOUNT]00005B1A$1
Analyses by       : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
Sample title      : B-1
Sample date       : 10-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 14:56:34
Sample ID         : 13                               Sample quantity  : 0.10000 liter
Sample type       : RA                               Sample geometry   :
Detector name     : 016                             Detector geometry:
Elapsed live time: 0 02:50:04.00                   Elapsed real time: 0 02:50:04.00   0.0%
Energy tolerance  : 100.00 keV                     Half life ratio  : 8.00
Errors propagated: Yes                             Systematic Error : 3.00 %
Efficiency type   : Average value                   Efficiencies at  : Peak Energy
Abundance limit  : 75.00
    
```

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/liter
0	4591.65*	10309.17	365.60	292	158103.2				RA-226	1.34
0	5274.43*	21505.08	600.33	512	178 68.9				RN-222	2.69
0	5813.02*	13397.94	789.86	709	164 98.4				PO-218	1.67

Ra 224

VAX/VMS Peak Search Report Generated 27-NOV-2006 07:11:36.84

ML

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107201_GE1_BAFIL_104946.CN
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : SPIKE
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 07:06:23
 Sample ID : 0611072-01 Sample Quantity : 1.00000E+00 filter
 Sample type : FILTER Sample Geometry : 0
 Detector name : GE1 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.07 0.0%
 Start channel : 25 End channel : 4096
 Sensitivity : 3.00000 Gaussian : 10.00000
 Critical level : No

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	2	62.02	99	27	2.27	62.32	58	16	3.29E-01	13.6	1.44E+00
2	2	66.39	53	29	2.28	66.68	58	16	1.77E-01	25.3	
3	2	70.57	21	31	2.29	70.86	58	16	6.92E-02	54.7	
4	0	81.43	314	54	1.94	81.73	77	11	1.05E+00	7.3	
5	0	112.81	120	45	2.08	113.12	108	11	4.01E-01	14.0	
6	0	144.62	12	34	1.15	144.93	141	8	3.84E-02	94.3	
7	0	161.97	15	32	2.92	162.29	157	10	4.94E-02	78.3	
8	0	190.84	15	14	1.38	191.17	189	6	5.03E-02	48.6	
9	0	208.13	20	47	6.04	208.47	202	17	6.56E-02	82.9	
10	0	278.49	11	17	1.71	278.85	274	9	3.69E-02	74.8	
11	0	303.85	78	15	2.11	304.22	298	12	2.61E-01	15.0	
12	3	333.94	33	7	2.33	334.31	331	11	1.12E-01	22.4	1.06E+00
13	3	338.66	13	11	2.73	339.04	331	11	4.17E-02	45.4	
14	0	356.37	225	9	1.84	356.75	351	9	7.50E-01	7.1	
15	0	365.62	14	0	2.98	366.00	362	8	4.67E-02	26.7	
16	6	386.34	114	3	3.97	386.73	380	15	3.81E-01	11.7	5.48E+00
17	6	391.57	21	0	2.20	391.95	380	15	7.08E-02	23.8	
18	5	414.08	14	7	2.74	414.48	411	12	4.56E-02	40.2	2.24E+00
19	5	418.34	10	12	3.65	418.73	411	12	3.46E-02	72.3	
20	0	429.50	8	3	1.22	429.90	426	7	2.67E-02	51.7	
21	10	434.25	7	0	2.25	434.65	433	9	2.36E-02	34.6	6.23E+00
22	10	437.67	21	0	2.29	438.07	433	9	6.86E-02	28.3	
23	0	511.63	11	2	3.22	512.05	507	8	3.60E-02	38.1	

Sample ID : 0611072-01

Acquisition date : 27-NOV-2006 07:06:23

Total number of lines in spectrum 23
 Number of unidentified lines 19
 Number of lines tentatively identified by NID 4 17.39%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
BA-133	10.50Y	1.00	4.361E+02	4.361E+02	0.975E+02	22.36	
Total Activity :			4.361E+02	4.361E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
TH-234	4.47E+09Y	1.00	3.995E+02	3.995E+02	1.104E+02	27.63	
Total Activity :			3.995E+02	3.995E+02			

Grand Total Activity : 8.356E+02 8.356E+02

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	4.361E+02	4.361E+02	22.36	OK
	302.84	17.80	4.915E+00	8.064E+02	8.065E+02	41.89	OK
	356.01	60.00	6.963E+00	4.852E+02	4.852E+02	20.75	OK

Final Mean for 3 Valid Peaks = 4.361E+02 +/- 9.751E+01 (22.36%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	3.995E+02	3.995E+02	27.63	OK

Final Mean for 1 Valid Peaks = 3.995E+02 +/- 1.104E+02 (27.63%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	4.361E+02	9.751E+01	4.173E+01	6.851E+00	10.450
TH-234	3.995E+02	1.104E+02	1.157E+02	3.707E+00	3.454

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	-1.434E+01		3.039E+01	4.530E+01	1.414E+01	-0.317
CD-109	-2.525E+02		3.037E+02	4.290E+02	5.549E+01	-0.589
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	-4.758E+01		8.623E+01	1.290E+02	1.570E+01	-0.369
AM-241	1.290E+01		7.508E+00	1.415E+01	3.319E-01	0.912

Rev

VAX/VMS Peak Search Report Generated 27-NOV-2006 07:20:58.55 M 11-22-a

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107202_GE1_BAFIL_104947.CN
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : BLANK
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 07:15:38
 Sample ID : 0611072-02 Sample Quantity : 1.00000E+00 filter
 Sample type : FILTER Sample Geometry : 0
 Detector name : GE1 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.07 0.0%
 Start channel : 25 End channel : 4096
 Sensitivity : 3.00000 Gaussian : 10.00000
 Critical level : No

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	62.06	72	88	1.87	62.36	58	8	2.40E-01	25.4	
2	0	81.31	292	47	1.91	81.62	79	8	9.72E-01	7.1	
3	0	112.56	78	64	1.83	112.87	108	11	2.59E-01	22.9	
4	0	161.10	17	19	1.87	161.43	157	7	5.64E-02	49.3	
5	0	226.11	9	16	2.65	226.46	222	7	3.03E-02	79.8	
6	0	276.68	37	7	2.20	277.03	272	10	1.22E-01	21.7	
7	0	303.72	78	28	2.07	304.08	299	11	2.61E-01	17.2	
8	2	334.17	32	4	2.66	334.54	330	13	1.08E-01	22.7	1.51E+00
9	2	338.09	10	6	2.66	338.46	330	13	3.32E-02	73.7	
10	0	356.49	201	14	1.96	356.87	351	11	6.71E-01	7.9	
11	10	384.78	49	12	3.35	385.17	380	16	1.64E-01	24.7	5.07E+00
12	10	387.54	57	5	1.78	387.93	380	16	1.90E-01	17.5	
13	10	391.73	16	4	2.87	392.12	380	16	5.47E-02	38.7	
14	0	419.08	7	15	3.03	419.48	412	10	2.33E-02	110.2	
15	0	437.77	43	5	1.94	438.17	434	7	1.42E-01	17.8	
16	0	469.10	6	1	1.06	469.51	467	5	1.98E-02	49.4	

Total number of lines in spectrum 16
 Number of unidentified lines 12
 Number of lines tentatively identified by NID 4 25.00%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
BA-133	10.50Y	1.00	4.055E+02	4.056E+02	0.893E+02	22.01	
Total Activity :			4.055E+02	4.056E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
TH-234	4.47E+09Y	1.00	2.911E+02	2.911E+02	1.489E+02	51.16	
Total Activity :			2.911E+02	2.911E+02			

Grand Total Activity : 6.967E+02 6.967E+02

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	4.055E+02	4.056E+02	22.01	OK
	302.84	17.80	4.915E+00	8.049E+02	8.050E+02	45.21	OK
	356.01	60.00	6.963E+00	4.343E+02	4.343E+02	21.89	OK

Final Mean for 3 Valid Peaks = 4.056E+02 +/- 8.927E+01 (22.01%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	2.911E+02	2.911E+02	51.16	OK

Final Mean for 1 Valid Peaks = 2.911E+02 +/- 1.489E+02 (51.16%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	4.056E+02	8.927E+01	3.928E+01	6.448E+00	10.325
TH-234	2.911E+02	1.489E+02	1.896E+02	6.075E+00	1.536

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	-2.738E+00		2.421E+01	3.977E+01	1.242E+01	-0.069
CD-109	-6.081E+01		3.465E+02	5.477E+02	7.086E+01	-0.111
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	1.410E+01		9.248E+01	1.532E+02	1.865E+01	0.092
AM-241	1.829E+01		8.214E+00	1.576E+01	3.697E-01	1.160

Ran

VAX/VMS Peak Search Report Generated 27-NOV-2006 07:29:43.57

M 11-27-06

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107203_GE1_BAFIL_104948.CN
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : WW-2
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 07:24:21
 Sample ID : 0611072-03 Sample Quantity : 1.00000E+00 filter
 Sample type : FILTER Sample Geometry : 0
 Detector name : GE1 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.06 0.0%
 Start channel : 25 End channel : 4096
 Sensitivity : 3.00000 Gaussian : 10.00000
 Critical level : No

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	3	62.07	90	36	2.50	62.36	56	15	2.99E-01	17.1	1.77E+00
2	3	66.12	54	33	2.51	66.42	56	15	1.80E-01	25.6	
3	0	81.42	314	25	1.96	81.72	78	9	1.05E+00	6.4	
4	0	112.40	58	59	2.03	112.71	107	9	1.92E-01	27.4	
5	0	161.22	13	12	2.19	161.54	159	6	4.33E-02	50.4	
6	3	222.98	14	8	2.43	223.32	221	24	4.72E-02	37.6	1.35E+00
7	3	226.96	10	12	2.80	227.30	221	24	3.24E-02	81.6	
8	0	278.64	14	20	2.58	279.00	272	10	4.74E-02	64.5	
9	3	303.44	63	9	2.24	303.81	300	11	2.10E-01	15.4	1.67E+00
10	3	307.60	15	6	2.51	307.97	300	11	4.96E-02	42.6	
11	0	334.52	28	9	1.76	334.90	331	9	9.18E-02	27.5	
12	0	356.28	210	3	1.95	356.66	351	10	7.01E-01	7.0	
13	0	365.17	16	5	2.77	365.55	362	9	5.17E-02	35.4	
14	8	384.51	49	6	3.09	384.90	381	16	1.62E-01	18.7	2.51E+00
15	8	387.55	63	2	1.74	387.94	381	16	2.11E-01	16.3	
16	8	391.48	26	1	2.66	391.87	381	16	8.64E-02	36.4	
17	0	417.28	34	12	1.99	417.67	412	12	1.13E-01	26.7	
18	0	437.25	48	2	2.15	437.65	433	9	1.59E-01	15.5	
19	0	468.09	11	4	1.26	468.50	463	8	3.67E-02	43.6	
20	0	511.58	15	0	1.35	512.00	507	10	5.00E-02	25.8	

Summary of Nuclide Activity
Sample ID : 0611072-03

Page : 2
Acquisition date : 27-NOV-2006 07:24:21

Total number of lines in spectrum 20
Number of unidentified lines 16
Number of lines tentatively identified by NID 4 20.00%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
BA-133	10.50Y	1.00	4.363E+02	4.363E+02	0.923E+02	21.17	
Total Activity :			4.363E+02	4.363E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
TH-234	4.47E+09Y	1.00	3.630E+02	3.630E+02	1.256E+02	34.59	
Total Activity :			3.630E+02	3.630E+02			

Grand Total Activity : 7.993E+02 7.993E+02

Flags: "K" = Keyline not found
"E" = Manually edited

"M" = Manually accepted
"A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	4.363E+02	4.363E+02	21.17	OK
	302.84	17.80	4.915E+00	6.497E+02	6.497E+02	42.46	OK
	356.01	60.00	6.963E+00	4.532E+02	4.533E+02	20.69	OK

Final Mean for 3 Valid Peaks = 4.363E+02 +/- 9.235E+01 (21.17%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	3.630E+02	3.630E+02	34.59	OK

Final Mean for 1 Valid Peaks = 3.630E+02 +/- 1.256E+02 (34.59%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	4.363E+02	9.235E+01	4.173E+01	6.851E+00	10.454
TH-234	3.630E+02	1.256E+02	1.248E+02	3.999E+00	2.909

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	-1.727E+01		2.812E+01	4.655E+01	1.453E+01	-0.371
CD-109	5.242E+01		2.522E+02	4.352E+02	5.629E+01	0.120
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	4.221E+01		7.151E+01	1.299E+02	1.582E+01	0.325
AM-241	1.981E+01		7.313E+00	1.540E+01	3.613E-01	1.286

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107204_GE1_BAFIL_104949.CN
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : B-7
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 07:29:56
 Sample ID : 0611072-04 Sample Quantity : 1.00000E+00 filter
 Sample type : FILTER Sample Geometry : 0
 Detector name : GE1 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.05 0.0%
 Start channel : 25 End channel : 4096
 Sensitivity : 3.00000 Gaussian : 10.00000
 Critical level : No

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	2	62.04	80	28	2.27	62.34	58	29	2.67E-01	15.8	1.37E+00
2	2	66.10	31	28	2.28	66.40	58	29	1.05E-01	37.0	
3	2	81.38	249	20	1.79	81.68	58	29	8.31E-01	6.8	
4	0	112.98	97	35	2.26	113.29	107	13	3.23E-01	16.2	
5	0	276.58	24	4	1.58	276.94	273	7	7.83E-02	24.5	
6	0	303.42	48	14	2.00	303.79	300	7	1.61E-01	19.2	
7	2	334.18	23	10	2.23	334.56	331	12	7.63E-02	30.0	1.49E+00
8	2	339.09	10	6	2.66	339.46	331	12	3.30E-02	70.0	
9	0	356.59	165	18	1.77	356.97	352	9	5.49E-01	9.1	
10	3	384.35	46	7	2.98	384.74	378	17	1.54E-01	22.1	2.01E+00
11	3	387.59	53	3	2.12	387.98	378	17	1.78E-01	18.2	
12	3	391.30	22	1	2.33	391.69	378	17	7.34E-02	38.8	
13	0	416.85	32	0	4.02	417.25	412	13	1.07E-01	17.7	
14	0	437.23	35	2	1.52	437.63	434	7	1.18E-01	17.9	
15	0	468.68	12	4	1.68	469.09	465	7	3.83E-02	40.0	

Total number of lines in spectrum 15
 Number of unidentified lines 11
 Number of lines tentatively identified by NID 4 26.67%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
BA-133	10.50Y	1.00	3.466E+02	3.466E+02	0.753E+02	21.73	
Total Activity :			3.466E+02	3.466E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
TH-234	4.47E+09Y	1.00	3.236E+02	3.236E+02	1.033E+02	31.92	
Total Activity :			3.236E+02	3.236E+02			

Grand Total Activity : 6.702E+02 6.702E+02

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	3.466E+02	3.466E+02	21.73	OK
	302.84	17.80	4.915E+00	4.980E+02	4.980E+02	48.32	OK
	356.01	60.00	6.963E+00	3.549E+02	3.549E+02	23.66	OK

Final Mean for 3 Valid Peaks = 3.466E+02 +/- 7.533E+01 (21.73%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	3.236E+02	3.236E+02	31.92	OK

Final Mean for 1 Valid Peaks = 3.236E+02 +/- 1.033E+02 (31.92%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	3.466E+02	7.533E+01	3.665E+01	6.015E+00	9.459
TH-234	3.236E+02	1.033E+02	1.057E+02	3.386E+00	3.062

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	4.504E+00		2.532E+01	4.372E+01	1.365E+01	0.103
CD-109	-3.376E+02		3.089E+02	4.113E+02	5.321E+01	-0.821
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	1.355E+00		7.652E+01	1.268E+02	1.544E+01	0.011
AM-241	1.298E+01		7.059E+00	1.359E+01	3.189E-01	0.955

Ra 224

M 11-27-06

VAX/VMS Peak Search Report Generated 27-NOV-2006 07:41:40.64

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107205_GE1_BAFIL_104950.CN
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : B-5
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 07:36:24
 Sample ID : 0611072-05 Sample Quantity : 1.00000E+00 filter
 Sample type : FILTER Sample Geometry : 0
 Detector name : GE1 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.06 0.0%
 Start channel : 25 End channel : 4096
 Sensitivity : 3.00000 Gaussian : 10.00000
 Critical level : No

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	3	62.21	77	38	2.24	62.50	57	16	2.57E-01	17.5	7.60E-01
2	3	66.31	33	28	2.11	66.61	57	16	1.09E-01	36.8	
3	0	81.34	284	52	2.10	81.64	76	12	9.45E-01	7.9	
4	0	112.52	83	51	1.94	112.83	107	12	2.77E-01	20.4	
5	2	186.10	27	11	2.49	186.43	182	13	9.04E-02	25.6	1.10E+00
6	2	190.10	18	11	2.49	190.43	182	13	6.07E-02	43.0	
7	0	209.71	16	7	2.59	210.04	207	6	5.20E-02	37.5	
8	0	252.71	9	8	1.34	253.06	249	8	2.92E-02	65.5	
9	1	264.69	12	11	2.35	265.04	258	22	4.12E-02	51.3	9.90E-01
10	1	276.80	26	4	2.36	277.15	258	22	8.53E-02	21.7	
11	2	302.85	42	12	2.63	303.21	297	17	1.39E-01	22.8	1.01E+00
12	2	308.18	15	18	2.63	308.54	297	17	5.01E-02	54.1	
13	0	334.17	35	14	1.94	334.54	329	11	1.17E-01	26.5	
14	0	356.29	168	6	1.85	356.67	351	11	5.61E-01	8.2	
15	0	376.72	10	0	3.06	377.10	374	7	3.33E-02	31.6	
16	4	384.23	46	2	1.51	384.62	383	13	1.54E-01	14.7	2.96E+00
17	4	387.40	70	5	1.96	387.79	383	13	2.33E-01	14.4	
18	4	391.85	23	8	2.57	392.24	383	13	7.82E-02	39.3	
19	0	416.83	18	10	5.55	417.22	411	10	6.00E-02	40.4	
20	0	437.68	37	0	1.90	438.08	434	8	1.23E-01	16.4	

Summary of Nuclide Activity
 Sample ID : 0611072-05

Page : 2
 Acquisition date : 27-NOV-2006 07:36:24

Total number of lines in spectrum 20
 Number of unidentified lines 16
 Number of lines tentatively identified by NID 4 20.00%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
BA-133	10.50Y	1.00	3.945E+02	3.945E+02	0.911E+02	23.09	
Total Activity :			3.945E+02	3.945E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
TH-234	4.47E+09Y	1.00	3.116E+02	3.116E+02	1.100E+02	35.31	
Total Activity :			3.116E+02	3.116E+02			

Grand Total Activity : 7.061E+02 7.061E+02

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	3.945E+02	3.945E+02	23.09	OK
	302.84	17.80	4.915E+00	4.283E+02	4.284E+02	54.18	OK
	356.01	60.00	6.963E+00	3.632E+02	3.632E+02	22.28	OK

Final Mean for 3 Valid Peaks = 3.945E+02 +/- 9.109E+01 (23.09%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	3.116E+02	3.116E+02	35.31	OK

Final Mean for 1 Valid Peaks = 3.116E+02 +/- 1.100E+02 (35.31%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	3.945E+02	9.109E+01	3.276E+01	5.378E+00	12.042
TH-234	3.116E+02	1.100E+02	1.203E+02	3.856E+00	2.589

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	-1.763E+01		2.661E+01	3.745E+01	1.169E+01	-0.471
CD-109	-1.665E+02		2.708E+02	3.995E+02	5.167E+01	-0.417
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	1.863E+01		7.255E+01	1.255E+02	1.528E+01	0.148
AM-241	1.492E+01		6.697E+00	1.399E+01	3.282E-01	1.067

R 224

ME 11-27-01

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107206_GE1_BAFIL_104951.CN
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : B-15
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 07:42:42
 Sample ID : 0611072-06 Sample Quantity : 1.00000E+00 filter
 Sample type : FILTER Sample Geometry : 0
 Detector name : GE1 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.07 0.0%
 Start channel : 25 End channel : 4096
 Sensitivity : 3.00000 Gaussian : 10.00000
 Critical level : No

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	61.64	67	57	2.00	61.94	59	7	2.24E-01	22.1	
2	0	81.29	281	71	1.84	81.59	76	12	9.37E-01	8.4	
3	5	111.89	77	33	3.16	112.20	107	16	2.56E-01	17.8	1.26E+00
4	5	116.01	24	29	2.88	116.32	107	16	8.06E-02	56.4	
5	0	225.92	25	16	7.73	226.26	221	13	8.44E-02	38.2	
6	0	249.24	8	7	1.76	249.59	248	4	2.78E-02	55.0	
7	0	254.10	15	7	1.39	254.45	252	6	4.97E-02	40.0	
8	4	276.82	34	5	2.23	277.18	273	19	1.12E-01	20.2	1.59E+00
9	4	281.68	13	3	3.15	282.04	273	19	4.24E-02	58.4	
10	2	303.22	49	4	2.01	303.58	300	16	1.65E-01	16.4	2.88E+00
11	2	307.18	22	2	2.63	307.54	300	16	7.41E-02	36.0	
12	2	311.09	9	1	2.64	311.46	300	16	2.93E-02	63.3	
13	0	334.37	22	24	1.31	334.74	332	7	7.28E-02	42.4	
14	0	356.48	227	6	2.15	356.86	353	10	7.58E-01	7.0	
15	0	366.39	5	7	1.62	366.77	363	6	1.72E-02	88.7	
16	4	383.61	31	6	2.24	384.00	381	15	1.04E-01	31.2	1.12E+01
17	4	386.95	93	3	2.28	387.34	381	15	3.09E-01	12.5	
18	4	391.67	21	1	2.45	392.06	381	15	7.02E-02	40.6	
19	0	437.47	46	4	1.85	437.87	434	8	1.53E-01	16.6	
20	2	468.11	19	0	2.79	468.52	465	12	6.36E-02	21.6	8.18E-01
21	2	471.40	7	0	2.79	471.81	465	12	2.34E-02	66.9	

Total number of lines in spectrum 21
 Number of unidentified lines 16
 Number of lines tentatively identified by NID 5 23.81%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
BA-133	10.50Y	1.00	3.912E+02	3.912E+02	0.932E+02	23.84	
Total Activity :			3.912E+02	3.912E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
PA-231	3.28E+04Y	1.00	3.941E+03	3.941E+03	1.685E+03	42.76	
TH-234	4.47E+09Y	1.00	2.720E+02	2.720E+02	1.213E+02	44.58	
Total Activity :			4.213E+03	4.213E+03			

Grand Total Activity : 4.604E+03 4.604E+03

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	3.912E+02	3.912E+02	23.84	OK
	302.84	17.80	4.915E+00	5.087E+02	5.087E+02	43.92	OK
	356.01	60.00	6.963E+00	4.902E+02	4.902E+02	20.60	OK

Final Mean for 3 Valid Peaks = 3.912E+02 +/- 9.325E+01 (23.84%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
PA-231	9.28	42.00*	1.000E+02	-----	Line Out Of Range	----	Absent
	10.11	20.20	1.000E+02	-----	Line Out Of Range	----	Absent
	283.67	1.60	4.408E+00	1.624E+03	1.624E+03	120.98	OK
	302.67	2.30	4.910E+00	3.941E+03	3.941E+03	42.76	OK

Final Mean for 2 Valid Peaks = 3.941E+03 +/- 1.685E+03 (42.76%)

TH-234	63.29	3.80*	5.865E+01	2.720E+02	2.720E+02	44.58	OK
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Final Mean for 1 Valid Peaks = 2.720E+02 +/- 1.213E+02 (44.58%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	3.912E+02	9.325E+01	4.379E+01	7.188E+00	8.934
PA-231	3.941E+03	1.685E+03	5.798E-01	1.089E-02	6797.546
TH-234	2.720E+02	1.213E+02	1.766E+02	5.657E+00	1.541

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	2.940E-01		2.466E+01	4.148E+01	1.295E+01	0.007
CD-109	-1.038E+02		3.596E+02	5.585E+02	7.225E+01	-0.186
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	-9.973E+00		9.658E+01	1.542E+02	1.877E+01	-0.065
AM-241	1.048E+01		7.386E+00	1.363E+01	3.199E-01	0.769

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mu 11-27-06

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107207_GE1_BAFIL_104953.CN
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : B-3
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 07:50:58
 Sample ID : 0611072-07 Sample Quantity : 1.00000E+00 filter
 Sample type : FILTER Sample Geometry : 0
 Detector name : GE1 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.06 0.0%
 Start channel : 25 End channel : 4096
 Sensitivity : 3.00000 Gaussian : 10.00000
 Critical level : No

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	63.17	148	73	2.65	63.47	57	14	4.93E-01	14.8	
2	9	81.36	278	19	1.85	81.66	75	15	9.26E-01	6.5	1.96E+00
3	9	86.11	20	15	3.10	86.41	75	15	6.64E-02	50.6	
4	4	112.13	77	23	2.11	112.44	106	14	2.57E-01	14.8	1.18E+00
5	4	116.53	21	16	2.13	116.84	106	14	6.99E-02	40.5	
6	0	249.54	11	6	4.56	249.89	246	8	3.59E-02	50.0	
7	0	257.90	13	6	1.68	258.25	254	8	4.39E-02	42.3	
8	5	273.12	9	4	3.46	273.47	271	13	2.86E-02	40.4	2.78E+00
9	5	277.35	18	9	2.86	277.71	271	13	5.88E-02	42.1	
10	2	303.22	52	11	2.01	303.58	299	17	1.74E-01	16.5	1.36E+00
11	2	307.97	17	13	2.63	308.33	299	17	5.57E-02	56.1	
12	0	335.32	37	13	1.89	335.69	331	11	1.22E-01	25.5	
13	0	356.38	218	9	2.07	356.75	351	12	7.27E-01	7.3	
14	0	377.01	12	4	2.58	377.39	374	7	3.83E-02	40.0	
15	2	384.08	74	3	2.71	384.47	381	14	2.46E-01	11.6	7.28E+00
16	2	387.61	93	6	2.24	388.00	381	14	3.10E-01	12.4	
17	0	416.85	32	3	4.48	417.24	410	12	1.05E-01	21.0	
18	0	437.34	36	3	1.77	437.74	433	8	1.19E-01	19.2	
19	0	468.38	10	2	3.35	468.79	465	8	3.29E-02	40.5	

Total number of lines in spectrum 19
 Number of unidentified lines 14
 Number of lines tentatively identified by NID 5 26.32%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean		Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
CD-109	464.00D	1.00	3.354E+02	3.355E+02	3.427E+02	102.15	
BA-133	10.50Y	1.00	3.863E+02	3.863E+02	0.822E+02	21.29	
NP-237	2.14E+06Y	1.00	9.300E+01	9.300E+01	9.491E+01	102.05	
Total Activity :			8.147E+02	8.149E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean		Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
TH-234	4.47E+09Y	1.00	5.978E+02	5.978E+02	1.794E+02	30.02	
Total Activity :			5.978E+02	5.978E+02			

Grand Total Activity : 1.412E+03 1.413E+03

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
CD-109	88.03	3.72*	1.439E+01	3.354E+02	3.355E+02	102.15	OK

Final Mean for 1 Valid Peaks = 3.355E+02 +/- 3.427E+02 (102.15%)

BA-133	81.00	33.00*	1.963E+01	3.863E+02	3.863E+02	21.29	OK
	302.84	17.80	4.915E+00	5.384E+02	5.385E+02	44.14	OK
	356.01	60.00	6.963E+00	4.704E+02	4.704E+02	21.05	OK

Final Mean for 3 Valid Peaks = 3.863E+02 +/- 8.224E+01 (21.29%)

NP-237	86.50	12.60*	1.532E+01	9.300E+01	9.300E+01	102.05	OK
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Final Mean for 1 Valid Peaks = 9.300E+01 +/- 9.491E+01 (102.05%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	5.978E+02	5.978E+02	30.02	OK

Final Mean for 1 Valid Peaks = 5.978E+02 +/- 1.794E+02 (30.02%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CD-109	3.355E+02	3.427E+02	5.064E+02	6.551E+01	0.663
BA-133	3.863E+02	8.224E+01	3.900E+01	6.402E+00	9.907
TH-234	5.978E+02	1.794E+02	1.203E+02	3.856E+00	4.967
NP-237	9.300E+01	9.491E+01	1.376E+02	1.675E+01	0.676

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity K.L. (pCi/filter) Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	4.694E+00	2.727E+01	4.655E+01	1.453E+01	0.101
PA-231	0.000E+00	0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00	0.000E+00	3.752E-01	7.051E-03	0.000
AM-241	2.046E+01	7.225E+00	1.534E+01	3.600E-01	1.333

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Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107208_GE1_BAFIL_104954.CN
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : WW-1
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 07:56:37
 Sample ID : 0611072-08 Sample Quantity : 1.00000E+00 filter
 Sample type : FILTER Sample Geometry : 0
 Detector name : GE1 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.07 0.0%
 Start channel : 25 End channel : 4096
 Sensitivity : 3.00000 Gaussian : 10.00000
 Critical level : No

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	4	62.01	93	37	2.75	62.31	58	16	3.11E-01	15.6	1.96E+00
2	4	66.15	49	26	2.51	66.44	58	16	1.62E-01	28.3	
3	0	81.79	326	64	1.88	82.09	76	12	1.09E+00	7.4	
4	0	93.15	21	36	5.20	93.45	89	10	6.92E-02	57.9	
5	2	112.28	84	21	2.38	112.59	108	23	2.79E-01	14.6	1.66E+00
6	2	116.10	29	21	2.38	116.41	108	23	9.50E-02	40.7	
7	3	135.34	14	12	2.65	135.66	134	15	4.73E-02	39.8	2.97E+00
8	3	145.02	14	12	2.67	145.34	134	15	4.72E-02	61.9	
9	0	163.61	19	49	4.47	163.93	156	11	6.33E-02	76.6	
10	0	277.51	26	18	2.00	277.86	272	11	8.82E-02	38.6	
11	0	295.08	15	5	3.35	295.44	292	7	4.86E-02	37.1	
12	4	303.40	51	8	2.16	303.76	300	11	1.72E-01	17.2	3.41E+00
13	4	307.54	20	1	2.27	307.90	300	11	6.53E-02	26.9	
14	0	335.28	39	4	2.17	335.66	331	10	1.29E-01	19.3	
15	3	351.38	8	3	2.95	351.76	349	17	2.65E-02	42.0	2.45E+00
16	3	356.26	219	3	2.06	356.63	349	17	7.29E-01	6.8	
17	3	384.12	38	2	2.26	384.51	382	14	1.27E-01	17.9	3.35E+00
18	3	387.40	86	1	1.90	387.79	382	14	2.85E-01	12.5	
19	3	391.71	18	0	2.90	392.10	382	14	5.97E-02	33.1	
20	5	414.86	19	6	3.01	415.25	412	13	6.34E-02	29.8	3.50E+00
21	5	418.28	15	5	2.74	418.68	412	13	4.93E-02	45.8	
22	5	421.92	7	3	2.40	422.32	412	13	2.27E-02	54.3	
23	0	437.71	44	2	1.70	438.11	434	8	1.47E-01	16.1	
24	0	511.72	14	0	3.65	512.14	509	7	4.67E-02	26.7	

Total number of lines in spectrum 24
 Number of unidentified lines 19
 Number of lines tentatively identified by NID 5 20.83%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
BA-133	10.50Y	1.00	4.535E+02	4.535E+02	1.021E+02	22.51	
Total Activity :			4.535E+02	4.535E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
TH-234	4.47E+09Y	1.00	3.772E+02	3.772E+02	1.196E+02	31.70	
Total Activity :			3.772E+02	3.772E+02			

Grand Total Activity : 8.307E+02 8.307E+02

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	4.535E+02	4.535E+02	22.51	OK
	302.84	17.80	4.915E+00	5.303E+02	5.303E+02	45.12	OK
	356.01	60.00	6.963E+00	4.718E+02	4.718E+02	20.39	OK

Final Mean for 3 Valid Peaks = 4.535E+02 +/- 1.021E+02 (22.51%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	3.772E+02	3.772E+02	31.70	OK

Final Mean for 1 Valid Peaks = 3.772E+02 +/- 1.196E+02 (31.70%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	4.535E+02	1.021E+02	3.842E+01	6.307E+00	11.803
TH-234	3.772E+02	1.196E+02	1.203E+02	3.856E+00	3.135

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	-2.988E+00		2.501E+01	4.548E+01	1.420E+01	-0.066
CD-109	2.984E+02		2.173E+02	4.250E+02	5.498E+01	0.702
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	1.112E+02		6.504E+01	1.307E+02	1.591E+01	0.851
AM-241	1.625E+01		7.881E+00	1.508E+01	3.538E-01	1.078

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VAX/VMS Peak Search Report Generated 27-NOV-2006 08:10:59.53 *M 11-27-06*

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Configuration      : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107209_GE1_BAFIL_104955.CN
Analyses by       : PEAK V16.9  PEAKEFF V2.2
Client ID        : WW-2
Deposition Date   :
Sample Date      : 27-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 08:05:42
Sample ID       : 0611072-09 Sample Quantity : 1.00000E+00 filter
Sample type     : FILTER Sample Geometry : 0
Detector name   : GE1 Detector Geometry: BAFIL
Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.06 0.0%
Start channel   : 25 End channel : 4096
Sensitivity     : 3.00000 Gaussian : 10.00000
Critical level  : No

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Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	2	62.01	87	40	2.27	62.30	58	18	2.90E-01	16.8	1.81E+00
2	2	65.93	39	33	2.28	66.22	58	18	1.31E-01	35.3	
3	4	81.29	299	27	1.87	81.59	77	20	9.98E-01	6.4	4.59E+00
4	4	92.43	27	36	2.83	92.73	77	20	8.86E-02	42.2	
5	2	112.28	83	18	2.38	112.59	107	21	2.77E-01	14.7	2.16E+00
6	2	116.67	24	16	2.38	116.98	107	21	7.85E-02	45.9	
7	0	256.20	6	11	2.53	256.55	253	7	1.83E-02	106.6	
8	0	276.93	32	23	2.28	277.29	270	13	1.08E-01	35.1	
9	2	303.25	63	2	2.28	303.62	300	15	2.09E-01	13.7	7.60E-01
10	2	307.66	16	6	2.63	308.02	300	15	5.38E-02	52.2	
11	3	333.90	29	5	2.93	334.27	329	17	9.50E-02	26.7	1.39E+00
12	3	338.63	11	4	2.20	339.00	329	17	3.50E-02	49.6	
13	0	356.52	206	20	1.67	356.90	352	10	6.87E-01	8.1	
14	7	386.51	126	17	4.36	386.90	380	15	4.19E-01	12.1	5.91E+00
15	7	391.78	19	4	2.06	392.17	380	15	6.30E-02	37.5	
16	7	414.82	32	0	2.87	415.22	412	10	1.06E-01	18.9	1.54E+00
17	7	418.30	9	0	3.09	418.69	412	10	3.09E-02	61.1	
18	0	437.53	41	2	1.56	437.93	434	9	1.35E-01	17.1	
19	0	472.40	9	1	1.90	472.81	471	5	3.05E-02	37.2	

Total number of lines in spectrum 19
 Number of unidentified lines 15
 Number of lines tentatively identified by NID 4 21.05%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
BA-133	10.50Y	1.00	4.165E+02	4.165E+02	0.882E+02	21.17	
Total Activity :			4.165E+02	4.165E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
TH-234	4.47E+09Y	1.00	3.513E+02	3.513E+02	1.197E+02	34.08	
Total Activity :			3.513E+02	3.513E+02			

Grand Total Activity : 7.678E+02 7.678E+02

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	4.165E+02	4.165E+02	21.17	OK
	302.84	17.80	4.915E+00	6.469E+02	6.469E+02	40.08	OK
	356.01	60.00	6.963E+00	4.447E+02	4.448E+02	22.12	OK

Final Mean for 3 Valid Peaks = 4.165E+02 +/- 8.817E+01 (21.17%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	3.513E+02	3.513E+02	34.08	OK

Final Mean for 1 Valid Peaks = 3.513E+02 +/- 1.197E+02 (34.08%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	4.165E+02	8.817E+01	4.012E+01	6.585E+00	10.383
TH-234	3.513E+02	1.197E+02	1.291E+02	4.137E+00	2.721

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity K.L. (pCi/filter) Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	-4.227E+00	2.430E+01	4.394E+01	1.372E+01	-0.096
CD-109	4.395E+01	3.018E+02	5.046E+02	6.527E+01	0.087
PA-231	0.000E+00	0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00	0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	9.866E+00	8.329E+01	1.388E+02	1.690E+01	0.071
AM-241	1.589E+01	8.018E+00	1.520E+01	3.567E-01	1.045

M 11-27-06

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107210_GE1_BAFIL_104956.CN
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : B-6
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 08:13:35
 Sample ID : 0611072-10 Sample Quantity : 1.00000E+00 filter
 Sample type : FILTER Sample Geometry : 0
 Detector name : GE1 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.06 0.0%
 Start channel : 25 End channel : 4096
 Sensitivity : 3.00000 Gaussian : 10.00000
 Critical level : No

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	1	61.66	88	28	2.03	61.95	58	18	2.93E-01	14.2	8.82E-01
2	1	65.89	36	23	2.08	66.19	58	18	1.21E-01	31.0	
3	0	81.22	285	29	1.86	81.52	77	8	9.49E-01	6.8	
4	2	89.29	13	17	2.33	89.59	87	10	4.45E-02	52.1	3.11E+00
5	2	92.68	28	22	2.34	92.98	87	10	9.30E-02	35.1	
6	2	112.28	70	29	1.97	112.59	109	12	2.34E-01	16.9	9.40E+00
7	2	116.73	26	32	2.38	117.04	109	12	8.50E-02	48.1	
8	1	160.88	17	21	2.23	161.20	155	15	5.67E-02	49.8	2.83E+00
9	1	166.47	19	21	2.24	166.80	155	15	6.40E-02	42.2	
10	0	239.89	20	10	3.21	240.24	235	10	6.82E-02	36.2	
11	0	267.68	11	5	2.93	268.03	266	5	3.66E-02	44.5	
12	0	277.39	16	8	1.86	277.75	273	8	5.33E-02	39.5	
13	4	303.35	46	5	2.55	303.71	299	18	1.54E-01	18.7	2.89E+00
14	4	307.59	14	6	2.50	307.95	299	18	4.70E-02	55.0	
15	4	312.33	11	8	3.19	312.70	299	18	3.74E-02	50.5	
16	5	333.83	29	9	2.49	334.20	329	15	9.83E-02	25.0	2.87E+00
17	5	339.21	14	6	3.55	339.59	329	15	4.73E-02	52.4	
18	0	356.40	209	9	1.94	356.78	351	12	6.97E-01	7.5	
19	1	383.61	63	11	2.24	384.00	379	20	2.09E-01	16.1	1.14E+01
20	1	387.39	71	5	2.07	387.78	379	20	2.36E-01	14.9	
21	1	391.84	30	2	2.47	392.22	379	20	1.01E-01	26.3	
22	0	437.20	43	0	2.22	437.60	433	8	1.43E-01	15.2	
23	0	469.38	9	6	0.98	469.79	464	8	2.99E-02	57.9	
24	0	511.60	10	2	1.60	512.02	508	7	3.42E-02	37.9	

Summary of Nuclide Activity
Sample ID : 0611072-10

Page : 2
Acquisition date : 27-NOV-2006 08:13:35

Total number of lines in spectrum 24
Number of unidentified lines 19
Number of lines tentatively identified by NID 5 20.83%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
CD-109	464.00D	1.00	2.244E+02	2.245E+02	2.360E+02	105.10	
BA-133	10.50Y	1.00	3.959E+02	3.959E+02	0.858E+02	21.68	
Total Activity :			6.203E+02	6.205E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
TH-234	4.47E+09Y	1.00	3.548E+02	3.548E+02	1.024E+02	28.85	
Total Activity :			3.548E+02	3.548E+02			

Grand Total Activity : 9.751E+02 9.753E+02

Flags: "K" = Keyline not found
"E" = Manually edited

"M" = Manually accepted
"A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
CD-109	88.03	3.72*	1.439E+01	2.244E+02	2.245E+02	105.10	OK

Final Mean for 1 Valid Peaks = 2.245E+02 +/- 2.360E+02 (105.10%)

BA-133	81.00	33.00*	1.963E+01	3.959E+02	3.959E+02	21.68	OK
	302.84	17.80	4.915E+00	4.763E+02	4.763E+02	47.51	OK
	356.01	60.00	6.963E+00	4.510E+02	4.510E+02	21.30	OK

Final Mean for 3 Valid Peaks = 3.959E+02 +/- 8.585E+01 (21.68%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	3.548E+02	3.548E+02	28.85	OK

Final Mean for 1 Valid Peaks = 3.548E+02 +/- 1.024E+02 (28.85%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CD-109	2.245E+02	2.360E+02	3.116E+02	4.031E+01	0.721
BA-133	3.959E+02	8.585E+01	3.344E+01	5.490E+00	11.838
TH-234	3.548E+02	1.024E+02	1.203E+02	3.856E+00	2.948

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	-9.361E+00		2.912E+01	4.505E+01	1.406E+01	-0.208
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	4.590E-01		9.378E+01	1.234E+02	1.502E+01	0.004
AM-241	1.111E+01		8.286E+00	1.491E+01	3.497E-01	0.746

Ru 24

ML 11-27-06

```

Configuration      : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107211_GE1_BAFIL_104957.CN
Analyses by       : PEAK V16.9  PEAKEFF V2.2
Client ID         : B-19
Deposition Date   :
Sample Date       : 27-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 08:19:31
Sample ID         : 0611072-11 Sample Quantity : 1.00000E+00 filter
Sample type       : FILTER Sample Geometry : 0
Detector name     : GE1 Detector Geometry: BAFIL
Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.07 0.0%
Start channel     : 25 End channel : 4096
Sensitivity       : 3.00000 Gaussian : 10.00000
Critical level    : No
    
```

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	2	61.95	103	38	2.27	62.25	58	12	3.42E-01	14.0	5.06E+00
2	2	66.31	25	41	2.28	66.60	58	12	8.45E-02	51.1	
3	0	81.42	333	75	1.84	81.72	76	12	1.11E+00	7.6	
4	2	112.29	87	23	2.07	112.60	107	15	2.88E-01	13.8	1.48E+00
5	2	116.90	26	19	2.38	117.21	107	15	8.81E-02	38.4	
6	0	251.46	16	7	2.64	251.81	247	9	5.48E-02	37.6	
7	0	276.38	35	14	2.61	276.73	270	11	1.18E-01	26.3	
8	4	303.57	64	14	2.86	303.93	299	14	2.12E-01	17.8	3.32E+00
9	4	308.01	19	14	2.90	308.37	299	14	6.34E-02	52.7	
10	5	333.99	23	14	2.03	334.36	329	14	7.56E-02	33.7	6.56E+00
11	5	339.28	9	20	3.55	339.65	329	14	3.00E-02	76.6	
12	0	356.24	217	5	1.94	356.62	351	10	7.23E-01	7.1	
13	0	377.87	8	7	1.02	378.25	373	7	2.67E-02	65.3	
14	6	386.34	115	15	3.97	386.73	381	14	3.82E-01	12.6	3.61E+00
15	6	391.65	19	3	2.34	392.04	381	14	6.24E-02	30.6	
16	0	416.76	32	17	6.03	417.16	411	11	1.05E-01	30.7	
17	0	437.39	50	2	2.13	437.79	433	9	1.66E-01	15.2	
18	0	467.41	11	0	2.77	467.82	464	7	3.67E-02	30.2	
19	0	509.58	10	0	3.00	510.00	506	8	3.33E-02	31.6	
20	0	609.05	10	0	1.45	609.50	606	7	3.33E-02	31.6	

Summary of Nuclide Activity
Sample ID : 0611072-11

Page : 2
Acquisition date : 27-NOV-2006 08:19:31

Total number of lines in spectrum 20
Number of unidentified lines 16
Number of lines tentatively identified by NID 4 20.00%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
BA-133	10.50Y	1.00	4.627E+02	4.628E+02	1.053E+02	22.75	
Total Activity :			4.627E+02	4.628E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
TH-234	4.47E+09Y	1.00	4.145E+02	4.145E+02	1.183E+02	28.55	
Total Activity :			4.145E+02	4.145E+02			

Grand Total Activity : 8.772E+02 8.773E+02

Flags: "K" = Keyline not found
"E" = Manually edited

"M" = Manually accepted
"A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	4.627E+02	4.628E+02	22.75	OK
	302.84	17.80	4.915E+00	6.543E+02	6.544E+02	46.12	OK
	356.01	60.00	6.963E+00	4.679E+02	4.680E+02	20.71	OK

Final Mean for 3 Valid Peaks = 4.628E+02 +/- 1.053E+02 (22.75%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	4.145E+02	4.145E+02	28.55	OK

Final Mean for 1 Valid Peaks = 4.145E+02 +/- 1.183E+02 (28.55%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	4.628E+02	1.053E+02	3.956E+01	6.494E+00	11.697
TH-234	4.145E+02	1.183E+02	1.141E+02	3.655E+00	3.633

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	4.777E+00		2.728E+01	4.660E+01	1.455E+01	0.103
CD-109	-1.889E+02		3.099E+02	4.581E+02	5.926E+01	-0.412
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	-4.623E+01		8.636E+01	1.295E+02	1.577E+01	-0.357
AM-241	1.817E+01		7.789E+00	1.522E+01	3.571E-01	1.194

R 204
11-27-06

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107212_GE1_BAFIL_104958.CN
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : B-2
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 08:27:48
 Sample ID : 0611072-12 Sample Quantity : 1.00000E+00 filter
 Sample type : FILTER Sample Geometry : 0
 Detector name : GE1 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.07 0.0%
 Start channel : 25 End channel : 4096
 Sensitivity : 3.00000 Gaussian : 10.00000
 Critical level : No

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	2	62.03	114	31	2.27	62.33	57	14	3.81E-01	12.8	2.57E+00
2	2	66.10	63	24	2.28	66.40	57	14	2.11E-01	22.0	
3	0	81.46	322	30	1.87	81.76	77	10	1.07E+00	6.4	
4	2	112.10	82	30	2.37	112.41	107	14	2.72E-01	15.8	2.77E+00
5	2	116.10	26	21	2.38	116.41	107	14	8.70E-02	46.8	
6	1	185.88	13	14	2.26	186.21	184	12	4.42E-02	49.6	4.27E-01
7	1	192.46	12	18	2.27	192.79	184	12	3.94E-02	65.3	
8	0	239.72	8	14	2.80	240.06	235	8	2.63E-02	89.7	
9	0	277.10	24	9	2.17	277.46	273	9	8.00E-02	30.4	
10	2	303.20	61	5	2.17	303.57	300	16	2.05E-01	14.2	1.74E+00
11	2	307.89	20	2	2.63	308.25	300	16	6.66E-02	41.9	
12	2	312.09	11	0	2.64	312.46	300	16	3.76E-02	34.9	
13	0	334.88	28	32	1.85	335.25	330	9	9.48E-02	40.2	
14	0	356.47	226	9	1.64	356.85	352	9	7.52E-01	7.1	
15	0	364.02	10	3	3.23	364.40	362	6	3.33E-02	41.8	
16	6	384.39	59	6	2.85	384.78	381	14	1.96E-01	17.6	2.43E+00
17	6	387.55	78	4	1.70	387.94	381	14	2.61E-01	14.2	
18	6	391.42	19	3	2.55	391.81	381	14	6.47E-02	32.5	
19	0	417.13	25	9	4.11	417.52	412	13	8.29E-02	32.6	
20	0	427.85	6	3	1.75	428.25	425	6	2.00E-02	61.2	
21	0	437.49	53	0	2.17	437.89	434	9	1.77E-01	13.7	
22	0	469.22	12	6	1.93	469.63	464	8	3.89E-02	46.9	

Summary of Nuclide Activity
 Sample ID : 0611072-12

Page : 2
 Acquisition date : 27-NOV-2006 08:27:48

Total number of lines in spectrum 22
 Number of unidentified lines 18
 Number of lines tentatively identified by NID 4 18.18%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
BA-133	10.50Y	1.00	4.484E+02	4.484E+02	0.951E+02	21.21	
Total Activity :			4.484E+02	4.484E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
TH-234	4.47E+09Y	1.00	4.619E+02	4.619E+02	1.209E+02	26.17	
Total Activity :			4.619E+02	4.619E+02			

Grand Total Activity : 9.103E+02 9.103E+02

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	4.484E+02	4.484E+02	21.21	OK
	302.84	17.80	4.915E+00	6.332E+02	6.333E+02	40.75	OK
	356.01	60.00	6.963E+00	4.863E+02	4.863E+02	20.75	OK

Final Mean for 3 Valid Peaks = 4.484E+02 +/- 9.511E+01 (21.21%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	4.619E+02	4.619E+02	26.17	OK

Final Mean for 1 Valid Peaks = 4.619E+02 +/- 1.209E+02 (26.17%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	4.484E+02	9.511E+01	4.012E+01	6.585E+00	11.178
TH-234	4.619E+02	1.209E+02	1.359E+02	4.356E+00	3.398

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity K.L. (pCi/filter) Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	2.045E+01	2.826E+01	5.124E+01	1.600E+01	0.399
CD-109	-3.582E+02	3.261E+02	4.365E+02	5.647E+01	-0.820
PA-231	0.000E+00	0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00	0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	-1.432E+01	8.427E+01	1.345E+02	1.637E+01	-0.106
AM-241	1.840E+01	7.569E+00	1.562E+01	3.663E-01	1.178

R 24

VAX/VMS Peak Search Report Generated 27-NOV-2006 08:41:14.61 *MR 11.27.06*

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107213_GE1_BAFIL_104960.CN
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : B-1
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 08:35:59
 Sample ID : 0611072-13 Sample Quantity : 1.00000E+00 filter
 Sample type : FILTER Sample Geometry : 0
 Detector name : GE1 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.06 0.0%
 Start channel : 25 End channel : 4096
 Sensitivity : 3.00000 Gaussian : 10.00000
 Critical level : No

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	2	62.05	115	21	2.05	62.34	58	17	3.85E-01	11.2	6.68E-01
2	2	66.41	65	25	2.28	66.70	58	17	2.18E-01	20.7	
3	2	71.10	19	25	2.29	71.40	58	17	6.24E-02	52.6	
4	4	81.33	310	22	1.91	81.63	77	13	1.03E+00	6.2	1.62E+00
5	4	85.58	18	14	2.69	85.88	77	13	5.91E-02	94.1	
6	0	95.88	49	42	7.08	96.18	90	16	1.65E-01	32.0	
7	4	108.69	12	20	1.96	109.00	106	23	3.88E-02	71.4	4.61E+00
8	4	112.49	81	18	2.16	112.80	106	23	2.68E-01	14.9	
9	4	116.77	35	25	2.89	117.09	106	23	1.18E-01	36.2	
10	0	238.33	15	13	2.31	238.68	234	9	4.89E-02	54.3	
11	0	278.21	14	20	1.61	278.57	274	10	4.67E-02	65.5	
12	0	304.64	44	23	2.34	305.00	298	9	1.46E-01	25.2	
13	0	334.55	25	11	1.62	334.92	331	7	8.17E-02	29.8	
14	0	356.46	205	6	1.85	356.84	352	11	6.82E-01	7.3	
15	5	384.07	34	15	2.97	384.46	381	11	1.13E-01	36.3	1.17E+01
16	5	387.61	91	46	2.24	388.00	381	11	3.02E-01	15.3	
17	0	392.05	18	9	1.60	392.44	391	5	5.91E-02	37.5	
18	0	415.50	28	5	2.01	415.89	411	10	9.33E-02	24.1	
19	0	437.42	45	3	2.10	437.82	432	10	1.51E-01	16.3	
20	0	511.24	9	2	2.88	511.67	508	7	3.09E-02	40.4	

Total number of lines in spectrum 20
 Number of unidentified lines 15
 Number of lines tentatively identified by NID 5 25.00%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
BA-133	10.50Y	1.00	4.312E+02	4.313E+02	0.903E+02	20.93	
NP-237	2.14E+06Y	1.00	8.269E+01	8.269E+01	15.59E+01	188.59	
Total Activity :			5.139E+02	5.140E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
TH-234	4.47E+09Y	1.00	4.666E+02	4.666E+02	1.076E+02	23.07	
Total Activity :			4.666E+02	4.666E+02			

Grand Total Activity : 9.805E+02 9.805E+02

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	4.312E+02	4.313E+02	20.93	OK
	302.84	17.80	4.915E+00	4.523E+02	4.523E+02	58.30	OK
	356.01	60.00	6.963E+00	4.410E+02	4.410E+02	21.09	OK

Final Mean for 3 Valid Peaks = 4.313E+02 +/- 9.028E+01 (20.93%)

NP-237	86.50	12.60*	1.532E+01	8.269E+01	8.269E+01	188.59	OK
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Final Mean for 1 Valid Peaks = 8.269E+01 +/- 1.559E+02 (188.59%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	4.666E+02	4.666E+02	23.07	OK

Final Mean for 1 Valid Peaks = 4.666E+02 +/- 1.076E+02 (23.07%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	4.313E+02	9.028E+01	3.956E+01	6.494E+00	10.901
TH-234	4.666E+02	1.076E+02	1.067E+02	3.420E+00	4.372
NP-237	8.269E+01	1.559E+02	7.644E+01	9.307E+00	1.082

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	1.065E+01		2.996E+01	5.175E+01	1.616E+01	0.206
CD-109	1.974E+02		2.285E+02	3.990E+02	5.162E+01	0.495
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
AM-241	1.760E+01		7.654E+00	1.498E+01	3.514E-01	1.175

Detector	Parameter	Flag	Filename
1	ALL	Passed	D_001_NONE
2	ALL	Passed	D_002_NONE
3	ALL	Passed	D_003_NONE
4	OFFLINE		
5	ALL	Passed	D_005_NONE
6	ALL	Passed	D_006_NONE
7	OFFLINE		
8	ALL	Passed	D_008_NONE
9	ALL	Passed	D_009_NONE
10	ALL	Passed	D_010_NONE
11	ALL	Passed	D_011_NONE
12	ALL	Passed	D_012_NONE
13	ALL	Passed	D_013_NONE
14	ALL	Passed	D_014_NONE
15	OFFLINE		
16	ALL	Passed	D_016_NONE
17	ALL	Passed	D_017_NONE
18	ALL	Passed	D_018_NONE
19	ALL	Passed	D_019_NONE
20	OFFLINE		
21	OFFLINE		
22	ALL	Passed	D_022_NONE
23	ALL	Passed	D_023_NONE
24	OFFLINE		
25	ALL	Passed	D_025_NONE
26	ALL	Passed	D_026_NONE
27	ALL	Passed	D_027_NONE
28	ALL	Passed	D_028_NONE
29	ALL	Passed	D_029_NONE
30	ALL	Passed	D_030_NONE
31	ALL	Passed	D_031_NONE
32	ALL	Passed	D_032_NONE
33	ALL	Passed	D_033_NONE
34	ALL	Passed	D_034_NONE
35	ALL	Passed	D_035_NONE
36	ALL	Passed	D_036_NONE
37	ALL	Passed	D_037_NONE
38	ALL	Passed	D_038_NONE
39	ALL	Passed	D_039_NONE
40	OFFLINE		
41	ALL	Passed	D_041_NONE
42	ALL	Passed	D_042_NONE
43	ALL	Passed	D_043_NONE
44	ALL	Passed	D_044_NONE
45	ALL	Passed	D_045_NONE
46	ALL	Passed	D_046_NONE
47	ALL	Passed	D_047_NONE
48	ALL	Passed	D_048_NONE

APPROVAL DATE: 11-27-06

APPROVAL TIME: _____

APPROVED BY: 

PROCEDURE # _____

SECTION IX
ANALYTICAL DATA (RADIUM-228)

Work Order	06-11072
Analysis Code	Ra228
Run	1
Date Received	11/17/2006
Lab Deadline	12/1/2006
Client	ICON Environmental Services, Inc.
Project	Environmental
Report Level	4
Activity Units	pCi
Aliquot Units	I
Matrix	WA
Method	EPA 904.0 Modified
Instrument Type	Alpha/Beta GPC
Radiometric Tracer	Ba-133
Radiometric Sol#	Ba-6a
Tracer Act (dpm/g)	1543.674
Carrier	Yttrium
Carrier Conc (mg/ml)	31.81

Internal Fraction	Sample Desc	Client ID	Login CPM	Sample Date	Sample Aliquot
01	LCS	LCS		11/17/06 00:00	1.0000E+00
02	MBL	BLANK		11/17/06 00:00	1.0000E+00
03	DUP	WW-2	30	11/14/06 11:25	1.0000E+00
04	TRG	B-7	17	11/13/06 13:30	1.0000E+00
05	TRG	B-5	34	11/13/06 12:30	1.0000E+00
06	TRG	B-15	33	11/13/06 14:45	1.0000E+00
07	TRG	B-3	25	11/10/06 11:50	1.0000E+00
08	TRG	WW-1	30	11/14/06 10:40	1.0000E+00
09	DO	WW-2	30	11/14/06 11:25	1.0000E+00
10	TRG	B-6	36	11/10/06 15:15	1.0000E+00
11	TRG	B-19	32	11/10/06 14:00	1.0000E+00
12	TRG	B-2	32	11/10/06 09:55	1.0000E+00
13	TRG	B-1	31	11/10/06 07:50	1.0000E+00

* SAF1 is used for Gross Alpha and all other radionuclides. SAF2 is used for Gross Beta only. ** Actual mass exceeded the calibration curve range. Results should be qualified as appropriate.

Preliminary Data Report & Analytical Calculations
Work Order: 06-11072-Ra228-1

	Run	1
	Analysis Code	Ra228
Eberline Services Work Order	06-11072	
Client	ICON Environmental Services, Inc.	

Lab Fraction	Nuclide	Sample Desc	Client Identification	Activity Units	Results	Error Estimate	MDA	LCS Known	LCS %R	LCS Flag	RPD Flag	MDA Flag	Blank Flag
01	RA-228	LCS	LCS	pCi/l	2.33E+01	1.07E+00	7.52E-01	1.90E+01	122.63	INV		OK	
02	RA-228	MBL	BLANK	pCi/l	1.52E-01	4.66E-01	7.97E-01					OK	OK
03	RA-228	DUP	WW-2	pCi/l	1.01E+00	5.08E-01	8.12E-01				OK	OK	
04	RA-228	TRG	B-7	pCi/l	1.15E+00	4.46E-01	6.92E-01					OK	
05	RA-228	TRG	B-5	pCi/l	2.15E+00	6.49E-01	9.80E-01					OK	
06	RA-228	TRG	B-15	pCi/l	3.77E+00	8.44E-01	1.21E+00					OK	
07	RA-228	TRG	B-3	pCi/l	1.13E+00	6.18E-01	9.93E-01					OK	
08	RA-228	TRG	WW-1	pCi/l	1.01E+00	5.28E-01	8.43E-01					OK	
09	RA-228	DO	WW-2	pCi/l	9.39E-01	5.09E-01	8.16E-01					OK	
10	RA-228	TRG	B-6	pCi/l	2.81E+00	6.29E-01	8.72E-01					OK	
11	RA-228	TRG	B-19	pCi/l	1.79E+00	7.57E-01	1.19E+00					OK	
12	RA-228	TRG	B-2	pCi/l	1.37E+00	6.31E-01	1.00E+00					OK	
13	RA-228	TRG	B-1	pCi/l	-7.26E-02	4.87E-01	8.51E-01					OK	

Aliquot Worksheet

Work Order	Run	Analysis Code	Rpt Units	Lab Deadline	Technician
06-11072	1	Ra228	liters	12/1/2006	JBARNARD

Lab Fraction	ICON Environmental Services, Inc. Client ID	Sample Type	Muffle Data		Dilution Data			Aliquot Data		MS Aliquot Data		H-3 Solids Only	
			Ratio Post/Pre	No of Dils	Dil Factor	Ratio	Aliquot	Net Equiv	Aliquot	Net Equiv	Water Added (ml)	H3 Dist Aliq	
01	LCS	LCS						1.0000E+00	1.0000E+00				
02	BLANK	MBL						1.0000E+00	1.0000E+00				
03	WW-2	DUP						1.0000E+00	1.0000E+00				
04	B-7	TRG						1.0000E+00	1.0000E+00				
05	B-5	TRG						1.0000E+00	1.0000E+00				
06	B-15	TRG						1.0000E+00	1.0000E+00				
07	B-3	TRG						1.0000E+00	1.0000E+00				
08	WW-1	TRG						1.0000E+00	1.0000E+00				
09	WW-2	DO						1.0000E+00	1.0000E+00				
10	B-6	TRG						1.0000E+00	1.0000E+00				
11	B-19	TRG						1.0000E+00	1.0000E+00				
12	B-2	TRG						1.0000E+00	1.0000E+00				
13	B-1	TRG						1.0000E+00	1.0000E+00				

Comments

Technician: *Barnard* Date: 11/20/06

ML 11-30-06



Detector ID	Sample ID	Alpha	Beta	Count	Time	Voltage	TOD
C2	0611072-05	32	432	180		1400	11/30/06 11:54
C3	0611072-06	16	486	180		1400	11/30/06 11:54
C4	0611072-07	33	346	180		1400	11/30/06 11:54
A4	0611072-01	67	2398	180		1400	11/30/06 11:54
B1	0611072-02	29	322	180		1400	11/30/06 11:54
B3	0611072-03	23	383	180		1400	11/30/06 11:54
B4	0611072-04	35	361	180		1400	11/30/06 11:54
D2	0611072-08	29	326	180		1400	11/30/06 11:54
D3	0611072-09	14	333	180		1400	11/30/06 11:54
D4	0611072-10	25	376	180		1400	11/30/06 11:54

mc 11-30-06

(A)

Detector ID	Sample ID	Alpha	Beta	Count	Time	Voltage	TOD
C1	0611072-11	15	385	180	1400	11/30/06 11:55	
C2	0611072-12	27	424	180	1400	11/30/06 11:55	
C4	0611072-13	34	284	180	1400	11/30/06 11:55	

GPC Detector Report
(All Backgrounds)

Mr 11-30-06

Detector	Alpha/Beta	Count Date	Bkg CPM	PFW	LCL	Mean	UCL
LB4110A - A1	Alpha	11/30/2006	6.67E-02	P	-5.94E-02	1.21E-01	2.96E-01
LB4110A - A2	Alpha	11/30/2006	1.17E-01	P	-6.75E-02	1.23E-01	2.87E-01
LB4110A - A3	Alpha	11/30/2006	3.00E-01	P	-3.09E-01	1.15E-01	5.30E-01
LB4110A - A4	Alpha	11/30/2006	1.67E-01	P	-2.17E-03	2.02E-01	4.10E-01
LB4110A - B1	Alpha	11/30/2006	8.33E-02	P	-4.35E-02	9.65E-02	2.31E-01
LB4110A - B2	Alpha	11/30/2006	2.33E-01	P	2.72E-02	2.93E-01	5.68E-01
LB4110A - B3	Alpha	11/30/2006	2.50E-01	(F)	-5.55E-02	8.49E-02	2.16E-01
LB4110A - B4	Alpha	11/30/2006	1.83E-01	P	-3.87E-01	1.06E-01	5.96E-01
LB4110A - C1	Alpha	11/30/2006	1.00E-01	P	-4.82E-02	7.42E-02	1.96E-01
LB4110A - C2	Alpha	11/30/2006	1.67E-01	P	-4.91E-02	8.04E-02	2.06E-01
LB4110A - C3	Alpha	11/30/2006	2.83E-01	(F)	-5.09E-02	8.44E-02	2.03E-01
LB4110A - C4	Alpha	11/30/2006	1.17E-01	P	-2.83E-02	8.58E-02	1.87E-01
LB4110A - D1	Alpha	11/30/2006	2.67E-01	P	-1.19E-02	2.04E-01	4.18E-01
LB4110A - D2	Alpha	11/30/2006	2.83E-01	P	1.06E-01	3.97E-01	6.92E-01
LB4110A - D3	Alpha	11/30/2006	2.00E-01	P	5.58E-03	2.55E-01	5.06E-01
LB4110A - D4	Alpha	11/30/2006	2.33E-01	P	1.44E-02	1.79E-01	3.38E-01
LB4110R - A1	Alpha	11/30/2006	2.50E-01	(F)	-4.52E-02	8.90E-02	2.21E-01
LB4110R - A2	Alpha	11/30/2006	4.33E-01	(F)	-5.44E-02	1.61E-01	3.26E-01
LB4110R - A3	Alpha	11/30/2006	1.67E-01	P	-2.63E-02	1.08E-01	2.36E-01
LB4110R - A4	Alpha	11/30/2006	1.50E-01	P	-2.80E-02	1.31E-01	2.84E-01
LB4110R - B1	Alpha	11/30/2006	6.67E-02	P	-2.92E-02	1.14E-01	2.60E-01
LB4110R - B2	Alpha	11/30/2006	1.00E-01	P	-3.08E-02	1.20E-01	2.57E-01
LB4110R - B3	Alpha	11/30/2006	1.50E-01	P	-1.82E-02	8.74E-02	1.87E-01
LB4110R - B4	Alpha	11/30/2006	8.33E-02	P	-4.87E-02	1.23E-01	2.93E-01
LB4110R - C1	Alpha	11/30/2006	2.50E-01	P	-3.24E-02	1.36E-01	2.98E-01
LB4110R - C2	Alpha	11/30/2006	1.17E-01	P	-2.77E-02	1.28E-01	2.63E-01
LB4110R - C3	Alpha	11/30/2006	2.00E-01	P	2.54E-02	1.87E-01	3.58E-01
LB4110R - C4	Alpha	11/30/2006	1.33E-01	P	-3.52E-02	1.21E-01	2.70E-01
LB4110R - D1	Alpha	11/30/2006	4.17E-01	(F)	-3.87E-02	1.43E-01	2.95E-01
LB4110R - D2	Alpha	11/30/2006	8.33E-02	P	-3.01E-03	1.24E-01	2.41E-01
LB4110R - D3	Alpha	11/30/2006	1.17E-01	P	-3.34E-02	1.01E-01	2.37E-01
LB4110R - D4	Alpha	11/30/2006	8.33E-02	P	-5.33E-02	1.38E-01	3.19E-01
LB5100 - 1	Alpha	11/30/2006	2.00E-02	P	-1.68E-02	1.09E-01	2.35E-01
LB4110A - A1	Beta	11/30/2006	2.92E+00	P	-2.09E+00	1.81E+00	5.72E+00
LB4110A - A2	Beta	11/30/2006	7.33E+00	P	-4.79E+00	2.22E+00	9.22E+00

GPC Detector Report
(ALL Backgrounds)

MW367

Detector	Alpha/Beta	Count Date	Bkg CPM	PFW	LCL	Mean	UCL
LB4110A - A3	Beta	11/30/2006	1.83E+00	P	-2.14E-01	1.22E+00	2.65E+00
LB4110A - A4	Beta	11/30/2006	3.42E+00	P	-1.80E+00	1.66E+00	5.12E+00
LB4110A - B1	Beta	11/30/2006	1.28E+00	P	7.12E-01	1.36E+00	2.02E+00
LB4110A - B2	Beta	11/30/2006	1.53E+00	P	4.80E-01	1.21E+00	1.93E+00
LB4110A - B3	Beta	11/30/2006	1.80E+00	P	7.48E-01	1.50E+00	2.26E+00
LB4110A - B4	Beta	11/30/2006	4.78E+00	F	-1.26E+00	1.59E+00	4.44E+00
LB4110A - C1	Beta	11/30/2006	1.48E+00	P	6.92E-01	1.33E+00	1.97E+00
LB4110A - C2	Beta	11/30/2006	1.72E+00	P	2.67E-01	2.20E+00	4.14E+00
LB4110A - C3	Beta	11/30/2006	1.67E+00	P	5.59E-01	1.42E+00	2.27E+00
LB4110A - C4	Beta	11/30/2006	1.62E+00	P	5.71E-01	1.40E+00	2.24E+00
LB4110A - D1	Beta	11/30/2006	1.93E+00	W	7.30E-01	1.41E+00	2.09E+00
LB4110A - D2	Beta	11/30/2006	1.27E+00	P	6.74E-01	1.31E+00	1.94E+00
LB4110A - D3	Beta	11/30/2006	1.28E+00	P	5.90E-01	1.28E+00	1.98E+00
LB4110A - D4	Beta	11/30/2006	1.17E+00	P	6.41E-01	1.26E+00	1.88E+00
LB4110R - A1	Beta	11/30/2006	1.58E+00	P	6.05E-01	1.28E+00	1.92E+00
LB4110R - A2	Beta	11/30/2006	2.67E+00	W	5.19E-01	1.75E+00	2.76E+00
LB4110R - A3	Beta	11/30/2006	7.53E+00	P	-9.81E+00	4.69E+00	1.94E+01
LB4110R - A4	Beta	11/30/2006	1.18E+00	P	7.38E-01	1.49E+00	2.25E+00
LB4110R - B1	Beta	11/30/2006	1.70E+00	P	1.21E+00	2.31E+00	3.50E+00
LB4110R - B2	Beta	11/30/2006	2.03E+00	P	6.84E-01	1.58E+00	2.42E+00
LB4110R - B3	Beta	11/30/2006	1.57E+00	P	5.83E-01	1.32E+00	2.05E+00
LB4110R - B4	Beta	11/30/2006	1.32E+00	P	6.32E-01	1.28E+00	1.92E+00
LB4110R - C1	Beta	11/30/2006	1.58E+00	P	4.82E-01	1.56E+00	2.61E+00
LB4110R - C2	Beta	11/30/2006	1.45E+00	P	4.20E-01	1.36E+00	2.29E+00
LB4110R - C3	Beta	11/30/2006	1.38E+00	P	-2.82E+00	1.63E+00	6.09E+00
LB4110R - C4	Beta	11/30/2006	1.43E+00	P	-1.12E+00	1.36E+00	3.88E+00
LB4110R - D1	Beta	11/30/2006	1.55E+00	P	7.61E-01	1.51E+00	2.26E+00
LB4110R - D2	Beta	11/30/2006	1.32E+00	P	6.85E-01	1.36E+00	2.06E+00
LB4110R - D3	Beta	11/30/2006	1.37E+00	P	5.70E-01	1.34E+00	2.09E+00
LB4110R - D4	Beta	11/30/2006	9.50E-01	P	5.94E-01	1.25E+00	1.89E+00
LB5100 - 1	Beta	11/30/2006	1.42E+00	P	9.94E-01	1.43E+00	1.87E+00

GPC Detector Report
(All Efficiencies)

ML
11-30-06

Detector	Alpha/Beta	Calibration Date	Count Date	Eff	PFW	LCL	Mean	UCL
LB4110A - A1	Alpha	7/10/2006	11/30/2006	0.2549	P	0.2428	0.2561	0.2693
LB4110A - A2	Alpha	7/10/2006	11/30/2006	0.2279	W	0.2256	0.2363	0.2470
LB4110A - A3	Alpha	7/10/2006	11/30/2006	0.2281	P	0.2234	0.2337	0.2439
LB4110A - A4	Alpha	7/10/2006	11/30/2006	0.2298	F	0.2312	0.2390	0.2468
LB4110A - B1	Alpha	7/10/2006	11/30/2006	0.2468	P	0.2386	0.2484	0.2582
LB4110A - B2	Alpha	7/10/2006	11/30/2006	0.2457	P	0.2381	0.2482	0.2582
LB4110A - B3	Alpha	7/10/2006	11/30/2006	0.2583	P	0.2446	0.2535	0.2623
LB4110A - B4	Alpha	7/10/2006	11/30/2006	0.2557	P	0.2486	0.2573	0.2659
LB4110A - C1	Alpha	7/10/2006	11/30/2006	0.2350	P	0.2212	0.2420	0.2627
LB4110A - C2	Alpha	7/10/2006	11/30/2006	0.2249	W	0.2242	0.2426	0.2610
LB4110A - C3	Alpha	7/10/2006	11/30/2006	0.2462	P	0.2365	0.2501	0.2636
LB4110A - C4	Alpha	7/10/2006	11/30/2006	0.2510	P	0.2417	0.2529	0.2640
LB4110A - D1	Alpha	7/10/2006	11/30/2006	0.2515	P	0.2367	0.2531	0.2695
LB4110A - D2	Alpha	7/10/2006	11/30/2006	0.2697	P	0.2522	0.2676	0.2829
LB4110A - D3	Alpha	7/10/2006	11/30/2006	0.2680	P	0.2513	0.2676	0.2839
LB4110A - D4	Alpha	7/10/2006	11/30/2006	0.2319	P	0.2143	0.2395	0.2646
LB4110R - A1	Alpha	7/10/2006	11/30/2006	0.2378	P	0.2330	0.2487	0.2645
LB4110R - A2	Alpha	7/10/2006	11/30/2006	0.2243	P	0.2194	0.2386	0.2578
LB4110R - A3	Alpha	7/10/2006	11/30/2006	0.2338	P	0.2280	0.2412	0.2544
LB4110R - A4	Alpha	7/10/2006	11/30/2006	0.2446	P	0.2364	0.2494	0.2625
LB4110R - B1	Alpha	7/10/2006	11/30/2006	0.2407	P	0.2171	0.2363	0.2555
LB4110R - B2	Alpha	7/10/2006	11/30/2006	0.2364	P	0.2129	0.2287	0.2446
LB4110R - B3	Alpha	7/10/2006	11/30/2006	0.2538	P	0.2492	0.2562	0.2632
LB4110R - B4	Alpha	7/10/2006	11/30/2006	0.2434	W	0.2416	0.2509	0.2602
LB4110R - C1	Alpha	7/10/2006	11/30/2006	0.2281	P	0.1351	0.2205	0.3059
LB4110R - C2	Alpha	7/10/2006	11/30/2006	0.2258	P	0.1415	0.2294	0.3173
LB4110R - C3	Alpha	7/10/2006	11/30/2006	0.2440	P	0.2338	0.2455	0.2572
LB4110R - C4	Alpha	7/10/2006	11/30/2006	0.2434	P	0.2066	0.2405	0.2745
LB4110R - D1	Alpha	7/10/2006	11/30/2006	0.2325	P	0.2265	0.2391	0.2517
LB4110R - D2	Alpha	7/10/2006	11/30/2006	0.2532	P	0.2499	0.2583	0.2667
LB4110R - D3	Alpha	7/10/2006	11/30/2006	0.2581	P	0.2520	0.2604	0.2688
LB4110R - D4	Alpha	7/10/2006	11/30/2006	0.2267	P	0.2181	0.2352	0.2524
LB5100 - 1	Alpha	7/10/2006	11/30/2006	0.3478	P	0.3354	0.3452	0.3550

GPC Detector Report
(All Efficiencies)

ME 11-30-06

Detector	Alpha/Beta	Calibration Date	Count Date	EFF	PMW	LCL	Mean	UCL
LB4110A - A1	Beta	7/10/2006	11/30/2006	0.5836	P	0.5533	0.5883	0.6234
LB4110A - A2	Beta	7/10/2006	11/30/2006	0.5386	P	0.5232	0.5514	0.5797
LB4110A - A3	Beta	7/10/2006	11/30/2006	0.5588	P	0.5415	0.5637	0.5860
LB4110A - A4	Beta	7/10/2006	11/30/2006	0.5463	F	0.5497	0.5622	0.5747
LB4110A - B1	Beta	7/10/2006	11/30/2006	0.5888	P	0.5719	0.5919	0.6118
LB4110A - B2	Beta	7/10/2006	11/30/2006	0.5818	P	0.5698	0.5949	0.6199
LB4110A - B3	Beta	7/10/2006	11/30/2006	0.6059	P	0.5975	0.6091	0.6207
LB4110A - B4	Beta	7/10/2006	11/30/2006	0.5886	P	0.5723	0.6134	0.6544
LB4110A - C1	Beta	7/10/2006	11/30/2006	0.5428	P	0.5138	0.5611	0.6083
LB4110A - C2	Beta	7/10/2006	11/30/2006	0.5394	W	0.5301	0.5711	0.6120
LB4110A - C3	Beta	7/10/2006	11/30/2006	0.5743	P	0.5660	0.5887	0.6114
LB4110A - C4	Beta	7/10/2006	11/30/2006	0.5835	P	0.5659	0.5893	0.6126
LB4110A - D1	Beta	7/10/2006	11/30/2006	0.5849	P	0.5536	0.5943	0.6351
LB4110A - D2	Beta	7/10/2006	11/30/2006	0.5962	P	0.5711	0.5958	0.6205
LB4110A - D3	Beta	7/10/2006	11/30/2006	0.6058	P	0.5812	0.6083	0.6353
LB4110A - D4	Beta	7/10/2006	11/30/2006	0.5378	P	0.4979	0.5592	0.6204
LB4110R - A1	Beta	7/10/2006	11/30/2006	0.5755	P	0.5669	0.5925	0.6182
LB4110R - A2	Beta	7/10/2006	11/30/2006	0.5386	P	0.4826	0.5663	0.6500
LB4110R - A3	Beta	7/10/2006	11/30/2006	0.5704	P	0.5537	0.5824	0.6111
LB4110R - A4	Beta	7/10/2006	11/30/2006	0.5933	P	0.5791	0.5970	0.6148
LB4110R - B1	Beta	7/10/2006	11/30/2006	0.5850	P	0.5507	0.5787	0.6068
LB4110R - B2	Beta	7/10/2006	11/30/2006	0.5529	P	0.5294	0.5534	0.5774
LB4110R - B3	Beta	7/10/2006	11/30/2006	0.6129	P	0.5951	0.6113	0.6274
LB4110R - B4	Beta	7/10/2006	11/30/2006	0.5864	P	0.5576	0.6001	0.6427
LB4110R - C1	Beta	7/10/2006	11/30/2006	0.5282	P	0.3608	0.5223	0.6838
LB4110R - C2	Beta	7/10/2006	11/30/2006	0.5265	P	0.3803	0.5439	0.7074
LB4110R - C3	Beta	7/10/2006	11/30/2006	0.5719	P	0.5523	0.5744	0.5965
LB4110R - C4	Beta	7/10/2006	11/30/2006	0.5710	P	0.5243	0.5654	0.6065
LB4110R - D1	Beta	7/10/2006	11/30/2006	0.5449	P	0.4889	0.5633	0.6376
LB4110R - D2	Beta	7/10/2006	11/30/2006	0.6008	P	0.5863	0.5995	0.6128
LB4110R - D3	Beta	7/10/2006	11/30/2006	0.5842	P	0.5798	0.5915	0.6033
LB4110R - D4	Beta	7/10/2006	11/30/2006	0.5384	P	0.5116	0.5565	0.6015
LB5100 - 1	Beta	7/10/2006	11/30/2006	0.4726	P	0.4585	0.4731	0.4878

BARIUM-133 ANALYTICAL TRACER DATA

SECTION X

Configuration : DKA100:[GAMMA.SCUR.ARCHIVE]SMP_061107201_GEL_BAFIL_104931.CN
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : SPIKE
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 05:40:24
 Sample ID : 0611072-01
 Sample type : FILTER
 Detector name : GEL
 Elapsed live time : 0 00:05:00.00
 Start channel : 25
 Sensitivity : 3.00000
 Critical level : No

PK It Energy Area Bkgnd FWHM Channel Left Pw Cts/Sec %Err Fit

1	2	61.86	80	36	2.27	62.16	57	14	2.66E-01	17.4	2.70E+00
2	2	65.86	38	34	1.92	66.15	57	14	1.28E-01	32.0	
3	0	81.40	287	67	1.56	81.70	77	8	9.58E-01	7.7	
4	0	92.85	23	29	2.38	93.16	90	6	7.66E-02	42.4	
5	3	112.10	89	26	1.90	112.41	109	19	2.98E-01	13.9	3.29E+00
6	3	117.01	22	27	2.62	117.33	109	19	7.30E-02	58.4	
7	0	186.92	12	16	2.27	187.25	185	5	3.84E-02	58.3	
8	0	240.83	21	26	3.87	241.17	237	10	6.99E-02	51.3	
9	0	276.93	31	7	1.28	277.29	274	7	1.03E-01	22.9	
10	0	303.45	60	19	1.88	303.81	300	7	2.01E-01	16.6	
11	0	334.23	28	8	2.02	334.61	330	8	9.33E-02	25.8	
12	0	339.16	13	6	1.20	339.54	338	6	4.33E-02	40.7	
13	5	352.47	11	3	3.57	352.84	351	9	3.73E-02	25.5	4.28E+00
14	5	356.44	235	3	1.66	356.82	351	9	7.83E-01	6.6	
15	4	384.47	41	7	2.62	384.85	382	14	1.38E-01	21.2	1.60E+00
16	4	387.57	73	4	1.71	387.95	382	14	2.44E-01	14.8	
17	4	391.46	25	1	2.10	391.85	382	14	8.17E-02	26.7	
18	0	407.53	12	3	2.26	407.93	402	11	4.13E-02	38.3	
19	7	415.07	17	5	3.81	415.46	412	10	5.72E-02	32.5	4.16E+00
20	7	418.50	12	5	2.73	418.90	412	10	3.96E-02	44.3	
21	0	437.53	47	2	1.35	437.93	434	8	1.57E-01	15.5	
22	0	511.16	12	0	1.45	511.58	507	9	4.00E-02	28.9	

VAX/VMS Peak Search Report Generated 27-NOV-2006 05:45:41.74 / 12 11-27-06

2 me

Summary of Nuclide Activity

Sample ID : 0611072-01

Total number of lines in spectrum

22

Number of unidentified lines

18

Number of lines tentatively identified by NID

4

18.18%

Nuclide Type : FISSION

Wtd Mean

Uncorrected

Decay Corr

10.50Y

Hlft

Decay

pct/filter

3.998E+02

3.998E+02

Wtd Mean

Uncorrected

Decay Corr

1.136E+02

Hlft

Decay

pct/filter

3.222E+02

3.222E+02

Wtd Mean

Uncorrected

Decay Corr

4.47E+09Y

Hlft

Decay

pct/filter

3.222E+02

3.222E+02

Wtd Mean

Nuclide Type : NATURAL

Wtd Mean

Uncorrected

Decay Corr

1.136E+02

Hlft

Decay

pct/filter

3.222E+02

3.222E+02

Wtd Mean

Uncorrected

Decay Corr

4.47E+09Y

Hlft

Decay

pct/filter

3.222E+02

3.222E+02

Wtd Mean

Uncorrected

Decay Corr

1.136E+02

Hlft

Decay

pct/filter

3.222E+02

3.222E+02

Wtd Mean

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Grand Total Activity : 7.221E+02

7.221E+02

Total Activity : 3.222E+02

3.222E+02

TH-234 4.47E+09Y
 Nuclide Hlft
 Decay 1.00
 pct/filter 3.222E+02

Wtd Mean

Uncorrected

Decay Corr

1.136E+02

Hlft

Decay

pct/filter

3.222E+02

3.222E+02

Wtd Mean

Uncorrected

Decay Corr

1.136E+02

Hlft

Decay

pct/filter

3.222E+02

3.222E+02

Wtd Mean

Uncorrected

Decay Corr

1.136E+02

Hlft

Decay

pct/filter

3.222E+02

3.222E+02

Wtd Mean

Uncorrected

Decay Corr

1.136E+02

Hlft

Decay

pct/filter

3.222E+02

3.222E+02

Wtd Mean

Uncorrected

Decay Corr

1.136E+02

Hlft

Decay

pct/filter

3.222E+02

3.222E+02

Wtd Mean

Uncorrected

Decay Corr

1.136E+02

Hlft

Decay

pct/filter

3.222E+02

3.222E+02

Wtd Mean

Uncorrected

Decay Corr

1.136E+02

Hlft

Decay

pct/filter

3.222E+02

3.222E+02

Wtd Mean

Uncorrected

Decay Corr

1.136E+02

Hlft

Decay

pct/filter

3.222E+02

3.222E+02

Wtd Mean

Uncorrected

Decay Corr

1.136E+02

Hlft

Decay

pct/filter

3.222E+02

3.222E+02

Wtd Mean

Uncorrected

Decay Corr

1.136E+02

Hlft

Decay

pct/filter

3.222E+02

3.222E+02

Wtd Mean

Uncorrected

Decay Corr

1.136E+02

Hlft

Decay

pct/filter

3.222E+02

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Wtd Mean

Uncorrected

Decay Corr

1.136E+02

Hlft

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pct/filter

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3.222E+02

Wtd Mean

Uncorrected

Decay Corr

1.136E+02

Hlft

Decay

pct/filter

3.222E+02

3.222E+02

Wtd Mean

Uncorrected

Decay Corr

1.136E+02

Hlft

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pct/filter

3.222E+02

3.222E+02

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Uncorrected

Decay Corr

1.136E+02

Hlft

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Decay Corr

1.136E+02

Hlft

Decay

pct/filter

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Decay

pct/filter

3.222E+02

3.222E+02

Wtd Mean

Uncorrected

Decay Corr

1.136E+02

Hlft

Decay

pct/filter

3.222E+02

3.222E+02

Wtd Mean

Uncorrected

Decay Corr

1.136E+02

Hlft

Decay

pct/filter

3.222E+02

3.222E+02

Wtd Mean

Uncorrected

Decay Corr

1.136E+02

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	pct/filter	Uncorrected Decay Corr 2-Sigma	%Error	Status
BA-133	81.00	33.00*	1.963E+01	3.998E+02	3.999E+02	22.82	OK
	302.84	17.80	4.915E+00	6.224E+02	6.224E+02	44.21	OK
	356.01	60.00	6.963E+00	5.065E+02	5.065E+02	20.11	OK

Final Mean for 3 Valid Peaks = 3.999E+02 +/- 9.125E+01 (22.82%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	pct/filter	Uncorrected Decay Corr 2-Sigma	%Error	Status
TH-234	63.29	3.80*	5.865E+01	3.222E+02	3.222E+02	35.26	OK

Final Mean for 1 Valid Peaks = 3.222E+02 +/- 1.136E+02 (35.26%)

Flag: "*" = Keyline

----- Identified Nuclides -----

Nuclide	Activity (pct/filter)	Act error	MDA (pct/filter)	MDA error	Act/MDA
BA-133	3.999E+02	9.125E+01	5.196E+01	8.529E+00	7.696
TH-234	3.222E+02	1.136E+02	1.218E+02	3.904E+00	2.645

----- Non-Identified Nuclides -----

Nuclide	Key-Line Activity K.L. (pct/filter) Ided	Act error	MDA (pct/filter)	MDA error	Act/MDA
CO-57	-2.618E+01	2.951E+01	4.576E+01	1.429E+01	-0.572
CD-109	2.208E+02	3.430E+02	5.166E+02	6.683E+01	0.427
PA-231	0.000E+00	0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00	0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	-5.589E+00	1.206E+02	1.534E+02	1.867E+01	-0.036
AM-241	1.886E+01	7.126E+00	1.504E+01	3.528E-01	1.254

VAX/VMS Peak Search Report Generated 27-NOV-2006 05:54:02.54 M-11-2776

Configuration : DKA100:[GAMMA.SCSR.ARCHIVE]SMP_061107202_GEL_BAFIL_104932.CN
 Analyses by : PEAK V16.9 PRAKREFF V2.2
 Client ID : BLANK
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00
 Sample ID : 0611072-02
 Sample type : FILTER
 Detector name : GEL
 Elapsed live time : 0 00:05:00.00
 Start channel : 25
 Sensitivity : 3.00000
 Critical level : No

PK	IT	Energy	Area	Bkgnd	FWHM	Channel	Left	PW	Cts/Sec	%Err	Fit
1	3	61.96	129	26	1.89	62.25	57	18	4.30E-01	11.0	1.19E+00
2	3	66.08	45	38	2.51	66.37	57	18	1.51E-01	31.7	
3	10	81.25	318	23	1.77	81.55	77	11	1.06E+00	6.0	2.27E+00
4	10	84.76	11	15	3.70	85.07	77	11	3.55E-02	80.4	
5	3	112.30	67	37	2.22	112.61	109	11	2.23E-01	19.8	1.32E+00
6	3	116.23	30	16	2.62	116.54	109	11	1.01E-01	32.9	
7	0	193.54	35	79	13.85	193.87	181	21	1.17E-01	67.1	
8	0	278.52	16	32	1.16	278.88	273	12	5.28E-02	76.6	
9	2	303.22	54	9	1.89	303.59	300	11	1.79E-01	16.7	4.61E+00
10	2	307.62	11	11	2.63	307.98	300	11	3.80E-02	51.5	
11	3	334.07	41	5	2.10	334.45	330	14	1.37E-01	18.3	2.09E+00
12	3	338.51	17	5	2.93	338.88	330	14	5.63E-02	54.6	
13	0	356.38	223	9	1.73	356.75	352	10	7.42E-01	7.2	
14	0	364.33	14	0	1.33	364.71	362	6	4.67E-02	26.7	
15	0	386.21	129	19	3.54	386.60	381	10	4.31E-01	10.9	
16	0	391.72	25	4	1.80	392.11	391	4	8.17E-02	24.1	
17	2	415.13	20	1	2.74	415.52	410	15	6.83E-02	27.2	1.18E+00
18	2	419.08	13	3	2.74	419.48	410	15	4.37E-02	45.8	
19	0	437.46	43	0	1.53	437.86	434	7	1.43E-01	15.2	
20	0	510.46	10	2	2.85	510.88	506	8	3.44E-02	38.7	

Total number of lines in spectrum 20
 Number of unidentified lines 15
 Number of lines tentatively identified by NID 5
 25.00%

Nuclide Type : FISSION

Nuclide	Half-life	Decay	Wtd Mean	Uncorrected	Decay Corr	pct/filter	Wtd Mean	Decay Corr	2-Sigma	%Error	Flags
BA-133	10.50Y	1.00	4.420E+02	4.420E+02	4.420E+02	pct/filter	4.963E+01	4.963E+01	8.005E+01	20.74	
NP-237	2.14E+06Y	1.00	4.963E+01	4.963E+01	4.963E+01	pct/filter	4.916E+02	4.916E+02	161.28		
Total Activity : 4.916E+02											

Nuclide Type : NATURAL

Nuclide	Half-life	Decay	Wtd Mean	Uncorrected	Decay Corr	pct/filter	Wtd Mean	Decay Corr	2-Sigma	%Error	Flags
TH-234	4.47E+09Y	1.00	5.212E+02	5.212E+02	5.212E+02	pct/filter	5.212E+02	5.212E+02	1.173E+02	22.50	
Total Activity : 5.212E+02											
Grand Total Activity : 1.013E+03											

Flags: "K" = Keyline not found
 "E" = Manually edited
 "M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	pct/filter	Uncorrected Decay Corr 2-sigma	Status
BA-133	81.00	33.00*	1.963E+01	4.420E+02	4.420E+02	20.74
	302.84	17.80	4.915E+00	5.544E+02	5.545E+02	44.34
	356.01	60.00	6.963E+00	4.802E+02	4.803E+02	20.90

Final Mean for 3 Valid Peaks = 4.420E+02 +/- 9.167E+01 (20.74%)

NP-237	86.50	12.60*	1.532E+01	4.963E+01	4.963E+01	161.28
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Final Mean for 1 Valid Peaks = 4.963E+01 +/- 8.005E+01 (161.28%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	pct/filter	Uncorrected Decay Corr 2-sigma	Status
TH-234	63.29	3.80*	5.865E+01	5.212E+02	5.212E+02	22.50

Final Mean for 1 Valid Peaks = 5.212E+02 +/- 1.173E+02 (22.50%)

Flag: "*" = Keyline

----- Identified Nuclides -----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	4.420E+02	9.167E+01	3.772E+01	6.192E+00	11.717
TH-234	5.212E+02	1.173E+02	1.203E+02	3.856E+00	4.331
NP-237	4.963E+01	8.005E+01	1.376E+02	1.675E+01	0.361

----- Non-Identified Nuclides -----

Nuclide	Key-Line Activity K.L. (pCi/filter) Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	1.887E+01	2.607E+01	4.805E+01	1.500E+01	0.393
CD-109	-3.721E+02	3.123E+02	4.061E+02	5.254E+01	-0.916
PA-231	0.000E+00	0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00	0.000E+00	3.752E-01	7.051E-03	0.000
AM-241	2.706E+01	7.977E+00	1.681E+01	3.944E-01	1.609

Configuration : DKA100:[GAMMA.SCSR.ARCHIVE]SMP_061107203_GEL_BAFIL_104933.CN
 Analyses by : PEAK V16.9 PEAKFFF V2.2
 Client ID : WM-2
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 05:55:03
 Sample ID : 0611072-03
 Sample type : FILTER
 Detector name : GEL
 Elapsed live time : 0 00:05:00.00
 Start channel : 25
 Sensitivity : 3.00000
 Critical level : No.

Pk It Energy Area Bkgnd FWHM Channel Left Pw Cts/Sec %Err Fit

1	2	62.01	92	40	2.27	62.30	57	13	3.07E-01	16.0	1.65E+00
2	2	65.72	34	39	2.28	66.02	57	13	1.14E-01	39.4	1.80E+00
3	6	78.18	22	3	1.57	78.48	77	10	7.19E-02	25.2	1.80E+00
4	6	81.40	302	13	1.87	81.70	77	10	1.01E+00	6.1	1.80E+00
5	1	92.76	20	21	2.13	93.07	91	18	6.76E-02	34.5	1.44E+00
6	1	101.89	14	20	2.14	102.19	91	18	4.72E-02	60.8	1.44E+00
7	0	112.82	72	42	1.83	113.12	109	10	2.40E-01	20.3	1.44E+00
8	0	144.41	30	39	8.20	144.73	138	12	9.96E-02	45.6	1.44E+00
9	0	250.03	8	8	4.59	250.37	246	8	2.67E-02	70.7	1.44E+00
10	0	276.95	29	0	2.03	277.31	273	9	9.67E-02	18.6	1.44E+00
11	10	303.07	43	10	2.34	303.43	300	12	1.45E-01	21.7	8.64E+00
12	10	307.93	10	21	4.16	308.30	300	12	3.33E-02	91.7	8.64E+00
13	0	333.65	30	13	1.59	334.02	329	9	9.91E-02	28.8	8.64E+00
14	0	356.51	193	8	1.70	356.89	353	9	6.45E-01	7.7	8.64E+00
15	0	377.21	11	6	1.23	377.59	373	8	3.67E-02	49.0	8.64E+00
16	1	383.84	60	6	2.46	384.22	381	15	2.00E-01	15.5	8.52E+01
17	1	386.84	83	3	2.02	387.22	381	15	2.78E-01	13.3	8.52E+01
18	1	391.84	33	1	2.47	392.22	381	15	1.10E-01	21.1	9.57E-01
19	1	415.38	14	8	2.49	415.77	409	17	4.71E-02	40.2	9.57E-01
20	1	419.60	8	5	2.27	420.00	409	17	2.64E-02	71.6	9.57E-01
21	0	437.40	43	4	2.14	437.80	434	7	1.45E-01	16.8	9.57E-01
22	0	469.47	13	3	1.28	469.88	463	13	4.32E-02	39.7	9.57E-01
23	0	510.31	6	3	1.28	510.73	508	5	1.83E-02	60.6	9.57E-01

Total number of lines in spectrum 23
 Number of unidentified lines 19
 Number of lines tentatively identified by NID 4

17.39%

Nuclide Type : FISSION

Wtd Mean
 Uncorrected
 Decay Corr
 pct/filter
 4.207E+02
 4.207E+02
 1.00
 10.50Y
 H1fe
 Decay
 Nuclide BA-133

Wtd Mean
 Uncorrected
 Decay Corr
 pct/filter
 4.207E+02
 4.207E+02
 20.87
 2-Sigma
 %Error
 Error Flags

Total Activity : 4.207E+02

 4.207E+02

Nuclide Type : NATURAL

Wtd Mean
 Uncorrected
 Decay Corr
 pct/filter
 3.717E+02
 3.717E+02
 1.00
 4.47E+09Y
 H1fe
 Decay
 Nuclide TH-234

Wtd Mean
 Uncorrected
 Decay Corr
 pct/filter
 3.717E+02
 3.717E+02
 32.48
 2-Sigma
 %Error
 Error Flags

Total Activity : 3.717E+02

 3.717E+02

Flags: "K" = Keyline not found
 "B" = Manually edited

Grand Total Activity : 7.924E+02

7.924E+02

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	pCi/filter	Uncorrected Decay Corr 2-Sigma	Status
BA-133	81.00	33.00*	1.963E+01	4.207E+02	4.207E+02	OK
	302.84	17.80	4.915E+00	4.467E+02	4.467E+02	OK
	356.01	60.00	6.963E+00	4.171E+02	4.171E+02	OK

Final Mean for 3 valid peaks = 4.207E+02 +/- 8.780E+01 (20.87%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	pCi/filter	Uncorrected Decay Corr 2-Sigma	Status
TH-234	63.29	3.80*	5.865E+01	3.717E+02	3.717E+02	OK

Final Mean for 1 valid peaks = 3.717E+02 +/- 1.207E+02 (32.48%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pct/filter)	Act error	MDA (pct/filter)	MDA error	Act/MDA
TH-234	3.717E+02	1.207E+02	1.333E+02	4.270E+00	2.789
BA-133	4.207E+02	8.780E+01	3.476E+01	5.707E+00	12.103

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity K.L. (pct/filter) Ided	Act error	MDA (pct/filter)	MDA error	Act/MDA
CO-57	-1.968E+00	3.073E+01	4.982E+01	1.555E+01	-0.039
CD-109	1.865E+00	3.387E+02	4.455E+02	5.762E+01	0.004
PA-231	0.000E+00	0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00	0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	5.011E+01	7.654E+01	1.215E+02	1.479E+01	0.413
AM-241	1.843E+01	7.477E+00	1.549E+01	3.633E-01	1.190

Configuration : DKA100:[GAMMA.SCUR.ARCHIVE]SMP_061107204_GEL_BAFIL_104934.CN
 Analyses by : PEAK V16.9 PEAKFFF V2.2
 Client ID : B-7
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00
 Acquisition date : 27-NOV-2006 06:01:09
 Sample ID : 0611072-04
 Sample type : FILTER
 Detector name : GEL
 Elapsed live time : 0 00:05:00.00
 Start channel : 25
 Sensitivity : 3.00000
 Critical level : No
 Sample Quantity : 1.00000E+00 filter
 Sample Geometry : 0
 Detector Geometry : BAFIL
 Elapsed real time : 0 00:05:00.07 0.0%
 End channel : 4096
 Gaussian : 10.00000

PK	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Brr	FIt
1	2	61.90	95	29	1.85	62.20	57	16	3.18E-01	13.7	1.72E+00
2	2	66.36	43	28	2.15	66.66	57	16	1.42E-01	29.2	1.85E+00
3	2	81.34	309	23	1.68	81.64	77	11	1.03E+00	6.1	1.85E+00
4	2	84.64	20	11	2.22	84.94	77	11	6.62E-02	44.5	3.22E+00
5	5	111.88	66	18	1.72	112.19	108	17	2.21E-01	16.4	3.22E+00
6	5	116.52	22	26	2.80	116.83	108	17	7.34E-02	54.9	3.22E+00
7	0	202.75	41	87	22.83	203.08	181	29	1.37E-01	67.2	7.32E+00
8	0	250.42	9	13	2.32	250.77	245	8	2.92E-02	80.8	7.32E+00
9	0	277.06	36	11	1.97	277.42	271	11	1.20E-01	24.4	7.32E+00
10	0	297.87	8	13	0.98	298.23	292	10	2.76E-02	87.2	7.32E+00
11	0	303.30	61	17	1.85	303.66	301	7	2.02E-01	17.0	7.32E+00
12	0	334.14	33	6	1.88	334.51	330	8	1.10E-01	21.6	7.32E+00
13	0	356.58	199	15	1.39	356.96	353	8	6.62E-01	7.9	7.32E+00
14	5	385.98	94	11	3.61	386.37	381	15	3.13E-01	14.1	7.32E+00
15	5	391.44	17	4	2.72	391.82	381	15	5.82E-02	52.5	7.32E+00
16	0	437.51	49	4	2.07	437.91	434	7	1.62E-01	15.7	7.32E+00

Total number of lines in spectrum
Number of unidentified lines
Number of lines tentatively identified by NID

16
11
5

31.25%

Nuclide Type : FISSION

Nuclide	Half-life	Decay	Wtd Mean	Uncorrected	Decay Corr	pct/filter
BA-133	10.50Y	1.00	4.292E+02	4.292E+02	0.893E+02	20.81
NP-237	2.14E+06Y	1.00	9.272E+01	9.272E+01	8.333E+01	89.88

Total Activity : 5.219E+02

Nuclide Type : NATURAL

Nuclide	Half-life	Decay	Wtd Mean	Uncorrected	Decay Corr	pct/filter	2-Sigma Error	%Error	Flags
TH-234	4.47E+09Y	1.00	3.852E+02	3.852E+02	1.072E+02	27.82			

Total Activity : 3.852E+02

Grand Total Activity : 9.071E+02

Flags: "K" = Keyline not found
"E" = Manually edited

"M" = Manually accepted
"A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	pct/filter	pct/filter	%Error	Status
BA-133	81.00	33.00*	1.963E+01	4.292E+02	4.292E+02	20.81	OK
	302.84	17.80	4.915E+00	6.242E+02	6.243E+02	44.77	OK
	356.01	60.00	6.963E+00	4.283E+02	4.283E+02	21.89	OK
Final Mean for 3 Valid Peaks = 4.292E+02 +/- 8.932E+01 (20.81%)							

NP-237	86.50	12.60*	1.532E+01	9.272E+01	9.272E+01	89.88	OK
Final Mean for 1 Valid Peaks = 9.272E+01 +/- 8.333E+01 (89.88%)							

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	pct/filter	pct/filter	%Error	Status
TH-234	63.29	3.80*	5.865E+01	3.852E+02	3.852E+02	27.82	OK
Final Mean for 1 Valid Peaks = 3.852E+02 +/- 1.072E+02 (27.82%)							

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pct/filter)	Act error	MDA (pct/filter)	MDA error	Act/MDA
BA-133	4.292E+02	8.932E+01	3.664E+01	6.015E+00	11.713
TH-234	3.852E+02	1.072E+02	1.218E+02	3.904E+00	3.161
NP-237	9.272E+01	8.333E+01	1.376E+02	1.675E+01	0.674

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pct/filter) Ided	Act error	MDA (pct/filter)	MDA error	Act/MDA
CO-57	-3.437E+00	2.707E+01	4.386E+01	1.369E+01	-0.078
CD-109	-3.908E+02	3.171E+02	4.090E+02	5.290E+01	-0.956
PA-231	0.000E+00	0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00	0.000E+00	3.752E-01	7.051E-03	0.000
AM-241	1.868E+01	7.109E+00	1.499E+01	3.518E-01	1.246

Configuration : DKA100: [GAMMA.SCSR.ARCHIVE] SMP_061107205_GEL_BAFIL_104936.CM
 Analyses by : PEAK V16.9 PEAKFFF V2.2
 Client ID : B-5
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 06:07:22
 Sample ID : 0611072-05
 Sample type : FILTER
 Detector name : GEL
 Elapsed live time: 0 00:05:00.00
 Start channel : 25
 Sensitivity : 3.00000
 Critical level : NO

Sample Quantity : 1.00000E+00 filter
 Sample Geometry : 0
 Detector Geometry: BAFIL
 Elapsed real time: 0 00:05:00.05 0.0%

PK It Energy Area Bkgnd FWHM Channel Left Pw Cts/Sec %Err Fit

1	0	61.35	49	68	1.73	61.65	58	8	1.64E-01	32.4
2	0	66.76	30	33	1.82	67.05	65	6	9.90E-02	36.8
3	0	81.22	256	25	1.91	81.52	76	11	8.54E-01	7.3
4	0	92.27	18	42	0.95	92.57	89	8	6.12E-02	65.4
5	0	113.63	78	35	2.37	113.94	109	12	2.60E-01	19.0
6	0	189.16	15	13	1.48	189.49	186	7	5.15E-02	45.5
7	0	201.51	13	12	2.35	201.85	199	6	4.33E-02	50.4
8	0	254.36	9	4	1.94	254.71	252	6	2.95E-02	50.2
9	0	277.04	18	2	1.98	277.39	274	7	6.13E-02	26.1
10	3	303.04	45	5	1.86	303.40	300	14	1.51E-01	18.1
11	3	308.36	11	2	2.90	308.72	300	14	3.61E-02	72.2
12	3	333.90	24	5	2.93	334.27	329	12	7.95E-02	29.1
13	3	338.07	9	3	2.09	338.45	329	12	2.95E-02	58.1
14	5	352.69	8	3	3.57	353.07	351	14	2.59E-02	50.0
15	5	356.59	189	3	1.87	356.97	351	14	6.31E-01	7.2
16	0	386.37	88	22	4.61	386.76	381	11	2.93E-01	14.9
17	0	415.98	19	5	1.23	416.38	412	9	6.17E-02	31.1
18	0	437.82	28	5	1.63	438.22	433	9	9.17E-02	23.6
19	0	511.41	12	0	1.50	511.83	507	9	4.00E-02	28.9

Configuration : DKA100:[GAMMA.SCURS.ARCHIVE]SMP_061107206_GEL_BAFIL_104937.CN
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : B-15
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00
 Acquisition date : 27-NOV-2006 06:17:13
 Sample ID : 0611072-06
 Sample type : FILTER
 Detector name : GEL
 Elapsed live time : 0 00:05:00.00
 Start channel : 25
 Sensitivity : 3.00000
 Critical level : No

Sample Quantity : 1.00000E+00 filter
 Sample Geometry : 0
 Detector Geometry: BAFIL
 Elapsed real time: 0 00:05:00.05 0.0%
 End channel : 4096
 Gaussian : 10.00000

PK	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	2	61.89	55	23	2.27	62.18	58	12	1.82E-01	20.8	2.83E+00
2	2	66.31	27	22	2.28	66.60	58	12	9.14E-02	38.9	
3	7	81.29	202	15	1.92	81.59	79	13	6.74E-01	7.7	1.73E+00
4	7	84.19	15	18	2.81	84.49	79	13	5.08E-02	109.0	
5	7	88.61	10	12	2.82	88.91	79	13	3.45E-02	67.9	
6	0	112.79	30	46	2.04	113.10	109	8	1.00E-01	42.7	
7	0	189.28	19	24	7.44	189.61	184	13	6.28E-02	59.9	
8	0	277.27	22	6	2.09	277.62	272	8	7.19E-02	29.3	
9	0	295.44	14	9	2.68	295.80	289	13	4.55E-02	54.2	
10	0	303.70	36	22	1.47	304.07	301	7	1.18E-01	26.8	
11	0	336.29	28	15	1.91	336.66	331	12	9.43E-02	33.1	
12	0	356.65	145	16	1.41	357.03	353	9	4.84E-01	9.8	
13	3	384.16	31	3	2.29	384.55	382	13	1.04E-01	21.4	2.92E+00
14	3	387.28	55	5	2.05	387.66	382	13	1.84E-01	16.9	
15	3	391.57	12	7	2.99	391.96	382	13	3.85E-02	64.3	
16	0	415.60	6	5	1.30	415.99	410	8	2.08E-02	77.0	
17	0	437.39	34	0	1.48	437.79	433	9	1.13E-01	17.1	
18	0	468.70	8	2	1.66	469.11	465	7	2.82E-02	42.8	
19	0	510.04	15	0	2.97	510.47	505	10	5.00E-02	25.8	
20	0	609.42	8	0	2.92	609.87	606	7	2.67E-02	35.4	

ms

Summary of Nuclide Activity

Sample ID : 0611072-06

Total number of lines in spectrum 20
 Number of unidentified lines 15
 Number of lines tentatively identified by NID 5

25.00%

Nuclide Type : FISSION

Nuclide	Half-life	Decay	Wtd Mean	Uncorrected	Decay Corr	pct/filter	Wtd Mean	Decay Corr	2-Sigma	%Error	Flags
CD-109	464.00D	1.00	1.744E+02	1.744E+02	1.744E+02	1.744E+02	1.744E+02	2.380E+02	136.45		
BA-133	10.50Y	1.00	2.813E+02	2.813E+02	2.813E+02	2.813E+02	0.643E+02	22.86			
Total Activity : 4.556E+02											

Total Activity : 4.557E+02											

Nuclide Type : NATURAL

Nuclide	Half-life	Decay	Wtd Mean	Uncorrected	Decay Corr	pct/filter	Wtd Mean	Decay Corr	2-Sigma	%Error	Flags
TH-234	4.47E+09Y	1.00	2.204E+02	2.204E+02	2.204E+02	2.204E+02	2.204E+02	0.924E+02	41.94		
Total Activity : 2.204E+02											

Total Activity : 2.204E+02											

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Grand Total Activity : 6.760E+02

6.761E+02

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	pct/filter	pct/filter	%Error	Status
CD-109	88.03	3.72*	1.439E+01	1.744E+02	1.744E+02	136.45	OK

Final Mean for 1 Valid Peaks = 1.744E+02 +/- 2.380E+02 (136.45%)

Nuclide	Energy	%Abn	%Eff	pct/filter	pct/filter	%Error	Status
BA-133	81.00	33.00*	1.963E+01	2.813E+02	2.813E+02	22.86	OK
	302.84	17.80	4.915E+00	3.656E+02	3.656E+02	61.10	OK
	356.01	60.00	6.963E+00	3.130E+02	3.130E+02	24.74	OK

Final Mean for 3 Valid Peaks = 2.813E+02 +/- 6.431E+01 (22.86%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	pct/filter	pct/filter	%Error	Status
IH-234	63.29	3.80*	5.865E+01	2.204E+02	2.204E+02	41.94	OK

Final Mean for 1 Valid Peaks = 2.204E+02 +/- 9.245E+01 (41.94%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pct/filter)	MDA (pct/filter)	MDA error	Act/MDA
CD-109	1.744E+02	4.295E+02	5.557E+01	0.406
BA-133	2.813E+02	3.842E+01	6.307E+00	7.320
TH-234	2.204E+02	1.003E+02	3.213E+00	2.198

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity K.L. (pct/filter) Ided	Act error	MDA (pct/filter)	MDA error	Act/MDA
CO-57	-3.199E+00	2.623E+01	4.537E+01	1.417E+01	-0.071
PA-231	0.000E+00	0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00	0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	5.514E+01	7.202E+01	1.425E+02	1.735E+01	0.387
AM-241	9.779E+00	6.247E+00	1.207E+01	2.831E-01	0.810

Configuration : DK100:[GAMMA.SCSR.ARCHIVE]SMP_061107207_GEL_BAFIL_104938.CN
 Analyses by : PEAK V16.9 PEAKOFF V2.2
 Client ID : B-3
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00
 Acquisition date : 27-NOV-2006 06:25:27
 Sample ID : 0611072-07
 Sample type : FILTER
 Detector name : GEL
 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00
 Elapsed real time: 0 00:05:00.06 0.0%
 End channel : 4096
 Sensitivity : 3.00000
 Critical level : No

PK	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	2	62.10	73	18	2.27	62.39	59	15	2.44E-01	15.7	1.63E+00
2	2	65.72	28	14	2.28	66.02	59	15	9.20E-02	38.8	
3	2	69.95	16	11	2.29	70.25	59	15	5.50E-02	52.0	
4	4	81.39	260	18	1.67	81.69	78	12	8.67E-01	6.5	2.65E+00
5	4	84.30	12	24	2.81	84.60	78	12	4.08E-02	151.0	
6	0	94.37	12	27	1.13	94.67	90	7	4.00E-02	76.7	
7	0	112.70	73	58	1.96	113.01	108	11	2.43E-01	23.3	
8	0	265.69	9	9	2.45	266.04	262	8	3.14E-02	65.5	
9	0	275.82	26	9	4.41	276.18	270	10	8.54E-02	30.2	
10	0	304.02	45	27	1.83	304.38	299	8	1.49E-01	23.7	
11	0	334.28	21	14	1.55	334.66	330	8	6.97E-02	38.0	
12	0	356.39	177	12	1.47	356.77	352	10	5.89E-01	8.4	
13	6	386.34	75	2	3.97	386.73	383	14	2.52E-01	12.9	7.46E+00
14	6	391.31	22	0	2.67	391.69	383	14	7.27E-02	34.9	
15	0	437.52	52	0	1.84	437.92	433	9	1.73E-01	13.9	
16	0	511.96	13	0	3.32	512.38	509	7	4.33E-02	27.7	

Summary of Nuclide Activity

Sample ID : 0611072-07

Total number of lines in spectrum

Number of unidentified lines

Number of lines tentatively identified by NID

16
12
4

25.00%

Nuclide Type : FISSION

Wtd Mean	3.617E+02	3.617E+02	3.617E+02	3.617E+02
Uncorrected	Decay Corr	pct/filter	2-Sigma Error	%Error Flags
10.50Y	1.00	3.617E+02	0.773E+02	21.38
HIffe	Decay	pct/filter	2-Sigma Error	%Error Flags
BA-133	1.00	3.617E+02	0.773E+02	21.38

Total Activity : 3.617E+02

Nuclide Type : NATURAL

Wtd Mean	2.960E+02	2.960E+02	2.960E+02	2.960E+02
Uncorrected	Decay Corr	pct/filter	2-Sigma Error	%Error Flags
4.47E+09Y	1.00	2.960E+02	0.940E+02	31.74
HIffe	Decay	pct/filter	2-Sigma Error	%Error Flags
TH-234	1.00	2.960E+02	0.940E+02	31.74

Total Activity : 2.960E+02

Grand Total Activity : 6.577E+02

Flags: "K" = Keyline not found
"E" = Manually edited

"M" = Manually accepted
"A" = Nuclide specific abn. limit

6.577E+02

2.960E+02

2.960E+02

2.960E+02

2.960E+02

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	pct/filter	Uncorrected Decay Corr 2-Sigma	Status
BA-133	81.00	33.00*	1.963E+01	3.617E+02	3.617E+02	21.38
	302.84	17.80	4.915E+00	4.595E+02	4.596E+02	55.72
	356.01	60.00	6.963E+00	3.809E+02	3.809E+02	22.63

Final Mean for 3 Valid Peaks = 3.617E+02 +/- 7.733E+01 (21.38%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	pct/filter	Uncorrected Decay Corr 2-Sigma	Status
TH-234	63.29	3.80*	5.865E+01	2.960E+02	2.960E+02	31.74

Final Mean for 1 Valid Peaks = 2.960E+02 +/- 9.396E+01 (31.74%)

Flag: "*" = Keyline

----- Identified Nuclides -----

Nuclide	Activity (pct/filter)	Act error	MDA (pct/filter)	MDA error	Act/MDA
BA-133	3.617E+02	7.733E+01	3.928E+01	6.448E+00	9.210
TH-234	2.960E+02	9.396E+01	1.074E+02	3.442E+00	2.756

----- Non-Identified Nuclides -----

Nuclide	Key-Line Activity K.L. (pct/filter) Ided	Act error	MDA (pct/filter)	MDA error	Act/MDA
CO-57	2.808E+00	2.965E+01	4.950E+01	1.545E+01	0.057
CD-109	1.050E+00	2.525E+02	3.436E+02	4.445E+01	0.003
PA-231	0.000E+00	0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00	0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	4.491E+01	7.585E+01	1.190E+02	1.449E+01	0.377
AM-241	8.696E+00	6.947E+00	1.278E+01	2.999E-01	0.680

Configuration : DKA100:[GAMMA.SCSR.ARCHIVE]SMP_061107208_GEL_BAFIL_104939.CN
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : WM-1
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00
 Acquisition date : 27-NOV-2006 06:31:36
 Sample ID : 0611072-08
 Sample type : FILTER
 Detector name : GEL
 Elapsed live time : 0 00:05:00.00
 Start channel : 25
 Sensitivity : 3.00000
 Critical level : No

Sample Quantity : 1.00000E+00 filter
 Sample Geometry : 0
 Detector Geometry: BAFIL
 Elapsed real time: 0 00:05:00.06 0.0%

PK	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	FIt
1	3	62.14	89	27	2.26	62.43	59	11	2.96E-01	15.1	1.60E+00
2	3	66.30	50	30	2.19	66.60	59	11	1.67E-01	26.6	
3	0	81.37	270	41	1.83	81.68	78	10	8.99E-01	7.5	
4	0	112.50	59	50	1.73	112.81	108	9	1.96E-01	25.2	
5	0	151.13	8	19	1.59	151.45	148	7	2.55E-02	99.3	
6	0	277.56	38	6	1.97	277.92	273	11	1.27E-01	20.2	
7	4	303.05	48	4	2.03	303.41	300	16	1.59E-01	16.6	2.66E+00
8	4	307.71	16	9	3.19	308.07	300	16	5.22E-02	60.5	
9	2	334.17	32	7	2.59	334.54	328	18	1.06E-01	24.0	1.44E+00
10	2	338.09	19	4	2.66	338.46	328	18	6.49E-02	41.1	
11	2	341.65	7	1	2.67	342.02	328	18	2.26E-02	93.4	
12	0	356.45	215	21	1.85	356.83	351	10	7.16E-01	7.9	
13	4	384.29	48	7	3.28	384.67	381	16	1.58E-01	22.6	4.45E+00
14	4	387.58	55	4	1.78	387.97	381	16	1.85E-01	18.2	
15	4	391.45	21	3	2.13	391.84	381	16	7.01E-02	29.6	
16	0	418.37	13	18	3.20	418.77	410	12	4.33E-02	70.9	
17	0	437.58	34	4	1.89	437.98	434	8	1.14E-01	19.8	
18	0	468.92	6	6	1.88	469.33	465	6	2.00E-02	76.4	
19	0	511.03	11	0	1.35	511.45	508	7	3.67E-02	30.2	

Total number of lines in spectrum
 19
 Number of unidentified lines
 15
 Number of lines tentatively identified by NID
 4

21.05%

Nuclide Type : FISSION

Nuclide	Wtd Mean	Uncorrected	Decay Corr	pct/Filter	Wtd Mean	Uncorrected	Decay Corr	pct/Filter	2-Sigma Error	%Error	Flags
BA-133	10.50Y	1.00	3.752E+02	3.753E+02	3.753E+02	0.849E+02	22.61				
Total Activity : 3.752E+02											

Nuclide Type : NATURAL

Nuclide	Wtd Mean	Uncorrected	Decay Corr	pct/Filter	Wtd Mean	Uncorrected	Decay Corr	pct/Filter	2-Sigma Error	%Error	Flags
TH-234	4.47E+09Y	1.00	3.591E+02	3.591E+02	3.591E+02	1.097E+02	30.56				
Total Activity : 3.591E+02											
Grand Total Activity : 7.343E+02											

Flags: "K" = Keyline not found
 "E" = Manually edited
 "M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%EFF	pct/fiilter	pct/fiilter	%Error	Status
BA-133	81.00	33.00*	1.963E+01	3.752E+02	3.753E+02	22.61	OK
	302.84	17.80	4.915E+00	4.904E+02	4.904E+02	44.29	OK
	356.01	60.00	6.963E+00	4.633E+02	4.633E+02	21.85	OK

Final Mean for 3 Valid Peaks = 3.753E+02 +/- 8.486E+01 (22.61%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%EFF	pct/fiilter	pct/fiilter	%Error	Status
TH-234	63.29	3.80*	5.865E+01	3.591E+02	3.591E+02	30.56	OK

Final Mean for 1 Valid Peaks = 3.591E+02 +/- 1.097E+02 (30.56%)

Flag: "*" = Keyline

---- Identified Nuclides ----		---- Non-Identified Nuclides ----	
Nuclide	Activity (pct/filter)	Act error	MDA (pct/filter)
BA-133	3.753E+02	8.486E+01	3.900E+01
TH-234	3.591E+02	1.097E+02	1.173E+02
TH-234			3.757E+00
TH-234			3.062
TH-234			9.623
---- Identified Nuclides ----		---- Non-Identified Nuclides ----	
Nuclide	Key-Line Activity K.L. (pct/filter) Ided	Act error	MDA (pct/filter)
CO-57	-2.287E+01	2.646E+01	3.826E+01
CD-109	-3.012E+02	3.308E+02	4.621E+02
PA-231	0.000E+00	0.000E+00	5.798E-01
PA-234	0.000E+00	0.000E+00	3.752E-01
NP-237	-6.098E+01	8.490E+01	1.230E+02
AM-241	1.279E+01	7.135E+00	1.366E+01
---- Identified Nuclides ----		---- Non-Identified Nuclides ----	
Nuclide	Act/MDA	MDA error	Act/MDA
CO-57	-0.598	1.195E+01	-0.598
CD-109	-0.652	5.978E+01	-0.652
PA-231	0.000	1.089E-02	0.000
PA-234	0.000	7.051E-03	0.000
NP-237	-0.496	1.497E+01	-0.496
AM-241	0.936	3.205E-01	0.936

VAX/VMS Peak Search Report Generated 27-NOV-2006 06:42:17.70
 M 11-2306
 Configuration : DKA100:[GAMMA.SCSR.ARCHIVE]SMP_061107209_GEL_BAFIL_104940.CN
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : MW-2
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00
 Acquisition date : 27-NOV-2006 06:36:57
 Sample ID : 0611072-09
 Sample type : FILTER
 Detector name : GEL
 Elapsed live time : 0 00:05:00.00
 Elapsed real time : 0 00:05:00.06 0.0%
 Detector Geometry : BAFIL
 Sample Geometry : 0
 Sample Quantity : 1.00000E+00 filter
 Critical level : No
 Sensitivity : 3.00000
 Start channel : 25
 End channel : 4096
 Gaussian : 10.00000

PK	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	3	62.08	118	31	1.92	62.38	57	15	3.95E-01	12.0	1.02E+00
2	3	66.32	30	52	2.19	66.62	57	15	1.02E-01	47.0	
3	0	81.40	287	35	1.87	81.70	79	9	9.58E-01	6.9	
4	0	93.70	16	26	1.23	94.00	92	7	5.36E-02	57.3	
5	1	108.89	11	10	2.15	109.20	107	19	3.79E-02	47.4	2.58E+00
6	1	112.49	90	14	2.16	112.80	107	19	3.01E-01	13.0	
7	1	116.49	29	15	2.17	116.80	107	19	9.60E-02	31.2	
8	0	135.24	17	23	2.69	135.55	131	10	5.67E-02	57.7	
9	0	188.71	14	19	4.41	189.04	186	7	4.76E-02	57.2	
10	0	257.35	11	8	4.58	257.70	253	9	3.54E-02	59.1	
11	0	265.82	19	2	3.13	266.18	262	8	6.34E-02	26.3	
12	0	277.12	20	22	1.15	277.48	273	8	6.63E-02	46.6	
13	0	303.50	52	28	1.65	303.87	300	9	1.73E-01	22.9	
14	0	334.10	35	5	1.94	334.47	330	7	1.17E-01	20.0	
15	0	356.56	178	6	1.69	356.94	353	8	5.94E-01	7.9	
16	6	386.34	133	9	3.97	386.73	381	15	4.42E-01	10.8	6.61E+00
17	6	391.94	25	1	2.31	392.33	381	15	8.31E-02	28.4	
18	3	415.35	12	12	3.01	415.75	411	12	3.91E-02	62.8	2.59E+00
19	3	419.83	9	5	2.46	420.23	411	12	3.12E-02	48.7	
20	0	437.22	41	2	1.46	437.62	433	8	1.36E-01	16.8	
21	0	468.20	15	2	1.86	468.61	464	7	4.97E-02	30.0	
22	0	511.40	9	2	1.55	511.82	508	8	3.09E-02	41.8	

Summary of Nuclide Activity

Sample ID : 0611072-09

Page : 2
Acquisition date : 27-NOV-2006 06:36:57

Total number of lines in spectrum
22

Number of unidentified lines
17

Number of lines tentatively identified by NID
5

22.73%

Nuclide Type : FISSION

Wtd Mean	3.998E+02
Uncorrected	3.998E+02
Decay Corr	3.998E+02
pct/filter	3.998E+02
2-Sigma Error	0.874E+02
%Error	21.87
Flags	

Nuclide BA-133

Half-life 10.50Y

Decay 1.00

Wtd Mean 3.998E+02

Total Activity : 3.998E+02

Nuclide Type : NATURAL

Wtd Mean	4.785E+02
Uncorrected	4.785E+02
Decay Corr	4.785E+02
pct/filter	4.785E+02
2-Sigma Error	1.175E+02
%Error	24.55
Flags	

Nuclide TH-234

Half-life 4.47E+09Y

Decay 1.00

Wtd Mean 4.785E+02

Total Activity : 4.785E+02

Grand Total Activity : 8.783E+02

Flags : "K" = Keyline not found
"E" = Manually edited

"M" = Manually accepted
"A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	pct/filter	Uncorrected Decay Corr 2-Sigma	Status
BA-133	81.00	33.00*	1.963E+01	3.998E+02	3.998E+02	21.87 OK
	302.84	17.80	4.915E+00	5.340E+02	5.340E+02	54.30 OK
	356.01	60.00	6.963E+00	3.843E+02	3.843E+02	21.83 OK

Final Mean for 3 Valid Peaks = 3.998E+02 +/- 8.743E+01 (21.87%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	pct/filter	Uncorrected Decay Corr 2-Sigma	Status
TH-234	63.29	3.80*	5.865E+01	4.785E+02	4.785E+02	24.55 OK

Final Mean for 1 Valid Peaks = 4.785E+02 +/- 1.175E+02 (24.55%)

Flag: "*" = Keyline

----- Identified Nuclides -----		----- Non-Identified Nuclides -----	
Nuclide	Activity (pct/filter)	Key-Line Activity K.L. (pct/filter) Ided	Act error
BA-133	3.998E+02		8.743E+01
TH-234	4.785E+02		1.175E+02
CO-57	-7.088E+00		2.277E+01
CD-109	1.992E+02		2.551E+02
PA-231	0.000E+00		0.000E+00
PA-234	0.000E+00		0.000E+00
NP-237	5.909E+01		7.773E+01
AM-241	2.069E+01		7.345E+00
MDA error	7.105E+00	MDA (pct/filter)	4.328E+01
Act/MDA	9.238	Act error	1.233E+02
MDA error	3.952E+00	MDA (pct/filter)	1.233E+02
Act/MDA	3.880	Act error	1.175E+02
MDA error	1.262E+01	MDA (pct/filter)	4.042E+01
Act/MDA	-0.175	Act error	2.277E+01
MDA error	5.486E+01	MDA (pct/filter)	4.241E+02
Act/MDA	0.470	Act error	2.551E+02
MDA error	1.089E-02	MDA (pct/filter)	5.798E-01
Act/MDA	0.000	Act error	0.000E+00
MDA error	7.051E-03	MDA (pct/filter)	3.752E-01
Act/MDA	0.000	Act error	0.000E+00
MDA error	1.528E+01	MDA (pct/filter)	1.255E+02
Act/MDA	0.471	Act error	7.773E+01
MDA error	3.644E-01	MDA (pct/filter)	1.553E+01
Act/MDA	1.332	Act error	7.345E+00

Configuration : DKA100:[GAMMA.SCUR.ARCHIVE]SMP_061107210_GFI_BAFIL_104942.CN
 Analyses by : PBAK V16.9 PEAKEFF V2.2
 Client ID : B-6
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 06:42:22
 Sample ID : 0611072-10
 Sample type : FILTER
 Detector name : GFI
 Elapsed live time : 0 00:05:00.00
 Start channel : 25
 Sensitivity : 3.00000
 Critical level : No

Sample Quantity : 1.00000R+00 filter
 Sample Geometry : 0
 Detector Geometry: BAFIL
 Elapsed real time: 0 00:05:00.05 0.0%

PK	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Brr	Flt
1	3	62.11	45	30	1.93	62.41	58	13	1.50E-01	26.0	2.00E+00
2	3	66.28	29	51	2.49	66.58	58	13	9.53E-02	44.7	
3	2	81.43	207	16	1.84	81.73	76	32	6.91E-01	7.5	2.32E+00
4	2	93.10	18	16	2.34	93.41	76	32	5.87E-02	48.4	
5	2	103.10	14	14	2.36	103.41	76	32	4.68E-02	59.4	
6	2	112.28	69	16	2.38	112.59	108	23	2.28E-01	16.4	1.66E+00
7	2	116.89	19	19	2.17	117.20	108	23	6.38E-02	46.0	
8	0	173.13	14	11	1.46	173.46	170	6	4.65E-02	47.0	
9	0	224.39	9	9	2.54	224.73	222	5	3.04E-02	59.0	
10	0	277.25	14	3	1.50	277.61	274	6	4.67E-02	33.1	
11	0	303.73	40	8	1.81	304.09	300	10	1.32E-01	20.6	
12	0	334.58	14	7	1.86	334.95	331	7	4.66E-02	41.3	
13	0	356.47	144	11	1.85	356.84	353	8	4.79E-01	9.3	
14	0	363.34	9	8	2.50	363.72	361	7	3.11E-02	58.0	
15	4	384.36	34	2	2.30	384.75	382	13	1.14E-01	18.6	2.39E+00
16	4	387.55	58	1	1.78	387.94	382	13	1.95E-01	15.9	
17	4	391.56	21	0	2.28	391.95	382	13	6.91E-02	22.9	
18	0	416.40	32	3	4.84	416.79	412	10	1.08E-01	19.8	
19	0	437.85	29	2	1.70	438.25	434	9	9.66E-02	20.7	

Total number of lines in spectrum
Number of unidentified lines
Number of lines tentatively identified by NID

19
15
4

21.05%

Nuclide Type : FISSION

Nuclide	Half Life	Decay	Wtd Mean	Uncorrected	Decay Corr	pct/filter	2-Sigma Error	2-Sigma	Error Flags
BA-133	10.50Y	1.00	2.882E+02	2.882E+02	2.882E+02	2.882E+02	0.649E+02	22.53	
Total Activity : 2.882E+02									

Nuclide Type : NATURAL

Nuclide	Half Life	Decay	Wtd Mean	Uncorrected	Decay Corr	pct/filter	2-Sigma Error	2-Sigma	Error Flags
TH-234	4.47E+09Y	1.00	1.821E+02	1.821E+02	1.821E+02	1.821E+02	0.950E+02	52.18	
Total Activity : 1.821E+02									
Grand Total Activity : 4.702E+02									

Flags: "K" = Keyline not found
"E" = Manually edited

"M" = Manually accepted
"A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	pct/filter	pct/filter	%Error	Status
BA-133	81.00	33.00*	1.963E+01	2.882E+02	2.882E+02	22.53	OK
	302.84	17.80	4.915E+00	4.094E+02	4.094E+02	50.44	OK
	356.01	60.00	6.963E+00	3.097E+02	3.097E+02	24.01	OK

Final Mean for 3 Valid Peaks = 2.882E+02 +/- 6.494E+01 (22.53%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	pct/filter	pct/filter	%Error	Status
TH-234	63.29	3.80*	5.865E+01	1.821E+02	1.821E+02	52.18	OK

Final Mean for 1 Valid Peaks = 1.821E+02 +/- 9.500E+01 (52.18%)

Flag: "*" = Keyline

Configuration : DKA100:[GAMMA.SCUR.ARCHIVE]SMP_061107211_GEL_BAFIL_104943.CN
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : B-19
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00
 Sample ID : 0611072-11
 Sample type : FILTER
 Detector name : GEL
 Elapsed live time : 0 00:05:00.00
 Start channel : 25
 Sensitivity : 3.00000
 Critical level : No

PK	IT	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	63.60	114	60	2.28	63.90	58	11	3.79E-01	16.2	
2	0	81.53	214	32	1.72	81.83	78	9	7.14E-01	8.4	
3	0	98.43	31	30	10.50	98.73	91	14	1.03E-01	43.6	
4	3	112.12	60	22	2.61	112.43	109	16	2.00E-01	19.4	5.09E+00
5	3	116.76	24	14	2.33	117.07	109	16	8.12E-02	36.6	
6	3	120.98	13	13	2.63	121.29	109	16	4.33E-02	69.7	
7	0	229.88	16	8	1.43	230.22	227	7	5.20E-02	40.2	
8	2	246.01	9	0	2.56	246.36	245	19	2.86E-02	33.0	1.12E+00
9	2	249.65	13	2	2.12	250.00	245	19	4.17E-02	37.0	
10	0	276.70	22	5	1.14	277.05	274	6	7.27E-02	27.5	
11	0	303.16	41	10	1.96	303.52	301	6	1.37E-01	19.6	
12	0	307.82	9	9	1.24	308.18	307	5	3.15E-02	58.5	
13	6	333.81	19	7	2.66	334.19	330	12	6.23E-02	34.2	1.86E+00
14	6	338.19	12	4	3.15	338.56	330	12	4.10E-02	47.5	
15	2	351.61	9	0	2.68	351.99	351	10	3.04E-02	23.9	4.61E-01
16	2	356.44	209	3	1.80	356.82	351	10	6.97E-01	6.9	
17	8	384.00	48	0	2.64	384.39	380	17	1.59E-01	18.5	4.44E+00
18	8	387.62	61	0	1.94	388.01	380	17	2.02E-01	15.9	
19	8	391.01	29	0	4.37	391.40	380	17	9.65E-02	34.7	
20	1	411.72	7	0	2.49	412.12	411	9	2.18E-02	6.6	3.95E-01
21	1	414.83	15	4	2.49	415.23	411	9	4.91E-02	36.7	
22	0	437.38	34	2	2.02	437.78	433	8	1.15E-01	18.4	
23	0	510.74	12	0	2.51	511.17	508	7	4.00E-02	28.9	

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	pct/filter	pct/filter	%Error	Status
CO-57	122.06	85.51*	5.696E+00	2.404E+01	2.406E+01	142.85	OK
	136.48	10.60	4.614E+00	-----	Line Not Found	-----	Absent
Final Mean for 1 Valid Peaks = 2.406E+01 +/- 3.437E+01 (142.85%)							

BA-133

	81.00	33.00*	1.963E+01	2.978E+02	2.978E+02	23.80	OK
	302.84	17.80	4.915E+00	4.228E+02	4.229E+02	48.84	OK
	356.01	60.00	6.963E+00	4.511E+02	4.512E+02	20.52	OK
Final Mean for 3 Valid Peaks = 2.978E+02 +/- 7.088E+01 (23.80%)							

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	pct/filter	pct/filter	%Error	Status
TH-234	63.29	3.80*	5.865E+01	4.598E+02	4.598E+02	32.84	OK
Final Mean for 1 Valid Peaks = 4.598E+02 +/- 1.510E+02 (32.84%)							

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pct/filter)	Act error	MDA (pct/filter)	MDA error	Act/MDA
CO-57	2.406E+01	3.437E+01	4.422E+01	1.381E+01	0.544
BA-133	2.978E+02	7.088E+01	3.725E+01	6.114E+00	7.996
TH-234	4.598E+02	1.510E+02	1.141E+02	3.655E+00	4.031

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity K.L. (pct/filter) Ided	Act error	MDA (pct/filter)	MDA error	Act/MDA
CD-109	5.427E+01	3.047E+02	4.245E+02	5.492E+01	0.128
PA-231	0.000E+00	0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00	0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	6.375E+01	7.184E+01	1.215E+02	1.480E+01	0.525
AM-241	1.215E+01	7.353E+00	1.384E+01	3.247E-01	0.878

Configuration : DKA100:[GAMMA.SCUR.ARCHIVE]SMP_061107212_GEL_BAFIL_104944.CN
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : B-2
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 06:55:33
 Sample ID : 0611072-12
 Sample type : FILTER
 Detector name : GEL
 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00
 Elapsed real time: 0 00:05:00.06 0.0%
 End channel : 4096
 Sensitivity : 3.00000
 Critical level : No

VAX/VMS Peak Search Report Generated 27-NOV-2006 07:00:51.86 M 11.2206

PK	It	Energy	Area	Bkgnd	FWHM	Channel	Left	PW	Cts/Sec	%Err	Fit
1	0	61.48	53	63	1.26	61.78	59	7	1.78E-01	27.2	
2	0	67.21	26	42	1.77	67.50	65	6	8.71E-02	45.7	
3	2	77.89	20	6	2.10	78.19	77	10	6.55E-02	20.8	1.01E+01
4	2	81.38	272	16	2.01	81.68	77	10	9.06E-01	6.4	
5	0	113.07	37	45	1.70	113.38	108	9	1.23E-01	36.6	
6	0	189.54	32	28	8.55	189.87	183	14	1.07E-01	39.3	
7	0	221.27	14	25	3.00	221.61	217	12	4.55E-02	77.2	
8	1	277.43	18	8	2.36	277.79	271	15	6.07E-02	34.4	2.13E+00
9	1	280.86	14	5	2.37	281.22	271	15	4.79E-02	43.0	
10	0	303.61	36	17	2.02	303.97	299	11	1.20E-01	27.5	
11	0	335.17	31	10	1.85	335.54	331	11	1.04E-01	27.0	
12	0	345.50	7	1	1.27	345.88	343	6	2.25E-02	47.4	
13	0	356.78	139	24	1.78	357.16	353	8	4.62E-01	10.6	
14	2	384.08	43	3	2.71	384.47	381	15	1.44E-01	16.3	1.84E+00
15	2	387.40	62	5	1.98	387.79	381	15	2.06E-01	15.7	
16	2	391.77	19	8	2.72	392.16	381	15	6.23E-02	44.7	
17	2	415.13	18	3	2.74	415.52	411	15	5.99E-02	24.3	3.08E+00
18	2	419.08	14	2	2.74	419.48	411	15	4.51E-02	39.8	
19	0	437.57	33	2	1.75	437.97	434	8	1.10E-01	18.9	

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	pct/filter	pct/filter	%Error	Status
BA-133	81.00	33.00*	1.963E+01	3.780E+02	3.781E+02	21.24	OK
	302.84	17.80	4.915E+00	3.710E+02	3.710E+02	62.34	OK
	356.01	60.00	6.963E+00	2.988E+02	2.989E+02	26.03	OK
Final Mean for 3 Valid Peaks = 3.781E+02+/- 8.029E+01 (21.24%)							

Uncorrected Decay Corr 2-Sigma

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	pct/filter	pct/filter	%Error	Status
TH-234	63.29	3.80*	5.865E+01	2.158E+02	2.158E+02	54.64	OK
Final Mean for 1 Valid Peaks = 2.158E+02+/- 1.179E+02 (54.64%)							

Uncorrected Decay Corr 2-Sigma

AM-241	59.54	35.90*	8.010E+01	1.673E+01	1.673E+01	54.60	OK
--------	-------	--------	-----------	-----------	-----------	-------	----

Final Mean for 1 Valid Peaks = 1.673E+01+/- 9.133E+00 (54.60%)

Flag: "*" = Keyline

----- Identified Nuclides -----

Nuclide	Activity (pct/filter)	Act error	MDA (pct/filter)	MDA error	Act/MDA
BA-133	3.781E+02	8.029E+01	3.725E+01	6.114E+00	10.150
TH-234	2.158E+02	1.179E+02	1.291E+02	4.137E+00	1.672
AM-241	1.673E+01	9.133E+00	9.484E+00	2.225E-01	1.764

----- Non-Identified Nuclides -----

Nuclide	Key-Line Activity K.L. (pct/filter) Ided	Act error	MDA (pct/filter)	MDA error	Act/MDA
CO-57	-1.670E+01	2.816E+01	4.411E+01	1.377E+01	-0.379
CD-109	-4.826E+02	3.160E+02	3.735E+02	4.831E+01	-1.292
PA-231	0.000E+00	0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00	0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	-1.025E+02	8.461E+01	1.093E+02	1.331E+01	-0.938

Configuration : DKA100:[GAMMA.SCUR.ARCHIVE]SMP_061107213_GEL_BAFIL_104945.CN
 Analyses by : PEAK V16.9 PEAKREF V2.2
 Client ID : B-1
 Deposition Date :
 Sample Date : 27-NOV-2006 00:00:00 Acquisition date : 27-NOV-2006 07:00:56
 Sample ID : 0611072-13
 Sample type : FILTER
 Detector name : GEL
 Elapsed live time : 0 00:05:00.00
 Start channel : 25
 Sensitivity : 3.00000
 Critical level : No

PK It Energy Area Bkgnd FWHM Channel Left PW Cts/Sec %Err Flt

1	3	61.95	91	31	1.93	62.25	58	17	3.04E-01	14.1	1.23E+00
2	3	66.24	54	27	2.12	66.54	58	17	1.79E-01	23.4	
3	0	81.40	312	56	1.77	81.70	77	9	1.04E+00	7.1	
4	0	94.04	13	48	2.70	94.35	88	9	4.42E-02	97.7	
5	0	112.02	71	55	2.04	112.33	106	11	2.35E-01	23.9	
6	0	162.17	24	19	1.49	162.49	158	8	7.93E-02	38.3	
7	6	218.27	21	17	3.70	218.61	213	15	7.01E-02	44.4	2.47E+00
8	6	223.75	12	12	3.37	224.09	213	15	3.87E-02	60.2	
9	0	229.90	13	8	1.87	230.24	228	5	4.17E-02	43.4	
10	0	277.83	26	11	1.72	278.19	273	9	8.66E-02	30.4	
11	9	303.36	54	9	2.89	303.72	291	20	1.79E-01	17.8	2.81E+00
12	9	307.62	10	7	3.05	307.98	291	20	3.34E-02	80.7	
13	7	333.76	24	9	2.74	334.14	331	11	7.85E-02	30.1	1.02E+01
14	7	338.45	14	5	2.44	338.83	331	11	4.76E-02	47.6	
15	2	352.16	7	0	2.68	352.53	351	12	2.29E-02	32.6	2.42E+00
16	2	356.54	229	0	1.88	356.92	351	12	7.62E-01	6.5	
17	3	383.61	32	11	2.24	384.00	381	10	1.08E-01	31.1	1.82E+01
18	3	387.16	68	14	2.10	387.55	381	10	2.27E-01	17.2	
19	0	391.64	20	5	1.48	392.03	391	5	6.54E-02	31.2	
20	0	437.18	38	2	1.91	437.58	434	7	1.28E-01	17.1	
21	0	468.41	12	2	1.62	468.82	465	7	4.12E-02	33.4	
22	0	510.40	11	0	1.92	510.82	507	8	3.67E-02	30.2	

VAX/VMS Peak Search Report Generated 27-NOV-2006 07:06:11.56

lv

lv 11-27-06

Summary of Nuclide Activity

Sample ID : 0611072-13

Acquisition date : 27-NOV-2006 07:00:56

Total number of lines in spectrum

22

Number of unidentified lines

18

Number of lines tentatively identified by NID

4

18.18%

Nuclide Type : FISSION

Wtd Mean

4.337E+02

Uncorrected

Decay Corr

Decay Corr

2-Sigma Error

Hife

%Error

10.50Y

1.00

Decay

pci/filter

4.337E+02

4.337E+02

Wtd Mean

4.337E+02

Uncorrected

Decay Corr

Decay Corr

2-Sigma Error

Hife

%Error

4.47E+09Y

1.00

Decay

pci/filter

3.691E+02

3.691E+02

Wtd Mean

3.691E+02

Uncorrected

Decay Corr

Decay Corr

2-Sigma Error

Hife

%Error

4.47E+09Y

1.00

Decay

pci/filter

3.691E+02

3.691E+02

Wtd Mean

3.691E+02

Uncorrected

Decay Corr

Decay Corr

2-Sigma Error

Hife

%Error

4.47E+09Y

1.00

Decay

pci/filter

3.691E+02

3.691E+02

Wtd Mean

3.691E+02

Uncorrected

Decay Corr

Decay Corr

2-Sigma Error

Hife

%Error

4.47E+09Y

1.00

Decay

pci/filter

3.691E+02

3.691E+02

Wtd Mean

3.691E+02

Uncorrected

Decay Corr

Decay Corr

2-Sigma Error

Hife

%Error

4.47E+09Y

1.00

Decay

pci/filter

3.691E+02

3.691E+02

Wtd Mean

3.691E+02

Uncorrected

Decay Corr

Decay Corr

2-Sigma Error

Hife

%Error

4.47E+09Y

1.00

Decay

pci/filter

3.691E+02

3.691E+02

Wtd Mean

3.691E+02

Uncorrected

Decay Corr

Decay Corr

2-Sigma Error

Hife

%Error

4.47E+09Y

1.00

Decay

pci/filter

Flags: "K" = Keyline not found
 "E" = Manually edited
 "M" = Manually accepted
 "A" = Nuclide specific abn. limit

Grand Total Activity : 8.028E+02

8.028E+02

Total Activity : 3.691E+02

3.691E+02

Nuclide TH-234
 Hife 4.47E+09Y
 Decay 1.00
 pci/filter 3.691E+02

Wtd Mean

3.691E+02

Uncorrected

Decay Corr

Decay Corr

2-Sigma Error

Hife

%Error

4.47E+09Y

1.00

Decay

pci/filter

3.691E+02

3.691E+02

Wtd Mean

3.691E+02

Uncorrected

Decay Corr

Decay Corr

2-Sigma Error

Hife

%Error

4.47E+09Y

1.00

Decay

pci/filter

3.691E+02

3.691E+02

Wtd Mean

3.691E+02

Uncorrected

Decay Corr

Decay Corr

2-Sigma Error

Hife

%Error

4.47E+09Y

1.00

Decay

pci/filter

3.691E+02

3.691E+02

Wtd Mean

3.691E+02

Uncorrected

Decay Corr

Decay Corr

2-Sigma Error

Hife

%Error

4.47E+09Y

1.00

Decay

pci/filter

3.691E+02

3.691E+02

Wtd Mean

3.691E+02

Uncorrected

Decay Corr

Decay Corr

2-Sigma Error

Hife

%Error

4.47E+09Y

1.00

Decay

pci/filter

3.691E+02

3.691E+02

Wtd Mean

3.691E+02

Uncorrected

Decay Corr

Decay Corr

2-Sigma Error

Hife

%Error

4.47E+09Y

1.00

Decay

pci/filter

3.691E+02

3.691E+02

Wtd Mean

3.691E+02

Uncorrected

Decay Corr

Decay Corr

2-Sigma Error

Hife

%Error

4.47E+09Y

1.00

Decay

pci/filter

3.691E+02

3.691E+02

Wtd Mean

3.691E+02

Uncorrected

Decay Corr

Decay Corr

2-Sigma Error

Hife

%Error

4.47E+09Y

1.00

Decay

pci/filter

3.691E+02

3.691E+02

Wtd Mean

3.691E+02

Uncorrected

Decay Corr

Decay Corr

2-Sigma Error

Hife

%Error

4.47E+09Y

1.00

Decay

pci/filter

3.691E+02

3.691E+02

Wtd Mean

3.691E+02

Uncorrected

Decay Corr

Decay Corr

2-Sigma Error

Hife

%Error

4.47E+09Y

1.00

Decay

pci/filter

3.691E+02

3.691E+02

Wtd Mean

3.691E+02

Uncorrected

Decay Corr

Decay Corr

2-Sigma Error

Hife

%Error

4.47E+09Y

1.00

Decay

pci/filter

3.691E+02

3.691E+02

Wtd Mean

3.691E+02

Uncorrected

Decay Corr

Decay Corr

2-Sigma Error

Hife

%Error

4.47E+09Y

1.00

Decay

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	pct/filiter	Uncorrected Decay Corr 2-Sigma	Status
BA-133	81.00	33.00*	1.963E+01	4.337E+02	4.337E+02	OK
	302.84	17.80	4.915E+00	5.516E+02	5.516E+02	OK
	356.01	60.00	6.963E+00	4.932E+02	4.932E+02	OK

Final Mean for 3 Valid Peaks = 4.337E+02 +/- 9.591E+01 (22.11%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	pct/filiter	Uncorrected Decay Corr 2-Sigma	Status
TH-234	63.29	3.80*	5.865E+01	3.691E+02	3.691E+02	OK

Final Mean for 1 Valid Peaks = 3.691E+02 +/- 1.058E+02 (28.66%)

Flag: "*" = Keyline

----- Identified Nuclides -----		----- Non-Identified Nuclides -----	
Nuclide	Activity (pct/filter)	Key-Line Activity K.L. (pct/filter) Ided	Act error
BA-133	4.337E+02	9.591E+01	1.058E+02
TH-234	3.691E+02	1.147E+02	4.093E+01
CO-57	-3.276E+01	3.275E+01	4.596E+01
CD-109	-4.680E+01	4.031E+02	5.071E+02
PA-231	0.000E+00	0.000E+00	5.798E-01
PA-234	0.000E+00	0.000E+00	3.752E-01
NP-237	-2.657E+01	1.105E+02	1.350E+02
AM-241	1.894E+01	7.597E+00	1.509E+01
Act/MDA	10.596	Act/MDA	1.255
MDA error	6.719E+00	MDA error	3.540E-01
MDA (pct/filter)	3.676E+00	MDA (pct/filter)	1.643E+01
Act/MDA	3.217	Act/MDA	7.051E-03
MDA error	1.435E+01	MDA error	1.089E-02
MDA (pct/filter)	0.092	MDA (pct/filter)	6.560E+01
Act/MDA	-0.713	Act/MDA	1.435E+01
MDA error	0.000	MDA error	1.435E+01
MDA (pct/filter)	0.000	MDA (pct/filter)	1.435E+01
Act/MDA	-0.197	Act/MDA	1.435E+01
MDA error	1.255	MDA error	1.435E+01

Sherry Laboratories

**STANDARD LEVEL IV
REPORT OF ANALYSIS**

WORK ORDER #06-11071-OR

December 15, 2006

**Eberline Services
OAK RIDGE LABORATORY
OAK RIDGE, TN**

TABLE OF CONTENTS

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Eberline Services – Oak Ridge Laboratory

**LABORATORY DATA SUPPORT CHECKLIST
MP-001-3**

Eberline Services Work Order # 06.11071

The checklist items listed below are to be initialed by appropriate staff upon completion/verification.

Date for Partial	Initials	Date	Initials	Checklist Items
		11/17/06	UVAB	Sample Log-In
		12/12/06	KBS	Data Compilation
		12/13/06	MLT	Technical Data Review <i>MON: 12/13/06</i>
		12/14/06	DB	Data Entry/Electronic Deliverable
		12/14/06	DB	Case Narrative
		12/15/06	DB	Electronic Deliverable Proof
		12/15/06	<i>[Signature]</i>	Samples Analyzed within Holding Time <i>YES</i>
		12/15/06	<i>[Signature]</i>	QA/QC Review
				Invoiced by Laboratory

Technical/Clerical Corrections, Signatures Needed, Problems, Etc	Date/Initials

Date package approved by: *[Signature]*
 Laboratory Manager

12/15/06
 Date

Copy No. _____



SECTION I
CHAIN OF CUSTODY
&
PH CHECK

CHAIN-OF-CUSTODY RECORD

Sherry Laboratories/Louisiana

2417 West Pinhook Road
Lafayette, LA 70508-3344
(337) 235-0483

Subcontractor:

Eberline Services
601 Scarboro Road

TEL: (866) 481-0683
FAX:

Oak Ridge, TN 37830

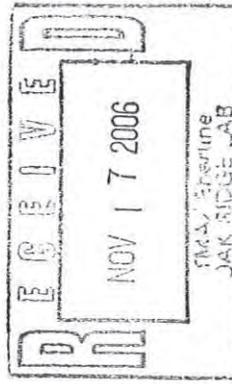
Acct #:

16-Nov-06

Requested Tests

Number of Containers RAD226_228_S

Client Sample ID	Lab ID	Matrix	Collection Date	Bottle Type	Number of Containers	Requested Tests
4	B-1 (0-3')	L06110580-01B	11/13/2006 3:35:00 PM	9OZAMGU	1	
5	B-1 (3-6')	L06110580-02B	11/13/2006 3:37:00 PM	9OZAMGU	1	
6	B-2 (0-3')	L06110580-03B	11/13/2006 3:45:00 PM	9OZAMGU	1	
7	B-2 (3-6')	L06110580-04B	11/13/2006 3:47:00 PM	9OZAMGU	1	
8	B-3 (0-3')	L06110580-05B	11/13/2006 4:10:00 PM	9OZAMGU	1	
9	B-3 (3-6')	L06110580-06B	11/13/2006 4:15:00 PM	9OZAMGU	1	
10	B-4 (0-3')	L06110580-07B	11/13/2006 4:20:00 PM	9OZAMGU	1	
11	B-4 (3-6')	L06110580-08B	11/13/2006 4:25:00 PM	9OZAMGU	1	
12	B-5 (0-6')	L06110580-09B	11/13/2006 12:10:00 PM	9OZAMGU	1	



Comments:

Use Client Sample ID(s) on reports.
Valid LELAP Certification required.


 Date/Time: 11/16/06 1700
 Received by: K. Bannister
 Received by:

Date/Time: 0930 11/17/06

Relinquished by:
Relinquished by:



Internal Chain of Custody

Work Order #	06-11071
Lab Deadline	12/13/2006
Analysis	Gamma - Level 4
Sample Matrix	Sludge

Comments	Sample Fraction	HP 210 / 270 Detector Activity	Storage Location	
21-Day Ingrowth; Report Ra226/228 & positives	04	37	F1.2	
	05	43	F1.2	
	06	34	F1.2	
	07	46	F1.2	
	08	46	F1.2	
	09	28	F1.2	
	10	45	F1.2	
	11	52	F1.2	
	12	48	F1.2	

	Location (circle one)					Initials	Date
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room / 830	Kenny Sallig	11-17-06
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room 0415	Kenny Sallig	11-20-06
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room	M. Kelly	11-20-06
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room	JRT	0948 12-11-06 15145
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room		

SECTION II

SAMPLE ACKNOWLEDGEMENT



Eberline Services – Oak Ridge Laboratory

SAMPLE RECEIPT CHECKLIST

MP-001-2

WORK ORDER # 06.11071

SAMPLE MATRIX/MATRICES:

(CIRCLE ONE OR BOTH)

AQUEOUS NON-AQUEOUS

(CIRCLE EITHER YES, NO, OR N/A)

WERE SAMPLES:

Received in good condition?

Y OR N

If aqueous, properly preserved

Y OR N N/A

WERE CHAIN OF CUSTODY SEALS:

Present on outside of package?

Y OR N

Unbroken on outside of package?

Y OR N

Present on samples?

Y OR N

Unbroken on samples?

Y OR N

Was chain of custody present upon sample receipt? yes

IF ANY OF THE ABOVE ARE CIRCLED, A DISCREPANT SAMPLE RECEIPT REPORT (DSR) HAS BEEN ISSUED.

REMARKS: _____

SIGNATURE: K. Bannister DATE: 11-17-06

SECTION III
CASE NARRATIVE

EBS-OR-25185

December 15, 2006

Ann Reedy
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 2417 W. Pinhook Road
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CASE NARRATIVE
 Work Order # 06-11071-OR

SAMPLE RECEIPT

This work order contains nine sludge samples received 11/17/2006. All samples were analyzed for Radium-226/228 by Gamma Spectroscopy.

<u>CLIENT ID</u>	<u>LAB ID</u>	<u>CLIENT ID</u>	<u>LAB ID</u>
B-1 (0-3')	06-11071-04	B-3 (3-6')	06-11071-09
B-1 (3-6')	06-11071-05	B-4 (0-3')	06-11071-10
B-2 (0-3')	06-11071-06	B-4 (3-6')	06-11071-11
B-2 (3-6')	06-11071-07	B-5 (0-6')	06-11071-12
B-3 (0-3')	06-11071-08		

ANALYTICAL METHODS

Gamma Spectroscopy was performed using Method LANL ER-130 Modified.

ANALYTICAL RESULTS

Total Propagated Uncertainty is reported at 1-sigma value.

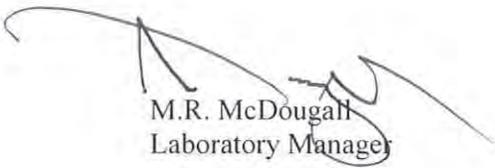
GAMMA SPECTROSCOPY

Samples were dried, homogenized and placed into appropriate gamma spectroscopy geometry containers. Samples were then sealed for 21 days to allow for ingrowth of Radon-222 and progeny. Samples were counted on High Purity Germanium (HPGe) gamma ray detectors. Energy lines from Lead-214 and Bismuth-214 were analyzed for determinations of Radium-226 activity.

Samples demonstrated background equivalent to slightly positive results for Radium-226 and Radium-228 activity. Due to limited sample mass, detection limits are slightly high for some analytes. Results for the Radium-226 and Radium-228 method blank demonstrated background equivalent activity. Results for the Radium-226 and Radium-228 replicate demonstrated a high relative percent difference; however, normalized difference is within acceptable limits for the analytical technique. Results for the Cobalt-60 and Cesium-137 laboratory control sample demonstrated an acceptable percent recovery.

CERTIFICATION OF ACCURACY

I certify that this data report is in compliance with the terms and conditions of the Purchase Order, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the cognizant project manager or his/her designee to be accurate as verified by the following signature.



M.R. McDougall
Laboratory Manager

Date: 12/15/2006

SECTION IV
ANALYTICAL RESULTS SUMMARY

Eberline Services

Final Report of Analysis

Annie Reedy
Sherry Laboratories
2417 W. Pinhook Road
Lafayette, LA 70508

SDG: 06-11071
Purchase Order: L06110580
Analysis Category: ENVIRONMENTAL
Sample Matrix: SL

Work Order Details:

Report To:

Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	TPU	MDA	Report Units
06-11071-01	LCS	KNOWN	11/17/06 00:00	11/17/2006	12/11/2006	06-11071	Cobalt-60	LANL ER-130 Modified	2.57E+02	6.82E+00			pCi/g
06-11071-01	LCS	KNOWN	11/17/06 00:00	11/17/2006	12/11/2006	06-11071	Cesium-137	LANL ER-130 Modified	1.62E+02	4.85E+00			pCi/g
06-11071-01	LCS	SPIKE	11/17/06 00:00	11/17/2006	12/11/2006	06-11071	Cobalt-60	LANL ER-130 Modified	2.63E+02	1.26E+01	6.40E+00	1.09E+00	pCi/g
06-11071-01	LCS	SPIKE	11/17/06 00:00	11/17/2006	12/11/2006	06-11071	Cesium-137	LANL ER-130 Modified	1.59E+02	1.20E+01	6.12E+00	8.00E-01	pCi/g
06-11071-02	MBL	BLANK	11/17/06 00:00	11/17/2006	12/11/2006	06-11071	Radium-226	LANL ER-130 Modified	-8.33E-03	6.01E-02	3.06E-02	1.11E-01	pCi/g
06-11071-02	MBL	BLANK	11/17/06 00:00	11/17/2006	12/11/2006	06-11071	Radium-228	LANL ER-130 Modified	-5.28E-02	9.24E-02	4.71E-02	1.54E-01	pCi/g
06-11071-03	DUP	B-1 (0-3)	11/13/06 15:35	11/17/2006	12/11/2006	06-11071	Radium-226	LANL ER-130 Modified	1.40E+00	8.25E-01	4.21E-01	1.52E+00	pCi/g
06-11071-03	DUP	B-1 (0-3)	11/13/06 15:35	11/17/2006	12/11/2006	06-11071	Radium-228	LANL ER-130 Modified	6.34E-01	1.13E+00	5.74E-01	2.14E+00	pCi/g
06-11071-04	DO	B-1 (0-3)	11/13/06 15:35	11/17/2006	12/11/2006	06-11071	Radium-226	LANL ER-130 Modified	1.77E+00	8.76E-01	4.47E-01	9.72E-01	pCi/g
06-11071-04	DO	B-1 (0-3)	11/13/06 15:35	11/17/2006	12/11/2006	06-11071	Radium-228	LANL ER-130 Modified	1.20E+00	1.22E+00	6.22E-01	2.37E+00	pCi/g
06-11071-05	TRG	B-1 (3-6)	11/13/06 15:37	11/17/2006	12/11/2006	06-11071	Radium-226	LANL ER-130 Modified	9.45E-01	1.37E+00	6.97E-01	2.57E+00	pCi/g
06-11071-05	TRG	B-1 (3-6)	11/13/06 15:37	11/17/2006	12/11/2006	06-11071	Radium-228	LANL ER-130 Modified	1.32E+00	2.17E+00	1.11E+00	4.14E+00	pCi/g
06-11071-06	TRG	B-2 (0-3)	11/13/06 15:45	11/17/2006	12/11/2006	06-11071	Radium-226	LANL ER-130 Modified	4.55E+00	1.41E+00	7.19E-01	1.64E+00	pCi/g
06-11071-06	TRG	B-2 (0-3)	11/13/06 15:45	11/17/2006	12/11/2006	06-11071	Radium-228	LANL ER-130 Modified	3.02E+00	2.56E+00	1.31E+00	3.61E+00	pCi/g
06-11071-07	TRG	B-2 (3-6)	11/13/06 15:47	11/17/2006	12/11/2006	06-11071	Radium-226	LANL ER-130 Modified	2.22E+00	6.82E-01	3.48E-01	6.28E-01	pCi/g
06-11071-07	TRG	B-2 (3-6)	11/13/06 15:47	11/17/2006	12/11/2006	06-11071	Radium-228	LANL ER-130 Modified	1.99E+00	8.06E-01	4.11E-01	1.28E+00	pCi/g
06-11071-08	TRG	B-3 (0-3)	11/13/06 16:10	11/17/2006	12/11/2006	06-11071	Radium-226	LANL ER-130 Modified	2.05E+00	9.33E-01	4.76E-01	1.16E+00	pCi/g
06-11071-08	TRG	B-3 (0-3)	11/13/06 16:10	11/17/2006	12/11/2006	06-11071	Radium-228	LANL ER-130 Modified	2.19E+00	1.65E+00	8.40E-01	2.76E+00	pCi/g
06-11071-09	TRG	B-3 (3-6)	11/13/06 16:15	11/17/2006	12/11/2006	06-11071	Radium-226	LANL ER-130 Modified	1.35E+00	6.76E-01	3.45E-01	6.12E-01	pCi/g
06-11071-09	TRG	B-3 (3-6)	11/13/06 16:15	11/17/2006	12/11/2006	06-11071	Radium-228	LANL ER-130 Modified	2.11E+00	8.81E-01	4.49E-01	1.21E+00	pCi/g
06-11071-10	TRG	B-4 (0-3)	11/13/06 16:20	11/17/2006	12/11/2006	06-11071	Radium-226	LANL ER-130 Modified	9.72E-01	1.81E+00	9.22E-01	3.29E+00	pCi/g
06-11071-10	TRG	B-4 (0-3)	11/13/06 16:20	11/17/2006	12/11/2006	06-11071	Radium-228	LANL ER-130 Modified	5.05E-01	2.67E+00	1.36E+00	4.98E+00	pCi/g
06-11071-11	TRG	B-4 (3-6)	11/13/06 16:25	11/17/2006	12/11/2006	06-11071	Radium-226	LANL ER-130 Modified	1.81E+00	4.86E-01	2.48E-01	5.12E-01	pCi/g
06-11071-11	TRG	B-4 (3-6)	11/13/06 16:25	11/17/2006	12/11/2006	06-11071	Radium-228	LANL ER-130 Modified	2.90E+00	7.35E-01	3.75E-01	8.83E-01	pCi/g
06-11071-12	TRG	B-5 (0-6)	11/13/06 12:10	11/17/2006	12/11/2006	06-11071	Radium-226	LANL ER-130 Modified	2.66E+00	5.79E-01	2.95E-01	6.53E-01	pCi/g
06-11071-12	TRG	B-5 (0-6)	11/13/06 12:10	11/17/2006	12/11/2006	06-11071	Radium-228	LANL ER-130 Modified	1.95E+00	1.00E+00	5.12E-01	1.78E+00	pCi/g

CU=Counting Uncertainty; TPU=Total Propagated Uncertainty (1-sigma); MDA=Minimal Detected Activity; LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original



EBERLINE
SERVICES

Oak Ridge Laboratory

601 Scarboro Road, Oak Ridge, TN 37830 865/481-0683 FAX 865/483-4621

SECTION V
ANALYTICAL STANDARD

CERTIFICATE OF CALIBRATION

Standard Radionuclide Source

GAS-60

72075-416

Sand in PP Delta Jar Half Filled

This standard radionuclide source was prepared using aliquots measured gravimetrically from master radionuclide solution sources. The Am-241 was calibrated by 4 pi alpha liquid scintillation counting. All other radionuclides were calibrated using a germanium gamma spectrometer system. Calibration and purity were checked using a germanium gamma spectrometer system. At the time of calibration no interfering gamma-ray emitting impurities were detected. The gamma-ray emission rates for the most intense gamma-ray lines are given. Analytics maintains traceability to the National Institute of Standards and Technology through a Measurements Assurance Program as described in USNRC Regulatory Guide 4.15, Rev. 1, February, 1979.

Calibration date: January 1, 2006 12:00 EST

ISOTOPE	GAMMA-RAY ENERGY	HALF-LIFE		GAMMA-RAYS PER SECOND	TOTAL UNCERTAINTY %
Am-241	59.5	432	y	2008	3.0
Cd-109	88	462.6	d	2832	3.3
Co-57	122	271.79	d	1505	3.0
Ce-139	166	137.6	d	2115	2.8
Hg-203	279	46.61	d	4857	2.7
Sn-113	392	115.1	d	2930	2.6
Cs-137	662	30.07	y	1892	3.0
Y-88	898	106.6	d	7089	2.6
Co-60	1173	5.2714	y	3593	2.7
Co-60	1332	5.2714	y	3625	2.6
Y-88	1836	106.6	d	7366	2.6

1.6 g/cc density. 240 mL/384 grams of sand.

P O NUMBER 00002953, Item 5

SOURCE PREPARED BY: M. Dimitrova
M. Dimitrova, RadiochemistQ A APPROVED: [Signature] 01-23-2006

This standard will expire one year after the calibration date.

SECTION VI
QUALITY CONTROL SAMPLE RESULTS SUMMARY

WO	Analysis	Run	Activity Units	Aliquot Units	Client Name
06-11071	Gamma	1	pCi	g	Sherry Laboratories

Laboratory Control Sample

Analyte	Normalized Difference	LCS Measured	TPU Measured	LCS Expected	Uncert. Expected	Known	Known Error	Result	TPU	Standard ID	Standard ACT (dpm)	Standard Error	Standard Added (g)
CO-60	0.82	102.31%	5.12%	100.00%	2.65%	2.57E+02	6.82E+00	2.63E+02	1.35E+01	GAS-18	2.57E+02	6.82E+00	3.84E+02
CS-137	0.47	98.12%	7.79%	100.00%	3.00%	1.62E+02	4.85E+00	1.59E+02	1.24E+01	GAS-18	1.62E+02	4.85E+00	3.84E+02

Matrix Spike

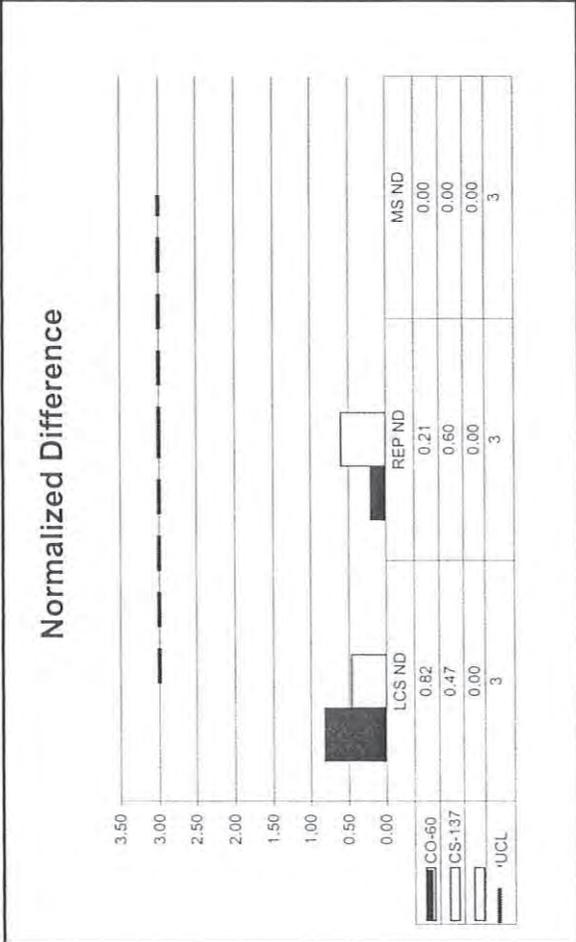
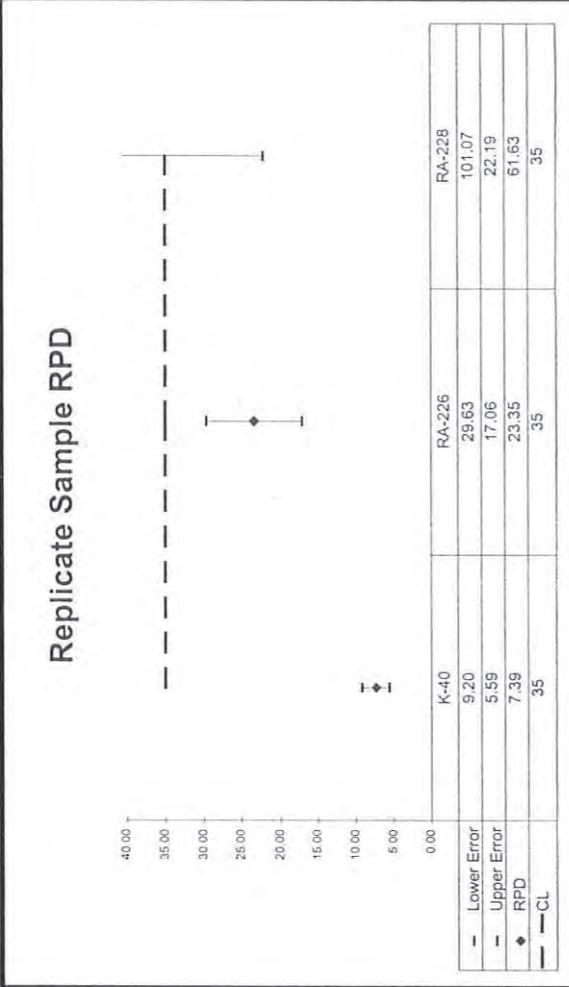
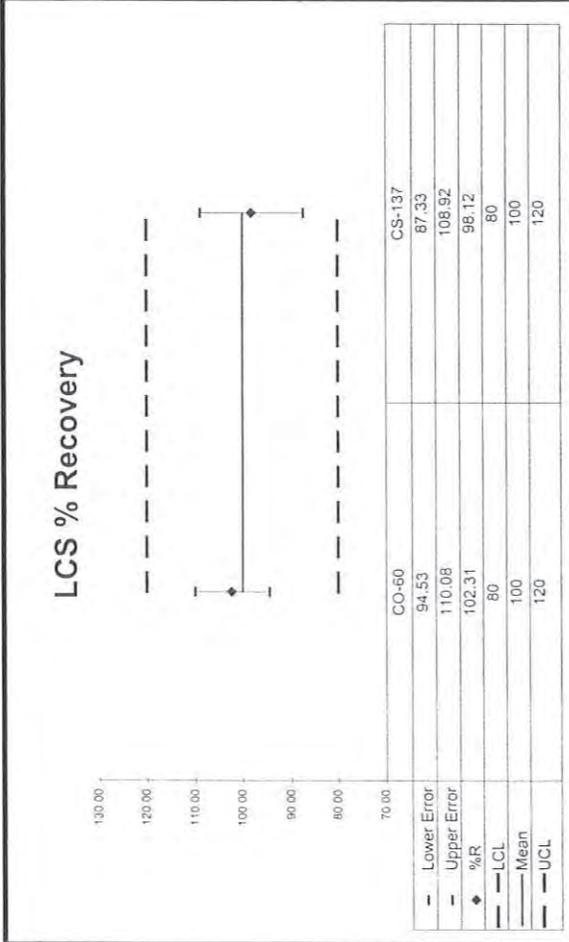
Analyte	Normalized Difference	MS Actual % Rec	Expected MS Result	Expected MS Uncert	Actual MS Result	Actual MS TPU	Sample Result	Sample TPU	Sample Aliquot	Standard ID	Standard ACT (dpm)	Standard Error %	Standard Added (g)

Replicate Sample

Analyte	Normalized Difference	RPD	Original Result	Original TPU	Replicate Result	Replicate TPU	LCS Relative Bias	LCS % R	LCS ND	MS % R	MS ND	Rep RPD	Rep ND
K-40	0.21	7.39	1.16E+01	6.21E+00	1.08E+01	4.76E+00	1.02	OK	OK	<CS-137	K-40>	INV	OK
RA-226	0.60	23.35	1.77E+00	8.77E-01	1.40E+00	8.25E-01					RA-226>		
RA-228	0.67	61.63	1.20E+00	1.22E+00	6.34E-01	1.13E+00					RA-228>		

QC Summary

WO	Analysis	Run	Activity Units	Aliquot Units	Client Name
06-11071	Gamma	1	pCi	g	Sherry Laboratories



No Matrix Spike

SECTION VII
LABORATORY TECHNICIAN'S NOTES
&
INSTRUMENT RUN LOGS

DATE	SAMPLE#	Ge CLIENT	LOAD TIME	CT-TIME	ANALYSIS	TEA
12-7-06	0611101-01	MPA	0738	5m	Ba	ju
12-7-06	0611101-02	MPA	0746	5m	Ba	ju
12-7-06	0611101-03	MPA	0815	5m	Ba	ju
12-7-06	0611101-04	MPA	0853	5m	Ba	ju
12-7-06	0611101-05	MPA	0908	5m	Ba	ju
12-7-06	0611101-08	MPA	0922	5m	Ba	ju
12-7-06	0611101-10	MPA	0928	5m	Ba	ju
12-7-06	0611101-12	MPA	0940	5m	Ba	ju
12-7-06	0611101-14	MPA	1017	5m	Ba	ju
12-7-06	GAW-6	LAB	1213	15m	J	ju
12-7-06	0612008-03	NJ	12:36	1 1/2 HR	J	ju
12-7-06	0612008-04	NJ	14:17	1 1/2 HR	J	ju
12-7-06	0612015-03	BJC	16:15	6 HR	J	ju
12-8-06	Daily Bkgd	LAB	0550	15m	J	ju
12-8-06	GAS-60	LAB	0609	15m	J	ju
12-8-06	GAW-6	LAB	0627	15m	J	ju
12-8-06	0612015-04	BSC	0646	6 HR	J	ju
12-8-06	0612018-02	PM	12:56	3 1/2 HR	J	ju
12-8-06	0612017-02	Ark. Analy.	16:29	4 HR	J	ju
12/9/06	Chamber Bkgd	Lab	13:09	24 HR	J	AG
12-11-06	Daily Bkgd	LAB	0540	15m	J	ju
12-11-06	GAS-60	LAB	0556	15m	J	ju
12-11-06	GAW-6	LAB	0643	15m	J	ju
12-11-06	GAS-61	LAB	0702	15m	J	ju
12-11-06	0611071-03	Sherry	0727	2 HR	J	ju
12-11-06	0611071-04	Sherry	0938	2 HR	J	ju
12-11-06	0611071-11	Sherry	1139	2 HR	J	ju

Gc 2

9

Date	Sample #	Client	Load time	Count time	Analysis	Teles
12-7-06	Daily Bkgd	LAB	0545	15m	J	mu
12-7-06	GAS-60	LAB	0650	15m	J	mu
12-7-06	GAW-6	LAB 12/7/06 +2:35	12:35	15min	J	mu
12-7-06	0612008-05	NJ	12:55	2 HR	J	mu
12-7-06	0612008-07	NJ	15:01	2 HR	J	mu
12-7-06	0612008-10	NJ	17:33	2 HR	J	mu
12-8-06	Daily Bkgd	LAB	0549	15m	J	mu
12-8-06	GAW-6	LAB	0610	15m	J	mu
12-8-06	GAS-60	LAB	0627	15m	J	mu
12-8-06	0612008-12	NJ	0647	2 HR	J	mu
12-8-06	0612008-15	NJ	0849	2 HR	J	mu
12-8-06	0612018-03	PM	1110	3 1/2 HR	J	mu
12-8-06	0612018-04	PM	14:42	3 1/2 HR	J	mu
12-9-06	CHAMBER BKGD	LAB	13:10	24 HR	J	AG
12-11-06	Daily Bkgd	LAB	0540	15m	J	mu
12-11-06	GAS-61	LAB	0557	15m	J	mu
12-11-06	GAS-60	LAB	0617	15m	J	mu
12-11-06	GAW-6	LAB	0703	15m	J	mu
12-11-06	0611071-05	Sherry	0728	2 HR	J	mu
12-11-06	0611071-08	Sherry	0939	2 HR	J	mu
12-11-06	0611071-12	Sherry	1141	2 HR	J	mu

Date	Sample #	Client	Load time	Count time	Analysis	Tech
12-7-06	GAW-6	LAB	15:02	15 min	J	J
12-7-06	0612008-09	NJ	15:19	1 1/2 HR	J	J
12-7-06	0612015-02	BTC	16:51	6 HR	J	J
12-8-06	Daily Bkgd	LAB	0549	15 min	J	J
12-8-06	GAW-6	LAB	0645	15 min	J	J
12-8-06	GAS-60	LAB	0702	15 min	J	J
12-8-06	0612008-13	NJ	0722	1 1/2 HR	J	J
12-8-06	0612008-16	NJ	0854	1 1/2 HR	J	J
12-8-06	0612008-01	NJ	1028	30 min	J	J
12-8-06	0612015-01	BTC	1107	30 min	J	J
12-8-06	0612018-05	PM	12:03	3 1/2 HR	J	J
12-8-06	0612018-01	PM	15:14	30 min	J	J
12-8-06	0612018-07	PM	15:47	3 1/2 HR	J	J
12/9/06	CHAMBER BKGD	LAB	13:11	24 HR	J	AG
12-11-06	Daily Bkgd	LAB	0539	15 min	J	J
12-11-06	GAW-6	LAB	0558	15 min	J	J
12-11-06	GAS-61	LAB	0618	15 min	J	J
12-11-06	GAS-60	LAB	0644	15 min	J	J
12-11-06	0612021-03	Lumille	0705	1 HR	J	J
12-11-06	0612021-04	Lumille	0807	1 HR	J	J
12-11-06	0611071-06	Sherry	0910	2 HR	J	J
12-11-06	0611071-09	Sherry	1114	2 HR	J	J
12-11-06	061107-01	Sherry	13:36	30 min	J	J

Date	Sample #	Client	H Load time	Count time	Analysis	93 10/11/06
12-6-06	0612007-15	NJ	0930	2 HR	J	mu
12-6-06	0612007-02	NJ	1130	2 HR	J	mu
12-6-06	GAS-64	LAB	13:33	15 min	J	mu
12-6-06	0612013-05	Duratek	13:52	30 min	J	mu
12-7-06	Daily Bkgd	LAB	0546	15 min	J	mu
12-7-06	GAS-60	GAO	0737	15 min	J	mu
12-7-06	GAW-6	LAB ^{012/7/06} 12:53	12:53	15 min	J	mu
12-7-06	0612005-06	NJ	13:16	2 HR	J	mu
12-7-06	0612008-08	NJ	15:17	2 HR	J	mu
12-7-06	0612008-11	NJ	17:34	2 HR	J	mu
12-8-06	Daily Bkgd	LAB	0548	15 min	J	mu
12-8-06	GAS-60	LAB	0646	15 min	J	mu
12-8-06	GAW-6	LAB	0703	15 min	J	mu
12-8-06	0612008-14	NJ	0723	2 HR 15 min ¹²⁻⁸⁻⁰⁶	J	mu
12-8-06	0612008-02	NJ	0932	2 HR	J	mu
12-8-06	0612018-06	PM	12:04	4 HR	J	mu
12-8-06	0612017-03	Ark. Analy.	16:21	4 HR	J	mu
12/9/06	CHAMBER BKGD	LAB	13:12	24 HR	J	AG
12-11-06	Daily Bkgd	LAB	0539	15 min	J	mu
12-11-06	GAW-6	LAB	0618	15 min	J	mu
12-11-06	GAS-61	LAB	0644	15 min	J	mu
12-11-06	GAS-60	LAB	0703	15 min	J	mu
12-11-06	0612021-01	Lunville	0725	30 min	J	mu
12-11-06	0612021-02	Lunville	0806	1 HR	J	mu
12-11-06	0611071-07	Sherry	0911	2 HR	J	mu
12-11-06	0611071-10	Sherry	1115	2 HR	J	mu
12-11-06	0611071-02	Sherry	13:35	2 HR	J	mu

SECTION VIII
ANALYTICAL DATA (GAMMA SPECTROSCOPY)

Preliminary Data Report & Analytical Calculations
Work Order: 06-11071-Gamma-1

Lab Fraction	Nuclide	Sample Desc	Client Identification	Activity Units	Results	Error Estimate	MDA	LSC Known	LSC %R	LCS Flag	RPD Flag	Sample Date	Sample Aliquot	Counting Date/Time
01	CO-60	LCS	LCS	pCi/g	2.63E+02	1.26E+01	1.09E+00	2.57E+02	102.31	OK		11/17/06 00:00	1.00E+00	12/11/06 13:35
01	CS-137	LCS	LCS	pCi/g	1.59E+02	1.20E+01	8.00E-01	1.62E+02	98.12	OK		11/17/06 00:00	1.00E+00	12/11/06 13:35
02	RA-228	MBL	BLANK	pCi/g	-5.28E-02	9.24E-02	1.54E-01					11/17/06 00:00	1.00E+00	12/11/06 13:34
02	RA-226	MBL	BLANK	pCi/g	-8.33E-03	6.01E-02	1.11E-01					11/17/06 00:00	1.00E+00	12/11/06 13:34
03	RA-228	DUP	B-1 (0-3)	pCi/g	6.34E-01	1.13E+00	2.14E+00				INV	11/13/06 15:35	1.88E+01	12/11/06 07:27
03	RA-226	DUP	B-1 (0-3)	pCi/g	1.40E+00	8.25E-01	1.52E+00				OK	11/13/06 15:35	1.88E+01	12/11/06 07:27
03	K-40	DUP	B-1 (0-3)	pCi/g	1.08E+01	4.76E+00	4.91E+00				OK	11/13/06 15:35	1.88E+01	12/11/06 07:27
04	RA-228	DO	B-1 (0-3)	pCi/g	1.20E+00	1.22E+00	2.37E+00					11/13/06 15:35	1.88E+01	12/11/06 09:38
04	RA-226	DO	B-1 (0-3)	pCi/g	1.77E+00	8.76E-01	9.72E-01					11/13/06 15:35	1.88E+01	12/11/06 09:38
04	K-40	DO	B-1 (0-3)	pCi/g	1.16E+01	6.21E+00	4.91E+00					11/13/06 15:35	1.88E+01	12/11/06 09:38
05	RA-228	TRG	B-1 (3-6)	pCi/g	1.32E+00	2.17E+00	4.14E+00					11/13/06 15:37	1.46E+01	12/11/06 07:28
05	RA-226	TRG	B-1 (3-6)	pCi/g	9.45E-01	1.37E+00	2.57E+00					11/13/06 15:37	1.46E+01	12/11/06 07:28
05	K-40	TRG	B-1 (3-6)	pCi/g	2.02E+01	7.75E+00	8.66E+00					11/13/06 15:37	1.46E+01	12/11/06 07:28
05	PB-212	TRG	B-1 (3-6)	pCi/g	2.91E+00	1.43E+00	1.26E+00					11/13/06 15:37	1.46E+01	12/11/06 07:28
06	RA-228	TRG	B-2 (0-3)	pCi/g	3.02E+00	2.56E+00	3.61E+00					11/13/06 15:45	1.11E+01	12/11/06 09:10
06	RA-226	TRG	B-2 (0-3)	pCi/g	4.55E+00	1.41E+00	1.64E+00					11/13/06 15:45	1.11E+01	12/11/06 09:10
06	PB-212	TRG	B-2 (0-3)	pCi/g	2.43E+00	9.22E-01	9.86E-01					11/13/06 15:45	1.11E+01	12/11/06 09:10
07	RA-228	TRG	B-2 (3-6)	pCi/g	1.99E+00	8.06E-01	1.28E+00					11/13/06 15:47	5.95E+01	12/11/06 09:11
07	RA-226	TRG	B-2 (3-6)	pCi/g	2.22E+00	6.82E-01	6.28E-01					11/13/06 15:47	5.95E+01	12/11/06 09:11
07	K-40	TRG	B-2 (3-6)	pCi/g	2.89E+01	5.39E+00	3.30E+00					11/13/06 15:47	5.95E+01	12/11/06 09:11
07	PB-212	TRG	B-2 (3-6)	pCi/g	2.56E+00	7.22E-01	4.39E-01					11/13/06 15:47	5.95E+01	12/11/06 09:11
07	PB-214	TRG	B-2 (3-6)	pCi/g	1.55E+00	5.73E-01	6.51E-01					11/13/06 15:47	5.95E+01	12/11/06 09:11
07	TL-208	TRG	B-2 (3-6)	pCi/g	2.14E+00	7.41E-01	1.04E+00					11/13/06 15:47	5.95E+01	12/11/06 09:11
08	RA-228	TRG	B-3 (0-3)	pCi/g	2.19E+00	1.65E+00	2.76E+00					11/13/06 16:10	2.55E+01	12/11/06 09:39
08	RA-226	TRG	B-3 (0-3)	pCi/g	2.05E+00	9.33E-01	1.16E+00					11/13/06 16:10	2.55E+01	12/11/06 09:39
08	K-40	TRG	B-3 (0-3)	pCi/g	1.62E+01	6.67E+00	5.81E+00					11/13/06 16:10	2.55E+01	12/11/06 09:39
08	PB-212	TRG	B-3 (0-3)	pCi/g	4.11E+00	1.18E+00	7.87E-01					11/13/06 16:10	2.55E+01	12/11/06 09:39
08	PB-214	TRG	B-3 (0-3)	pCi/g	2.69E+00	1.05E+00	1.09E+00					11/13/06 16:10	2.55E+01	12/11/06 09:39
08	TL-208	TRG	B-3 (0-3)	pCi/g	2.84E+00	1.05E+00	1.72E+00					11/13/06 16:10	2.55E+01	12/11/06 09:39
09	RA-228	TRG	B-3 (3-6)	pCi/g	2.11E+00	8.81E-01	1.21E+00					11/13/06 16:15	2.74E+01	12/11/06 11:14
09	RA-226	TRG	B-3 (3-6)	pCi/g	1.35E+00	6.76E-01	6.12E-01					11/13/06 16:15	2.74E+01	12/11/06 11:14
09	K-40	TRG	B-3 (3-6)	pCi/g	1.60E+01	4.52E+00	3.51E+00					11/13/06 16:15	2.74E+01	12/11/06 11:14
09	PB-212	TRG	B-3 (3-6)	pCi/g	1.90E+00	4.24E-01	4.22E-01					11/13/06 16:15	2.74E+01	12/11/06 11:14
09	PB-214	TRG	B-3 (3-6)	pCi/g	1.17E+00	5.28E-01	4.86E-01					11/13/06 16:15	2.74E+01	12/11/06 11:14
10	RA-228	TRG	B-4 (0-3)	pCi/g	5.05E-01	2.67E+00	4.98E+00					11/13/06 16:20	1.42E+01	12/11/06 11:15
10	RA-226	TRG	B-4 (0-3)	pCi/g	9.72E-01	1.81E+00	3.29E+00					11/13/06 16:20	1.42E+01	12/11/06 11:15

Work Order: 06-11071-Gamma-1

Lab Fraction	Nuclide	Sample Desc	Client Identification	Activity Units	Results	Error Estimate	MDA	LSC Known	LCS %R	LCS Flag	RPD Flag	Sample Date	Sample Aliquot	Counting Date/Time
11	RA-228	TRG	B-4 (3-6)	pCi/g	2.90E+00	7.35E-01	8.83E-01					11/13/06 16:25	4.20E+01	12/11/06 11:39
11	RA-226	TRG	B-4 (3-6)	pCi/g	1.81E+00	4.86E-01	5.12E-01					11/13/06 16:25	4.20E+01	12/11/06 11:39
11	K-40	TRG	B-4 (3-6)	pCi/g	3.13E+01	4.56E+00	2.00E+00					11/13/06 16:25	4.20E+01	12/11/06 11:39
11	PB-212	TRG	B-4 (3-6)	pCi/g	3.14E+00	5.43E-01	3.55E-01					11/13/06 16:25	4.20E+01	12/11/06 11:39
11	PB-214	TRG	B-4 (3-6)	pCi/g	1.51E+00	4.47E-01	4.71E-01					11/13/06 16:25	4.20E+01	12/11/06 11:39
11	TL-208	TRG	B-4 (3-6)	pCi/g	2.46E+00	5.07E-01	7.09E-01					11/13/06 16:25	4.20E+01	12/11/06 11:39
12	RA-228	TRG	B-5 (0-6)	pCi/g	1.95E+00	1.00E+00	1.78E+00					11/13/06 12:10	4.25E+01	12/11/06 11:41
12	RA-226	TRG	B-5 (0-6)	pCi/g	2.66E+00	5.79E-01	6.53E-01					11/13/06 12:10	4.25E+01	12/11/06 11:41
12	K-40	TRG	B-5 (0-6)	pCi/g	2.11E+01	4.63E+00	2.88E+00					11/13/06 12:10	4.25E+01	12/11/06 11:41
12	PB-212	TRG	B-5 (0-6)	pCi/g	2.17E+00	5.47E-01	4.61E-01					11/13/06 12:10	4.25E+01	12/11/06 11:41
12	PB-214	TRG	B-5 (0-6)	pCi/g	2.95E+00	7.08E-01	6.05E-01					11/13/06 12:10	4.25E+01	12/11/06 11:41

CERTIFICATE OF CALIBRATION

Standard Radionuclide Source

QA/QC RECEIVED

68996-416

DATE 9/24/04 INITIALS Q-H

Sand in PP Delta Jar Half Filled

This standard radionuclide source was prepared using aliquots measured gravimetrically from master radionuclide solution sources. The Am-241 was calibrated by 4 pi alpha liquid scintillation counting. All other radionuclides were calibrated using a germanium gamma spectrometer system. Calibration and purity were checked using a germanium gamma spectrometer system. At the time of calibration no interfering gamma-ray emitting impurities were detected. The gamma-ray emission rates for the most intense gamma-ray lines are given. Analytix maintains traceability to the National Institute of Standards and Technology through a Measurements Assurance Program as described in USNRC Regulatory Guide 4.15, Rev. 1, February, 1979.

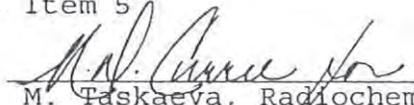
Calibration date: July 1, 2004 12:00 EST

ISOTOPE	GAMMA-RAY ENERGY	HALF-LIFE		GAMMA-RAYS PER SECOND	TOTAL UNCERTAINTY %
Am-241	59.5	432	y	2008	3.0
Cd-109	88	462.6	d	2815	3.3
Co-57	122	271.79	d	1474	3.0
Ce-139	166	137.6	d	2091	2.8
Hg-203	279	46.61	d	4802	2.7
Sn-113	392	115.1	d	2873	2.6
Cs-137	662	30.07	y	1848	3.0
Y-88	898	106.6	d	7191	2.6
Co-60	1173	5.2714	y	3640	2.7
Co-60	1332	5.2714	y	3665	2.6
Y-88	1836	106.6	d	7503	2.6

240 mL/384 grams of sand.

P O NUMBER 00001651, Item 5

SOURCE PREPARED BY:


 M. Taskaeva, Radiochemist

Q A APPROVED:

 9-20-04

This standard will expire one year after the calibration date.

Standard is retired from service as primary standard.
May be used as Laboratory Control Standard.

Aliquot Worksheet

Work Order		Run	Analysis Code	Rpt Units	Lab Deadline	Technician							
06-11071		1	Gamma	grams	12/13/2006	KSALLINGS							
Lab Fraction	Sherry Laboratories Client ID	Sample Type	Muffle Data		Dilution Data			Aliquot Data		MS Aliquot Data		H-3 Solids Only	
			Ratio Post/Pre	No of Dils	Dil Factor	Ratio	Aliquot	Net Equiv	Aliquot	Net Equiv	Water Added (ml)	H3 Dist Aliq	
01	LCS	LCS					1.00E+00	1.0000E+00	1.0000E+00				
02	BLANK	MBL					1.00E+00	1.0000E+00	1.0000E+00				
03	B-1 (0-3)	DUP						1.8750E+01	1.8750E+01				
04	B-1 (0-3)	DO						1.8750E+01	1.8750E+01				
05	B-1 (3-6)	TRG						1.4590E+01	1.4590E+01				
06	B-2 (0-3)	TRG						1.1070E+01	1.1070E+01				
07	B-2 (3-6)	TRG						5.9450E+01	5.9450E+01				
08	B-3 (0-3)	TRG						2.5480E+01	2.5480E+01				
09	B-3 (3-6)	TRG						2.7430E+01	2.7430E+01				
10	B-4 (0-3)	TRG						1.4190E+01	1.4190E+01				
11	B-4 (3-6)	TRG						4.1950E+01	4.1950E+01				
12	B-5 (0-6)	TRG						4.2540E+01	4.2540E+01				
Comments													

Technician: Kenny Sallings Date: 11/20/06

Rough Sample Preparation
 Log Book

Work Order		Date Received in Prep		Date Sealed		Date Returned		Technician	
06-11071		11/19/2006		11/20/2006		11/21/2006		KSALLINGS	

Eberline Fraction	Sherry Laboratories Client ID	Tare (g)		Gross (g)		Net (g)		Percent		Gamma		Special Info
		Pan Wt	Dry Wt	Wet Wt.	Dry Wt.	Wet Wt.	Dry Wt.	Liquid	Solid	Dry Wt.	LEPS Wt.	
04	B-1 (0-3')	14.1400	33.7700	130.4100	33.7700	116.2700	19.6300	83.12%	16.88%			
05	B-1 (3-6')	14.1000	29.1800	110.5800	29.1800	96.4800	15.0800	84.37%	15.63%			
06	B-2 (0-3')	14.0800	25.9500	98.1100	25.9500	84.0300	11.8700	85.87%	14.13%			
07	B-2 (3-6')	14.2700	73.3700	141.1300	73.3700	126.8600	59.1000	53.41%	46.59%			
08	B-3 (0-3')	14.3200	38.9900	142.6400	38.9900	128.3200	24.6700	80.77%	19.23%			
09	B-3 (3-6')	14.2300	41.4300	143.4200	41.4300	129.1900	27.2000	78.95%	21.05%			
10	B-4 (0-3')	14.3500	29.3100	123.8700	29.3100	109.5200	14.9600	86.34%	13.66%			
11	B-4 (3-6')	14.2900	56.7500	135.4900	56.7500	121.2000	42.4600	64.97%	35.03%			
12	B-5 (0-6')	14.2300	57.3800	137.9600	57.3800	123.7300	43.1500	65.13%	34.87%			

Comments
Special Codes
H: Hot, O: Organic Hazard, P: PCB Hazard, R: Rush, T: Other (see comments)

Sample ID : 0611071-01

Acquisition date : 11-DEC-2006 13:35:57

VAX/VMS Peak Search Report Generated 12-DEC-2006 08:35:37.68

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107101_GE3_GAS60_105404.CN
 Analyses by : PEAK V16.9 ENBACK V1.6 PEAKEFF V2.2
 Client ID : GAS-18
 Deposition Date :
 Sample Date : 1-JUL-2004 00:00:00. Acquisition date : 11-DEC-2006 13:35:57
 Sample ID : 0611071-01 Sample Quantity : 3.84000E+02 gram
 Sample type : SLUDGE Sample Geometry : 0
 Detector name : GE3 Detector Geometry: GAS-60
 Elapsed live time: 0 00:30:00.00 Elapsed real time: 0 00:30:56.20 3.0%
 Start channel : 5 End channel : 4096
 Sensitivity : 2.40000 Gaussian : 15.00000
 Critical level : Yes

Post-NID Peak Search Report

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
5	57.08	5189	38869	2.08	57.79	55	9	17.5	3.46E+01	
5	59.52	158161	18982	1.25	60.23	55	9	0.6		AM-241
0	68.62	1286	19831	2.63	69.32	67	7	36.7		
2	85.31*	696	11161	1.35	86.00	84	10	41.8	7.53E+00	NP-237
2	88.06*	65159	8049	1.20	88.75	84	10	0.9		SN-126 CD-109
0	98.22	244	7714	3.15	98.90	97		6114.3		
0	122.14	12806	9938	1.27	122.81	119	8	3.2		CO-57
0	136.53	1721	7733	1.34	137.19	134	7	17.6		CO-57
0	151.92	199	5256	4.29	152.57	151		5110.2		
0	165.93	1778	8036	1.77	166.57	163	8	18.1		CE-139
0	239.15*	296	4984	3.00	239.75	238	5	72.6		PB-212
0	256.42	173	4492	2.09	257.00	255		5117.4		SN-113
0	375.46	210	3870	3.39	375.97	374	6	94.6		
0	391.05	688	6637	1.89	391.54	386	10	45.0		SN-113
0	510.53*	228	3368	2.97	510.95	508	7	85.5		
0	661.75	42590	3406	1.57	662.07	657	9	1.1		CS-137
0	820.90	129	1828	1.45	821.12	819		5100.7		
0	898.12	342	3296	1.71	898.29	895	7	56.7		
0	1053.10	133	1996	3.58	1053.17	1051		6107.4		
0	1096.55	107	1654	2.95	1096.59	1095		5115.6		
0	1138.32	109	1479	3.90	1138.33	1135		7118.4		
0	1173.32*	38411	1987	2.14	1173.31	1168	11	1.1		CO-60
0	1332.59	34523	659	2.26	1332.48	1326	13	1.1		CO-60
0	1581.23	50	124	7.75	1580.96	1576	11	90.7		
0	1681.96	36	95	5.63	1681.62	1677		10109.0		
0	1694.18	30	55	3.75	1693.84	1691	6	87.2		
6	1759.65	20	38	3.62	1759.26	1757		11106.6	5.31E+00	
0	1836.26	271	105	2.87	1835.83	1829	14	20.1		
0	2040.13	40	78	4.68	2039.57	2033	11	92.9		
0	2136.30	40	73	2.72	2135.67	2130	13	95.2		
0	2152.29	42	92	5.65	2151.66	2145		19114.0		
0	2179.16	38	50	3.30	2178.51	2174	9	75.1		
0	2234.98	20	27	2.73	2234.29	2232	5	90.8		
0	2288.83	25	30	2.69	2288.10	2284	7	85.1		
0	2361.18	52	25	15.05	2360.41	2350	21	56.1		

AG
12/12/06



It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
0	2505.84	510	7	3.28	2504.98	2500	11	9.1		
0	2614.71*	20	0	1.54	2613.77	2609	10	46.4		

Total number of lines in spectrum 37
 Number of unidentified lines 19
 Number of lines tentatively identified by NID 18 48.65%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean		Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/gram	Decay Corr pCi/gram			
CO-57	270.90D	9.84	1.294E+01	1.273E+02	0.122E+02	9.59	
CD-109	464.00D	3.80	1.392E+03	5.289E+03	0.496E+03	9.38	
SN-113	115.10D	217.	1.991E+00	4.326E+02	1.925E+02	44.50	
SN-126	1.00E+05Y	1.00	1.399E+02	1.399E+02	0.101E+02	7.24	
CS-137	30.17Y	1.06	1.498E+02	1.585E+02	0.120E+02	7.57	
CE-139	137.66D	90.0	2.133E+00	1.919E+02	0.375E+02	19.54	
NP-237	2.14E+06Y	1.00	4.389E+00	4.389E+00	1.859E+00	42.36	
Total Activity :			1.703E+03	6.343E+03			

Nuclide Type : ACTIVATION

Nuclide	Hlife	Decay	Wtd Mean		Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/gram	Decay Corr pCi/gram			
CO-60	5.27Y	1.38	1.906E+02	2.630E+02	0.125E+02	4.77	
Total Activity :			1.906E+02	2.630E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean		Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/gram	Decay Corr pCi/gram			
PB-212	1.41E+10Y	1.00	8.088E-01	8.088E-01	5.898E-01	72.93	
AM-241	432.20Y	1.00	3.732E+02	3.747E+02	0.261E+02	6.96	
Total Activity :			3.740E+02	3.755E+02			

Grand Total Activity : 2.268E+03 6.982E+03

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
CO-57	122.06	85.51*	4.634E+00	1.264E+01	1.243E+02	10.87	OK
	136.48	10.60	4.449E+00	1.427E+01	1.404E+02	20.30	OK
Final Mean for 2 Valid Peaks = 1.273E+02+/- 1.221E+01 (9.59%)							
CD-109	88.03	3.72*	4.920E+00	1.392E+03	5.289E+03	9.38	OK
	Final Mean for 1 Valid Peaks = 5.289E+03+/- 4.960E+02 (9.38%)						
SN-113	255.12	1.93	3.049E+00	1.148E+01	2.495E+03	118.10	OK
	391.69	64.90*	2.126E+00	1.950E+00	4.238E+02	45.53	OK
Final Mean for 2 Valid Peaks = 4.326E+02+/- 1.925E+02 (44.50%)							
SN-126	87.57	37.00*	4.921E+00	1.399E+02	1.399E+02	7.24	OK
	Final Mean for 1 Valid Peaks = 1.399E+02+/- 1.014E+01 (7.24%)						
CS-137	661.65	85.12*	1.306E+00	1.498E+02	1.585E+02	7.57	OK
	Final Mean for 1 Valid Peaks = 1.585E+02+/- 1.200E+01 (7.57%)						
CE-139	165.85	80.35*	4.055E+00	2.133E+00	1.919E+02	19.54	OK
	Final Mean for 1 Valid Peaks = 1.919E+02+/- 3.750E+01 (19.54%)						
NP-237	86.50	12.60*	4.923E+00	4.389E+00	4.389E+00	42.36	OK
	Final Mean for 1 Valid Peaks = 4.389E+00+/- 1.859E+00 (42.36%)						

Nuclide Type: ACTIVATION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
CO-60	1173.22	100.00*	7.850E-01	1.913E+02	2.639E+02	7.73	OK
	1332.49	100.00	7.098E-01	1.902E+02	2.624E+02	6.06	OK
Final Mean for 2 Valid Peaks = 2.630E+02+/- 1.255E+01 (4.77%)							

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
PB-212	238.63	44.60*	3.206E+00	8.088E-01	8.088E-01	72.93	OK
	300.09	3.41	2.678E+00	-----	Line Not Found	-----	Absent
Final Mean for 1 Valid Peaks = 8.088E-01+/- 5.898E-01 (72.93%)							

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
AM-241	59.54	35.90*	4.616E+00	3.732E+02	3.747E+02	6.96	OK

Final Mean for 1 Valid Peaks = 3.747E+02 +/- 2.606E+01 (6.96%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/gram)	Act error	MDA (pCi/gram)	MDA error	Act/MDA
CO-57	1.273E+02	1.221E+01	3.262E+00	3.322E-01	39.020
CO-60	2.630E+02	1.255E+01	1.091E+00	8.054E-02	241.025
CD-109	5.289E+03	4.960E+02	3.530E+01	3.219E+00	149.840
SN-113	4.326E+02	1.925E+02	1.679E+02	1.154E+01	2.577
SN-126	1.399E+02	1.014E+01	9.336E-01	6.448E-02	149.880
CS-137	1.585E+02	1.200E+01	8.000E-01	5.778E-02	198.088
CE-139	1.919E+02	3.750E+01	3.345E+01	2.355E+00	5.737
PB-212	8.088E-01	5.898E-01	8.678E-01	5.608E-02	0.932
NP-237	4.389E+00	1.859E+00	2.739E+00	1.884E-01	1.602
AM-241	3.747E+02	2.606E+01	1.540E+00	1.022E-01	243.275

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
NA-22	-1.164E-01		5.229E-01	8.658E-01	5.472E-02	-0.134
AL-26	-2.347E-02		1.716E-01	2.862E-01	1.657E-02	-0.082
K-40	1.125E+00		1.796E+00	3.156E+00	1.926E-01	0.357
MN-54	1.747E+00		3.584E+00	6.059E+00	3.741E-01	0.288
ZN-65	8.029E+00		1.523E+01	2.537E+01	1.779E+00	0.317
SE-75	-4.286E+01		7.317E+01	1.158E+02	7.161E+00	-0.370
KR-85	4.562E+01		9.792E+01	1.527E+02	1.026E+01	0.299
NB-93M	0.000E+00		0.000E+00	1.358E-01	4.475E-02	0.000
NB-94	-5.501E-02		5.331E-01	8.916E-01	5.173E-02	-0.062
RU-106	2.131E+01		1.955E+01	3.355E+01	4.193E+00	0.635
AG-108M	-6.241E-01		4.424E-01	7.294E-01	5.080E-02	-0.856
AG-110M	1.066E+02		1.041E+01	1.248E+01	8.985E-01	8.535
TE123M	2.091E+01		4.738E+01	6.289E+01	4.769E+00	0.332
SB-125	1.992E-01		2.006E+00	3.474E+00	2.308E-01	0.057
I-129	0.000E+00		0.000E+00	7.093E-03	8.291E-04	0.000
BA-133	-2.555E-01		5.775E-01	9.027E-01	1.051E-01	-0.283
CS-134	-3.098E-01		8.019E-01	1.362E+00	9.699E-02	-0.227
CS-135	1.823E-01		1.565E+00	2.497E+00	1.501E-01	0.073
CE-144	4.382E+00		1.557E+01	2.357E+01	2.208E+00	0.186
PM-144	-1.208E-01		2.060E+00	3.495E+00	5.224E-01	-0.035
PM-145	0.000E+00		0.000E+00	1.608E-02	1.050E-02	0.000
PM-146	7.011E-02		1.190E+00	2.055E+00	1.311E-01	0.034
EU-152	3.934E-01		1.447E+00	2.485E+00	2.187E-01	0.158
GD-153	-2.110E+00		1.067E+01	1.620E+01	1.332E+00	-0.130
EU-154	-2.152E-01		9.298E-01	1.539E+00	9.729E-02	-0.140
EU-155	2.519E+00	+	1.067E+00	4.148E+00	2.853E-01	0.607
HO-166M	-2.757E-01		7.101E-01	1.197E+00	8.400E-02	-0.230
BI-207	-1.696E-01		3.530E-01	6.003E-01	4.185E-02	-0.283
TL-208	3.708E-01		1.101E+00	1.894E+00	1.329E-01	0.196
BI-210M	4.622E-01		5.879E-01	8.728E-01	5.342E-02	0.529
PB-210	-3.228E+02		2.618E+01	6.976E+00	5.271E-01	-46.276
PB-211	2.222E+00		1.026E+01	1.783E+01	1.070E+00	0.125
BI-212	1.817E+00		3.356E+00	5.729E+00	3.978E-01	0.317

---- Non-Identified Nuclides ----

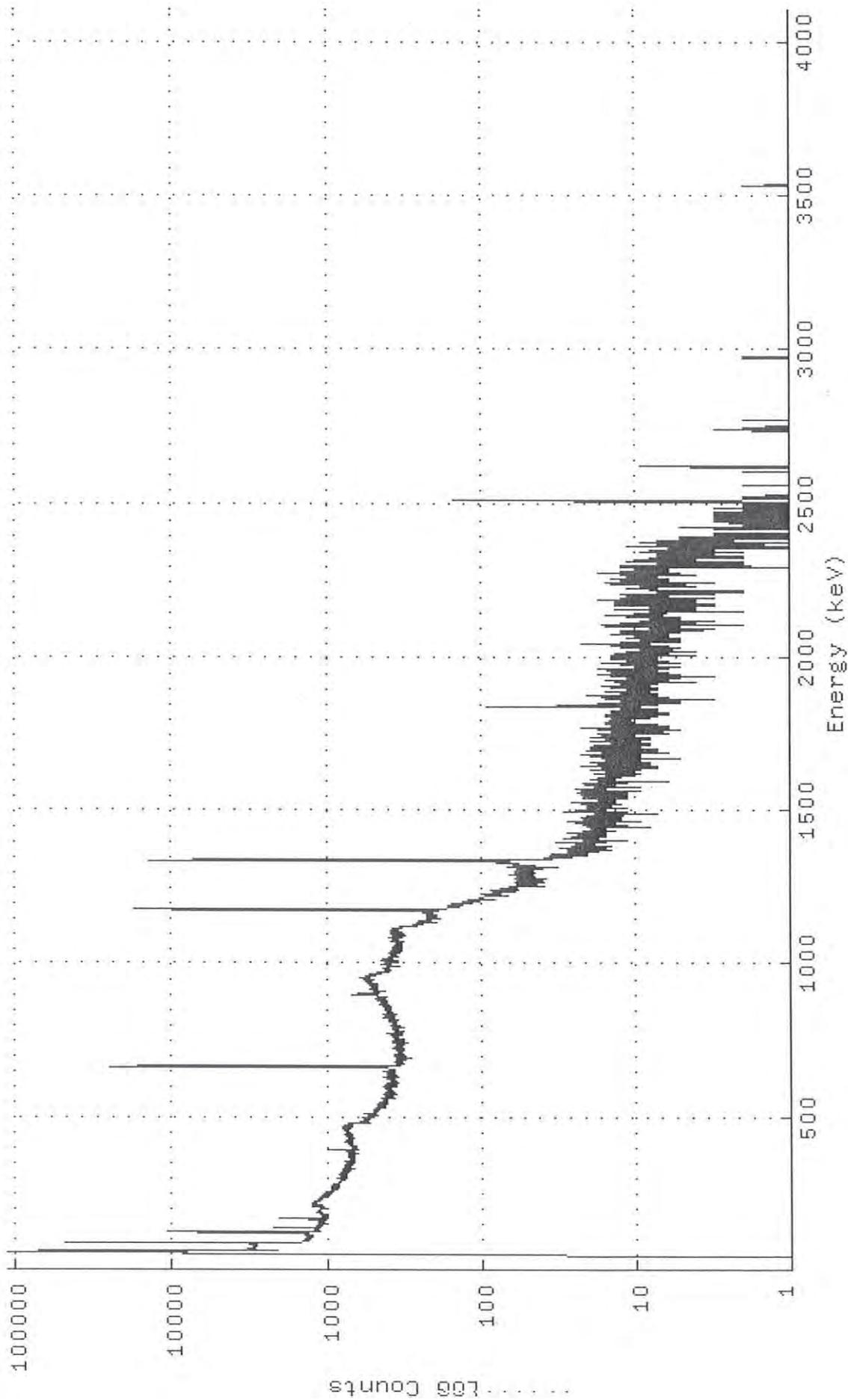
Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
BI-214	-3.544E-01		7.521E-01	1.277E+00	9.059E-02	-0.278
PB-214	5.566E-01		7.862E-01	1.251E+00	7.455E-02	0.445
RN-219	-2.727E+00		4.994E+00	7.756E+00	4.634E-01	-0.352
RA-223	-1.671E+00		7.102E+00	1.120E+01	6.647E-01	-0.149
RA-224	4.495E+00		6.717E+00	9.985E+00	6.423E-01	0.450
RA-226	2.498E+00		7.856E+00	1.037E+01	1.898E+01	0.241
TH-227	-4.602E-02		2.305E+00	3.400E+00	2.208E-01	-0.014
AC-228	-1.448E+00		2.167E+00	3.583E+00	2.004E-01	-0.404
TH-230	1.918E+01		2.515E+00	3.511E+00	2.689E-01	5.463
PA-231	2.089E+00		1.157E+01	1.839E+01	1.083E+00	0.114
TH-231	0.000E+00		0.000E+00	3.398E-02	4.907E-03	0.000
PA-234	2.263E-01		9.149E-01	1.386E+00	1.320E-01	0.163
PA-234M	-1.615E+01		6.498E+01	1.076E+02	6.679E+00	-0.150
TH-234	-3.192E+01		7.685E+00	9.503E+00	6.268E-01	-3.360
U-235	1.648E+00		1.828E+00	2.750E+00	4.820E-01	0.599

Nuclide	Half-life	Half-Life		Energy	%Abund	Activity 2-Sigma		Rejected by	
		Ratio				(pCi/gram)	%Error		
SE-75	119.78D	7.46		121.11	16.70	1.137E+04	12.92	Abun.	
				136.00	59.20	4.492E+02	21.72		
				264.65*	59.80	---	Not Found		---
				279.53	25.20	---	Not Found		---
				400.65	11.40	---	Not Found		---
% Abundances Found =			44.05						
Y-88	106.60D	8.38		898.02	93.40	4.841E+02	57.04	Decay	
				1836.01*	99.38	6.253E+02	21.04		
			% Abundances Found =			100.00			
CS-136	13.16D	67.90		153.22	7.46	6.811E+20	112.60	Decay, Abun.	
				163.89	4.61	---	Not Found		---
				176.55	13.56	---	Not Found		---
				273.65	12.66	---	Not Found		---
				340.57	48.50	---	Not Found		---
				818.50	99.70	---	Not Found		---
				1048.07*	79.60	---	Not Found		---
				1235.34	19.70	---	Not Found		---
% Abundances Found =			2.61						
CE-143	33.00H	649.87		57.36	11.80	1.000E+41	18.88	Decay, Abun.	
				293.26*	42.00	---	Not Found		---
				664.55	5.20	---	Not Found		---
% Abundances Found =			20.00						
EU-152	13.60Y	0.18		121.78	20.50	5.966E+01	12.77	Abun.	
				244.69	5.40	---	Not Found		---
				344.27	19.13	---	Not Found		---
				778.89	9.20	---	Not Found		---
				964.01	10.40	---	Not Found		---
				1085.78	7.22	---	Not Found		---
				1407.95*	14.94	---	Not Found		---
% Abundances Found =			21.27						
GD-153	241.60D	3.70		97.43	31.30	8.125E+00	114.62	Abun.	
				103.18*	22.20	---	Not Found		---
% Abundances Found =			58.50						
EU-154	8.80Y	0.28		123.07	40.50	3.244E+01	10.75	Abun.	
				723.30	19.70	---	Not Found		---
				873.19	11.50	---	Not Found		---
				996.32	10.30	---	Not Found		---
				1004.76	17.90	---	Not Found		---
				1274.45*	35.50	---	Not Found		---
% Abundances Found =			29.91						
EU-155	4.96Y	0.49		86.50*	30.90	2.519E+00	42.36	Abun.	
				105.30	20.70	---	Not Found		---
% Abundances Found =			59.88						

Nuclide	Half-life	Half-Life		Energy	%Abund	Activity 2-Sigma		Rejected by	
		Ratio				(pCi/gram)	%Error		
TL-208	1.41E+10Y	0.00		583.14*	30.22	---	Not Found	---	Abun.
				860.37	4.48	---	Not Found	---	
				2614.66	35.85	4.625E-01	46.98		
% Abundances			Found =	50.82					
TH-227	3.28E+04Y	0.00		50.10	8.40	---	Not Found	---	Abun.
				236.00*	11.50	---	Not Found	---	
				256.20	6.30	3.530E+00	117.61		
% Abundances			Found =	24.05					
TH-231	7.04E+08Y	0.00		25.64*	14.70	---	Not Found	---	Abun.
				84.21	6.40	8.639E+00	42.35		
			% Abundances			Found =	30.33		

Flag: "*" = Keyline

Spectrum : DKA100: [GAMMA.SCUSR.ARCHIVE]SMP_061107101-GE3_GAS60_105404.CNF;1
 Title :
 Sample Title: GAS-18
 Start Time: 11-DEC-2006 13:35 Sample Time: 1-JUL-2004 00:00: Energy Offset: -7.48504E-01
 Real Time : 0 00:30:56.20 Sample ID : 0611071-01 Energy Slope : 1.00064E+00
 Live Time : 0 00:30:00.00 Sample Type: SLUDGE Energy Quad : 0.00000E+00



Channel

1:	0	0	0	0	0	0	0	0
9:	0	0	0	0	0	0	0	0
17:	0	0	0	0	0	0	0	0
25:	0	0	0	0	0	0	0	0
33:	0	0	0	0	0	0	0	0
41:	0	0	0	0	0	0	6	129
49:	5102	8349	8302	7818	7680	7805	7811	8069
57:	8736	9106	15498	112800	43257	2190	2035	2181
65:	2215	2634	2964	3151	3173	2974	2932	2970
73:	2953	2763	2832	2753	2886	2936	2748	2793
81:	2809	2939	2877	2978	3148	3252	3130	19549
89:	47030	4012	1424	1422	1397	1365	1353	1288
97:	1275	1364	1370	1378	1324	1247	1330	1331
105:	1293	1225	1265	1327	1288	1325	1335	1311
113:	1368	1223	1350	1359	1279	1371	1315	1321
121:	1372	4232	10407	1809	1130	1158	1160	1086
129:	1170	1165	1165	1123	1145	1129	1178	1279
137:	2147	1438	1186	1097	1064	1069	1110	1142
145:	1080	1064	1056	1100	990	1014	1098	1128
153:	1069	1097	1063	1033	1084	1060	1109	1051
161:	1013	1030	1031	1068	1000	1696	1979	1064
169:	1009	967	1002	959	970	998	1005	1055
177:	961	1000	1012	1041	984	1011	1076	1065
185:	1071	1058	1163	1153	1136	1103	1133	1101
193:	1114	1134	1123	1112	1045	1060	1082	1097
201:	991	1099	1114	1065	1044	1060	1050	1031
209:	1204	1108	1129	1070	1202	1143	1183	1179
217:	1200	1162	1196	1145	1228	1161	1144	1173
225:	1111	1083	1134	1077	1108	1081	1085	1093
233:	1053	1096	1055	1038	969	1052	1100	1073
241:	1044	1019	957	943	1024	983	913	960
249:	1022	929	921	938	888	932	898	947
257:	996	961	863	912	854	898	856	886
265:	911	814	857	827	918	885	884	827
273:	850	868	918	831	879	839	843	886
281:	823	825	835	795	809	822	796	802
289:	795	749	747	796	803	807	768	768
297:	773	735	795	783	840	807	779	752
305:	790	741	769	782	729	774	830	771
313:	733	760	770	800	718	750	721	709
321:	768	708	766	745	728	720	696	774
329:	718	764	656	721	769	697	742	735
337:	709	702	731	709	690	763	677	694
345:	701	693	699	696	704	657	739	722
353:	756	688	706	662	694	700	682	662
361:	681	677	687	696	667	676	694	713
369:	657	684	680	719	651	669	708	714
377:	700	668	621	648	715	673	650	716
385:	660	682	735	713	676	618	707	973
393:	869	718	634	681	652	649	654	643
401:	634	660	635	668	689	686	689	654
409:	672	721	677	678	691	687	722	754
417:	674	675	674	692	671	696	704	711
425:	697	727	661	671	712	688	692	648

433:	663	695	676	718	669	740	666	721
441:	736	679	733	758	734	724	699	708
449:	732	722	686	742	740	720	717	735
457:	753	732	772	736	737	760	694	750
465:	713	717	765	743	672	757	709	673
473:	710	706	745	727	689	654	671	644
481:	604	517	594	553	558	573	559	529
489:	523	534	535	549	574	525	529	583
497:	514	493	524	523	545	509	510	529
505:	467	487	481	479	517	540	570	533
513:	511	484	480	495	472	462	490	497
521:	446	465	489	451	472	462	478	466
529:	418	451	469	423	446	454	461	462
537:	418	457	413	400	418	465	415	419
545:	407	419	418	436	446	411	409	411
553:	411	424	408	402	406	440	359	381
561:	375	393	397	390	383	417	389	374
569:	388	412	388	387	350	428	401	378
577:	385	410	369	382	362	370	402	408
585:	393	395	374	370	382	379	399	413
593:	384	385	376	432	374	351	389	372
601:	367	373	350	382	416	386	356	340
609:	404	396	382	382	386	386	367	372
617:	378	349	384	391	382	408	403	372
625:	364	371	342	371	373	380	422	386
633:	389	392	346	366	394	405	362	382
641:	381	377	377	384	372	424	359	396
649:	363	393	396	385	363	386	398	381
657:	412	410	426	719	7655	24671	10579	792
665:	332	380	341	388	348	343	334	352
673:	321	329	314	330	332	365	323	345
681:	347	322	351	320	337	319	308	328
689:	315	329	352	325	279	363	302	344
697:	322	327	322	339	323	329	362	317
705:	334	324	339	337	325	338	338	321
713:	332	309	339	345	343	330	372	335
721:	310	321	323	328	329	321	359	363
729:	350	333	346	333	336	325	340	354
737:	316	367	340	299	336	310	348	376
745:	314	357	351	315	314	336	337	360
753:	314	323	330	346	346	341	355	354
761:	366	350	372	326	342	329	352	358
769:	403	332	372	326	343	359	354	343
777:	351	353	313	356	337	346	351	342
785:	344	367	367	322	371	366	309	340
793:	354	381	354	327	330	345	375	358
801:	356	361	352	365	356	389	374	365
809:	366	393	354	382	391	352	384	389
817:	359	337	368	390	392	428	379	370
825:	405	360	385	395	373	416	353	393
833:	378	429	380	409	385	397	388	405
841:	374	396	381	398	381	403	385	411
849:	396	410	399	379	393	410	394	393
857:	410	406	423	417	385	450	394	430
865:	402	400	414	426	402	430	416	405
873:	399	435	432	424	425	427	460	401
881:	411	477	438	461	443	427	446	431
889:	402	462	447	445	494	483	461	479
897:	500	672	589	468	469	471	500	454
905:	499	458	472	475	477	421	485	506

913:	460	464	464	497	526	502	463	488
921:	493	513	466	482	480	520	470	515
929:	478	484	470	512	508	470	504	534
937:	510	551	507	515	520	505	525	570
945:	514	495	538	511	596	552	542	539
953:	555	517	535	506	538	545	537	515
961:	483	515	497	476	484	478	439	445
969:	457	437	429	464	395	400	413	410
977:	394	417	385	426	402	392	388	400
985:	389	384	380	370	366	333	405	383
993:	383	381	386	434	388	384	412	391
1001:	395	357	406	345	409	345	390	343
1009:	440	382	373	393	401	414	368	428
1017:	364	362	361	389	344	386	369	369
1025:	351	359	369	380	352	348	376	390
1033:	357	378	332	360	326	355	335	371
1041:	378	364	357	341	355	346	350	325
1049:	360	326	334	371	366	372	357	329
1057:	340	352	335	318	341	324	355	335
1065:	342	337	374	381	313	365	377	386
1073:	365	341	348	367	354	352	338	395
1081:	382	337	373	324	356	360	373	331
1089:	345	373	306	380	345	316	348	366
1097:	351	378	318	342	346	342	360	363
1105:	349	379	365	345	352	362	367	330
1113:	320	357	350	339	319	316	310	316
1121:	258	277	265	259	244	251	237	244
1129:	236	240	258	222	217	224	194	233
1137:	233	246	243	226	213	213	219	183
1145:	222	181	203	217	193	202	221	208
1153:	197	217	197	221	206	219	195	220
1161:	236	205	210	219	220	215	208	187
1169:	221	252	752	5465	16848	13499	2544	271
1177:	185	174	156	142	139	144	159	155
1185:	152	154	152	148	130	161	147	145
1193:	147	133	148	138	114	108	129	102
1201:	114	121	101	116	80	118	109	91
1209:	96	97	102	97	94	95	98	88
1217:	86	93	71	91	66	87	83	92
1225:	76	98	74	80	82	79	78	59
1233:	64	74	73	74	69	64	85	56
1241:	69	57	58	63	58	73	58	57
1249:	64	47	37	46	50	48	57	58
1257:	45	52	42	59	48	52	59	39
1265:	37	52	38	52	57	44	50	53
1273:	38	50	36	55	59	55	45	54
1281:	51	48	43	47	58	65	53	45
1289:	51	54	59	43	45	59	54	50
1297:	47	49	59	48	57	49	38	45
1305:	46	47	55	42	58	54	66	57
1313:	55	50	31	58	50	56	60	54
1321:	57	61	56	61	64	64	78	65
1329:	116	490	3799	13139	13377	3645	297	40
1337:	35	37	38	33	37	32	29	25
1345:	27	25	34	30	27	27	20	30
1353:	25	33	31	20	28	29	24	17
1361:	27	20	23	25	21	27	17	26
1369:	18	14	16	19	30	15	15	18
1377:	20	15	25	23	14	23	17	21
1385:	22	18	23	24	21	15	25	24

1393:	32	22	27	20	18	20	18	21
1401:	13	11	28	22	24	23	17	24
1409:	20	15	25	15	24	17	15	18
1417:	23	19	18	16	21	27	20	17
1425:	15	18	19	19	13	17	19	14
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1449:	14	21	19	13	16	13	21	22
1457:	22	24	19	20	27	26	9	18
1465:	20	13	15	21	13	12	20	22
1473:	14	12	22	20	12	20	15	12
1481:	15	18	19	7	15	11	16	14
1489:	18	11	24	18	16	28	21	24
1497:	20	16	17	15	20	18	20	11
1505:	14	16	19	17	20	14	16	17
1513:	14	17	13	18	12	22	15	14
1521:	16	13	17	25	17	15	15	13
1529:	17	16	13	13	19	15	14	21
1537:	11	18	21	11	14	14	20	14
1545:	13	20	22	11	14	15	14	23
1553:	20	15	19	23	11	14	22	18
1561:	9	19	16	15	17	24	23	17
1569:	15	20	15	10	18	16	9	13
1577:	18	13	16	17	13	20	21	18
1585:	13	12	11	11	17	14	6	10
1593:	12	16	13	17	19	19	13	18
1601:	18	12	15	17	17	13	14	10
1609:	15	15	13	11	11	12	14	18
1617:	15	9	15	10	11	15	14	14
1625:	10	10	11	12	9	19	18	11
1633:	14	16	14	9	7	11	14	18
1641:	7	22	17	11	8	14	16	17
1649:	13	9	13	8	12	13	19	11
1657:	8	14	13	13	9	15	13	8
1665:	13	5	16	14	10	12	13	14
1673:	12	19	9	13	9	10	22	18
1681:	17	11	12	16	10	6	11	10
1689:	14	12	7	20	16	16	19	7
1697:	11	11	8	9	15	19	12	14
1705:	9	11	15	18	9	12	11	8
1713:	9	14	13	9	12	10	8	19
1721:	9	10	12	11	11	10	12	8
1729:	15	11	13	13	13	12	8	13
1737:	19	11	13	14	14	16	16	12
1745:	8	17	11	8	15	6	12	11
1753:	10	14	11	8	5	15	17	6
1761:	14	14	13	22	8	12	6	16
1769:	12	13	6	7	10	13	11	14
1777:	11	15	7	11	13	10	11	11
1785:	14	15	15	14	12	11	13	12
1793:	13	8	12	9	14	10	13	10
1801:	12	10	11	7	11	15	6	10
1809:	7	15	7	12	13	9	14	11
1817:	8	6	11	8	7	8	14	9
1825:	12	10	9	8	7	9	11	9
1833:	14	28	88	91	62	15	11	12
1841:	12	7	8	17	5	12	14	12
1849:	10	11	8	10	5	12	10	14
1857:	15	3	13	9	12	9	6	7
1865:	16	8	15	7	7	12	16	9

1873:	20	13	10	7	7	12	10	11
1881:	13	12	13	15	10	8	9	10
1889:	11	7	7	8	9	7	10	13
1897:	9	9	14	10	8	9	9	11
1905:	16	9	8	9	9	7	9	11
1913:	7	13	4	8	11	8	14	12
1921:	12	14	6	15	6	5	11	6
1929:	11	9	12	11	3	8	14	7
1937:	10	5	10	17	11	11	10	11
1945:	10	8	6	14	14	7	7	9
1953:	10	8	13	17	8	14	6	9
1961:	14	5	8	10	9	10	9	7
1969:	7	10	7	10	12	5	12	5
1977:	10	9	16	12	6	6	6	8
1985:	11	8	8	11	12	11	7	14
1993:	14	7	8	9	8	12	13	7
2001:	7	14	6	4	9	6	9	11
2009:	11	13	11	4	8	7	9	11
2017:	9	9	9	6	8	8	6	5
2025:	12	8	8	12	8	6	14	8
2033:	10	6	7	7	22	13	14	8
2041:	14	11	6	5	12	8	8	6
2049:	5	6	6	6	9	5	5	5
2057:	6	11	8	9	8	6	9	8
2065:	10	6	8	10	8	9	12	6
2073:	14	6	12	12	5	8	10	11
2081:	12	8	5	9	4	3	8	7
2089:	4	6	7	5	5	11	6	15
2097:	12	7	7	16	8	2	9	5
2105:	8	7	8	4	12	10	7	6
2113:	9	3	6	7	7	6	6	8
2121:	7	5	5	6	11	10	7	9
2129:	5	8	7	11	10	15	8	10
2137:	7	8	8	8	9	4	6	4
2145:	2	7	7	9	13	4	9	8
2153:	10	8	6	6	4	6	7	8
2161:	7	7	6	7	3	13	13	5
2169:	4	10	8	3	7	4	11	10
2177:	10	13	9	17	9	4	7	5
2185:	9	8	3	7	6	12	9	10
2193:	8	7	6	11	9	9	3	5
2201:	12	6	6	2	5	4	7	7
2209:	4	2	2	6	7	8	3	7
2217:	8	7	9	11	7	7	9	6
2225:	7	7	5	4	5	8	10	7
2233:	14	8	15	3	4	9	9	10
2241:	11	8	6	12	12	6	6	12
2249:	8	6	14	10	6	8	7	11
2257:	8	11	9	8	11	5	9	4
2265:	12	9	7	5	17	11	9	9
2273:	10	8	8	9	12	6	9	10
2281:	7	9	6	9	4	7	11	12
2289:	11	1	3	12	9	6	7	8
2297:	5	7	2	4	7	4	4	4
2305:	8	3	11	2	3	10	9	6
2313:	6	4	8	2	7	7	4	7
2321:	8	4	6	7	4	5	2	6
2329:	3	4	6	6	7	5	9	2
2337:	3	5	5	4	3	5	8	3
2345:	4	4	4	6	3	1	5	4

2353:	3	11	3	4	4	2	1	2
2361:	6	3	2	7	3	2	3	9
2369:	1	1	0	5	3	3	4	3
2377:	7	1	3	5	3	3	4	4
2385:	5	2	1	4	1	3	2	3
2393:	3	1	1	3	3	3	2	2
2401:	2	0	1	1	0	1	1	0
2409:	1	1	3	1	1	3	3	2
2417:	4	0	5	1	0	1	0	0
2425:	2	1	0	2	2	2	0	0
2433:	2	3	1	3	0	0	0	3
2441:	3	0	1	1	2	3	3	1
2449:	2	1	2	2	2	2	0	3
2457:	0	1	1	3	2	0	1	0
2465:	1	3	1	0	2	1	3	1
2473:	1	1	2	0	1	1	1	3
2481:	0	0	2	0	1	1	0	2
2489:	1	1	0	0	1	2	1	1
2497:	3	1	3	0	2	11	51	125
2505:	152	123	48	4	1	0	0	1
2513:	1	0	2	0	1	1	1	2
2521:	1	0	0	0	0	0	0	0
2529:	0	0	0	0	0	0	0	0
2537:	1	0	0	1	0	0	0	0
2545:	0	0	0	0	0	0	0	0
2553:	0	0	2	1	0	0	1	0
2561:	0	0	0	1	0	0	0	1
2569:	0	0	0	0	0	1	0	0
2577:	0	0	0	0	0	0	0	0
2585:	0	0	0	0	0	0	0	1
2593:	0	0	0	0	2	0	0	0
2601:	0	0	0	0	1	1	0	0
2609:	0	1	0	4	2	9	4	1
2617:	1	0	0	0	0	0	0	0
2625:	0	1	0	0	1	0	0	0
2633:	1	0	1	0	0	0	0	0
2641:	0	0	0	0	0	0	0	0
2649:	1	0	0	0	0	0	0	0
2657:	0	0	0	0	0	1	0	0
2665:	0	0	0	0	0	0	0	0
2673:	1	0	0	0	0	0	0	0
2681:	0	0	0	0	0	0	0	0
2689:	0	0	0	0	0	0	0	0
2697:	0	0	0	1	0	0	0	0
2705:	1	0	0	0	0	0	0	0
2713:	0	0	1	0	0	0	0	0
2721:	1	0	0	0	0	1	0	0
2729:	0	0	1	1	3	0	2	0
2737:	0	0	0	0	1	0	0	2
2745:	0	0	0	0	0	0	0	0
2753:	0	0	0	0	0	0	0	0
2761:	0	0	0	1	2	0	0	0
2769:	0	0	0	1	1	1	1	0
2777:	1	0	0	1	1	1	0	1
2785:	0	1	0	0	0	0	0	0
2793:	0	0	0	1	0	0	0	0
2801:	0	0	0	0	0	1	0	0
2809:	0	0	0	0	0	0	0	0
2817:	1	0	0	0	0	0	0	0
2825:	0	0	0	0	0	0	0	0

2833:	0	0	0	0	0	0	0	0
2841:	1	0	0	0	0	0	0	0
2849:	0	0	0	0	0	0	0	0
2857:	0	0	0	0	0	0	0	0
2865:	0	0	0	0	0	0	1	0
2873:	0	0	0	0	0	0	0	0
2881:	0	0	0	0	0	0	0	0
2889:	0	0	0	0	1	0	0	0
2897:	0	1	0	0	0	0	0	0
2905:	0	0	0	0	0	0	0	1
2913:	0	0	0	0	0	1	0	0
2921:	0	0	0	1	0	0	0	1
2929:	0	0	0	0	0	0	0	0
2937:	0	0	0	0	1	0	0	0
2945:	0	0	0	0	0	0	0	0
2953:	0	1	0	0	0	0	0	0
2961:	0	0	0	0	0	0	0	2
2969:	0	2	0	0	0	0	0	0
2977:	0	0	0	0	0	1	0	0
2985:	1	0	1	0	0	0	0	0
2993:	1	0	0	0	0	1	0	0
3001:	0	1	0	0	0	0	0	0
3009:	0	0	1	0	0	0	0	0
3017:	0	1	0	0	0	0	0	0
3025:	0	0	0	0	0	0	0	0
3033:	0	0	0	0	0	0	0	0
3041:	0	0	0	0	0	0	0	0
3049:	0	0	0	0	0	0	0	0
3057:	0	0	0	1	0	0	0	1
3065:	0	0	0	1	0	0	0	0
3073:	0	0	0	0	0	0	0	1
3081:	0	0	0	0	0	0	0	0
3089:	0	0	0	0	0	0	0	0
3097:	0	0	0	0	0	0	0	0
3105:	0	0	0	0	0	1	0	0
3113:	0	0	0	0	0	0	0	0
3121:	0	0	0	0	0	0	0	0
3129:	0	0	0	1	0	0	0	0
3137:	0	0	0	0	0	0	0	0
3145:	0	0	0	0	0	0	0	0
3153:	0	0	0	0	0	1	0	0
3161:	0	0	0	0	0	0	0	0
3169:	0	0	0	0	0	0	0	0
3177:	0	0	0	0	0	0	0	0
3185:	0	0	0	0	0	0	0	0
3193:	0	0	0	0	0	0	1	0
3201:	0	0	0	0	0	0	0	0
3209:	0	0	0	0	0	0	0	0
3217:	0	1	0	0	0	0	0	0
3225:	0	0	0	0	1	0	0	0
3233:	0	0	0	1	0	0	0	0
3241:	0	1	0	0	0	0	0	0
3249:	0	0	0	0	0	0	0	0
3257:	0	0	0	0	0	0	0	0
3265:	0	0	0	0	0	0	1	0
3273:	0	0	0	0	0	0	0	0
3281:	0	0	0	0	0	0	0	0
3289:	0	0	0	1	0	0	0	0
3297:	0	0	0	0	0	0	0	0
3305:	0	1	0	0	1	0	0	0

3313:	0	0	0	0	0	0	0	0
3321:	0	0	0	0	0	0	0	0
3329:	0	0	0	1	0	1	1	0
3337:	0	0	0	0	0	0	0	0
3345:	0	0	0	0	0	0	0	0
3353:	0	0	0	0	0	0	0	0
3361:	0	0	0	0	0	0	0	0
3369:	0	0	0	0	1	0	0	0
3377:	0	0	0	0	0	0	0	0
3385:	0	0	0	0	0	0	0	0
3393:	0	0	0	0	0	0	0	0
3401:	0	0	0	0	0	0	0	1
3409:	0	0	0	0	0	0	0	0
3417:	0	0	0	0	0	0	1	0
3425:	0	0	0	0	0	0	0	0
3433:	0	0	0	0	0	0	0	1
3441:	0	0	0	0	0	1	0	0
3449:	0	0	0	0	0	0	0	0
3457:	0	0	0	0	0	0	1	0
3465:	0	0	0	0	0	0	0	0
3473:	0	0	0	1	1	0	0	0
3481:	0	0	0	0	0	0	0	0
3489:	0	0	0	0	0	0	0	0
3497:	0	0	0	0	0	0	0	1
3505:	0	1	0	0	1	0	0	0
3513:	0	0	0	0	1	0	0	0
3521:	1	0	0	0	2	0	2	1
3529:	0	0	0	0	0	0	0	0
3537:	0	0	0	0	0	0	0	0
3545:	0	0	0	0	0	0	0	0
3553:	0	0	0	0	0	0	0	0
3561:	0	0	0	0	0	0	0	0
3569:	0	0	0	0	0	0	0	0
3577:	0	0	0	0	0	0	0	0
3585:	0	1	0	0	0	0	0	0
3593:	0	0	0	0	0	1	0	0
3601:	0	0	1	0	0	0	0	0
3609:	0	0	0	0	0	0	0	0
3617:	0	0	0	0	0	0	0	0
3625:	0	0	0	0	0	0	0	0
3633:	0	0	0	0	0	0	0	0
3641:	0	0	0	0	0	0	0	0
3649:	0	0	0	1	0	0	0	0
3657:	0	0	0	0	0	0	0	0
3665:	0	0	1	0	0	1	0	1
3673:	0	0	1	0	1	0	0	0
3681:	0	0	0	0	0	0	0	0
3689:	0	0	0	0	0	0	0	0
3697:	0	0	0	0	0	0	0	0
3705:	0	0	0	0	0	0	0	0
3713:	0	0	0	0	0	0	0	0
3721:	0	0	0	0	0	0	0	0
3729:	0	0	0	0	0	0	0	1
3737:	0	0	0	0	0	0	0	0
3745:	0	0	0	0	0	0	0	0
3753:	1	1	0	0	0	1	0	0
3761:	0	1	0	0	0	1	0	0
3769:	0	0	0	0	0	0	0	0
3777:	0	0	0	0	0	1	0	0
3785:	0	0	0	0	0	0	0	0

3793:	0	0	1	0	0	0	0	0
3801:	0	0	0	0	0	0	0	0
3809:	0	0	0	0	0	0	1	0
3817:	1	0	0	0	0	1	0	0
3825:	0	0	0	0	0	0	0	0
3833:	0	1	0	0	0	0	0	0
3841:	0	0	0	0	0	0	0	0
3849:	0	0	0	0	0	0	0	0
3857:	0	0	0	0	0	0	0	0
3865:	0	0	0	0	0	0	0	0
3873:	0	0	0	0	0	0	0	0
3881:	0	0	0	0	0	0	0	0
3889:	0	0	0	0	0	0	0	0
3897:	0	0	0	0	1	0	1	0
3905:	0	0	0	0	0	0	0	0
3913:	0	0	0	0	0	0	0	0
3921:	0	0	0	0	0	0	0	0
3929:	0	0	0	0	1	0	1	0
3937:	0	1	0	0	0	0	1	0
3945:	0	0	0	0	0	0	0	0
3953:	0	0	0	0	0	0	1	1
3961:	0	0	0	0	0	0	0	0
3969:	1	0	0	0	0	0	0	0
3977:	0	0	0	0	0	0	1	0
3985:	0	0	1	0	0	0	0	0
3993:	0	0	0	0	0	0	0	0
4001:	0	0	0	0	0	0	0	0
4009:	0	0	0	0	1	0	0	0
4017:	0	0	0	0	0	0	0	0
4025:	0	0	0	0	0	0	0	0
4033:	0	0	0	0	0	0	0	0
4041:	0	0	1	0	0	0	1	0
4049:	0	0	0	0	0	0	0	0
4057:	0	0	0	0	0	0	0	0
4065:	0	0	0	0	0	0	0	0
4073:	0	0	0	0	0	0	1	0
4081:	0	0	0	0	0	0	0	0
4089:	1	0	0	0	0	0	0	0

gc 12/11/06

Sample ID : 0611071-02

Acquisition date : 11-DEC-2006 13:34:44

VAX/VMS Peak Search Report Generated 11-DEC-2006 15:35:00.36

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107102_GE4_GAS60_105403.CN
 Analyses by : PEAK V16.9 ENBACK V1.6 PEAKEFF V2.2
 Client ID : BLANK
 Deposition Date :
 Sample Date : 11-DEC-2006 00:00:00 Acquisition date : 11-DEC-2006 13:34:44
 Sample ID : 0611071-02 Sample Quantity : 3.73490E+02 gram
 Sample type : SLUDGE Sample Geometry : 0
 Detector name : GE4 Detector Geometry: GAS-60
 Elapsed live time: 0 02:00:00.00 Elapsed real time: 0 02:00:01.95 0.0%
 Start channel : 5 End channel : 4096
 Sensitivity : 2.40000 Gaussian : 15.00000
 Critical level : Yes

Post-NID Peak Search Report

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
0	25.98*	55	223	3.36	25.26	22	7	99.6		
0	139.66	41	116	2.31	138.98	136	7	93.5		
0	431.28	26	52	3.88	430.71	427		8103.8		
0	451.05	23	51	2.57	450.49	445		10122.1		
0	471.03	25	53	3.56	470.48	466		10118.3		
0	569.19*	18	15	3.59	568.67	566	6	94.9		
0	611.21	26	49	1.91	610.72	605		11111.9		
0	629.20	14	24	1.70	628.71	624		7130.2		
0	884.19	19	20	3.85	883.80	879		9101.7		
0	1018.71*	17	11	8.05	1018.38	1012		15104.1		
0	1171.03	20	12	11.79	1170.75	1161	16	90.1		
0	1261.01	10	2	3.13	1260.77	1258	6	84.8		
0	1286.04	5	3	1.00	1285.81	1282		7143.2		
0	1291.81	7	3	1.04	1291.58	1289		6113.7		
0	1340.99	7	6	3.12	1340.78	1336		8139.8		
0	1348.72	8	2	3.64	1348.51	1345	7	85.5		
0	1355.33	9	5	2.83	1355.12	1352		8101.8		
0	1402.28	11	2	3.25	1402.10	1398	8	75.2		
0	1409.04	7	3	1.75	1408.86	1406		6108.8		
0	1433.97	8	4	1.18	1433.80	1429		7110.4		
0	1441.86	8	2	1.99	1441.69	1438	7	86.6		
0	1655.97	5	2	3.29	1655.88	1653		6113.5		
0	1805.63	5	0	1.70	1805.60	1803	5	89.4		
0	2287.34	8	0	3.87	2287.50	2284	7	70.7		
0	2373.53	4	2	1.09	2373.73	2370		7141.7		
0	2613.84*	3	0	3.98	2614.13	2611		7187.0		

AG
12/12/06

Total number of lines in spectrum	26	
Number of unidentified lines	19	
Number of lines tentatively identified by NID	7	26.92%

**** There are no nuclides meeting summary criteria ****

Flags: "K" = Keyline not found "M" = Manually accepted
 "E" = Manually edited "A" = Nuclide specific abn. limit

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
BE-7	-1.605E-01		2.012E-01	2.921E-01	2.265E-02	-0.550
NA-22	1.529E-02		3.030E-02	6.141E-02	4.492E-03	0.249
NA-24	-5.625E-03		5.300E-02	9.913E-02	6.103E-03	-0.057
AL-26	4.629E-03		2.498E-02	4.884E-02	2.822E-03	0.095
K-40	-6.675E-02		3.239E-01	6.118E-01	3.974E-02	-0.109
AR-41	3.841E+00		6.837E+00	1.350E+01	9.373E-01	0.284
CR-51	1.477E-02		1.726E-01	3.150E-01	2.410E-02	0.047
MN-54	1.965E-02		2.670E-02	5.361E-02	3.416E-03	0.367
CO-56	1.762E-02		2.562E-02	5.171E-02	3.241E-03	0.341
CO-57	1.286E-03		1.276E-02	2.118E-02	1.528E-03	0.061
CO-58	-1.153E-02		2.311E-02	3.909E-02	2.577E-03	-0.295
FE-59	-2.345E-02		4.883E-02	8.361E-02	7.416E-03	-0.281
CO-60	8.333E-03		2.901E-02	5.674E-02	5.153E-03	0.147
ZN-65	-2.573E-02		5.486E-02	9.409E-02	7.854E-03	-0.273
GA-67	-1.808E-02		4.699E-02	7.361E-02	8.294E-02	-0.246
SE-75	-2.225E-02		2.209E-02	3.702E-02	2.544E-03	-0.601
RB-83	-2.472E-02		4.753E-02	8.180E-02	1.244E-02	-0.302
KR-85	1.680E+00		7.189E+00	1.296E+01	1.013E+00	0.130
SR-85	7.394E-03		3.163E-02	5.701E-02	4.456E-03	0.130
Y-88	-1.084E-02		2.430E-02	4.203E-02	2.406E-03	-0.258
NB-93M	9.880E+00		9.464E+00	4.363E+00	4.068E+00	2.264
NB-94	2.401E-03		2.505E-02	4.721E-02	2.852E-03	0.051
NB-95	-2.077E-02		2.479E-02	4.034E-02	2.769E-03	-0.515
NB-95M	9.363E-04		6.295E-02	1.142E-01	7.696E-03	0.008
ZR-95	-2.307E-02		4.308E-02	7.377E-02	5.884E-03	-0.313
MO-99	-4.458E-02		1.807E-01	3.278E-01	2.295E-02	-0.136
RU-103	6.574E-03		2.337E-02	4.377E-02	5.986E-03	0.150
RU-106	8.199E-02		2.563E-01	4.129E-01	5.236E-02	0.199
AG-108M	4.126E-03		2.357E-02	4.505E-02	3.187E-03	0.092
CD-109	-5.899E-01		3.273E-01	4.626E-01	5.117E-02	-1.275
AG-110M	-4.338E-02		2.725E-02	3.968E-02	2.890E-03	-1.093
SN-113	-5.023E-03		2.693E-02	4.834E-02	3.683E-03	-0.104
TE123M	2.506E-03		1.569E-02	2.596E-02	1.659E-03	0.097
SB-124	-4.368E-03		2.801E-02	4.466E-02	3.409E-03	-0.098
I-125	-2.203E-01		3.249E-01	5.163E-01	5.873E-02	-0.427
SB-125	6.392E-02		6.881E-02	1.252E-01	9.688E-03	0.510
SB-126	-4.734E-03		4.101E-02	7.528E-02	5.333E-03	-0.063
SN-126	-3.054E-03		2.848E-02	4.669E-02	4.338E-03	-0.065
SB-127	4.241E-03		7.982E-02	1.465E-01	1.055E-02	0.029
I-129	5.257E-02		5.260E-02	8.644E-02	1.365E-02	0.608
I-131	-1.356E-02		2.048E-02	3.519E-02	2.562E-03	-0.385
TE-132	1.924E-03		1.648E-02	3.026E-02	2.028E-03	0.064
BA-133	-8.245E-04		3.028E-02	5.473E-02	6.764E-03	-0.015
I-133	-3.312E-03		3.666E-02	6.683E-02	5.224E-03	-0.050
CS-134	-2.171E-02		2.785E-02	4.012E-02	3.068E-03	-0.541
CS-135	-2.492E-02		8.633E-02	1.539E-01	1.046E-02	-0.162
I-135	4.386E-01	+	3.734E-01	8.783E-01	6.659E-02	0.499
CS-136	1.996E-02		3.172E-02	6.633E-02	5.150E-03	0.301

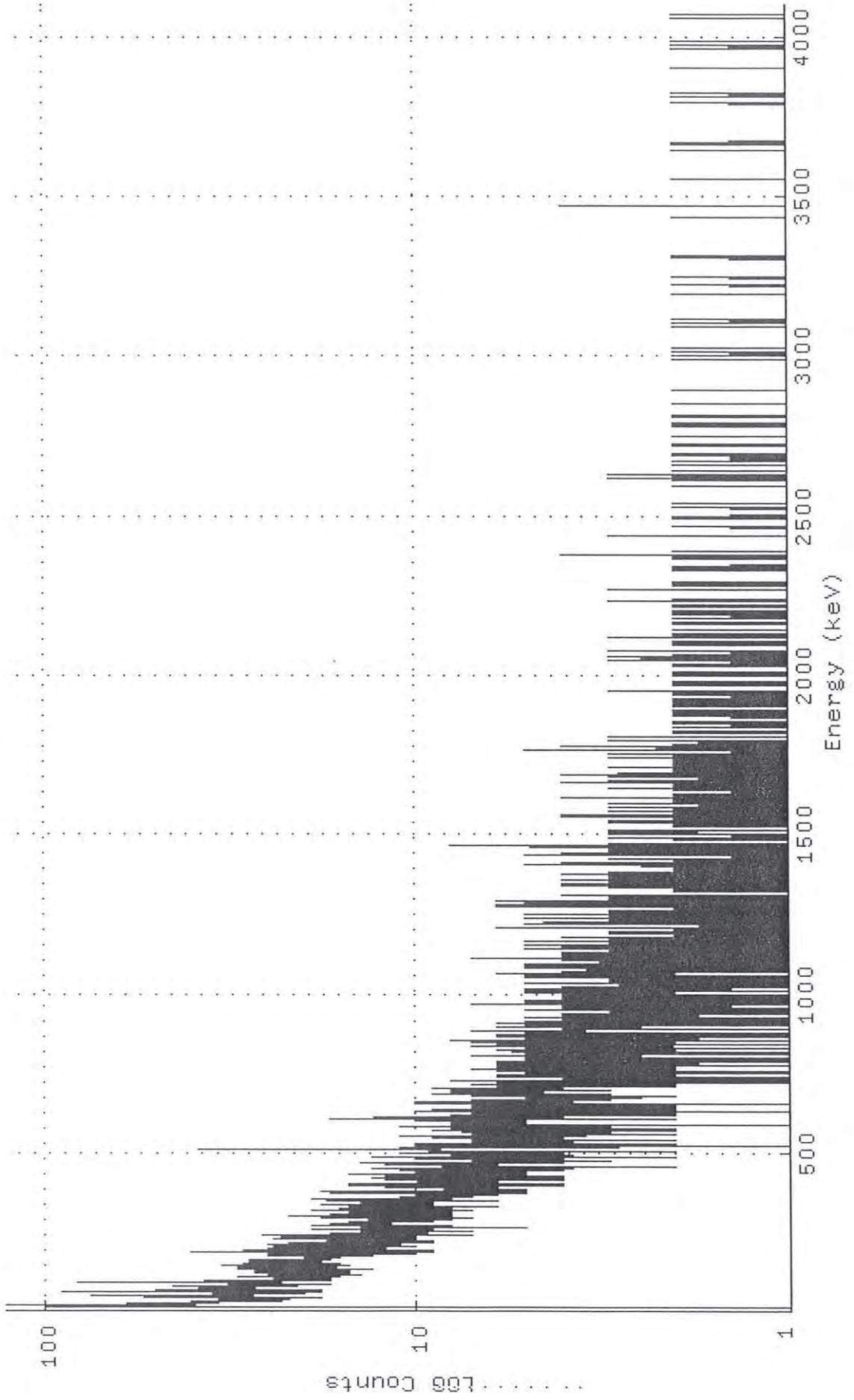
---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
CS-137	2.184E-02		2.979E-02	5.734E-02	4.168E-03	0.381
CE-139	2.020E-04		1.405E-02	2.557E-02	1.586E-03	0.008
BA-140	3.768E-03		7.816E-02	1.452E-01	4.784E-02	0.026
LA-140	2.806E-02		3.099E-02	7.047E-02	4.285E-03	0.398
CE-141	-2.901E-04		2.819E-02	4.192E-02	7.481E-03	-0.007
CE-143	-4.095E-03		4.785E-02	8.660E-02	5.981E-03	-0.047
CE-144	-2.576E-03		1.171E-01	1.764E-01	1.231E-02	-0.015
PM-144	-1.331E-02		2.710E-02	4.568E-02	3.274E-03	-0.291
PM-145	6.077E-02		9.364E-02	1.483E-01	9.699E-02	0.410
PM-146	-1.185E-02		4.724E-02	7.545E-02	5.789E-03	-0.157
ND-147	4.497E-02		1.554E-01	2.948E-01	2.304E-02	0.153
PM-149	5.275E-02		5.597E-01	1.028E+00	7.034E-02	0.051
EU-152	1.463E-01	+	1.598E-01	3.648E-01	3.319E-02	0.401
GD-153	-3.941E-03		4.468E-02	7.345E-02	6.136E-03	-0.054
EU-154	7.204E-03		9.190E-02	1.723E-01	1.260E-02	0.042
EU-155	-6.912E-03		3.453E-02	5.621E-02	5.150E-03	-0.123
EU-156	-1.915E-01		2.354E-01	3.684E-01	8.159E-02	-0.520
HO-166M	-5.527E-04		4.399E-02	8.090E-02	5.758E-03	-0.007
IR-192	1.010E-02		4.987E-02	8.311E-02	6.420E-03	0.122
HG-203	6.388E-04		1.933E-02	3.521E-02	2.497E-03	0.018
BI-207	2.431E-02	+	2.314E-02	4.183E-02	3.245E-03	0.581
TL-208	-1.826E-02		8.044E-02	1.411E-01	1.089E-02	-0.129
BI-210M	-8.045E-03		2.899E-02	5.185E-02	3.524E-03	-0.155
PB-210	9.518E-02		4.249E-01	7.270E-01	5.795E-02	0.131
PB-211	-2.906E-01		5.728E-01	9.986E-01	7.391E-02	-0.291
BI-212	-1.844E-02		1.830E-01	3.364E-01	2.374E-02	-0.055
PB-212	2.614E-04		3.423E-02	5.878E-02	3.967E-03	0.004
BI-214	-8.328E-03		6.005E-02	1.105E-01	8.395E-03	-0.075
PB-214	-7.631E-02		5.353E-02	8.723E-02	6.323E-03	-0.875
RN-219	-9.244E-02		2.685E-01	4.751E-01	3.507E-02	-0.195
RA-223	5.804E-02		4.381E-01	8.016E-01	5.709E-02	0.072
RA-224	-2.752E-01		3.942E-01	6.436E-01	4.349E-02	-0.428
RA-225	-5.640E-02		5.865E-02	9.112E-02	8.671E-03	-0.619
RA-226	1.925E-01		5.733E-01	8.293E-01	1.518E+00	0.232
TH-227	6.250E-03		1.235E-01	2.245E-01	1.513E-02	0.028
AC-228	-5.279E-02		9.241E-02	1.541E-01	9.101E-03	-0.343
TH-230	1.097E-01		9.233E-02	1.620E-01	1.289E-02	0.677
PA-231	-3.639E-01		6.844E-01	1.192E+00	8.321E-02	-0.305
TH-231	4.417E-01	+	4.511E-01	5.588E-01	1.250E-01	0.790
PA-233	-1.431E-02		4.503E-02	7.712E-02	1.688E-02	-0.186
PA-234	4.112E-02		5.381E-02	9.359E-02	6.576E-03	0.439
PA-234M	1.585E+00		2.832E+00	5.748E+00	3.987E-01	0.276
TH-234	-5.434E-01		3.574E-01	5.926E-01	4.071E-02	-0.917
U-235	-1.176E-01		1.330E-01	1.794E-01	2.990E-02	-0.656
NP-237	-1.690E-02		8.467E-02	1.378E-01	1.263E-02	-0.123
NP-239	4.384E-03		5.358E-02	8.909E-02	7.284E-03	0.049
AM-241	-7.482E-02		3.943E-02	5.578E-02	3.685E-03	-1.341

Nuclide	Half-life	Half-Life Ratio	Energy	%Abund	Activity 2-Sigma (pCi/gram)	%Error	Rejected by
FE-59	44.63D	0.01	1099.22*	56.50	---	Not Found	---
			1291.56	43.20	4.545E-02	113.99	Abun.
			% Abundances Found =		43.33		
AG-110M	249.85D	0.00	657.75*	93.14	---	Not Found	---
			677.61	10.53	---	Not Found	---
			706.67	16.46	---	Not Found	---
			763.93	21.98	---	Not Found	---
			884.67	71.63	5.376E-02	101.90	Abun.
% Abundances Found =		30.14					
CS-134	2.06Y	0.00	563.23	8.38	---	Not Found	---
			569.32	15.43	1.539E-01	95.20	Abun.
			604.70*	97.60	---	Not Found	---
			795.84	85.40	---	Not Found	---
			801.93	8.73	---	Not Found	---
% Abundances Found =		7.16					
I-135	6.61H	2.21	1131.51	22.50	---	Not Found	---
			1260.41*	28.60	4.386E-01	85.13	Abun.
			1678.03	9.54	---	Not Found	---
% Abundances Found =		47.16					
EU-152	13.60Y	0.00	121.78	20.50	---	Not Found	---
			244.69	5.40	---	Not Found	---
			344.27	19.13	---	Not Found	---
			778.89	9.20	---	Not Found	---
			964.01	10.40	---	Not Found	---
			1085.78	7.22	---	Not Found	---
			1112.02	9.60	---	Not Found	---
1407.95*	14.94	1.463E-01	109.19	Abun.			
% Abundances Found =		15.50					
BI-207	33.40Y	0.00	569.67*	97.72	2.431E-02	95.19	Abun.
			1063.62	74.90	---	Not Found	---
% Abundances Found =		56.61					
TL-208	1.41E+10Y	0.00	583.14*	30.22	---	Not Found	---
			860.37	4.48	---	Not Found	---
			2614.66	35.85	4.593E-02	187.17	Abun.
% Abundances Found =		50.82					
TH-231	7.04E+08Y	0.00	25.64*	14.70	4.417E-01	102.13	Abun.
			84.21	6.40	---	Not Found	---
% Abundances Found =		69.67					

Flag: "*" = Keyline

Spectrum : DKA100: [GAMMA.SCUSR.ARCHIVE]SMP_061107102_GE4_GAS60_105403.CNF;1
Title :
Sample Title: BLANK
Start Time: 11-DEC-2006 13:34 Sample Time: 11-DEC-2006 00:00 Energy Offset: 7.35107E-01
Real Time : 0 02:00:01.95 Sample ID : 0611071-02 Energy Slope : 9.99608E-01
Live Time : 0 02:00:00.00 Sample Type: SLUDGE Energy Quad : 0.00000E+00



Channel

1:	0	0	0	0	0	0	0	0
9:	0	0	0	0	0	0	78	127
17:	66	59	56	47	39	40	39	51
25:	60	34	45	30	23	30	40	23
33:	28	22	33	31	27	34	30	18
41:	28	22	38	37	39	75	40	31
49:	28	35	32	23	35	33	20	23
57:	29	32	31	35	18	37	89	28
65:	18	40	28	30	23	34	33	31
73:	28	38	30	24	45	21	23	25
81:	30	30	17	26	27	20	32	23
89:	24	24	33	81	62	22	26	28
97:	21	17	25	20	24	17	19	23
105:	21	16	27	30	28	17	19	24
113:	19	14	25	22	22	23	20	15
121:	23	27	27	19	27	15	21	22
129:	26	21	20	23	30	25	13	20
137:	19	22	29	30	19	17	16	33
145:	15	23	28	29	16	18	19	16
153:	24	18	24	21	24	26	28	17
161:	26	20	28	17	18	17	19	17
169:	16	17	20	13	25	20	22	13
177:	14	18	19	10	12	25	21	23
185:	40	39	30	9	16	18	20	9
193:	17	29	19	12	23	15	19	25
201:	23	24	10	18	14	15	23	16
209:	16	19	11	19	25	14	17	9
217:	22	17	19	16	14	9	16	12
225:	9	11	24	11	12	20	15	14
233:	18	14	23	15	10	26	18	15
241:	17	8	7	12	14	13	13	17
249:	14	14	10	12	12	7	13	14
257:	11	19	14	10	9	11	14	5
265:	6	11	11	17	13	8	12	19
273:	16	13	16	17	15	13	12	11
281:	11	12	11	9	15	12	13	8
289:	10	11	13	7	8	17	13	18
297:	11	11	22	10	12	11	8	15
305:	8	8	17	16	15	13	15	10
313:	8	13	13	11	9	7	13	19
321:	12	15	12	8	16	14	13	10
329:	11	6	11	15	13	13	11	9
337:	14	18	11	14	9	9	12	9
345:	10	11	11	8	7	6	16	19
353:	10	10	15	16	8	9	11	7
361:	11	7	7	8	6	7	7	10
369:	8	12	17	8	5	7	7	18
377:	7	5	11	9	10	5	5	8
385:	8	7	7	10	8	7	10	6
393:	12	4	13	10	9	15	8	15
401:	4	7	5	6	7	8	6	7
409:	7	8	9	11	12	9	5	7
417:	4	12	4	4	13	6	7	4
425:	12	8	5	11	11	12	15	10

433:	9	5	8	8	8	5	10	8
441:	8	5	11	5	8	7	4	7
449:	12	13	9	5	7	2	6	3
457:	8	5	6	12	6	8	9	8
465:	9	4	11	7	14	11	8	6
473:	7	7	3	6	5	5	4	7
481:	8	10	6	13	3	5	8	12
489:	2	7	8	8	6	4	8	7
497:	9	6	11	8	8	2	7	4
505:	4	7	7	12	16	38	35	23
513:	9	8	10	11	7	7	8	1
521:	5	10	9	5	6	8	4	6
529:	4	10	2	7	7	4	4	5
537:	6	6	5	7	2	7	5	4
545:	9	6	8	5	5	4	7	7
553:	11	6	6	2	6	7	3	4
561:	5	7	4	6	3	3	7	8
569:	8	9	2	2	3	8	2	4
577:	8	6	4	7	6	11	7	3
585:	5	4	8	4	7	1	5	8
593:	5	8	8	5	8	6	10	6
601:	8	6	5	8	2	3	5	11
609:	17	10	4	7	7	5	4	4
617:	2	3	4	5	8	4	6	2
625:	7	5	4	9	10	1	5	5
633:	4	4	3	9	2	6	4	7
641:	2	6	2	6	2	2	6	5
649:	4	2	7	7	10	6	1	3
657:	2	7	4	4	10	8	6	7
665:	5	5	4	3	4	4	3	5
673:	5	3	3	2	3	3	5	4
681:	7	4	3	9	6	6	4	8
689:	5	6	5	6	5	4	4	3
697:	8	5	6	6	4	7	4	9
705:	8	2	6	3	4	2	4	7
713:	5	4	5	2	3	3	5	0
721:	6	3	2	8	2	0	2	6
729:	3	3	3	3	4	2	1	6
737:	2	2	0	4	2	5	5	4
745:	2	6	4	3	4	4	1	5
753:	2	4	6	1	4	1	3	7
761:	3	6	4	2	4	2	3	2
769:	5	5	6	6	3	4	1	3
777:	1	5	6	3	4	3	3	1
785:	3	2	2	1	6	3	1	1
793:	2	1	5	1	2	3	3	5
801:	1	7	6	3	4	4	3	2
809:	5	3	1	2	1	1	0	5
817:	4	3	5	6	2	2	3	3
825:	2	4	4	3	0	5	4	3
833:	6	5	7	3	4	1	6	3
841:	3	1	2	2	4	4	7	5
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857:	4	5	5	4	3	0	2	5
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881:	4	6	6	7	5	3	1	1
889:	4	2	2	3	4	5	6	6
897:	6	3	5	4	0	5	5	5
905:	6	1	0	2	2	3	3	3

913:	1	1	5	3	2	4	0	3
921:	1	3	0	0	5	4	2	2
929:	2	2	4	4	3	1	4	4
937:	3	1	2	1	3	3	1	3
945:	2	2	1	1	1	0	5	2
953:	1	4	2	1	0	4	3	3
961:	3	4	2	1	2	3	2	7
969:	2	3	1	5	2	0	4	0
977:	5	2	3	3	1	3	4	3
985:	1	1	2	2	3	2	1	0
993:	4	1	4	0	2	2	1	4
1001:	5	4	2	3	2	2	2	5
1009:	4	3	0	2	2	3	3	5
1017:	2	1	1	3	1	4	1	2
1025:	2	0	1	1	2	4	2	2
1033:	2	1	5	1	3	0	2	1
1041:	2	0	3	1	1	3	3	2
1049:	4	1	5	2	2	1	0	2
1057:	5	1	3	4	6	2	2	3
1065:	4	1	2	2	2	0	4	3
1073:	2	1	1	2	3	1	2	3
1081:	5	4	5	1	3	5	3	2
1089:	3	0	3	0	2	1	5	2
1097:	2	3	2	2	0	2	2	4
1105:	2	2	1	3	1	7	2	2
1113:	1	3	1	4	1	1	0	4
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1129:	0	4	4	2	2	1	3	2
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1161:	1	0	0	5	4	0	1	3
1169:	1	3	3	2	2	2	4	1
1177:	0	4	2	1	2	2	2	0
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1209:	0	1	1	1	1	0	1	3
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1233:	0	2	2	2	5	4	1	1
1241:	2	3	1	1	1	5	2	1
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1257:	1	1	2	3	3	3	0	0
1265:	2	1	0	2	2	1	2	1
1273:	6	0	5	2	1	6	2	1
1281:	2	0	0	5	1	1	1	0
1289:	0	1	6	0	1	2	0	2
1297:	3	2	2	0	0	3	2	0
1305:	1	1	4	1	4	1	1	1
1313:	1	1	0	1	1	1	0	2
1321:	0	2	2	0	2	1	1	0
1329:	1	2	0	3	0	1	1	1
1337:	1	1	3	1	4	2	0	1
1345:	0	1	4	0	3	2	0	0
1353:	2	3	4	2	1	2	0	2
1361:	3	2	1	0	2	1	0	3
1369:	3	0	1	0	1	4	1	0
1377:	1	0	3	0	0	2	0	1
1385:	2	2	0	0	2	0	1	0

1393:	1	0	2	0	0	0	1	2
1401:	3	0	5	2	0	1	1	2
1409:	4	2	0	1	2	2	0	0
1417:	2	2	2	0	0	1	3	1
1425:	1	1	0	1	0	0	2	2
1433:	2	5	0	1	1	0	1	1
1441:	3	4	1	0	0	0	3	1
1449:	3	1	0	3	2	1	1	0
1457:	2	0	1	3	8	0	1	2
1465:	1	1	3	2	0	2	2	0
1473:	0	1	0	0	1	0	0	0
1481:	2	1	2	1	1	2	0	3
1489:	2	2	1	1	1	1	0	1
1497:	2	1	0	0	3	3	2	2
1505:	3	2	2	3	1	2	3	2
1513:	0	1	0	1	1	1	0	0
1521:	0	1	1	2	1	0	2	2
1529:	0	2	1	1	2	3	0	2
1537:	3	1	3	1	1	0	0	0
1545:	0	0	2	0	1	1	4	2
1553:	0	1	3	1	1	1	1	0
1561:	4	0	1	0	0	2	0	2
1569:	0	1	3	3	2	0	1	0
1577:	1	2	2	0	0	1	0	0
1585:	3	1	1	0	1	0	0	0
1593:	3	2	1	1	2	3	1	2
1601:	1	1	2	2	2	1	1	1
1609:	0	1	0	2	1	1	1	4
1617:	1	1	0	2	1	0	0	2
1625:	1	0	0	2	1	0	1	0
1633:	0	1	0	2	0	2	1	1
1641:	3	0	2	1	3	2	1	1
1649:	0	1	2	0	0	1	2	2
1657:	2	0	1	0	1	4	1	1
1665:	1	0	0	1	0	3	0	0
1673:	1	0	1	1	1	0	0	3
1681:	0	1	1	1	1	1	0	4
1689:	2	0	2	1	0	0	1	0
1697:	2	0	0	1	1	2	2	0
1705:	0	1	0	0	1	3	1	1
1713:	1	2	1	0	0	0	0	0
1721:	1	0	2	1	2	0	1	0
1729:	2	1	0	0	2	0	0	2
1737:	1	2	2	0	1	3	0	1
1745:	1	2	1	2	0	0	0	3
1753:	1	2	0	0	0	1	0	1
1761:	0	1	0	3	3	5	1	0
1769:	1	0	2	1	0	0	1	4
1777:	0	0	1	1	0	2	1	0
1785:	0	1	0	1	0	0	3	0
1793:	2	0	0	0	0	1	0	0
1801:	1	0	0	0	2	3	0	0
1809:	0	0	1	0	1	1	0	2
1817:	0	0	0	2	2	1	0	1
1825:	1	0	1	0	0	1	1	0
1833:	0	2	1	0	0	0	0	1
1841:	1	1	0	0	2	0	1	2
1849:	0	0	2	0	0	0	0	1
1857:	1	0	1	0	0	1	1	0
1865:	0	0	0	1	2	1	2	1

1873:	0	0	1	0	2	2	1	1
1881:	0	0	1	2	0	2	1	1
1889:	0	2	1	0	0	0	1	0
1897:	1	1	0	1	1	1	1	2
1905:	1	1	0	2	0	0	0	0
1913:	0	2	1	0	0	0	0	0
1921:	0	2	0	0	1	2	0	0
1929:	0	1	1	0	1	0	2	0
1937:	1	2	1	1	1	1	2	1
1945:	0	0	0	1	0	1	3	0
1953:	1	0	0	0	1	0	1	0
1961:	0	0	1	0	0	2	1	1
1969:	0	0	0	0	1	1	0	2
1977:	0	0	1	0	2	1	0	0
1985:	1	1	1	0	1	0	0	1
1993:	1	0	1	2	0	2	0	1
2001:	0	1	1	2	0	0	0	1
2009:	0	0	2	0	0	1	0	0
2017:	1	0	0	0	1	1	1	0
2025:	1	0	1	0	2	1	1	0
2033:	0	0	1	2	0	0	0	0
2041:	0	0	1	2	1	0	3	0
2049:	1	1	1	2	0	2	3	0
2057:	0	0	2	2	0	0	0	0
2065:	0	2	0	1	0	0	1	1
2073:	0	3	1	1	1	1	0	0
2081:	1	0	0	1	0	1	0	0
2089:	0	1	0	1	0	0	0	2
2097:	0	1	2	0	0	1	1	2
2105:	0	0	1	0	0	0	0	1
2113:	0	1	1	1	1	3	1	0
2121:	1	2	1	0	0	1	0	0
2129:	0	2	0	1	1	1	1	1
2137:	0	0	0	1	1	2	1	0
2145:	0	1	0	1	1	0	1	0
2153:	0	0	1	1	1	0	1	0
2161:	2	0	1	1	1	1	2	0
2169:	0	0	1	1	1	0	1	0
2177:	1	1	0	2	0	0	0	1
2185:	0	0	0	1	2	0	1	1
2193:	1	0	0	2	0	1	0	1
2201:	1	0	2	0	0	0	1	0
2209:	1	0	0	1	1	2	1	0
2217:	1	0	2	1	1	0	1	0
2225:	1	0	0	0	1	0	0	3
2233:	0	1	2	2	0	0	1	1
2241:	0	0	0	0	0	0	0	0
2249:	1	0	0	0	0	0	0	0
2257:	0	0	0	1	1	0	0	0
2265:	0	1	3	0	0	0	1	1
2273:	0	1	0	1	0	0	0	1
2281:	2	0	0	0	0	2	2	2
2289:	2	0	0	0	0	1	1	0
2297:	1	0	0	0	1	0	0	0
2305:	0	0	0	1	1	1	0	0
2313:	0	1	1	0	1	1	0	1
2321:	0	0	0	0	1	0	0	2
2329:	0	1	0	1	0	0	2	1
2337:	1	0	2	1	0	2	0	1
2345:	0	0	1	0	0	0	1	1

2353:	1	0	0	0	0	1	0	1
2361:	0	0	0	2	0	0	1	0
2369:	0	0	0	0	4	1	1	0
2377:	1	0	0	0	1	0	0	0
2385:	0	1	0	1	2	0	0	0
2393:	0	0	0	1	1	0	0	1
2401:	0	0	0	0	1	1	1	1
2409:	0	0	0	0	0	1	1	0
2417:	0	0	1	0	1	1	0	1
2425:	0	1	1	1	0	0	0	0
2433:	0	0	3	0	0	1	1	0
2441:	0	0	1	0	1	0	0	0
2449:	0	0	1	0	0	0	1	1
2457:	1	0	0	0	0	0	2	1
2465:	0	0	1	0	0	1	0	0
2473:	0	1	0	0	1	1	0	0
2481:	0	0	0	1	1	0	0	0
2489:	2	0	1	0	1	0	1	1
2497:	1	2	0	0	0	1	1	1
2505:	0	0	0	0	0	0	0	0
2513:	0	0	0	0	0	0	0	0
2521:	0	0	2	0	0	1	0	0
2529:	0	0	0	1	1	1	0	0
2537:	2	0	0	0	0	0	0	0
2545:	0	1	0	0	0	0	1	0
2553:	0	0	0	0	1	1	1	0
2561:	0	0	0	1	0	0	0	1
2569:	0	0	0	0	1	0	0	0
2577:	0	0	0	1	1	0	1	0
2585:	0	0	0	0	0	1	0	2
2593:	0	0	0	1	1	0	1	0
2601:	0	0	0	0	1	0	1	1
2609:	0	0	0	2	0	2	3	1
2617:	0	0	0	0	2	0	0	0
2625:	0	0	3	0	0	0	0	0
2633:	1	0	0	1	0	2	0	1
2641:	0	0	0	1	0	0	0	0
2649:	0	0	1	0	1	1	0	0
2657:	2	1	0	1	0	1	0	0
2665:	1	0	0	0	0	1	1	2
2673:	0	1	0	1	0	1	1	0
2681:	0	0	0	0	2	0	0	0
2689:	0	1	0	2	0	1	0	0
2697:	0	1	1	0	1	0	0	0
2705:	0	0	0	0	0	0	0	1
2713:	0	0	0	2	1	0	0	0
2721:	1	0	2	0	1	0	0	0
2729:	0	0	0	0	0	0	0	0
2737:	1	0	0	0	1	0	0	1
2745:	2	0	0	1	0	0	0	0
2753:	0	0	0	1	0	1	0	1
2761:	0	1	0	0	1	1	0	0
2769:	0	0	0	1	0	0	0	0
2777:	2	0	2	0	0	0	0	0
2785:	2	2	1	1	0	0	0	0
2793:	0	0	1	0	0	0	0	0
2801:	0	0	0	0	0	0	0	0
2809:	2	0	0	0	1	2	0	0
2817:	0	1	0	1	0	1	0	0
2825:	0	0	0	0	0	0	0	0

2833:	0	0	0	1	1	0	0	0
2841:	0	0	0	0	0	0	0	1
2849:	2	1	0	0	0	0	0	0
2857:	0	1	0	1	1	0	0	0
2865:	0	1	0	0	0	0	0	0
2873:	1	0	0	1	0	0	1	0
2881:	0	0	0	0	1	0	0	0
2889:	0	2	0	0	0	0	1	0
2897:	1	1	0	0	0	0	1	0
2905:	1	0	0	0	0	0	0	0
2913:	1	0	1	0	0	0	1	0
2921:	0	1	0	0	0	0	0	0
2929:	0	0	0	0	0	0	1	1
2937:	1	1	0	0	1	0	0	0
2945:	0	0	0	1	0	0	0	0
2953:	1	0	1	0	1	0	1	0
2961:	0	0	1	1	0	0	1	0
2969:	0	0	0	0	0	0	0	0
2977:	0	0	0	0	1	0	0	0
2985:	0	2	0	0	0	0	0	0
2993:	1	0	0	0	0	2	0	1
3001:	1	0	0	0	0	0	0	2
3009:	0	0	0	0	0	1	0	0
3017:	1	0	0	0	2	0	0	0
3025:	0	0	0	1	0	0	0	1
3033:	0	0	0	0	1	1	0	1
3041:	0	1	0	1	1	1	1	0
3049:	1	0	0	0	1	0	0	0
3057:	1	0	0	1	0	1	0	1
3065:	0	0	0	0	0	0	0	0
3073:	0	0	1	1	0	0	1	0
3081:	0	0	0	0	0	0	2	1
3089:	1	0	1	0	0	0	1	0
3097:	0	0	0	0	0	1	2	0
3105:	1	0	0	1	0	0	0	0
3113:	1	2	1	0	0	0	0	0
3121:	1	1	0	0	0	0	0	0
3129:	0	0	0	0	0	1	0	0
3137:	0	1	0	1	1	0	0	0
3145:	1	0	0	0	0	0	0	1
3153:	0	0	0	0	1	0	0	0
3161:	0	0	0	0	0	0	0	0
3169:	0	0	1	1	0	0	1	1
3177:	0	0	1	0	1	1	0	0
3185:	0	1	0	0	1	0	0	2
3193:	0	0	0	0	1	0	0	0
3201:	0	0	0	0	1	1	0	1
3209:	0	1	0	0	1	0	0	1
3217:	0	2	0	0	1	0	0	0
3225:	0	0	0	0	0	1	0	0
3233:	1	0	1	0	0	0	1	0
3241:	0	2	0	0	0	0	0	0
3249:	0	0	0	0	1	0	0	1
3257:	0	0	0	0	0	0	0	0
3265:	0	1	0	1	0	0	0	0
3273:	0	0	1	0	1	0	0	0
3281:	1	0	0	0	1	1	1	1
3289:	0	0	0	0	0	0	0	1
3297:	0	1	0	0	0	2	0	0
3305:	0	0	0	0	0	0	0	2

3313:	0	1	0	1	0	0	0	0
3321:	1	0	0	0	1	0	0	0
3329:	0	1	0	0	1	0	0	0
3337:	0	0	0	0	0	0	1	0
3345:	0	0	0	0	0	0	0	0
3353:	0	0	0	0	0	0	1	0
3361:	0	0	0	0	0	1	1	0
3369:	0	0	0	0	0	0	0	0
3377:	0	0	0	0	1	0	0	0
3385:	0	0	0	0	0	0	0	0
3393:	1	0	1	0	1	0	0	0
3401:	0	0	0	0	0	0	1	0
3409:	0	1	0	0	0	1	1	1
3417:	0	0	0	0	0	0	0	1
3425:	0	0	0	1	0	2	0	0
3433:	0	0	0	0	1	0	0	0
3441:	0	0	0	0	1	0	0	0
3449:	0	1	0	0	0	0	0	0
3457:	1	0	0	0	0	0	0	0
3465:	4	0	0	0	0	0	0	1
3473:	0	1	1	0	0	0	1	0
3481:	0	1	0	1	0	0	1	1
3489:	0	0	0	0	0	0	1	1
3497:	0	0	0	0	0	0	0	0
3505:	0	0	1	0	0	0	0	0
3513:	0	0	0	0	0	1	0	0
3521:	1	0	0	0	0	0	0	0
3529:	0	1	0	0	1	0	0	1
3537:	0	0	0	0	0	0	0	0
3545:	0	0	0	1	0	0	0	2
3553:	0	0	0	1	0	0	0	0
3561:	0	0	1	1	0	0	0	0
3569:	1	0	0	0	1	0	1	0
3577:	0	0	0	0	0	0	0	0
3585:	0	1	0	1	0	0	0	0
3593:	1	0	0	0	0	0	0	0
3601:	1	0	0	0	0	0	0	0
3609:	1	0	0	1	0	0	1	0
3617:	0	0	0	0	0	0	0	0
3625:	0	0	0	0	0	0	1	0
3633:	0	0	0	1	0	0	1	0
3641:	2	1	0	0	1	0	0	0
3649:	0	0	1	0	0	0	0	0
3657:	1	0	2	1	0	0	1	1
3665:	0	0	2	0	0	0	0	0
3673:	0	0	0	0	0	0	0	0
3681:	0	0	0	0	0	0	0	1
3689:	0	0	0	1	0	0	1	0
3697:	0	0	0	0	0	0	0	0
3705:	0	0	0	0	1	1	0	0
3713:	0	0	0	0	0	0	0	0
3721:	0	1	0	0	0	0	0	0
3729:	0	0	0	0	0	0	1	0
3737:	0	0	1	0	0	0	0	1
3745:	0	0	0	0	0	0	0	0
3753:	1	0	0	0	0	0	0	0
3761:	0	0	0	0	0	0	0	0
3769:	0	0	0	1	0	0	0	0
3777:	0	0	0	0	0	0	0	0
3785:	0	0	0	2	0	0	0	0

3793:	0	0	0	0	0	0	0	0
3801:	0	0	1	1	1	1	2	1
3809:	0	0	0	0	0	1	0	0
3817:	0	2	0	0	0	1	1	0
3825:	0	0	0	0	1	1	0	0
3833:	0	1	0	0	0	0	0	0
3841:	0	0	0	1	0	0	0	1
3849:	0	0	0	0	0	0	0	0
3857:	0	0	0	0	0	0	0	0
3865:	1	0	0	0	0	0	0	0
3873:	1	1	1	0	0	0	0	0
3881:	1	0	0	1	0	0	0	0
3889:	0	0	0	0	0	0	0	0
3897:	2	0	0	0	1	0	0	0
3905:	0	1	1	0	0	1	0	0
3913:	0	0	1	0	0	0	0	0
3921:	0	0	0	1	0	0	0	0
3929:	0	1	0	0	0	0	0	0
3937:	0	0	0	0	0	0	1	1
3945:	0	1	0	0	0	0	0	0
3953:	0	0	1	1	0	0	0	0
3961:	2	0	0	0	0	0	0	2
3969:	1	0	1	1	0	0	1	0
3977:	0	0	0	0	2	0	0	0
3985:	0	0	0	0	0	0	0	0
3993:	0	0	0	0	0	0	0	1
4001:	0	1	0	0	1	1	0	0
4009:	0	0	0	0	0	0	0	0
4017:	0	1	0	0	0	0	0	0
4025:	0	0	0	0	0	0	0	0
4033:	0	0	0	0	1	0	0	0
4041:	0	0	0	0	0	0	0	0
4049:	0	0	0	0	0	2	0	1
4057:	0	0	0	0	0	0	0	0
4065:	0	0	2	1	0	0	1	0
4073:	0	0	0	0	0	1	1	0
4081:	0	0	0	0	0	1	0	0
4089:	1	1	0	0	0	0	0	0

VAX/VMS Peak Search Report Generated 11-DEC-2006 09:27:38.41

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107103_GE1_GAS60_105391.CN
 Analyses by : PEAK V16.9 ENBACK V1.6 PEAKEFF V2.2
 Client ID : B-1 (0-3)
 Deposition Date :
 Sample Date : 13-NOV-2006 00:00:00 Acquisition date : 11-DEC-2006 07:27:21
 Sample ID : 0611071-03 Sample Quantity : 1.87500E+01 gram
 Sample type : SLUDGE Sample Geometry : 0
 Detector name : GE1 Detector Geometry: GAS-60
 Elapsed live time: 0 02:00:00.00 Elapsed real time: 0 02:00:00.69 0.0%
 Start channel : 5 End channel : 4096
 Sensitivity : 2.40000 Gaussian : 15.00000
 Critical level : Yes

Post-NID Peak Search Report

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
0	76.33*	255	364	4.31	76.63	71	11	32.4		
2	238.75*	120	133	2.16	239.09	234	12	37.3	1.95E+00	PB-212
0	295.22*	46	116	1.74	295.59	292	8	91.0		PB-214
0	337.37	44	147	6.50	337.74	332	12	115.5		
0	352.28*	62	106	2.32	352.65	349	9	72.6		PB-214
0	584.23	28	67	1.47	584.67	583	7	107.4		
3	605.40	23	22	2.53	605.85	604	16	73.1	1.37E+00	
3	609.39*	55	40	2.18	609.84	604	16	58.5		
3	613.41	20	59	3.19	613.86	604	16	175.4		
0	670.20	21	23	1.52	670.67	668	7	87.3		
4	723.76	15	17	2.71	724.25	722	27	84.0	2.29E+00	
4	738.65	19	38	3.62	739.14	722	27	137.5		
0	772.43	60	90	19.44	772.93	760	27	95.8		
0	814.27	52	62	13.20	814.78	806	19	77.7		
0	1003.35	45	27	3.42	1003.91	998	15	57.7		
0	1239.52	30	18	1.90	1240.15	1235	11	67.2		
0	1327.85	16	14	4.35	1328.50	1324	9	99.8		
0	1358.09	12	11	2.49	1358.75	1352	9	120.2		
0	1379.19	21	19	1.42	1379.86	1372	12	97.0		
0	1460.71*	48	9	2.44	1461.40	1456	10	43.6		K-40
0	1690.45	12	5	5.90	1691.21	1686	10	90.5		
0	1698.24	8	3	3.30	1699.00	1696	6	98.4		
0	1719.16	7	5	1.14	1719.93	1712	10	143.1		
0	1866.70	11	6	1.48	1867.51	1860	11	99.8		
0	1958.04	10	2	4.67	1958.87	1954	9	83.7		
0	2036.15*	4	0	1.50	2037.00	2034	6	149.8		
0	2058.96	11	0	1.16	2059.82	2055	10	60.3		
0	2119.80	6	2	1.85	2120.68	2115	9	124.4		
5	2563.22	6	0	2.95	2564.23	2563	10	63.7	4.40E-01	
5	2569.00	7	0	3.66	2570.00	2563	10	62.0		
0	2576.66	6	0	1.92	2577.67	2574	7	81.6		
0	3417.86	6	2	2.61	3419.11	3414	8	116.7		

AG
12/12/06

Total number of lines in spectrum 32
 Number of unidentified lines 18
 Number of lines tentatively identified by NID 14 43.75%

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/gram	Decay Corr pCi/gram			
K-40	1.28E+09Y	1.00	1.081E+01	1.081E+01	0.476E+01	44.01	
PB-212	1.41E+10Y	1.00	1.520E+00	1.520E+00	0.576E+00	37.92	
PB-214	1602.00Y	1.00	1.338E+00	1.338E+00	0.766E+00	57.27	
Total Activity :			1.367E+01	1.367E+01			

Grand Total Activity : 1.367E+01 1.367E+01

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit



Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
K-40	1460.81	10.67*	8.337E-01	1.081E+01	1.081E+01	44.01	OK
Final Mean for 1 Valid Peaks = 1.081E+01 +/- 4.759E+00 (44.01%)							
PB-212	238.63	44.60*	3.558E+00	1.520E+00	1.520E+00	37.92	OK
	300.09	3.41	3.015E+00	-----	Line Not Found	-----	Absent
Final Mean for 1 Valid Peaks = 1.520E+00 +/- 5.764E-01 (37.92%)							
PB-214	295.21	19.19	3.053E+00	1.570E+00	1.570E+00	91.16	OK
	351.92	37.19*	2.664E+00	1.244E+00	1.244E+00	72.88	OK
Final Mean for 2 Valid Peaks = 1.338E+00 +/- 7.661E-01 (57.27%)							

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/gram)	Act error	MDA (pCi/gram)	MDA error	Act/MDA
K-40	1.081E+01	4.759E+00	4.908E+00	2.876E-01	2.203
PB-212	1.520E+00	5.764E-01	7.552E-01	4.827E-02	2.013
PB-214	1.338E+00	7.661E-01	9.926E-01	5.470E-02	1.348

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
BE-7	1.522E+00		3.091E+00	5.491E+00	3.447E-01	0.277
NA-22	5.852E-02		2.652E-01	5.092E-01	2.834E-02	0.115
AL-26	4.274E-02		2.515E-01	4.956E-01	2.672E-02	0.086
CR-51	2.236E+00		4.092E+00	7.234E+00	4.525E-01	0.309
MN-54	1.964E-01		3.048E-01	5.844E-01	4.097E-02	0.336
CO-56	-1.014E-01		3.713E-01	6.550E-01	4.510E-02	-0.155
CO-57	-1.028E-01		1.911E-01	3.195E-01	2.259E-02	-0.322
CO-58	2.224E-01		3.758E-01	7.168E-01	5.213E-02	0.310
FE-59	1.601E-01		6.944E-01	1.326E+00	9.230E-02	0.121
CO-60	-2.337E-01		3.225E-01	5.323E-01	3.066E-02	-0.439
ZN-65	1.149E-02		7.184E-01	1.297E+00	7.726E-02	0.009
SE-75	-5.543E-02		3.597E-01	6.073E-01	3.627E-02	-0.091
RB-83	-5.678E-01		6.259E-01	1.049E+00	1.540E-01	-0.541
KR-85	2.225E+02		7.621E+01	1.527E+02	1.019E+01	1.457
SR-85	1.311E+00		4.489E-01	8.993E-01	6.001E-02	1.457
Y-88	-1.857E-01		3.252E-01	5.386E-01	2.891E-02	-0.345
NB-93M	0.000E+00		0.000E+00	8.253E-01	3.528E-01	0.000
NB-94	6.601E-02		2.736E-01	5.104E-01	3.375E-02	0.129
NB-95	5.170E-01		5.329E-01	1.013E+00	7.739E-02	0.510
NB-95M	2.610E+02		2.268E+02	3.674E+02	2.366E+01	0.711
ZR-95	-8.676E-03		7.492E-01	1.197E+00	1.038E-01	-0.007
RU-103	1.509E-01		4.511E-01	7.853E-01	1.019E-01	0.192
RU-106	-1.624E+00		3.181E+00	4.780E+00	6.144E-01	-0.340
AG-108M	2.222E-01	+	1.875E-01	4.893E-01	3.880E-02	0.454
CD-109	-2.791E+01		6.708E+00	8.883E+00	8.054E-01	-3.142
AG-110M	5.653E-02		2.954E-01	5.453E-01	4.466E-02	0.104
SN-113	-2.176E-01		4.030E-01	6.536E-01	3.764E-02	-0.333
TE123M	2.053E-01		2.532E-01	4.474E-01	3.209E-02	0.459
SB-124	2.415E-01		4.229E-01	7.140E-01	5.439E-02	0.338
I-125	0.000E+00		0.000E+00	3.647E-01	3.433E-02	0.000
SB-125	6.950E-03		7.273E-01	1.241E+00	7.426E-02	0.006
SB-126	1.628E+00		2.447E+00	4.288E+00	3.407E-01	0.380
SN-126	-2.736E+00		6.257E-01	8.495E-01	5.822E-02	-3.221
SB-127	-6.348E+01		1.087E+02	1.875E+02	1.525E+01	-0.339
I-129	0.000E+00		0.000E+00	3.821E-02	4.589E-03	0.000
I-131	-8.744E-02		2.905E+00	4.932E+00	2.697E-01	-0.018
BA-133	4.669E-01		3.977E-01	6.631E-01	7.567E-02	0.704
CS-134	2.795E-01	+	2.055E-01	5.438E-01	4.167E-02	0.514
CS-135	-2.447E-01		1.143E+00	1.922E+00	1.117E-01	-0.127
CS-136	-4.381E-01		1.618E+00	2.856E+00	1.848E-01	-0.153

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
CS-137	3.769E-02		3.628E-01	5.713E-01	4.712E-02	0.066
CE-139	-6.433E-02		2.538E-01	4.276E-01	3.079E-02	-0.150
BA-140	-1.857E-03		4.114E+00	7.511E+00	2.459E+00	0.000
LA-140	2.564E-01		1.231E+00	2.413E+00	1.326E-01	0.106
CE-141	-2.373E-01		7.306E-01	1.175E+00	2.745E-01	-0.202
CE-144	-1.103E+00		1.673E+00	2.771E+00	1.962E-01	-0.398
PM-144	1.876E-01		2.740E-01	5.262E-01	4.256E-02	0.356
PM-145	0.000E+00		0.000E+00	7.544E-02	4.914E-02	0.000
PM-146	2.450E-01		5.504E-01	9.737E-01	5.862E-02	0.252
ND-147	1.112E+00		9.799E+00	1.809E+01	1.240E+00	0.061
EU-152	-8.504E-01		1.750E+00	2.993E+00	2.586E-01	-0.284
GD-153	-4.194E-01		7.749E-01	1.299E+00	8.945E-02	-0.323
EU-154	1.734E-01		7.375E-01	1.419E+00	7.896E-02	0.122
EU-155	-2.933E+00		7.650E-01	1.002E+00	6.822E-02	-2.928
EU-156	3.565E+00		9.707E+00	1.817E+01	4.063E+00	0.196
HO-166M	-2.103E-01		4.762E-01	8.310E-01	6.645E-02	-0.253
IR-192	-2.234E-01		6.195E-01	1.017E+00	6.280E-02	-0.220
HG-203	1.771E-01		4.141E-01	7.062E-01	4.184E-02	0.251
BI-207	-1.766E-01		2.493E-01	4.233E-01	3.077E-02	-0.417
TL-208	1.045E+00	+	1.125E+00	1.778E+00	1.317E-01	0.588
BI-210M	-2.161E-01		4.286E-01	7.052E-01	4.193E-02	-0.306
PB-210	-1.269E+01		2.569E+00	9.375E-01	6.724E-02	-13.537
PB-211	-2.207E+00		7.461E+00	1.236E+01	6.779E-01	-0.179
BI-212	1.546E+00		2.382E+00	4.531E+00	3.581E-01	0.341
BI-214	1.396E+00	+	8.245E-01	1.515E+00	1.165E-01	0.921
RN-219	-5.072E-01		3.389E+00	5.681E+00	3.096E-01	-0.089
RA-223	-3.451E+00		5.034E+00	8.119E+00	4.519E-01	-0.425
RA-224	1.909E+01		6.496E+00	1.196E+01	7.598E-01	1.596
RA-225	0.000E+00		0.000E+00	1.815E-01	1.493E-02	0.000
RA-226	2.079E+00		8.012E+00	1.271E+01	2.326E+01	0.164
TH-227	3.464E+00		2.185E+00	3.612E+00	2.324E-01	0.959
AC-228	6.336E-01		1.125E+00	2.142E+00	1.345E-01	0.296
TH-230	-1.686E+00		7.303E-01	1.059E+00	7.701E-02	-1.592
PA-231	7.904E+00		9.840E+00	1.585E+01	8.838E-01	0.499
TH-231	0.000E+00		0.000E+00	1.910E-01	2.958E-02	0.000
PA-233	-2.437E-01		1.064E+00	1.779E+00	3.819E-01	-0.137
PA-234	5.802E-01		8.529E-01	1.462E+00	1.034E-01	0.397
PA-234M	-5.882E-01		3.604E+01	6.513E+01	4.036E+00	-0.009
TH-234	-1.982E+00		5.485E+00	1.034E+01	6.389E-01	-0.192
U-235	1.136E+00		1.788E+00	2.997E+00	5.041E-01	0.379
NP-237	-7.115E+00		1.856E+00	2.431E+00	1.655E-01	-2.927
AM-241	-1.413E+00		5.282E-01	7.961E-01	4.904E-02	-1.775

Nuclide	Half-life	Half-Life		Energy	%Abund	Activity 2-Sigma		Rejected by		
		Ratio				(pCi/gram)	%Error			
CO-56	78.76D	0.36		846.75*	99.96	---	Not Found	---	Abun.	
				1037.75	14.03	---	Not Found	---		
				1238.25	67.00	1.214E+00	67.45			
				1771.40	15.51	---	Not Found	---		
				2598.48	16.90	---	Not Found	---		
% Abundances Found =				31.40	(Abn. Limit =	99.96%)				
ZR-95	64.02D	0.44		724.18	43.70	6.260E-01	84.49		Abun.	
				756.72*	55.30	---	Not Found	---		
			% Abundances Found =				44.14			
MO-99	66.02H	10.31		181.06	6.20	---	Not Found	---	Decay, Abun.	
				739.58*	12.80	2.623E+03	137.71			
				778.00	4.50	---	Not Found	---		
			% Abundances Found =				54.47			
AG-108M	127.00Y	0.00		433.93	89.90	---	Not Found	---	Abun.	
				614.37	90.40	2.622E-01	175.53			
				722.95*	90.50	2.222E-01	84.41			
			% Abundances Found =				66.80			
SB-124	60.20D	0.47		602.71*	97.87	---	Not Found	---	Abun.	
				645.85	7.26	---	Not Found	---		
				722.78	11.10	2.509E+00	84.43			
				1691.02	49.00	9.061E-01	90.74			
			% Abundances Found =				36.37			
I-131	8.04D	3.53		284.30	6.05	---	Not Found	---	Abun.	
				364.48*	81.20	---	Not Found	---		
				636.97	7.26	---	Not Found	---		
				722.89	1.80	1.286E+02	84.41			
			% Abundances Found =				1.87			
CS-134	2.06Y	0.04		563.23	8.38	---	Not Found	---	Abun.	
				569.32	15.43	---	Not Found	---		
				604.70*	97.60	2.795E-01	73.51			
				795.84	85.40	---	Not Found	---		
				801.93	8.73	---	Not Found	---		
% Abundances Found =				45.28						
EU-154	8.80Y	0.01		123.07	40.50	---	Not Found	---	Abun.	
				723.30	19.70	1.027E+00	84.41			
				873.19	11.50	---	Not Found	---		
				996.32	10.30	---	Not Found	---		
				1004.76	17.90	4.569E+00	58.09			
				1274.45*	35.50	---	Not Found	---		
% Abundances Found =				27.77						
TL-208	1.41E+10Y	0.00		583.14*	30.22	1.045E+00	107.69		Abun.	
				860.37	4.48	---	Not Found	---		
				2614.66	35.85	---	Not Found	---		
			% Abundances Found =				42.83			

Nuclide	Half-life	Half-Life Ratio	Energy	%Abund	Activity 2-Sigma (pCi/gram)	%Error	Rejected by
BI-214	1602.00Y	0.00	609.31*	46.30	1.396E+00	59.07	Abun.
			1120.29	15.10	---	Not Found	---
			1764.49	15.80	---	Not Found	---
			2204.22	4.98	---	Not Found	---
% Abundances			Found =	56.34			
AC-228	1.41E+10Y	0.00	338.32	11.40	2.802E+00	115.63	Abun.
			911.07*	27.70	---	Not Found	---
			969.11	16.60	---	Not Found	---
% Abundances			Found =	20.47			

Flag: "*" = Keyline

Spectrum : DKA100: [GAMMA, SCUSR, ARCHIVE] SMP_061107103_GE1_GAS60_105391.CNF; 1

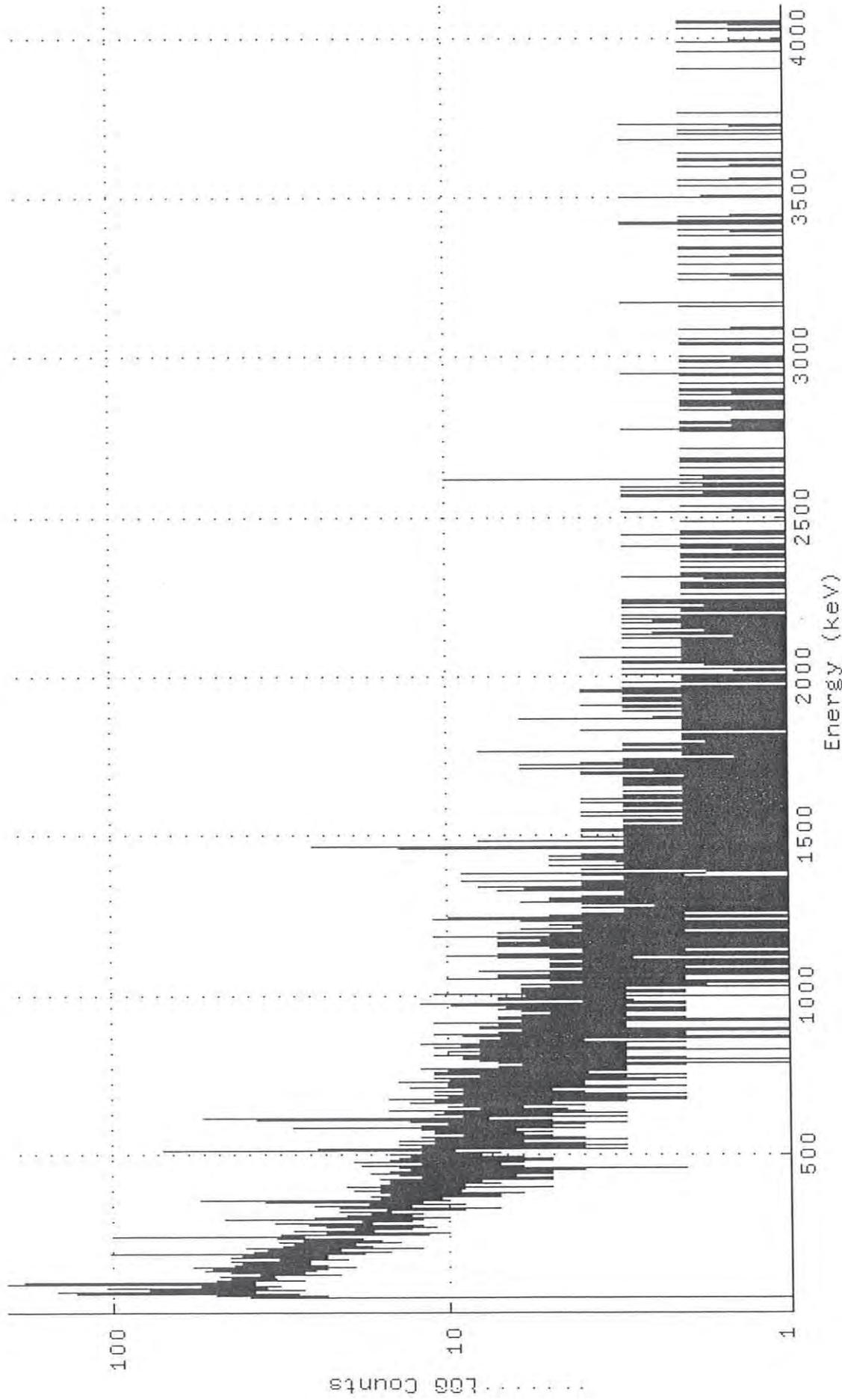
Title :

Sample Title: B-1 (0-3)

Start Time: 11-DEC-2006 07:27 Sample Time: 13-NOV-2006 00:00 Energy Offset: -2.77714E-01

Real Time : 0 02:00:00.69 Sample ID : 0611071-03 Energy Slope : 9.99717E-01

Live Time : 0 02:00:00.00 Sample Type: SLUDGE Energy Quad : 0.000000E+00



Channel

1:	0	0	0	0	0	0	0	0
9:	0	0	0	0	0	0	0	0
17:	0	0	0	0	0	0	0	0
25:	0	0	0	0	0	0	0	0
33:	0	0	0	0	0	0	0	0
41:	0	0	0	0	0	0	0	0
49:	0	20	39	29	49	47	34	23
57:	33	30	43	28	31	41	111	144
65:	64	38	39	40	42	35	27	39
73:	42	60	77	67	91	102	59	44
81:	38	32	42	42	54	44	53	56
89:	38	61	64	107	203	159	58	39
97:	44	38	44	49	39	37	30	27
105:	35	42	33	34	34	39	44	41
113:	38	48	46	35	34	32	25	24
121:	24	21	32	42	31	36	27	30
129:	37	53	38	35	41	25	31	27
137:	38	41	23	40	50	27	49	47
145:	57	19	28	34	24	26	43	36
153:	23	29	32	28	32	35	41	36
161:	44	33	38	39	26	30	25	29
169:	29	32	20	26	33	24	25	44
177:	34	26	27	41	23	31	29	28
185:	41	100	91	41	21	15	33	19
193:	23	32	38	21	32	33	32	32
201:	30	40	24	20	34	12	17	27
209:	24	17	31	23	26	21	29	29
217:	22	23	19	24	32	14	23	18
225:	24	17	20	16	27	27	21	26
233:	31	18	19	23	24	44	99	61
241:	27	33	42	24	15	23	17	25
249:	13	10	23	17	15	15	12	23
257:	29	22	18	23	22	16	17	18
265:	13	16	16	23	11	14	17	21
273:	22	17	14	12	14	26	15	33
281:	19	21	21	19	19	15	18	14
289:	14	13	16	12	22	15	28	46
297:	28	18	10	20	18	25	16	20
305:	19	15	13	15	14	15	12	17
313:	13	15	17	17	16	21	15	15
321:	17	14	14	12	11	9	12	18
329:	7	16	18	11	21	13	17	14
337:	20	25	21	14	12	14	9	12
345:	11	18	18	13	14	12	24	51
353:	54	26	12	13	10	11	14	16
361:	12	11	12	13	17	9	16	7
369:	11	15	7	13	13	7	9	13
377:	8	13	11	16	6	14	19	15
385:	14	17	10	15	14	16	9	14
393:	10	8	10	20	5	15	11	16
401:	11	9	9	15	11	12	12	7
409:	15	13	11	10	10	8	12	11
417:	14	16	11	13	13	8	5	12
425:	8	11	10	5	10	14	9	11

433:	11	14	8	5	17	10	13	16
441:	12	15	9	9	11	7	5	9
449:	6	4	12	13	6	8	10	14
457:	11	2	11	14	8	18	7	6
465:	8	8	9	7	12	8	11	9
473:	6	6	19	8	10	5	12	6
481:	9	15	5	8	14	10	10	5
489:	9	8	13	8	6	11	6	15
497:	11	11	10	11	8	12	10	7
505:	12	8	7	13	14	29	58	69
513:	33	18	7	3	8	7	6	7
521:	11	6	6	12	4	8	9	3
529:	12	5	14	5	7	8	7	4
537:	11	6	7	10	13	9	14	3
545:	8	8	5	9	11	4	6	12
553:	9	6	5	9	5	5	5	5
561:	9	7	7	11	6	8	6	9
569:	7	9	6	11	5	8	8	7
577:	8	11	12	4	7	7	17	29
585:	16	9	6	7	11	6	5	8
593:	6	8	4	10	9	7	13	13
601:	11	12	3	8	9	17	11	13
609:	26	53	22	10	8	14	8	7
617:	6	5	3	9	8	8	9	5
625:	8	11	10	10	7	10	3	5
633:	7	15	6	5	5	7	4	5
641:	8	7	6	6	5	10	6	7
649:	7	6	6	6	4	6	9	5
657:	9	7	10	8	5	7	13	3
665:	10	8	6	3	8	15	7	3
673:	6	2	3	9	7	2	3	8
681:	10	7	3	11	6	3	3	6
689:	2	4	9	7	9	8	5	4
697:	11	8	8	9	5	6	7	6
705:	5	13	8	7	3	5	9	10
713:	3	8	4	3	2	8	10	4
721:	5	4	5	10	4	7	4	13
729:	14	7	7	6	5	6	3	2
737:	5	11	3	6	3	7	3	8
745:	6	4	5	4	2	5	6	11
753:	3	5	11	5	5	4	7	5
761:	9	3	5	6	10	7	12	9
769:	11	10	3	4	7	3	5	3
777:	5	4	5	3	2	3	6	6
785:	3	1	2	5	7	4	3	4
793:	8	3	7	9	6	4	4	5
801:	1	6	4	9	4	2	4	11
809:	7	8	9	3	7	3	5	8
817:	5	6	4	10	6	6	7	3
825:	4	4	8	3	6	0	5	4
833:	11	2	4	7	11	6	8	9
841:	7	3	7	12	3	8	6	4
849:	3	3	4	2	8	7	5	5
857:	4	5	5	7	8	6	1	5
865:	4	3	5	7	1	4	9	8
873:	4	2	7	2	11	2	5	5
881:	5	3	3	7	4	1	3	6
889:	3	5	3	3	8	1	8	3
897:	6	7	5	8	5	5	3	6
905:	3	3	3	5	7	6	9	11

913:	6	3	5	4	6	4	1	3
921:	5	7	5	0	5	4	7	5
929:	4	3	2	2	7	5	5	6
937:	3	6	3	5	4	4	3	5
945:	5	2	3	6	4	3	6	3
953:	4	2	2	7	3	6	2	5
961:	5	5	5	9	8	5	7	3
969:	8	12	8	3	2	3	3	3
977:	3	2	4	2	2	4	3	7
985:	4	3	3	5	7	4	3	5
993:	7	5	5	5	1	2	3	5
1001:	11	6	9	5	3	6	3	5
1009:	2	6	4	2	2	5	6	2
1017:	5	4	3	4	6	4	3	5
1025:	5	4	4	4	1	3	3	5
1033:	6	5	4	1	4	3	2	4
1041:	3	3	3	5	1	1	2	4
1049:	2	10	6	2	6	7	2	5
1057:	5	4	3	3	1	3	3	7
1065:	5	5	0	5	2	2	3	2
1073:	8	4	1	4	5	3	3	4
1081:	3	3	1	4	2	5	4	4
1089:	2	2	3	3	0	5	1	2
1097:	3	5	4	1	3	1	4	2
1105:	4	1	1	5	1	4	2	3
1113:	2	4	6	5	7	3	3	10
1121:	9	6	3	7	1	7	2	3
1129:	3	2	1	0	2	3	2	4
1137:	2	4	3	2	2	4	3	5
1145:	1	4	5	5	3	3	3	0
1153:	7	4	2	7	4	3	4	0
1161:	1	3	7	0	5	3	3	5
1169:	4	3	1	1	4	7	5	2
1177:	1	5	5	4	11	1	3	3
1185:	6	1	5	3	0	4	2	2
1193:	2	3	0	7	1	4	4	4
1201:	3	3	2	4	1	3	3	2
1209:	6	3	2	1	4	2	3	4
1217:	5	0	0	3	1	0	4	4
1225:	3	3	3	1	4	6	2	3
1233:	3	3	2	4	4	3	11	9
1241:	2	4	5	3	1	1	2	5
1249:	1	1	3	3	3	3	3	4
1257:	2	2	1	2	3	1	2	2
1265:	2	2	0	3	2	4	3	4
1273:	1	3	3	2	2	2	1	2
1281:	1	3	1	3	1	4	0	6
1289:	3	2	4	3	1	1	4	3
1297:	4	5	3	2	1	3	0	5
1305:	2	4	2	0	0	1	2	2
1313:	3	3	2	1	3	2	2	0
1321:	2	3	0	1	2	4	4	5
1329:	7	5	2	0	5	1	4	3
1337:	1	4	0	8	2	1	4	1
1345:	2	1	2	4	3	1	0	3
1353:	0	1	0	1	9	3	5	1
1361:	1	3	2	2	3	3	1	1
1369:	3	1	4	3	3	2	2	3
1377:	5	4	9	3	3	3	0	0
1385:	0	1	1	0	2	3	2	0

1393:	4	2	3	2	1	1	1	1
1401:	3	3	5	1	1	1	1	2
1409:	1	1	3	2	1	1	1	2
1417:	1	2	5	0	1	1	3	2
1425:	1	4	3	3	2	1	0	5
1433:	1	1	1	1	2	1	2	4
1441:	1	1	3	3	1	2	1	2
1449:	1	1	1	1	2	3	0	0
1457:	2	2	2	8	24	25	11	2
1465:	0	4	2	1	3	0	1	1
1473:	1	3	2	2	3	1	2	0
1481:	8	4	5	1	3	1	2	2
1489:	0	3	1	1	0	2	4	1
1497:	0	3	1	2	1	2	3	1
1505:	0	1	1	2	2	4	2	4
1513:	3	1	2	0	4	1	1	4
1521:	0	3	3	1	0	2	2	1
1529:	2	0	3	2	0	0	2	2
1537:	0	2	2	3	2	2	1	2
1545:	2	2	2	3	1	0	0	2
1553:	1	0	0	0	2	4	3	2
1561:	0	1	0	0	1	0	2	2
1569:	1	1	4	2	1	0	1	0
1577:	3	1	0	3	1	1	1	0
1585:	2	2	1	2	2	3	1	1
1593:	3	3	3	3	0	0	1	0
1601:	1	4	0	2	1	0	2	1
1609:	2	2	0	4	1	2	2	1
1617:	3	1	0	3	2	1	2	1
1625:	3	2	1	2	2	0	0	1
1633:	0	1	0	3	2	0	1	0
1641:	2	2	1	2	0	2	1	0
1649:	2	2	2	2	0	3	1	0
1657:	1	0	3	0	1	3	1	2
1665:	2	3	0	0	1	1	1	0
1673:	3	2	1	1	1	3	1	2
1681:	2	1	0	0	1	0	1	1
1689:	4	3	3	0	1	3	1	0
1697:	2	4	1	4	0	1	1	1
1705:	0	1	6	2	0	2	2	0
1713:	3	1	0	0	0	1	6	1
1721:	0	0	1	2	3	0	2	1
1729:	2	4	1	2	0	0	3	0
1737:	0	3	1	0	1	0	1	0
1745:	0	1	0	0	2	1	0	0
1753:	1	2	2	1	1	2	1	1
1761:	0	3	0	3	8	5	0	1
1769:	2	3	0	1	0	1	0	1
1777:	2	1	0	1	1	1	0	3
1785:	0	1	0	0	1	3	0	1
1793:	0	1	1	1	1	2	1	2
1801:	1	2	1	0	0	0	2	1
1809:	2	2	1	1	1	1	1	2
1817:	0	1	2	0	0	0	1	0
1825:	0	1	1	2	3	0	4	1
1833:	1	1	0	1	1	2	0	1
1841:	1	0	1	2	0	0	2	1
1849:	2	1	0	0	1	1	0	2
1857:	0	0	2	0	2	1	3	0
1865:	1	0	3	6	1	0	0	2

1873:	1	0	0	1	2	1	1	2
1881:	2	1	1	1	1	1	0	1
1889:	3	2	2	2	1	2	2	1
1897:	1	0	0	0	3	1	0	3
1905:	1	0	4	1	1	3	1	2
1913:	1	2	1	1	1	2	2	3
1921:	1	2	0	3	0	0	2	0
1929:	1	0	3	1	0	0	2	1
1937:	0	0	0	1	3	2	2	3
1945:	0	0	1	4	1	0	1	0
1953:	0	0	0	0	4	2	2	1
1961:	3	0	1	0	0	0	1	2
1969:	1	0	1	0	0	1	0	1
1977:	1	3	1	1	2	0	2	0
1985:	0	0	0	2	2	1	1	0
1993:	0	0	0	1	2	1	2	1
2001:	0	2	0	3	1	1	1	1
2009:	0	0	1	1	0	0	1	0
2017:	0	0	2	3	0	0	1	0
2025:	1	1	0	0	1	1	0	1
2033:	0	0	0	1	3	1	0	0
2041:	0	1	1	3	3	1	1	2
2049:	1	2	1	1	1	0	0	2
2057:	0	1	0	4	1	2	1	0
2065:	0	1	1	0	1	2	1	2
2073:	0	2	0	0	0	0	1	2
2081:	2	0	0	2	1	0	1	1
2089:	3	1	1	0	1	1	1	2
2097:	0	0	0	0	2	0	1	2
2105:	0	0	2	0	1	2	0	0
2113:	2	0	1	0	0	0	3	2
2121:	1	1	0	0	1	1	0	1
2129:	0	0	0	3	2	0	2	1
2137:	1	0	1	0	0	0	0	1
2145:	3	1	1	2	0	0	0	2
2153:	1	1	1	2	2	2	0	0
2161:	0	0	1	1	1	3	3	2
2169:	2	0	1	1	1	2	3	2
2177:	2	1	1	2	1	2	0	0
2185:	2	1	3	0	2	0	2	1
2193:	1	0	1	0	0	1	0	2
2201:	0	2	0	2	2	1	1	1
2209:	2	0	1	1	0	0	2	3
2217:	1	1	1	1	0	0	3	1
2225:	1	1	0	0	0	0	1	1
2233:	1	3	2	0	2	3	0	1
2241:	0	0	0	1	1	1	0	0
2249:	0	0	0	1	0	1	1	0
2257:	2	1	1	1	0	1	0	0
2265:	1	0	0	0	1	1	1	1
2273:	0	2	0	0	2	1	1	2
2281:	2	0	1	0	2	0	1	1
2289:	0	2	0	0	0	0	1	0
2297:	0	1	0	0	0	0	0	0
2305:	0	1	3	0	2	0	0	2
2313:	0	1	1	2	0	0	2	2
2321:	2	0	2	1	0	0	0	1
2329:	0	1	0	1	1	1	0	0
2337:	0	2	1	0	0	1	0	1
2345:	0	0	1	0	0	0	0	0

2353:	0	0	0	1	2	1	0	0
2361:	0	1	1	1	0	0	0	0
2369:	2	1	0	1	1	0	1	1
2377:	2	0	1	2	0	1	0	1
2385:	0	0	0	0	1	0	0	1
2393:	1	0	1	0	2	0	0	0
2401:	2	2	0	3	0	2	1	0
2409:	0	2	1	1	1	0	1	1
2417:	0	1	1	1	0	0	0	0
2425:	0	1	0	2	1	0	1	0
2433:	1	1	1	0	1	0	0	1
2441:	1	3	1	0	0	1	2	0
2449:	0	0	0	0	0	2	0	0
2457:	0	0	0	0	0	1	0	0
2465:	1	0	0	0	1	0	0	0
2473:	0	0	1	0	1	0	0	0
2481:	0	0	0	1	2	0	0	0
2489:	0	0	0	0	0	0	0	0
2497:	0	1	1	0	0	1	0	0
2505:	0	1	1	1	0	1	0	2
2513:	2	3	0	2	1	0	0	1
2521:	0	0	0	0	0	0	0	1
2529:	0	1	2	1	1	0	0	0
2537:	0	0	0	0	0	0	1	0
2545:	0	1	1	0	0	0	0	1
2553:	0	0	0	0	0	1	0	1
2561:	0	0	0	3	1	0	0	0
2569:	1	3	1	0	0	0	0	0
2577:	3	2	1	0	0	0	0	0
2585:	0	0	1	0	1	1	1	0
2593:	0	3	0	1	1	0	0	1
2601:	2	0	0	1	0	0	0	1
2609:	0	1	1	1	1	4	10	2
2617:	1	3	0	1	1	1	0	1
2625:	0	0	1	2	0	0	0	0
2633:	1	0	1	1	0	0	0	0
2641:	0	0	0	0	0	0	0	0
2649:	0	1	1	2	0	1	0	0
2657:	0	0	0	1	1	0	0	1
2665:	1	0	0	2	0	0	0	1
2673:	2	1	1	2	0	0	0	2
2681:	1	0	1	0	1	1	0	0
2689:	0	1	0	0	0	0	0	1
2697:	0	0	0	0	0	0	0	0
2705:	0	1	0	0	0	2	0	0
2713:	1	0	1	0	1	0	1	0
2721:	0	1	1	0	1	0	1	0
2729:	0	0	0	1	1	0	1	0
2737:	0	1	1	0	0	1	0	0
2745:	0	0	1	0	0	0	1	0
2753:	0	1	1	0	0	0	1	0
2761:	0	0	1	2	0	0	0	0
2769:	1	0	0	3	1	1	0	0
2777:	0	2	0	0	1	0	1	0
2785:	0	2	0	0	0	0	1	0
2793:	2	2	1	0	2	0	1	0
2801:	0	0	0	0	0	1	0	0
2809:	1	1	0	1	0	1	0	0
2817:	0	0	0	1	0	0	1	0
2825:	0	0	0	0	0	0	2	1

2833:	0	0	1	0	0	0	1	2
2841:	2	0	1	0	0	0	2	1
2849:	0	0	2	0	1	2	0	1
2857:	1	0	1	2	1	0	0	1
2865:	0	1	1	0	1	0	0	0
2873:	1	0	0	0	0	0	2	0
2881:	0	0	1	0	1	1	1	2
2889:	0	0	1	0	0	0	0	2
2897:	0	1	0	0	0	0	1	1
2905:	0	1	0	1	0	0	1	0
2913:	0	0	1	2	0	0	0	0
2921:	1	0	0	0	1	0	0	0
2929:	0	1	0	1	0	0	0	1
2937:	0	0	0	2	0	0	1	1
2945:	0	3	1	0	1	1	1	0
2953:	1	1	0	0	0	0	0	0
2961:	0	1	2	0	1	1	0	1
2969:	0	0	1	0	0	1	1	1
2977:	0	0	2	0	1	0	1	0
2985:	0	0	1	2	2	0	1	0
2993:	0	0	0	0	1	0	0	2
3001:	0	0	0	0	0	0	0	0
3009:	1	0	0	0	1	0	1	0
3017:	0	0	0	0	0	0	0	0
3025:	0	0	0	0	0	0	0	1
3033:	0	1	1	0	2	0	0	0
3041:	0	2	0	0	1	1	0	0
3049:	0	0	0	1	0	2	0	0
3057:	0	0	0	1	0	0	0	1
3065:	0	0	0	0	0	0	1	1
3073:	0	0	1	0	1	0	0	0
3081:	0	0	0	0	2	0	0	0
3089:	1	1	0	1	0	1	1	1
3097:	0	0	0	0	1	0	0	1
3105:	0	1	1	0	0	0	0	1
3113:	0	1	1	1	1	0	0	0
3121:	0	0	1	0	1	1	0	0
3129:	1	1	1	1	0	0	0	1
3137:	1	0	0	0	1	0	0	1
3145:	1	1	0	1	0	1	0	1
3153:	1	2	0	0	0	0	0	0
3161:	0	0	0	0	3	0	0	0
3169:	0	0	1	0	0	0	1	0
3177:	0	0	0	0	1	0	0	1
3185:	0	1	0	0	1	1	1	1
3193:	1	0	0	1	0	0	0	0
3201:	1	1	0	0	0	0	0	1
3209:	0	0	0	0	0	0	0	1
3217:	0	1	1	0	0	0	0	0
3225:	0	1	0	0	0	0	1	0
3233:	1	0	0	0	0	0	2	0
3241:	0	0	0	0	0	0	1	0
3249:	1	0	1	0	1	2	0	0
3257:	0	2	0	0	0	0	1	0
3265:	0	0	1	0	0	0	0	0
3273:	0	0	0	1	0	0	0	0
3281:	0	0	1	0	0	1	0	2
3289:	1	0	1	0	0	1	0	0
3297:	0	1	1	1	0	0	0	0
3305:	0	1	1	1	0	0	0	0

3313:	2	1	0	0	0	0	0	1
3321:	0	0	0	0	0	0	1	0
3329:	0	0	0	1	2	0	1	0
3337:	1	0	0	0	2	0	0	0
3345:	0	0	0	0	0	0	1	1
3353:	0	0	0	1	1	1	0	0
3361:	0	1	1	0	0	0	0	0
3369:	0	0	1	0	1	1	2	0
3377:	1	0	1	0	0	0	0	1
3385:	0	0	0	1	1	0	0	2
3393:	0	1	0	0	1	0	0	0
3401:	0	1	0	0	0	0	0	1
3409:	0	0	0	3	0	1	0	1
3417:	0	2	1	3	0	0	0	0
3425:	0	2	0	0	0	0	0	0
3433:	0	0	0	0	0	1	2	0
3441:	0	0	1	1	0	1	0	1
3449:	0	0	0	0	1	0	0	0
3457:	0	0	0	0	0	0	1	1
3465:	1	0	0	0	0	0	1	1
3473:	0	0	0	0	0	1	1	0
3481:	1	0	0	1	0	0	1	0
3489:	1	1	1	0	1	0	0	0
3497:	0	0	3	1	0	1	1	0
3505:	0	0	0	1	0	0	0	0
3513:	0	0	0	0	0	1	1	0
3521:	1	0	0	1	1	1	0	0
3529:	0	0	0	0	1	2	1	0
3537:	1	1	0	0	0	0	0	0
3545:	0	1	0	0	0	0	0	0
3553:	2	0	0	0	0	0	1	0
3561:	0	0	0	0	1	0	0	0
3569:	0	0	1	0	0	0	0	1
3577:	0	0	0	1	0	0	0	1
3585:	0	0	0	0	0	0	0	0
3593:	0	0	2	1	1	0	1	0
3601:	0	0	1	0	0	0	0	1
3609:	0	0	2	0	0	0	1	2
3617:	0	0	0	0	0	0	0	0
3625:	0	1	0	0	1	0	1	1
3633:	2	0	0	0	0	0	0	0
3641:	0	0	1	0	1	1	0	0
3649:	0	0	0	0	0	0	0	0
3657:	0	0	0	1	0	0	0	0
3665:	0	0	1	1	0	1	0	1
3673:	0	0	0	0	3	0	1	1
3681:	0	0	0	1	1	0	0	0
3689:	1	0	0	0	0	0	2	0
3697:	0	0	0	0	1	1	0	1
3705:	2	1	0	0	1	0	0	0
3713:	0	0	1	1	1	0	0	0
3721:	0	2	0	0	3	0	0	0
3729:	0	0	0	0	1	1	0	1
3737:	1	0	0	0	0	0	0	1
3745:	1	1	0	1	0	0	0	0
3753:	0	0	1	0	0	1	2	0
3761:	0	0	0	0	0	0	0	0
3769:	0	1	1	0	1	0	0	0
3777:	0	1	0	0	0	1	0	0
3785:	0	1	0	0	0	0	0	0

3793:	0	0	1	0	0	0	0	0
3801:	0	0	0	0	0	0	0	0
3809:	0	0	0	1	0	0	0	1
3817:	0	0	0	0	0	1	1	1
3825:	0	0	0	1	1	1	0	0
3833:	0	0	0	1	0	0	0	0
3841:	0	1	0	0	0	0	1	0
3849:	0	0	0	1	0	0	1	0
3857:	0	1	0	1	0	1	0	0
3865:	0	0	1	0	1	0	0	0
3873:	0	1	1	0	0	0	0	0
3881:	0	1	0	1	0	1	0	1
3889:	0	0	0	0	1	0	0	1
3897:	0	2	1	2	1	0	0	1
3905:	0	0	1	1	1	0	1	0
3913:	0	0	1	0	0	1	1	0
3921:	0	0	0	0	0	0	0	0
3929:	1	0	0	0	0	0	0	0
3937:	1	0	0	1	1	0	0	0
3945:	1	0	0	0	1	0	0	0
3953:	2	0	0	0	0	0	0	0
3961:	0	0	1	1	0	0	0	0
3969:	0	0	0	0	0	1	0	0
3977:	0	0	1	0	0	0	0	1
3985:	2	0	1	0	0	0	0	1
3993:	0	0	1	0	1	0	0	0
4001:	0	1	0	1	0	0	0	0
4009:	1	0	0	0	0	0	0	0
4017:	0	0	1	0	0	2	0	1
4025:	1	0	0	1	0	0	0	0
4033:	0	0	0	1	0	0	0	2
4041:	0	1	0	0	0	0	0	2
4049:	1	0	0	0	0	1	0	0
4057:	0	0	0	1	0	0	0	0
4065:	0	0	0	0	0	0	0	0
4073:	0	0	0	0	0	0	0	0
4081:	0	0	0	0	0	0	0	1
4089:	0	0	0	0	1	1	0	0

W2 12-11-06

VAX/VMS Peak Search Report Generated 11-DEC-2006 11:38:51.84

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107104_GE1_GAS60_105397.CN
 Analyses by : PEAK V16.9 ENBACK V1.6 PEAKEFF V2.2
 Client ID : B-1 (0-3)
 Deposition Date :
 Sample Date : 13-NOV-2006 00:00:00 Acquisition date : 11-DEC-2006 09:38:39
 Sample ID : 0611071-04 Sample Quantity : 1.87500E+01 gram
 Sample type : SLUDGE Sample Geometry : 0
 Detector name : GE1 Detector Geometry: GAS-60
 Elapsed live time: 0 02:00:00.00 Elapsed real time: 0 02:00:00.69 0.0%
 Start channel : 5 End channel : 4096
 Sensitivity : 2.40000 Gaussian : 15.00000
 Critical level : Yes

Post-NID Peak Search Report

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
0	76.03*	120	551	3.16	76.33	72	12	82.3		
0	186.04*	118	276	2.65	186.37	180	14	67.4		RA-226
0	239.52*	115	231	2.02	239.86	235	11	56.5		PB-212 RA-224
0	295.04*	55	134	1.79	295.40	291	9	84.0		
3	326.90	40	110	2.92	327.27	323	21	100.0	9.97E-01	
3	338.62	46	105	2.93	338.99	323	21	87.4		
5	348.54	21	33	2.34	348.92	347	14	80.5	4.15E+00	
3	502.22	20	68	3.09	502.64	499	20	136.9	1.38E+00	
0	539.38	19	34	4.63	539.81	537		7113.0		
0	583.78*	36	63	2.03	584.23	580	10	96.6		TL-208
0	609.86*	60	62	2.29	610.31	605	12	66.0		BI-214
0	627.30	21	45	4.74	627.75	623		8108.9		
0	674.41	34	37	5.64	674.88	671	9	73.4		
0	712.03	28	50	6.47	712.51	707		11106.2		
0	728.32	19	36	3.00	728.80	725		8120.5		BI-212
0	869.33	26	39	7.55	869.85	864		14108.3		
0	982.75	27	17	4.76	983.30	979	9	67.3		
0	1031.35	18	12	2.57	1031.92	1028	7	80.5		
0	1071.75	23	23	1.27	1072.33	1065	15	98.7		
0	1120.97	28	21	1.50	1121.57	1115	12	75.1		BI-214
0	1460.97*	52	28	2.30	1461.66	1457	12	53.0		K-40
0	1763.82*	10	5	2.79	1764.60	1759		10133.1		BI-214
0	1817.58	8	6	7.61	1818.38	1813		11134.9		
0	2246.36	11	0	4.06	2247.27	2244	8	60.3		
0	2613.69*	15	4	8.41	2614.70	2608	14	87.2		TL-208

*AG
12/12/06*

Total number of lines in spectrum 25
 Number of unidentified lines 13
 Number of lines tentatively identified by NID 12 48.00%

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/gram	Decay Corr pCi/gram			
K-40	1.28E+09Y	1.00	1.164E+01	1.164E+01	0.621E+01	53.33	
TL-208	1.41E+10Y	1.00	1.427E+00	1.427E+00	0.929E+00	65.06	
BI-212	1.41E+10Y	1.00	2.182E+00	2.182E+00	2.635E+00	120.75	
PB-212	1.41E+10Y	1.00	1.455E+00	1.455E+00	0.828E+00	56.86	
BI-214	1602.00Y	1.00	1.765E+00	1.765E+00	0.876E+00	49.65	
RA-224	1.41E+10Y	1.00	1.654E+01	1.654E+01	0.941E+01	56.86	
RA-226	1602.00Y	1.00	1.727E+01	1.727E+01	3.368E+01	195.07	
Total Activity :			5.228E+01	5.228E+01			

Grand Total Activity : 5.228E+01 5.228E+01

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
K-40	1460.81	10.67*	8.337E-01	1.164E+01	1.164E+01	53.33	OK
Final Mean for 1 Valid Peaks = 1.164E+01+/- 6.207E+00 (53.33%)							
TL-208	583.14	30.22*	1.753E+00	1.349E+00	1.349E+00	96.92	OK
	860.37	4.48	1.264E+00	-----	Line Not Found	-----	Absent
	2614.66	35.85	5.643E-01	1.507E+00	1.507E+00	87.52	OK
Final Mean for 2 Valid Peaks = 1.427E+00+/- 9.286E-01 (65.06%)							
BI-212	727.17	11.80*	1.455E+00	2.182E+00	2.182E+00	120.75	OK
	1620.62	2.75	7.730E-01	-----	Line Not Found	-----	Absent
Final Mean for 1 Valid Peaks = 2.182E+00+/- 2.635E+00 (120.75%)							
PB-212	238.63	44.60*	3.558E+00	1.455E+00	1.455E+00	56.86	OK
	300.09	3.41	3.015E+00	-----	Line Not Found	-----	Absent
Final Mean for 1 Valid Peaks = 1.455E+00+/- 8.276E-01 (56.86%)							
BI-214	609.31	46.30*	1.689E+00	1.524E+00	1.524E+00	66.50	OK
	1120.29	15.10	1.021E+00	3.659E+00	3.659E+00	75.36	OK
	1764.49	15.80	7.280E-01	1.693E+00	1.693E+00	133.21	OK
	2204.22	4.98	6.273E-01	-----	Line Not Found	-----	Absent
Final Mean for 3 Valid Peaks = 1.765E+00+/- 8.764E-01 (49.65%)							
RA-224	240.98	3.95*	3.534E+00	1.654E+01	1.654E+01	56.86	OK
Final Mean for 1 Valid Peaks = 1.654E+01+/- 9.406E+00 (56.86%)							
RA-226	186.21	3.28*	4.158E+00	1.727E+01	1.727E+01	195.07	OK
Final Mean for 1 Valid Peaks = 1.727E+01+/- 3.368E+01 (195.07%)							

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/gram)	Act error	MDA (pCi/gram)	MDA error	Act/MDA
K-40	1.164E+01	6.207E+00	4.908E+00	2.876E-01	2.371
TL-208	1.427E+00	9.286E-01	1.276E+00	9.458E-02	1.118
BI-212	2.182E+00	2.635E+00	3.744E+00	2.959E-01	0.583
PB-212	1.455E+00	8.276E-01	7.190E-01	4.596E-02	2.024
BI-214	1.765E+00	8.764E-01	9.721E-01	7.472E-02	1.816
RA-224	1.654E+01	9.406E+00	8.177E+00	5.194E-01	2.023
RA-226	1.727E+01	3.368E+01	8.763E+00	1.604E+01	1.970

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
BE-7	-2.047E+00		3.161E+00	5.037E+00	3.162E-01	-0.406
NA-22	1.259E-01		2.836E-01	5.550E-01	3.088E-02	0.227
AL-26	3.958E-02		2.248E-01	4.138E-01	2.230E-02	0.096
CR-51	6.476E-02		4.818E+00	7.295E+00	4.564E-01	0.009
MN-54	-3.828E-02		2.671E-01	4.821E-01	3.380E-02	-0.079
CO-56	-4.479E-02		3.573E-01	6.415E-01	4.416E-02	-0.070
CO-57	6.696E-02		1.932E-01	3.377E-01	2.388E-02	0.198
CO-58	2.773E-01		3.542E-01	6.916E-01	5.030E-02	0.401
FE-59	9.297E-02		7.477E-01	1.396E+00	9.717E-02	0.067
CO-60	1.068E-02		3.215E-01	5.854E-01	3.372E-02	0.018
ZN-65	2.667E-01		6.024E-01	1.063E+00	6.334E-02	0.251
SE-75	-3.580E-01		3.915E-01	6.252E-01	3.735E-02	-0.573
RB-83	-6.308E-02		6.613E-01	1.057E+00	1.552E-01	-0.060
KR-85	2.932E+02		7.593E+01	1.563E+02	1.043E+01	1.876
SR-85	1.728E+00		4.477E-01	9.214E-01	6.148E-02	1.876
Y-88	-1.801E-01		2.509E-01	3.946E-01	2.118E-02	-0.456
NB-93M	0.000E+00		0.000E+00	8.253E-01	3.528E-01	0.000
NB-94	4.601E-02		2.677E-01	4.971E-01	3.287E-02	0.093
NB-95	-9.969E-02		4.797E-01	8.327E-01	6.361E-02	-0.120
NB-95M	4.092E+02		2.184E+02	3.703E+02	2.385E+01	1.105
ZR-95	1.618E-01		6.198E-01	1.160E+00	1.005E-01	0.140
RU-103	-2.215E-01		5.093E-01	7.234E-01	9.387E-02	-0.306
RU-106	2.497E+00		3.111E+00	4.841E+00	6.222E-01	0.516
AG-108M	3.745E-02		3.458E-01	4.830E-01	3.830E-02	0.078
CD-109	-4.192E+01		8.520E+00	8.655E+00	7.847E-01	-4.843
AG-110M	-3.660E-01		2.879E-01	4.601E-01	3.768E-02	-0.796
SN-113	-6.239E-02		3.932E-01	6.594E-01	3.798E-02	-0.095
TE123M	5.167E-02		2.387E-01	4.125E-01	2.958E-02	0.125
SB-124	1.177E-01		3.988E-01	6.598E-01	5.027E-02	0.178
I-125	0.000E+00		0.000E+00	3.651E-01	3.436E-02	0.000
SB-125	1.253E-01		7.122E-01	1.235E+00	7.391E-02	0.101
SB-126	-6.729E-01		3.543E+00	3.947E+00	3.136E-01	-0.170
SN-126	-4.066E+00		7.849E-01	8.298E-01	5.687E-02	-4.900
SB-127	-1.179E+01		1.284E+02	2.148E+02	1.746E+01	-0.055
I-129	0.000E+00		0.000E+00	3.821E-02	4.589E-03	0.000
I-131	-3.949E-01		3.496E+00	5.216E+00	2.852E-01	-0.076

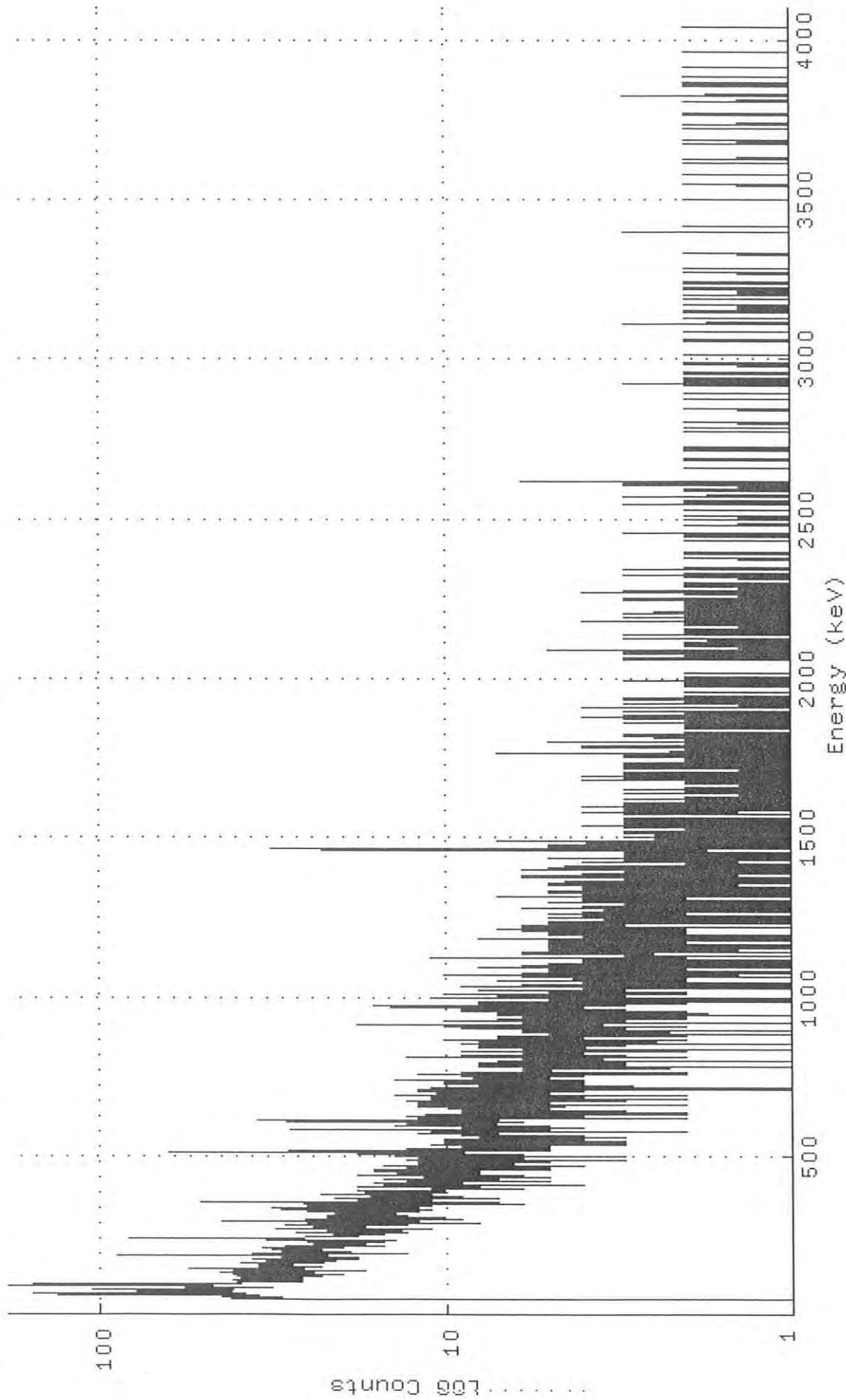
---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
BA-133	2.983E-01		3.764E-01	6.694E-01	7.638E-02	0.446
CS-134	-2.223E-02		3.259E-01	5.155E-01	3.950E-02	-0.043
CS-135	-2.645E-01		1.240E+00	2.078E+00	1.207E-01	-0.127
CS-136	6.475E-01		1.553E+00	2.982E+00	1.930E-01	0.217
CS-137	-2.945E-02		3.155E-01	5.417E-01	4.468E-02	-0.054
CE-139	-1.890E-01		2.393E-01	3.912E-01	2.817E-02	-0.483
BA-140	2.192E+00		4.418E+00	7.478E+00	2.448E+00	0.293
LA-140	5.458E-01		1.347E+00	2.683E+00	1.475E-01	0.203
CE-141	3.602E-01		7.122E-01	1.185E+00	2.770E-01	0.304
CE-144	-7.815E-01		1.570E+00	2.625E+00	1.859E-01	-0.298
PM-144	1.038E-01		2.753E-01	5.162E-01	4.175E-02	0.201
PM-145	0.000E+00		0.000E+00	7.544E-02	4.914E-02	0.000
PM-146	8.448E-02		5.751E-01	9.886E-01	5.952E-02	0.085
ND-147	2.766E+00		1.082E+01	1.804E+01	1.237E+00	0.153
EU-152	1.369E+00		1.846E+00	3.793E+00	3.278E-01	0.361
GD-153	-2.745E-01		7.818E-01	1.323E+00	9.109E-02	-0.208
EU-154	3.272E-01		7.832E-01	1.529E+00	8.509E-02	0.214
EU-155	-3.196E+00		8.443E-01	1.012E+00	6.889E-02	-3.159
EU-156	8.823E+00		9.851E+00	1.900E+01	4.248E+00	0.464
HO-166M	6.870E-01	+	7.316E-01	9.724E-01	7.775E-02	0.707
IR-192	-1.896E-02		6.315E-01	1.068E+00	6.595E-02	-0.018
HG-203	2.455E-02		4.153E-01	6.925E-01	4.103E-02	0.035
BI-207	2.015E-01		2.451E-01	4.692E-01	3.410E-02	0.429
BI-210M	3.013E-01		4.187E-01	7.450E-01	4.429E-02	0.404
PB-210	-1.373E+01		2.695E+00	1.050E+00	7.533E-02	-13.072
PB-211	6.971E+00		7.205E+00	1.322E+01	7.250E-01	0.527
PB-214	4.045E-01		7.048E-01	1.246E+00	6.865E-02	0.325
RN-219	1.184E-01		3.294E+00	5.617E+00	3.061E-01	0.021
RA-223	1.402E+00		6.086E+00	9.389E+00	5.226E-01	0.149
RA-225	0.000E+00		0.000E+00	1.823E-01	1.499E-02	0.000
TH-227	4.498E+00		2.060E+00	3.535E+00	2.275E-01	1.272
AC-228	1.198E+00		1.219E+00	2.370E+00	1.489E-01	0.506
TH-230	-1.031E+00		7.096E-01	1.124E+00	8.174E-02	-0.917
PA-231	-1.505E+00		1.015E+01	1.506E+01	8.392E-01	-0.100
TH-231	0.000E+00		0.000E+00	1.910E-01	2.958E-02	0.000
PA-233	6.621E-01		1.141E+00	1.993E+00	4.280E-01	0.332
PA-234	-2.560E-01		8.215E-01	1.343E+00	9.504E-02	-0.191
PA-234M	-2.180E+01		3.540E+01	6.014E+01	3.727E+00	-0.363
TH-234	-2.606E+00		5.573E+00	1.044E+01	6.449E-01	-0.250
U-235	2.476E+00		1.793E+00	3.040E+00	5.113E-01	0.814
NP-237	-7.753E+00		2.048E+00	2.454E+00	1.671E-01	-3.159
AM-241	-1.336E+00		5.361E-01	8.188E-01	5.044E-02	-1.631

Nuclide	Half-life	Half-Life		Energy	%Abund	Activity 2-Sigma		Rejected by	
		Ratio				(pCi/gram)	%Error		
HO-166M	1200.00Y	0.00		184.41	72.60	---	Not Found	---	Abun.
				280.45	29.60	---	Not Found	---	
				410.94	11.10	---	Not Found	---	
				711.69*	54.10	6.870E-01	106.49		
% Abundances			Found =	32.32					
PB-214	1602.00Y	0.00		295.21	19.19	1.871E+00	84.24		Abun.
				351.92*	37.19	---	Not Found	---	
% Abundances			Found =	34.04					
AC-228	1.41E+10Y	0.00		338.32	11.40	2.943E+00	87.58		Abun.
				911.07*	27.70	---	Not Found	---	
				969.11	16.60	---	Not Found	---	
% Abundances			Found =	20.47					

Flag: "*" = Keyline

Spectrum : DKA100: [GAMMA.SCUSR.ARCHIVE]SMP_061107104_GE1_GAS60_105397.CNF;1
Title :
Sample Title: B-1 (0-3)
Start Time: 11-DEC-2006 09:38 Sample Time: 13-NOV-2006 00:00 Energy Offset: -2.77714E-01
Real Time : 0 02:00:00.69 Sample ID : 0611071-04 Energy Slope : 9.99717E-01
Live Time : 0 02:00:00.00 Sample Type: SLUDGE Energy Quad : 0.000000E+00



Channel

1:	0	0	0	0	0	0	0	0
9:	0	0	0	0	0	0	0	0
17:	0	0	0	0	0	0	0	0
25:	0	0	0	0	0	0	0	0
33:	0	0	0	0	0	0	0	0
41:	0	0	0	0	0	0	0	0
49:	0	28	39	44	44	32	37	30
57:	32	37	40	37	35	37	110	153
65:	58	46	45	40	38	45	47	50
73:	44	47	75	80	87	104	55	41
81:	46	40	32	56	54	37	49	58
89:	47	48	60	102	183	129	59	40
97:	47	47	40	37	36	39	40	40
105:	26	36	41	26	41	31	38	35
113:	39	39	37	26	31	23	38	36
121:	29	40	34	33	20	31	29	41
129:	28	45	29	24	34	32	28	25
137:	40	17	31	33	41	31	33	52
145:	55	39	28	23	35	23	28	32
153:	31	30	34	34	28	35	30	25
161:	39	27	28	30	24	21	25	25
169:	24	33	27	28	18	29	19	36
177:	20	29	18	22	24	30	30	26
185:	54	85	88	44	22	29	36	27
193:	13	26	23	30	28	20	23	19
201:	21	27	26	23	32	24	28	20
209:	34	30	22	22	20	29	22	22
217:	16	15	27	17	22	20	24	24
225:	20	15	20	19	17	25	22	14
233:	33	24	23	23	25	40	81	60
241:	31	31	31	21	20	18	22	18
249:	25	18	15	16	21	17	18	17
257:	13	18	27	19	21	22	22	17
265:	19	17	16	11	26	20	22	31
273:	20	24	17	23	22	20	17	29
281:	20	13	18	18	14	19	25	17
289:	18	8	16	15	12	25	27	44
297:	29	22	15	20	23	9	18	10
305:	22	19	15	13	21	19	22	13
313:	22	18	18	15	18	17	14	19
321:	21	13	12	15	17	21	21	30
329:	16	18	11	15	20	12	15	15
337:	21	16	32	20	17	15	11	12
345:	13	15	6	21	17	17	21	32
353:	51	22	7	15	17	18	11	14
361:	14	15	14	18	12	11	17	7
369:	21	13	9	15	10	15	15	11
377:	13	14	23	13	14	15	13	15
385:	10	17	14	12	18	10	11	16
393:	13	9	6	11	10	10	7	9
401:	8	16	9	12	18	10	15	9
409:	13	4	15	11	13	15	9	9
417:	16	5	11	9	10	13	9	7
425:	13	9	8	10	15	9	5	7

433:	6	9	10	6	14	14	15	18
441:	13	8	10	11	8	8	12	16
449:	13	10	9	14	9	7	5	16
457:	13	11	10	5	6	10	8	9
465:	13	9	7	11	15	13	4	10
473:	12	11	11	7	9	12	5	5
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489:	13	6	9	7	12	10	7	10
497:	3	14	6	12	9	18	12	14
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513:	45	18	6	10	13	5	10	13
521:	7	5	8	6	9	9	8	5
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537:	5	10	10	10	6	9	3	8
545:	6	3	5	10	8	6	10	5
553:	7	4	8	3	4	8	5	8
561:	8	8	8	6	5	4	8	10
569:	10	9	10	12	7	11	2	7
577:	6	6	10	5	10	6	26	28
585:	12	6	9	6	7	4	5	7
593:	5	8	14	6	5	10	12	13
601:	9	12	9	6	6	6	12	14
609:	24	35	19	7	8	8	10	7
617:	2	6	8	12	4	7	4	8
625:	11	7	13	10	11	2	4	9
633:	4	6	7	5	2	7	9	3
641:	4	4	7	8	9	5	9	7
649:	5	8	8	12	7	8	5	6
657:	5	4	5	2	7	12	12	6
665:	5	11	12	6	9	3	7	10
673:	5	13	9	11	11	3	2	5
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689:	5	4	2	6	14	8	6	6
697:	7	6	5	11	10	12	7	10
705:	4	8	1	10	11	12	8	6
713:	8	11	2	7	1	8	3	3
721:	8	5	7	4	4	6	5	10
729:	9	10	5	6	4	6	10	7
737:	7	4	6	7	14	5	8	5
745:	6	6	5	9	5	5	6	4
753:	4	8	6	9	2	2	12	2
761:	4	3	5	9	4	6	6	5
769:	5	5	5	6	4	5	4	4
777:	5	1	3	3	8	3	5	7
785:	3	8	4	7	3	5	5	4
793:	5	3	8	6	0	7	2	1
801:	6	5	4	6	4	4	6	2
809:	13	6	5	5	5	6	9	3
817:	4	7	3	6	4	4	5	5
825:	5	7	4	3	2	9	2	6
833:	1	2	5	6	3	5	8	4
841:	5	7	5	7	5	3	4	4
849:	8	5	6	9	6	5	0	6
857:	4	4	3	6	8	4	2	3
865:	2	10	5	5	5	4	5	6
873:	7	3	4	2	4	2	7	2
881:	5	5	5	3	1	5	3	6
889:	6	6	3	5	6	6	4	1
897:	6	4	4	4	3	9	4	4
905:	10	4	4	4	2	9	9	18

913:	13	5	4	3	3	4	1	6
921:	5	3	5	3	7	4	10	4
929:	2	5	6	7	4	3	3	5
937:	4	6	2	7	3	2	5	4
945:	1	3	6	7	3	4	4	2
953:	4	3	3	9	4	4	9	8
961:	3	5	4	6	4	7	6	7
969:	13	16	5	3	5	3	3	8
977:	2	3	3	5	6	4	7	7
985:	8	3	1	1	5	3	5	5
993:	2	1	11	5	5	2	6	4
1001:	6	5	7	3	4	10	2	2
1009:	4	5	3	4	3	2	4	5
1017:	3	8	3	5	3	5	4	4
1025:	3	3	1	3	2	3	6	6
1033:	9	1	2	3	4	4	1	6
1041:	2	4	4	3	3	1	3	5
1049:	7	6	2	4	5	2	4	3
1057:	3	2	3	6	5	4	6	2
1065:	0	2	2	10	4	3	2	1
1073:	3	1	3	6	6	1	2	2
1081:	1	5	2	4	2	3	5	3
1089:	4	1	8	4	0	0	4	5
1097:	5	0	4	6	1	2	4	1
1105:	4	4	5	3	0	1	4	3
1113:	2	3	1	4	4	4	3	3
1121:	11	6	4	5	4	0	3	1
1129:	3	1	3	3	6	4	5	4
1137:	3	2	3	1	2	6	0	4
1145:	5	4	3	5	2	1	5	1
1153:	1	0	4	4	4	5	3	1
1161:	4	5	0	2	2	3	4	4
1169:	2	2	5	5	4	2	5	4
1177:	4	1	1	7	1	8	4	4
1185:	3	1	2	0	1	4	2	4
1193:	3	3	3	5	1	5	2	5
1201:	5	5	3	2	2	3	3	6
1209:	4	2	6	2	2	5	7	1
1217:	5	1	3	6	3	3	6	3
1225:	3	5	3	3	3	3	5	1
1233:	3	3	2	1	5	1	4	3
1241:	2	2	1	2	3	2	3	1
1249:	1	5	5	1	1	4	2	2
1257:	2	3	5	4	2	5	4	4
1265:	2	1	3	3	2	1	0	2
1273:	2	2	2	6	3	3	4	1
1281:	2	3	2	3	4	4	1	2
1289:	0	1	3	1	0	5	0	5
1297:	4	1	4	2	0	0	4	2
1305:	3	2	2	2	2	4	2	3
1313:	7	0	2	3	0	2	0	2
1321:	4	1	2	1	2	2	5	2
1329:	3	0	0	5	4	2	1	4
1337:	3	1	4	2	1	3	1	4
1345:	1	2	3	3	4	2	2	5
1353:	2	1	1	4	0	2	5	4
1361:	4	3	3	3	0	0	0	2
1369:	3	0	6	5	0	2	3	4
1377:	4	3	6	2	2	2	0	2
1385:	2	2	4	3	2	0	2	2

1393:	1	3	2	6	1	1	1	2
1401:	3	2	0	5	1	5	4	4
1409:	2	2	2	1	0	1	2	1
1417:	1	0	2	2	4	2	3	2
1425:	1	3	1	2	0	2	0	3
1433:	1	5	3	2	2	1	3	2
1441:	3	1	3	1	1	1	2	1
1449:	3	2	2	3	2	1	3	2
1457:	2	2	2	16	32	25	5	2
1465:	1	4	5	2	3	0	2	3
1473:	2	2	1	0	3	5	3	2
1481:	3	3	1	1	7	1	0	5
1489:	0	1	1	2	1	2	1	2
1497:	3	0	2	3	2	3	2	1
1505:	1	0	0	1	0	3	3	3
1513:	2	2	3	2	2	2	3	0
1521:	2	2	2	1	2	2	1	2
1529:	2	1	1	3	2	3	3	4
1537:	3	1	3	1	0	3	0	1
1545:	1	2	1	3	2	0	0	1
1553:	1	3	0	2	1	0	2	2
1561:	3	1	0	1	0	1	0	1
1569:	0	3	1	2	1	2	3	4
1577:	2	2	2	2	1	3	0	0
1585:	3	1	3	2	2	1	0	3
1593:	2	4	1	1	4	1	2	2
1601:	0	1	0	3	0	2	0	1
1609:	1	3	1	0	2	2	1	1
1617:	2	1	0	2	3	1	0	1
1625:	2	2	2	2	1	1	1	1
1633:	0	1	1	1	1	1	1	3
1641:	0	0	1	2	1	0	2	3
1649:	1	0	0	0	0	0	1	2
1657:	1	1	1	1	1	1	1	1
1665:	2	1	1	1	1	1	0	2
1673:	2	0	1	2	0	1	2	4
1681:	0	0	3	3	1	1	1	0
1689:	1	0	3	3	0	4	2	1
1697:	2	3	0	0	0	0	2	1
1705:	3	1	1	0	0	1	1	1
1713:	2	0	1	0	3	1	2	0
1721:	3	1	3	2	3	0	2	2
1729:	1	1	1	1	3	0	0	1
1737:	1	2	1	0	1	1	0	0
1745:	1	1	2	1	1	1	2	3
1753:	0	0	0	1	2	1	1	3
1761:	1	1	0	7	5	5	1	0
1769:	0	1	2	2	0	2	0	1
1777:	2	0	0	1	4	0	1	1
1785:	1	0	2	1	2	4	0	0
1793:	2	1	0	0	3	5	2	1
1801:	0	2	1	0	0	2	0	1
1809:	1	1	1	0	0	2	3	1
1817:	0	0	2	2	3	1	0	2
1825:	2	1	0	2	2	0	1	1
1833:	0	1	1	0	0	0	0	0
1841:	2	0	1	1	1	1	0	1
1849:	2	2	0	2	2	2	1	0
1857:	0	3	2	2	0	0	0	0
1865:	1	0	2	1	2	3	0	0

1873:	2	1	1	1	4	1	1	0
1881:	2	0	1	0	3	3	0	1
1889:	1	2	1	0	0	0	1	1
1897:	3	0	1	0	1	0	0	0
1905:	0	0	0	4	0	0	1	0
1913:	1	1	0	1	2	1	2	3
1921:	1	2	1	2	2	0	0	2
1929:	1	0	2	3	0	0	1	3
1937:	0	0	1	1	1	2	1	1
1945:	1	1	1	1	0	0	1	0
1953:	0	1	1	1	2	0	0	1
1961:	1	1	0	1	1	0	1	1
1969:	1	1	1	0	2	0	1	0
1977:	1	0	1	2	2	1	0	0
1985:	2	1	0	0	0	3	0	1
1993:	1	0	1	2	0	2	1	1
2001:	1	1	2	0	2	1	1	1
2009:	1	1	0	1	1	2	0	1
2017:	0	1	0	0	1	1	0	1
2025:	1	1	0	0	0	1	0	1
2033:	0	0	0	0	0	0	0	1
2041:	1	1	1	1	1	1	1	0
2049:	0	0	0	0	0	1	1	1
2057:	0	0	1	3	1	0	3	1
2065:	0	0	0	0	1	2	0	0
2073:	3	0	0	0	1	0	0	3
2081:	1	1	1	0	0	1	0	5
2089:	1	0	1	1	0	1	1	1
2097:	2	0	0	0	2	2	1	1
2105:	1	2	1	1	0	0	1	2
2113:	0	0	1	1	0	1	1	1
2121:	3	2	2	0	1	0	0	1
2129:	0	0	1	0	0	1	1	0
2137:	3	1	0	2	1	0	1	0
2145:	2	0	0	1	0	0	0	2
2153:	0	0	1	1	1	1	0	1
2161:	1	0	2	1	0	2	0	1
2169:	1	2	1	1	1	0	3	0
2177:	0	1	4	0	2	2	1	0
2185:	0	0	2	0	3	0	2	0
2193:	1	1	0	1	2	1	0	0
2201:	1	0	1	3	2	2	1	1
2209:	1	1	2	1	2	0	0	0
2217:	0	1	0	0	2	0	0	2
2225:	1	1	0	0	2	0	0	0
2233:	0	1	0	1	1	0	0	2
2241:	2	3	0	0	1	3	3	1
2249:	2	1	0	0	1	1	0	0
2257:	1	1	2	0	0	1	1	2
2265:	1	0	4	1	2	0	0	1
2273:	3	0	2	2	0	0	1	1
2281:	0	0	1	2	0	1	1	1
2289:	1	1	0	0	0	2	0	0
2297:	1	2	2	1	1	1	0	1
2305:	0	0	0	1	0	0	0	0
2313:	2	0	0	0	0	0	1	0
2321:	0	0	3	1	2	1	1	0
2329:	2	0	0	1	1	0	0	0
2337:	0	0	1	3	2	2	1	2
2345:	0	2	1	1	0	1	0	1

2353:	1	1	1	1	1	1	0	0
2361:	0	0	0	0	1	1	0	1
2369:	0	0	1	0	2	0	0	0
2377:	0	0	0	1	0	1	0	1
2385:	0	0	0	2	0	0	0	0
2393:	0	0	2	0	1	0	1	1
2401:	1	0	1	1	1	0	0	1
2409:	1	1	1	1	1	0	0	0
2417:	0	0	1	0	0	0	0	0
2425:	1	1	1	2	0	1	0	1
2433:	0	0	1	0	0	0	0	2
2441:	0	1	1	0	0	0	0	1
2449:	1	2	0	0	3	1	1	0
2457:	0	0	1	1	1	0	1	1
2465:	1	0	0	1	1	0	0	1
2473:	1	0	0	0	1	1	0	2
2481:	0	0	0	1	1	0	1	1
2489:	1	0	0	1	0	1	0	2
2497:	0	1	0	0	0	0	1	0
2505:	2	1	2	0	0	1	0	1
2513:	0	0	1	0	0	0	0	0
2521:	0	1	0	0	2	2	0	0
2529:	0	0	0	0	1	0	0	0
2537:	0	0	0	0	1	3	0	2
2545:	1	0	0	0	0	2	1	2
2553:	1	1	0	0	2	0	0	1
2561:	0	0	0	1	0	1	1	2
2569:	0	3	1	1	0	0	0	0
2577:	0	0	0	0	0	1	0	0
2585:	0	2	0	0	0	0	0	1
2593:	0	2	0	0	0	0	0	0
2601:	0	0	0	1	0	3	0	0
2609:	3	1	0	0	2	6	4	5
2617:	5	1	1	1	0	1	0	0
2625:	0	1	0	0	0	0	1	0
2633:	0	0	0	0	0	0	0	1
2641:	0	0	0	1	1	0	0	1
2649:	0	0	0	0	0	0	0	0
2657:	1	2	1	0	1	1	1	1
2665:	0	1	0	1	1	0	1	0
2673:	0	1	0	1	1	1	0	0
2681:	2	1	0	0	1	0	0	0
2689:	2	0	0	0	1	0	0	0
2697:	1	0	0	0	0	0	0	1
2705:	1	1	0	0	1	2	1	1
2713:	0	0	1	0	2	2	2	0
2721:	0	0	1	2	2	1	1	0
2729:	1	0	0	0	1	1	0	0
2737:	0	0	0	0	0	0	1	0
2745:	0	0	1	1	0	0	0	1
2753:	0	0	0	1	0	0	0	0
2761:	1	1	0	1	0	1	1	0
2769:	0	0	2	1	0	0	0	1
2777:	1	0	0	0	0	0	0	2
2785:	0	0	0	0	0	0	1	0
2793:	0	0	0	1	0	2	0	0
2801:	0	0	1	0	0	1	0	0
2809:	1	0	0	0	0	0	1	0
2817:	0	0	0	1	0	1	0	0
2825:	0	1	0	0	0	1	0	1

2833:	0	0	0	0	0	0	1	2
2841:	1	1	0	1	0	0	0	0
2849:	0	1	0	0	0	0	0	0
2857:	0	1	1	0	1	1	0	1
2865:	1	1	0	1	1	0	1	2
2873:	0	0	0	0	0	0	0	1
2881:	0	0	0	1	1	1	0	1
2889:	0	0	2	0	0	0	1	1
2897:	0	0	0	0	0	1	0	0
2905:	0	0	0	1	0	0	0	0
2913:	0	0	0	0	2	0	0	0
2921:	3	0	0	2	0	1	0	0
2929:	1	2	0	0	0	0	2	0
2937:	1	0	1	2	0	1	1	1
2945:	0	0	1	1	0	0	0	0
2953:	2	2	0	0	1	0	1	0
2961:	0	1	1	0	0	0	0	1
2969:	0	0	0	0	0	1	0	0
2977:	0	2	2	0	0	0	0	0
2985:	2	1	0	1	0	1	0	0
2993:	0	0	0	1	0	0	0	0
3001:	0	0	0	0	0	0	1	0
3009:	0	2	1	1	1	1	0	1
3017:	0	0	0	1	0	1	0	0
3025:	0	0	0	0	0	0	0	0
3033:	1	1	1	0	1	0	0	0
3041:	1	0	0	0	1	0	1	1
3049:	0	0	0	1	0	2	0	1
3057:	2	0	1	0	1	0	0	1
3065:	0	0	0	0	0	0	1	0
3073:	0	0	0	0	1	0	1	1
3081:	0	0	0	2	1	0	1	0
3089:	1	0	0	0	0	1	0	0
3097:	1	0	0	1	1	0	1	0
3105:	0	0	1	0	3	1	0	0
3113:	1	0	1	0	1	0	0	0
3121:	0	1	0	0	2	0	1	0
3129:	0	1	1	0	1	1	1	0
3137:	1	0	0	1	0	2	0	0
3145:	0	0	2	1	0	0	2	1
3153:	0	0	0	0	0	0	1	0
3161:	1	0	0	2	0	1	0	0
3169:	0	0	0	0	0	0	1	1
3177:	0	0	0	1	1	0	0	2
3185:	2	0	0	0	0	1	0	0
3193:	0	0	0	0	1	1	2	1
3201:	0	1	0	0	0	0	1	0
3209:	0	1	0	2	0	0	0	0
3217:	1	1	0	2	0	0	0	0
3225:	0	0	0	0	0	0	1	0
3233:	0	0	2	0	0	2	0	0
3241:	0	0	0	0	0	0	0	0
3249:	1	0	1	0	0	0	1	1
3257:	1	1	0	0	1	0	0	0
3265:	0	2	0	0	0	0	1	1
3273:	0	0	0	0	0	0	0	1
3281:	0	2	0	0	0	1	0	0
3289:	1	0	0	0	0	0	0	0
3297:	0	0	1	0	1	0	0	1
3305:	0	0	0	0	0	0	0	1

3313:	1	1	0	0	0	0	0	0
3321:	0	0	1	0	1	2	1	0
3329:	1	0	0	0	0	0	1	1
3337:	0	1	1	0	0	1	0	1
3345:	0	1	0	0	0	1	1	1
3353:	0	0	0	0	0	1	0	0
3361:	0	1	0	0	0	0	0	0
3369:	1	0	0	0	0	0	1	0
3377:	0	0	0	0	0	0	1	0
3385:	0	0	0	0	0	0	0	0
3393:	2	3	0	1	1	0	0	0
3401:	0	0	0	0	0	0	0	0
3409:	0	0	0	0	2	0	0	0
3417:	0	0	0	0	0	0	0	0
3425:	0	0	0	0	0	0	0	0
3433:	0	1	0	0	0	0	0	0
3441:	0	1	0	1	1	0	0	1
3449:	0	1	1	0	0	0	0	0
3457:	0	1	1	0	0	0	0	0
3465:	0	0	0	0	0	1	0	0
3473:	0	0	0	0	1	1	1	1
3481:	0	0	0	0	0	0	0	0
3489:	0	0	1	1	0	0	0	1
3497:	2	0	0	0	1	1	1	1
3505:	0	1	1	1	1	1	0	0
3513:	0	0	1	0	0	1	0	0
3521:	1	0	0	1	0	0	0	0
3529:	0	0	1	0	0	0	1	0
3537:	0	1	0	1	0	2	0	2
3545:	2	1	0	0	0	0	1	1
3553:	0	0	0	0	1	1	0	0
3561:	0	0	1	0	0	0	0	0
3569:	0	0	0	0	0	2	0	0
3577:	0	1	0	0	1	0	0	1
3585:	0	0	0	0	0	0	0	1
3593:	0	1	0	0	0	1	0	1
3601:	1	0	0	0	0	0	1	1
3609:	0	0	2	1	1	0	0	0
3617:	1	0	0	0	0	0	0	1
3625:	2	0	0	1	1	1	0	0
3633:	1	1	0	0	1	0	0	1
3641:	1	1	0	0	0	1	0	1
3649:	0	0	0	0	0	0	1	1
3657:	0	1	1	0	1	0	0	0
3665:	0	0	0	1	0	0	0	0
3673:	2	0	0	0	0	0	0	0
3681:	0	2	0	0	1	0	0	0
3689:	0	0	0	0	1	0	0	0
3697:	0	0	0	0	1	0	0	0
3705:	0	0	0	0	0	1	0	1
3713:	0	0	0	0	0	0	0	2
3721:	0	0	1	1	0	1	1	0
3729:	0	0	0	0	2	1	0	1
3737:	0	0	0	1	1	0	0	0
3745:	0	0	0	1	1	0	0	0
3753:	1	0	0	0	1	1	0	1
3761:	0	0	2	0	0	1	2	0
3769:	0	0	0	0	0	0	0	1
3777:	0	0	0	0	0	0	0	1
3785:	0	0	1	0	0	0	1	0

3793:	0	0	0	0	0	0	0	0
3801:	0	0	1	0	2	0	0	0
3809:	0	0	0	0	0	0	0	0
3817:	0	0	0	0	0	1	3	1
3825:	0	0	1	0	1	0	0	0
3833:	0	1	0	0	0	0	0	0
3841:	0	1	0	0	0	1	1	1
3849:	0	1	2	0	0	0	1	0
3857:	2	0	0	0	2	0	1	0
3865:	0	0	1	0	0	0	0	0
3873:	0	0	0	0	0	0	0	1
3881:	1	2	0	0	0	0	0	0
3889:	0	0	0	0	1	0	1	1
3897:	1	0	0	0	0	0	0	0
3905:	0	0	0	0	1	0	2	1
3913:	0	1	1	1	0	0	0	0
3921:	1	0	0	1	0	0	0	0
3929:	1	1	1	0	0	1	0	0
3937:	0	0	0	0	0	0	0	0
3945:	0	0	0	0	1	1	0	0
3953:	0	1	0	1	0	1	0	2
3961:	0	1	0	0	0	0	1	0
3969:	0	0	0	0	0	0	0	0
3977:	0	1	1	0	0	0	0	0
3985:	1	1	0	0	0	0	0	0
3993:	0	0	0	1	0	0	0	1
4001:	0	0	1	0	0	0	0	0
4009:	0	1	1	0	0	0	0	0
4017:	0	0	0	0	0	0	0	1
4025:	0	0	0	0	0	1	1	0
4033:	1	0	0	0	0	2	0	0
4041:	0	0	1	0	0	0	0	1
4049:	0	0	0	1	1	1	0	0
4057:	0	0	0	1	0	0	0	0
4065:	0	0	1	0	0	0	1	0
4073:	0	0	1	0	0	0	0	0
4081:	0	0	0	0	0	0	0	1
4089:	1	0	0	0	0	0	1	0

VAX/VMS Peak Search Report Generated 11-DEC-2006 09:28:41.06

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107105_GE2_GAS60_105392.CN
 Analyses by : PEAK V16.9 ENBACK V1.6 PEAKEFF V2.2
 Client ID : B-1 (3-6)
 Deposition Date :
 Sample Date : 13-NOV-2006 00:00:00 Acquisition date : 11-DEC-2006 07:28:29
 Sample ID : 0611071-05 Sample Quantity : 1.45900E+01 gram
 Sample type : SLUDGE Sample Geometry : 0
 Detector name : GE2 Detector Geometry: GAS-60
 Elapsed live time: 0 02:00:00.00 Elapsed real time: 0 02:00:00.77 0.0%
 Start channel : 5 End channel : 4096
 Sensitivity : 2.40000 Gaussian : 15.00000
 Critical level : Yes

Post-NID Peak Search Report

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
0	139.46	39	154	1.69	138.31	136	5	99.4		
0	185.88*	60	204	1.82	184.73	181	8	95.1		RA-226
0	239.32	120	206	1.71	238.16	234	9	46.7		PB-212
2	334.16	16	16	1.72	333.00	332	10	54.2	1.71E+00	
0	352.05*	61	143	1.93	350.89	346	11	85.2		
0	363.73	38	135	3.23	362.57	358	10	118.9		I-131
3	507.35	17	27	2.44	506.18	505	13	90.7	2.51E+00	
0	533.84	52	82	11.31	532.66	527	14	78.7		
0	551.13	36	93	4.53	549.96	544	12	113.0		
0	582.31*	40	65	1.76	581.14	576	10	85.6		TL-208
0	797.09	14	24	3.37	795.90	793	6	126.5		
0	1000.49	36	16	2.42	999.30	993	13	57.5		PA-234M
0	1074.91	23	13	1.88	1073.72	1070	8	69.8		
0	1120.95	17	13	2.65	1119.76	1116	6	83.9		
0	1203.32	13	12	2.56	1202.12	1198	7	106.3		
0	1231.27	28	34	10.39	1230.07	1222	17	102.6		
0	1252.35	13	18	1.51	1251.15	1247	8	123.3		
0	1281.99	11	10	3.69	1280.79	1277	7	115.6		
0	1321.51	12	12	2.12	1320.32	1317	8	121.5		
1	1460.97*	49	8	2.46	1459.78	1456	15	37.6	1.11E+00	K-40
1	1468.03	13	10	2.46	1466.83	1456	15	92.6		
0	1507.15	20	5	7.59	1505.95	1501	10	61.2		
0	1539.58	11	3	2.36	1538.38	1536	5	76.5		
0	1576.72	10	3	1.52	1575.52	1572	7	87.5		
0	1583.40	9	5	1.74	1582.20	1579	6	98.1		
0	1606.26	8	3	2.84	1605.06	1603	5	94.2		
0	1611.52	8	2	2.36	1610.33	1608	6	85.9		
0	1669.96	12	9	2.00	1668.76	1663	10	116.7		
0	1764.95*	19	3	2.94	1763.75	1760	9	64.8		
0	2319.40	5	2	1.84	2318.21	2314	7	116.9		
0	2615.10*	6	2	3.76	2613.92	2609	9	165.7		TL-208
0	3560.33	5	0	2.31	3559.20	3554	8	89.4		

AG
12/12/06

Total number of lines in spectrum 32
 Number of unidentified lines 20
 Number of lines tentatively identified by NID 12 37.50%

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean		Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/gram	Decay Corr pCi/gram			
K-40	1.28E+09Y	1.00	2.023E+01	2.023E+01	0.775E+01	38.30	
TL-208	1.41E+10Y	1.00	1.733E+00	1.733E+00	1.474E+00	85.08	
PB-212	1.41E+10Y	1.00	2.910E+00	2.910E+00	1.431E+00	49.18	
RA-226	1602.00Y	1.00	1.682E+01	1.682E+01	3.470E+01	206.37	
PA-234M	4.47E+09Y	1.00	1.279E+02	1.279E+02	0.740E+02	57.88	
Total Activity :			1.696E+02	1.696E+02			

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean		Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/gram	Decay Corr pCi/gram			
I-131	8.04D	11.5	6.953E-01	8.012E+00	9.584E+00	119.62	
Total Activity :			6.953E-01	8.012E+00			

Grand Total Activity : 1.703E+02 1.776E+02

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
K-40	1460.81	10.67*	5.877E-01	2.023E+01	2.023E+01	38.30	OK
Final Mean for 1 Valid Peaks = 2.023E+01 +/- 7.747E+00 (38.30%)							
TL-208	583.14	30.22*	1.191E+00	2.873E+00	2.873E+00	86.17	OK
	860.37	4.48	8.755E-01	-----	Line Not Found	-----	Absent
	2614.66	35.85	3.978E-01	1.106E+00	1.106E+00	165.89	OK
Final Mean for 2 Valid Peaks = 1.733E+00 +/- 1.474E+00 (85.08%)							
PB-212	238.63	44.60*	2.379E+00	2.910E+00	2.910E+00	49.18	OK
	300.09	3.41	2.012E+00	-----	Line Not Found	-----	Absent
Final Mean for 1 Valid Peaks = 2.910E+00 +/- 1.431E+00 (49.18%)							
RA-226	186.21	3.28*	2.799E+00	1.682E+01	1.682E+01	206.37	OK
Final Mean for 1 Valid Peaks = 1.682E+01 +/- 3.470E+01 (206.37%)							
PA-234M	1001.03	0.92*	7.788E-01	1.279E+02	1.279E+02	57.88	OK
Final Mean for 1 Valid Peaks = 1.279E+02 +/- 7.405E+01 (57.88%)							

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
I-131	284.30	6.05	2.095E+00	-----	Line Not Found	-----	Absent
	364.48	81.20*	1.732E+00	6.953E-01	8.012E+00	119.62	OK
	636.97	7.26	1.110E+00	-----	Line Not Found	-----	Absent
	722.89	1.80	1.004E+00	-----	Line Not Found	-----	Absent
Final Mean for 1 Valid Peaks = 8.012E+00 +/- 9.584E+00 (119.62%)							

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/gram)	Act error	MDA (pCi/gram)	MDA error	Act/MDA
K-40	2.023E+01	7.747E+00	8.664E+00	6.107E-01	2.334
I-131	8.012E+00	9.584E+00	9.179E+00	1.171E+00	0.873
TL-208	1.733E+00	1.474E+00	2.328E+00	2.263E-01	0.744
PB-212	2.910E+00	1.431E+00	1.261E+00	1.909E-01	2.307
RA-226	1.682E+01	3.470E+01	1.553E+01	2.844E+01	1.083
PA-234M	1.279E+02	7.405E+01	8.565E+01	5.631E+00	1.494

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
BE-7	-9.716E-01		5.191E+00	9.284E+00	8.843E-01	-0.105
NA-22	-2.813E-01		5.900E-01	8.595E-01	5.747E-02	-0.327
AL-26	2.430E-01		3.916E-01	8.903E-01	5.562E-02	0.273
CR-51	-2.918E+00		7.203E+00	1.268E+01	2.289E+00	-0.230
MN-54	-7.413E-01		5.482E-01	8.305E-01	6.281E-02	-0.893
CO-56	-1.964E-01		7.078E-01	1.191E+00	8.781E-02	-0.165
CO-57	-1.302E-01		3.769E-01	6.110E-01	4.692E-02	-0.213
CO-58	-6.182E-01		6.447E-01	1.035E+00	8.224E-02	-0.597
FE-59	-6.487E-01		1.461E+00	2.481E+00	1.851E-01	-0.261
CO-60	2.180E-01		5.783E-01	1.078E+00	7.008E-02	0.202
ZN-65	-8.572E-01		1.213E+00	1.691E+00	1.110E-01	-0.507
SE-75	-6.008E-01		6.766E-01	1.146E+00	2.178E-01	-0.524
RB-83	-2.399E-01		1.274E+00	2.023E+00	3.285E-01	-0.119
KR-85	2.464E+02		1.176E+02	2.332E+02	2.250E+01	1.056
SR-85	1.451E+00		6.925E-01	1.374E+00	1.326E-01	1.056
Y-88	8.607E-02		5.287E-01	1.094E+00	6.766E-02	0.079
NB-93M	0.000E+00		0.000E+00	7.355E+00	1.417E+01	0.000
NB-94	6.136E-02		5.061E-01	9.229E-01	6.433E-02	0.066
NB-95	2.634E-01		8.505E-01	1.578E+00	1.346E-01	0.167
NB-95M	1.520E+02		3.717E+02	5.671E+02	8.352E+01	0.268
ZR-95	-3.071E-01		1.101E+00	1.936E+00	1.841E-01	-0.159
RU-103	2.515E-01		7.570E-01	1.402E+00	2.072E-01	0.179
RU-106	6.088E+00		5.156E+00	1.001E+01	1.408E+00	0.608
AG-108M	-3.497E-01		5.534E-01	9.317E-01	8.397E-02	-0.375
CD-109	-2.154E+01		9.877E+00	1.421E+01	1.459E+00	-1.516
AG-110M	-4.087E-01		5.771E-01	9.675E-01	9.258E-02	-0.422
SN-113	2.189E-01		6.962E-01	1.285E+00	1.188E-01	0.170
TE123M	-3.501E-01		4.489E-01	7.026E-01	4.718E-02	-0.498
SB-124	-8.495E-01		6.807E-01	1.080E+00	1.048E-01	-0.786
I-125	3.012E+01		1.407E+01	2.545E+01	3.142E+00	1.183
SB-125	6.852E-01		1.397E+00	2.603E+00	2.451E-01	0.263
SB-126	1.477E+00		4.370E+00	8.108E+00	7.328E-01	0.182
SN-126	-1.862E+00		9.359E-01	1.379E+00	1.152E-01	-1.350
SB-127	1.303E+01		2.261E+02	4.081E+02	3.823E+01	0.032
I-129	-4.419E+00		1.233E+00	4.169E-01	7.787E-02	-10.599
BA-133	3.409E-01		8.012E-01	1.109E+00	1.893E-01	0.307
CS-134	-1.083E+00		5.786E-01	8.595E-01	8.355E-02	-1.260

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
CS-135	2.400E+00		2.185E+00	4.091E+00	7.991E-01	0.587
CS-136	6.614E-01		2.884E+00	5.355E+00	3.702E-01	0.124
CS-137	-3.442E-02		6.483E-01	1.148E+00	1.099E-01	-0.030
CE-139	-2.684E-01		4.667E-01	7.399E-01	4.821E-02	-0.363
BA-140	1.222E+00		7.373E+00	1.355E+01	4.531E+00	0.090
LA-140	7.798E-01		2.399E+00	4.685E+00	3.099E-01	0.166
CE-141	2.448E-02		1.307E+00	1.970E+00	4.598E-01	0.012
CE-144	-9.337E-01		3.222E+00	4.801E+00	3.544E-01	-0.194
PM-144	3.397E-01		5.144E-01	9.771E-01	9.066E-02	0.348
PM-145	3.368E+00		3.743E+00	5.353E+00	3.508E+00	0.629
PM-146	9.406E-02		9.932E-01	1.809E+00	1.703E-01	0.052
ND-147	1.027E+01		1.866E+01	3.525E+01	3.415E+00	0.291
EU-152	-3.838E-01		2.964E+00	5.387E+00	5.126E-01	-0.071
GD-153	-1.434E+00		1.351E+00	2.098E+00	1.675E-01	-0.683
EU-154	-7.601E-01		1.640E+00	2.396E+00	1.602E-01	-0.317
EU-155	3.469E-01		1.014E+00	1.712E+00	1.412E-01	0.203
EU-156	-1.250E+01		1.744E+01	2.856E+01	6.450E+00	-0.438
HO-166M	-2.485E-01		8.505E-01	1.491E+00	1.360E-01	-0.167
IR-192	-5.848E-01		1.096E+00	1.895E+00	1.797E-01	-0.309
HG-203	2.052E-03		7.213E-01	1.254E+00	2.682E-01	0.002
BI-207	2.130E-01		4.833E-01	8.957E-01	8.710E-02	0.238
BI-210M	-2.112E-01		8.143E-01	1.304E+00	2.421E-01	-0.162
PB-210	-1.822E+00		1.194E+01	1.926E+01	1.523E+00	-0.095
PB-211	-3.842E+00		1.324E+01	2.344E+01	2.133E+00	-0.164
BI-212	4.588E-01		4.410E+00	7.902E+00	7.086E-01	0.058
BI-214	9.451E-01		1.366E+00	2.573E+00	2.494E-01	0.367
PB-214	2.376E+00	+	2.053E+00	2.340E+00	3.353E-01	1.015
RN-219	-4.138E-01		5.866E+00	1.008E+01	9.145E-01	-0.041
RA-223	3.171E+00		9.119E+00	1.683E+01	2.935E+00	0.188
RA-224	1.854E+01		1.075E+01	1.844E+01	2.853E+00	1.005
RA-225	1.329E+00		6.748E+00	1.147E+01	1.132E+00	0.116
TH-227	2.907E+00		3.594E+00	5.619E+00	8.300E-01	0.517
AC-228	1.321E+00		2.170E+00	4.138E+00	2.693E-01	0.319
TH-230	1.625E+00		2.436E+00	4.225E+00	3.304E-01	0.385
PA-231	3.327E+00		1.542E+01	2.822E+01	5.485E+00	0.118
TH-231	0.000E+00		0.000E+00	7.112E-01	2.073E-01	0.000
PA-233	3.864E-01		1.911E+00	3.492E+00	9.727E-01	0.111
PA-234	1.001E+00		1.440E+00	2.472E+00	1.839E-01	0.405
TH-234	-3.643E+00		1.099E+01	1.885E+01	1.208E+00	-0.193
U-235	6.690E-01		3.258E+00	4.975E+00	8.368E-01	0.134
NP-237	8.398E-01		2.459E+00	4.152E+00	3.425E-01	0.202
AM-241	-3.146E+00		1.147E+00	1.641E+00	1.020E-01	-1.918

Nuclide	Half-life	Half-Life		Energy	%Abund	Activity 2-Sigma		Rejected by	
		Ratio				(pCi/gram)	%Error		
CS-134	2.06Y	0.04		563.23	8.38	---	Not Found	---	Abun.
				569.32	15.43	---	Not Found	---	
				604.70*	97.60	---	Not Found	---	
				795.84	85.40	4.587E-01	126.81		
				801.93	8.73	---	Not Found	---	
% Abundances Found =			39.62						
EU-156	15.19D	1.87		811.77*	10.40	---	Not Found	---	Abun.
				1153.47	7.20	---	Not Found	---	
				1230.71	8.90	4.430E+01	102.88		
% Abundances Found =			33.58						
HO-166M	1200.00Y	0.00		184.41	72.60	7.553E-01	95.52		Abun.
				280.45	29.60	---	Not Found	---	
				410.94	11.10	---	Not Found	---	
				711.69*	54.10	---	Not Found	---	
% Abundances Found =			43.37						
BI-214	1602.00Y	0.00		609.31*	46.30	---	Not Found	---	Abun.
				1120.29	15.10	4.028E+00	84.17		
				1764.49	15.80	5.861E+00	65.15		
				2204.22	4.98	---	Not Found	---	
% Abundances Found =			37.60						
PB-214	1602.00Y	0.00		295.21	19.19	---	Not Found	---	Abun.
				351.92*	37.19	2.376E+00	86.41		
% Abundances Found =			65.96						

Flag: "*" = Keyline

Spectrum : DKA100: [GAMMA.SCUSR.ARCHIVE]SMP_061107105_GE2_GAS60_105392.CNF;1

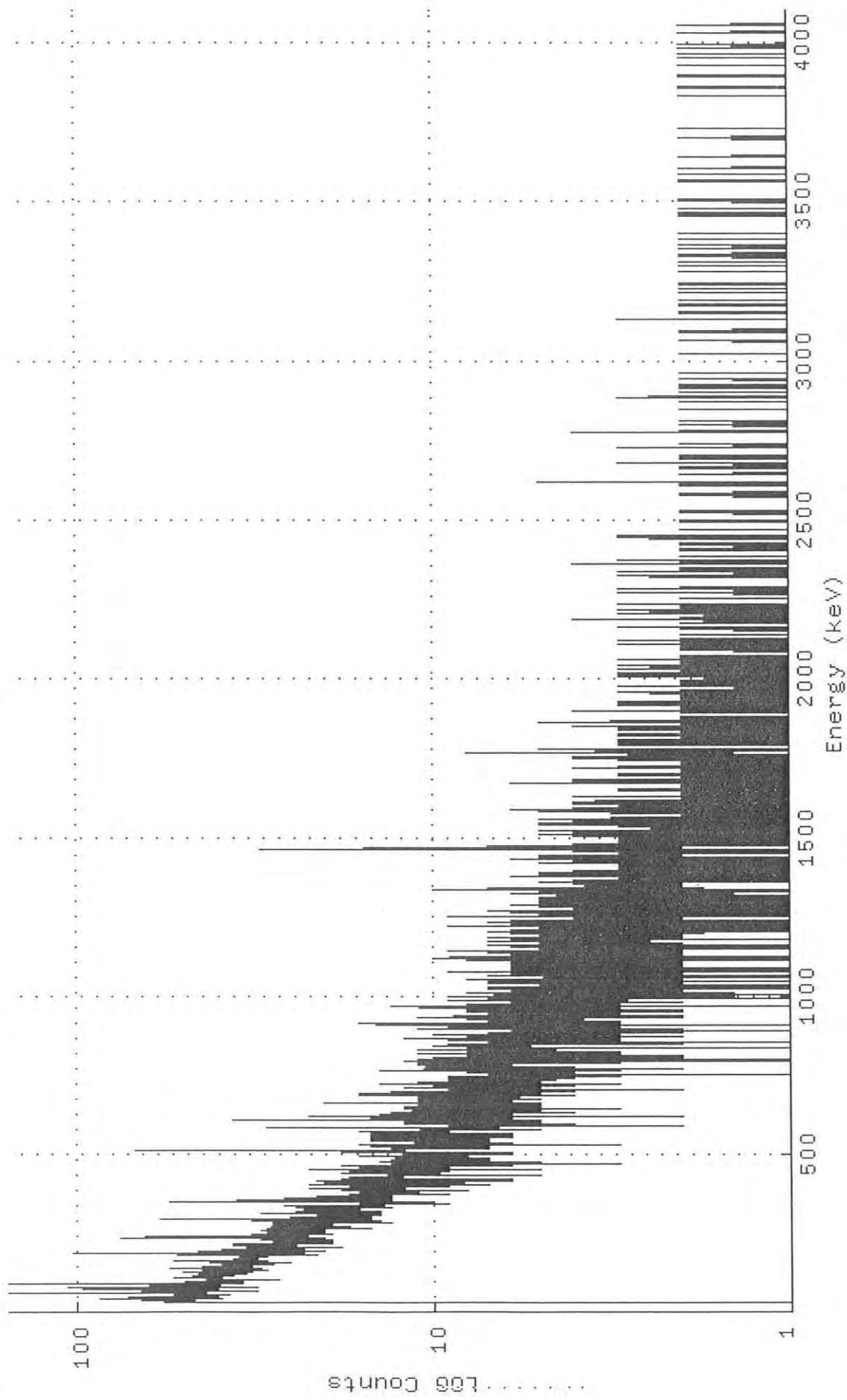
Title :

Sample Title: B-1 (3-6)

Start Time: 11-DEC-2006 07:28 Sample Time: 13-NOV-2006 00:00 Energy Offset: 1.139666E+00

Real Time : 0 02:00:00.77 Sample ID : 0611071-05 Energy Slope : 1.000007E+00

Live Time : 0 02:00:00.00 Sample Type: SLUDGE Energy Quad : -2.04685E-08



Channel

1:	0	0	0	0	0	0	0	0
9:	0	0	0	0	0	0	0	0
17:	0	0	0	0	0	0	0	0
25:	0	0	0	0	0	0	10	56
33:	44	54	59	60	65	60	53	40
41:	44	45	39	42	85	60	40	44
49:	50	44	55	51	47	37	43	43
57:	51	53	50	51	43	156	93	46
65:	46	44	31	36	46	40	45	48
73:	54	95	59	105	50	31	55	40
81:	51	40	45	47	62	54	45	34
89:	45	55	140	155	45	34	44	42
97:	49	41	40	35	31	27	37	35
105:	43	43	41	41	39	40	53	36
113:	38	43	38	43	47	43	45	33
121:	37	38	41	44	32	33	35	32
129:	50	37	32	44	29	37	30	32
137:	31	54	46	30	31	44	44	40
145:	33	32	33	37	31	28	38	39
153:	33	35	42	29	34	25	30	44
161:	31	53	29	32	32	31	32	35
169:	36	36	32	32	35	34	34	34
177:	33	25	31	27	28	21	34	79
185:	102	32	26	25	23	26	34	20
193:	30	45	31	37	35	39	26	23
201:	28	29	18	31	20	33	27	36
209:	35	26	24	29	31	36	20	28
217:	25	19	28	20	19	22	28	23
225:	19	25	30	19	25	26	22	24
233:	22	20	21	26	75	55	27	40
241:	39	23	26	19	23	21	32	32
249:	20	22	21	29	28	20	27	27
257:	27	30	20	20	23	18	25	15
265:	23	21	29	28	28	26	18	17
273:	23	19	23	28	26	21	19	20
281:	16	28	16	16	13	32	17	14
289:	28	19	23	15	15	58	32	29
297:	18	15	22	25	21	23	15	17
305:	21	16	18	18	14	19	17	30
313:	19	14	19	24	18	16	14	17
321:	17	20	23	17	16	18	22	13
329:	22	14	18	15	24	16	20	23
337:	20	26	14	13	9	13	16	14
345:	15	10	17	18	14	42	54	23
353:	16	21	15	13	14	13	18	14
361:	16	26	19	21	19	14	13	14
369:	17	14	12	17	9	15	16	15
377:	16	14	12	14	11	16	8	18
385:	9	16	18	15	12	13	22	16
393:	14	17	14	10	15	17	9	11
401:	7	22	12	13	14	9	16	16
409:	20	11	11	6	11	10	18	21
417:	12	6	16	7	18	14	11	13
425:	15	16	17	13	15	12	9	13

433:	12	11	5	18	13	14	15	11
441:	14	17	12	13	11	9	13	9
449:	12	12	5	14	22	11	9	12
457:	12	13	16	6	18	17	13	7
465:	14	8	13	12	10	3	11	13
473:	7	5	8	14	7	13	10	11
481:	7	13	9	9	7	11	10	7
489:	11	15	9	8	9	16	14	9
497:	10	10	12	11	6	13	6	9
505:	9	18	9	28	68	59	27	25
513:	12	12	8	13	9	11	7	15
521:	10	8	11	7	15	4	3	10
529:	12	11	16	8	8	9	6	11
537:	10	8	15	7	9	9	8	7
545:	7	9	13	15	15	15	12	9
553:	11	10	6	10	9	6	14	10
561:	15	9	6	13	13	15	12	16
569:	9	10	12	9	12	10	5	8
577:	8	10	10	8	19	29	12	8
585:	7	6	9	2	6	7	9	8
593:	4	7	12	10	11	8	7	5
601:	6	11	12	8	5	15	29	36
609:	21	10	13	15	10	11	6	13
617:	2	8	22	11	9	10	10	14
625:	10	8	6	13	4	4	6	7
633:	10	5	11	9	11	11	11	12
641:	7	7	3	11	8	6	5	5
649:	12	5	8	7	6	10	9	5
657:	11	5	11	20	12	13	8	9
665:	8	6	11	7	9	9	9	7
673:	5	11	6	8	7	11	7	8
681:	8	4	7	9	16	9	8	11
689:	7	8	7	5	16	7	13	4
697:	9	7	10	2	9	3	7	4
705:	9	6	8	12	6	5	8	4
713:	6	7	6	10	8	8	14	9
721:	6	3	8	5	11	11	9	10
729:	6	8	7	9	9	9	5	4
737:	9	9	6	8	5	9	3	4
745:	8	5	8	6	1	6	5	7
753:	4	8	7	5	6	4	7	6
761:	8	3	7	6	14	8	6	7
769:	2	8	8	5	4	9	9	7
777:	10	11	6	11	8	7	9	7
785:	5	8	7	11	3	3	1	5
793:	5	12	3	10	7	1	6	4
801:	11	6	8	8	10	6	2	2
809:	8	2	7	8	5	3	11	8
817:	8	8	5	8	4	3	7	5
825:	4	5	9	10	8	11	6	8
833:	5	0	6	3	4	7	10	6
841:	6	8	9	6	4	6	9	6
849:	2	7	5	7	1	6	4	5
857:	9	8	7	3	7	6	3	12
865:	5	4	4	8	6	7	6	7
873:	2	7	4	3	10	6	6	3
881:	6	4	7	2	5	2	1	2
889:	6	1	4	5	5	2	11	2
897:	6	9	9	3	5	7	6	4
905:	5	1	4	5	13	16	9	8

913:	4	3	9	5	6	3	7	4
921:	6	6	8	5	4	4	7	2
929:	6	6	5	7	11	7	2	5
937:	5	8	2	6	7	3	7	4
945:	6	4	8	3	4	6	2	2
953:	4	7	3	8	7	8	6	3
961:	5	4	9	13	0	4	6	7
969:	8	3	3	5	8	3	6	6
977:	4	3	4	2	2	4	6	9
985:	5	4	3	5	7	4	4	1
993:	1	2	4	4	3	7	9	5
1001:	4	2	5	5	1	2	5	4
1009:	4	8	4	3	3	6	2	6
1017:	5	7	4	3	1	7	3	7
1025:	4	5	0	5	4	5	5	4
1033:	4	4	1	5	7	2	5	2
1041:	7	3	1	2	7	3	6	2
1049:	8	4	4	6	4	1	4	3
1057:	2	3	4	6	5	1	5	7
1065:	3	5	2	5	3	2	6	5
1073:	4	6	9	3	1	1	5	2
1081:	5	6	4	1	3	5	2	4
1089:	6	4	2	6	5	3	4	4
1097:	2	5	3	6	2	3	6	6
1105:	5	2	5	3	2	8	1	4
1113:	1	4	5	1	2	9	10	8
1121:	0	3	4	5	4	2	3	6
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1137:	2	8	2	4	9	5	3	4
1145:	5	3	4	1	4	3	6	4
1153:	1	6	4	7	1	4	5	2
1161:	4	2	5	5	2	3	2	3
1169:	7	4	4	7	3	4	6	1
1177:	6	5	1	6	7	3	2	6
1185:	3	5	3	5	5	4	2	3
1193:	6	3	5	2	3	1	4	2
1201:	5	5	7	1	2	6	4	3
1209:	6	1	3	5	3	4	3	1
1217:	9	6	4	3	3	1	4	4
1225:	4	4	6	6	7	3	2	4
1233:	1	2	3	6	4	1	3	4
1241:	2	2	3	2	3	4	1	3
1249:	5	9	4	4	4	1	3	5
1257:	0	1	5	1	6	3	2	2
1265:	2	1	4	7	1	4	0	1
1273:	4	4	3	2	2	1	5	3
1281:	5	4	1	1	6	3	4	5
1289:	3	1	3	1	2	0	1	5
1297:	2	0	5	5	0	5	5	5
1305:	5	3	5	0	2	5	4	2
1313:	2	4	1	1	4	2	3	6
1321:	6	2	1	0	2	5	3	3
1329:	4	2	10	4	1	0	3	2
1337:	2	5	6	7	2	2	2	3
1345:	3	3	3	2	3	4	3	4
1353:	2	4	5	3	2	1	4	0
1361:	2	2	4	2	1	3	1	2
1369:	1	2	1	0	4	6	3	2
1377:	5	4	4	3	1	2	2	1
1385:	3	4	5	3	2	3	4	4

1393:	1	4	2	2	3	1	3	3
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1409:	3	3	2	2	1	4	4	5
1417:	1	3	2	4	4	0	4	0
1425:	3	1	6	1	3	2	5	5
1433:	0	2	2	2	5	2	3	5
1441:	5	4	1	0	2	2	3	3
1449:	3	1	1	3	4	4	2	0
1457:	2	6	17	30	8	3	2	2
1465:	2	4	7	2	2	2	1	3
1473:	0	4	1	3	1	1	3	1
1481:	0	2	3	3	3	3	2	0
1489:	1	1	3	2	1	2	1	1
1497:	1	2	3	1	0	4	1	1
1505:	5	5	4	1	4	0	1	1
1513:	3	1	2	0	5	1	0	1
1521:	0	1	2	1	2	2	3	1
1529:	2	1	2	3	3	4	1	0
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1545:	1	4	1	3	4	2	2	1
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1561:	0	1	2	1	2	2	2	2
1569:	2	0	2	0	2	2	5	2
1577:	2	0	0	2	2	6	4	0
1585:	3	3	3	4	1	1	0	1
1593:	3	2	1	2	3	3	1	4
1601:	2	2	1	4	3	3	0	0
1609:	2	4	3	1	0	1	3	2
1617:	1	0	2	0	1	1	1	3
1625:	0	0	3	4	1	1	2	0
1633:	1	1	1	2	1	0	1	0
1641:	2	0	3	2	0	0	2	0
1649:	1	1	3	0	1	1	1	0
1657:	1	2	1	2	1	2	1	2
1665:	0	3	6	4	1	1	3	0
1673:	1	0	2	4	1	0	3	1
1681:	4	1	0	0	1	1	2	0
1689:	2	1	1	3	2	0	1	1
1697:	0	0	3	0	0	1	1	0
1705:	2	1	2	2	0	1	1	1
1713:	4	2	1	3	2	1	1	0
1721:	3	0	1	0	0	0	2	1
1729:	2	0	0	1	0	2	2	2
1737:	0	1	1	0	3	0	0	3
1745:	0	0	1	4	0	1	1	0
1753:	1	4	2	0	0	0	0	0
1761:	2	4	6	8	4	2	2	0
1769:	1	3	1	3	4	0	1	5
1777:	0	1	0	1	0	1	0	1
1785:	1	0	0	1	1	3	0	2
1793:	2	0	3	1	1	3	0	0
1801:	1	2	1	1	1	0	3	2
1809:	2	1	1	1	0	1	0	1
1817:	3	1	0	1	1	3	1	2
1825:	0	2	1	2	2	0	1	2
1833:	1	2	1	3	1	0	1	0
1841:	1	3	1	0	2	3	1	2
1849:	4	0	2	1	2	1	0	2
1857:	2	1	1	1	3	5	2	1
1865:	2	2	1	1	2	0	1	1

1873:	1	2	2	0	1	2	1	1
1881:	0	0	1	0	0	1	0	2
1889:	2	1	1	0	1	0	4	1
1897:	0	2	2	0	1	1	1	2
1905:	1	0	2	0	1	0	1	3
1913:	2	0	1	2	3	0	1	0
1921:	3	0	0	1	3	1	0	1
1929:	1	0	1	2	1	0	2	1
1937:	2	1	2	1	0	1	1	2
1945:	1	1	2	1	1	1	2	2
1953:	3	0	1	1	1	0	1	1
1961:	0	0	1	2	1	1	0	0
1969:	1	0	0	1	0	1	3	0
1977:	0	1	2	0	1	1	1	2
1985:	2	1	1	0	2	1	2	0
1993:	1	1	0	0	1	0	0	1
2001:	3	0	2	0	1	2	0	3
2009:	1	1	1	0	3	1	0	0
2017:	0	1	2	0	2	1	1	2
2025:	0	1	1	2	2	3	2	1
2033:	0	1	0	1	1	0	3	1
2041:	1	0	1	0	2	2	2	1
2049:	2	2	1	0	1	1	1	0
2057:	0	3	2	0	2	2	1	2
2065:	1	1	2	1	0	0	0	0
2073:	0	1	0	0	0	1	0	1
2081:	1	1	1	0	2	0	0	0
2089:	1	1	0	1	0	2	0	1
2097:	0	1	1	1	1	2	1	3
2105:	3	1	0	1	0	1	2	2
2113:	1	0	2	2	3	1	0	1
2121:	2	1	0	1	1	1	0	1
2129:	0	0	0	1	0	0	0	1
2137:	2	1	0	1	0	0	0	0
2145:	1	1	1	0	0	0	2	2
2153:	0	1	1	0	0	1	3	0
2161:	1	1	0	1	0	0	0	0
2169:	1	1	0	2	0	0	0	0
2177:	0	1	1	0	3	0	0	0
2185:	1	4	0	1	0	1	0	2
2193:	0	0	0	0	1	0	3	1
2201:	0	2	2	1	1	1	0	1
2209:	2	2	3	1	0	2	1	0
2217:	2	0	2	1	0	1	1	1
2225:	1	1	2	0	0	0	2	3
2233:	0	1	0	0	0	0	1	1
2241:	1	0	0	0	1	1	1	0
2249:	1	2	1	1	1	0	1	1
2257:	0	0	1	1	0	0	1	0
2265:	2	3	0	0	0	2	1	1
2273:	0	0	0	1	0	3	0	0
2281:	2	1	2	2	0	1	1	1
2289:	0	0	1	1	0	0	0	1
2297:	1	1	0	0	0	0	0	0
2305:	1	0	0	0	0	0	0	0
2313:	0	0	1	0	1	2	3	0
2321:	1	0	0	0	0	1	0	1
2329:	1	1	2	1	3	1	1	1
2337:	0	0	0	0	2	0	2	0
2345:	0	0	1	1	0	0	1	0

2353:	1	0	1	0	4	0	0	0
2361:	1	0	0	1	2	0	0	2
2369:	1	3	1	0	1	1	0	0
2377:	0	1	0	0	2	0	0	1
2385:	0	1	0	0	0	0	0	0
2393:	1	0	1	0	1	0	2	1
2401:	2	1	1	2	2	1	0	1
2409:	0	0	0	0	1	0	2	0
2417:	0	0	1	1	0	0	1	2
2425:	2	0	1	0	0	0	0	1
2433:	0	1	1	2	1	2	3	0
2441:	1	1	0	1	3	1	0	0
2449:	1	0	0	1	1	0	0	0
2457:	0	0	0	1	0	0	1	1
2465:	1	2	0	0	0	0	1	0
2473:	1	1	0	0	1	0	0	0
2481:	0	1	0	1	0	1	0	0
2489:	2	0	0	0	2	0	1	0
2497:	0	1	0	1	0	0	1	0
2505:	0	0	0	1	0	1	0	1
2513:	0	0	0	1	2	0	0	1
2521:	0	0	0	0	1	0	2	0
2529:	0	1	1	0	1	0	0	0
2537:	0	1	0	0	0	1	0	0
2545:	1	0	0	0	0	0	1	0
2553:	0	0	0	0	0	0	0	0
2561:	0	0	1	0	0	0	1	0
2569:	0	1	2	0	1	0	1	0
2577:	1	1	2	0	2	2	1	1
2585:	0	0	0	0	0	1	0	0
2593:	1	1	0	1	1	1	1	1
2601:	0	2	0	1	0	0	0	0
2609:	0	1	1	1	4	5	2	4
2617:	0	1	0	0	1	0	0	0
2625:	1	1	0	0	1	0	0	0
2633:	0	1	0	0	0	0	0	1
2641:	2	0	0	1	0	0	1	0
2649:	0	0	0	0	0	0	0	2
2657:	1	0	1	0	0	0	1	0
2665:	2	0	0	0	0	0	1	0
2673:	0	0	3	1	0	0	1	0
2681:	0	0	0	1	0	0	0	2
2689:	0	0	0	0	1	2	0	1
2697:	0	2	1	0	0	0	0	0
2705:	1	1	1	0	0	1	0	0
2713:	0	0	0	0	0	0	0	1
2721:	0	3	0	2	1	0	0	0
2729:	0	1	0	2	0	0	0	0
2737:	0	0	1	0	0	0	1	0
2745:	1	0	1	1	0	1	1	1
2753:	0	1	1	0	1	0	0	0
2761:	0	1	0	1	0	1	1	0
2769:	0	4	1	0	1	2	0	0
2777:	0	0	1	1	1	0	0	1
2785:	0	0	1	0	0	1	0	2
2793:	2	0	0	0	0	0	1	0
2801:	0	0	0	2	0	0	0	2
2809:	0	0	0	0	0	0	0	0
2817:	1	0	1	0	1	1	0	0
2825:	0	1	1	0	0	0	0	0

2833:	0	0	0	0	0	0	0	1
2841:	0	1	2	0	0	0	0	0
2849:	0	1	1	0	0	0	0	0
2857:	0	0	0	0	0	1	1	0
2865:	1	0	2	0	0	0	0	1
2873:	0	1	0	0	1	1	2	0
2881:	3	2	0	1	0	0	0	0
2889:	0	0	0	0	0	0	1	2
2897:	0	0	0	0	1	1	1	0
2905:	0	0	0	2	1	0	0	0
2913:	2	1	1	1	0	1	0	0
2921:	2	1	0	0	1	0	1	0
2929:	1	1	0	0	1	0	0	2
2937:	0	0	0	0	0	0	1	1
2945:	0	0	0	0	0	0	1	0
2953:	0	0	0	0	0	2	0	0
2961:	0	1	0	0	0	0	1	0
2969:	0	0	0	0	0	0	1	0
2977:	0	0	0	1	0	1	1	0
2985:	0	0	1	0	1	0	0	1
2993:	0	0	0	1	0	0	0	0
3001:	0	0	0	1	0	0	1	1
3009:	0	0	0	0	0	1	1	0
3017:	2	1	0	0	0	1	0	0
3025:	0	0	1	0	1	0	0	1
3033:	0	0	0	0	0	0	0	0
3041:	0	0	0	1	1	0	0	0
3049:	0	0	0	0	0	0	1	2
3057:	1	1	0	1	0	1	0	0
3065:	0	1	0	1	0	0	0	1
3073:	1	0	0	1	0	1	1	0
3081:	0	0	0	0	2	0	0	0
3089:	0	0	2	0	0	0	0	0
3097:	0	1	0	0	0	0	0	0
3105:	1	1	0	0	0	0	0	0
3113:	0	0	0	0	0	0	0	0
3121:	1	1	0	0	0	3	0	1
3129:	0	0	1	0	0	1	1	0
3137:	0	0	0	0	1	1	2	0
3145:	0	0	0	0	0	2	0	0
3153:	0	1	1	0	1	0	0	0
3161:	1	0	0	0	1	0	1	2
3169:	0	0	0	0	0	2	0	0
3177:	0	1	0	0	1	0	0	2
3185:	0	0	0	1	0	0	0	1
3193:	1	0	0	1	0	0	0	0
3201:	0	1	1	1	1	0	0	2
3209:	1	0	1	0	1	0	0	0
3217:	0	1	2	0	1	0	1	0
3225:	0	1	1	0	0	1	2	1
3233:	0	0	1	2	0	0	1	0
3241:	1	0	1	0	1	0	0	0
3249:	1	1	1	0	1	0	1	0
3257:	1	0	1	0	0	0	1	1
3265:	0	0	1	1	0	0	1	0
3273:	1	2	0	0	0	1	1	0
3281:	1	0	0	0	1	1	0	0
3289:	0	0	2	0	1	0	0	1
3297:	0	1	1	0	1	0	0	0
3305:	0	2	0	0	0	0	0	1

3313:	0	0	0	0	1	0	0	2
3321:	0	0	0	0	0	2	0	0
3329:	0	1	2	0	0	0	0	0
3337:	0	0	0	0	0	0	0	0
3345:	0	0	0	0	2	0	0	0
3353:	0	1	0	0	2	0	1	0
3361:	1	0	0	1	0	1	0	1
3369:	0	0	1	0	0	0	0	0
3377:	2	0	1	0	0	0	0	0
3385:	0	0	0	0	0	1	1	1
3393:	0	0	0	2	0	0	0	0
3401:	1	1	0	0	0	0	0	1
3409:	0	0	0	0	1	0	1	0
3417:	0	0	0	1	1	0	0	0
3425:	0	0	0	0	0	1	1	0
3433:	1	0	0	0	1	0	0	1
3441:	0	0	0	0	0	0	0	1
3449:	2	0	2	0	0	0	0	2
3457:	0	0	0	0	2	0	1	1
3465:	0	0	0	1	0	0	0	2
3473:	0	0	0	0	0	0	0	0
3481:	1	1	0	1	0	0	0	0
3489:	0	0	0	0	1	2	0	0
3497:	1	0	0	0	0	0	2	1
3505:	1	1	0	0	1	0	0	0
3513:	0	0	0	0	0	0	1	0
3521:	0	0	0	0	0	0	0	0
3529:	1	0	1	0	1	0	0	0
3537:	0	0	1	0	0	0	0	0
3545:	0	0	0	0	1	1	1	1
3553:	0	0	0	0	0	1	2	2
3561:	0	0	0	0	0	0	0	0
3569:	1	0	0	0	0	1	0	0
3577:	0	0	0	2	1	0	1	1
3585:	1	0	1	0	0	0	0	0
3593:	0	0	0	0	1	0	0	0
3601:	2	0	0	0	0	0	0	0
3609:	0	0	0	0	0	0	0	1
3617:	0	1	0	0	0	0	0	0
3625:	0	0	0	0	0	0	0	0
3633:	1	0	0	1	2	0	0	0
3641:	1	0	0	0	0	0	0	0
3649:	0	0	0	1	0	1	0	0
3657:	0	0	0	0	0	0	0	0
3665:	1	0	0	0	0	0	0	0
3673:	0	0	1	0	0	1	0	1
3681:	1	0	1	0	0	1	0	1
3689:	0	0	0	2	0	0	0	2
3697:	2	0	0	0	0	0	0	0
3705:	1	0	0	0	0	0	1	0
3713:	0	1	1	1	0	0	0	0
3721:	0	1	0	0	2	0	0	0
3729:	1	0	0	0	0	1	0	0
3737:	0	0	0	0	1	1	0	0
3745:	0	0	1	0	0	0	0	0
3753:	0	0	1	0	0	0	1	0
3761:	0	0	0	0	0	1	0	1
3769:	0	0	0	0	1	0	0	1
3777:	0	0	0	0	0	0	0	0
3785:	0	0	0	0	0	1	0	0

3793:	0	1	0	1	0	0	0	1
3801:	0	0	0	0	0	0	1	0
3809:	0	0	0	0	1	0	0	0
3817:	0	0	0	0	0	0	0	0
3825:	0	1	2	0	0	1	0	0
3833:	0	0	0	1	0	1	0	0
3841:	0	0	1	0	1	0	0	0
3849:	0	0	0	2	0	0	0	1
3857:	2	0	0	0	0	1	1	0
3865:	0	0	0	1	0	0	0	0
3873:	0	0	0	0	0	1	1	0
3881:	0	0	1	0	0	0	2	0
3889:	0	0	0	0	2	0	0	0
3897:	0	0	0	0	0	0	0	0
3905:	1	0	0	0	1	1	1	1
3913:	0	1	0	0	0	0	0	1
3921:	0	0	2	0	0	0	0	0
3929:	0	1	0	0	0	0	0	0
3937:	0	0	0	0	0	0	0	0
3945:	1	0	0	2	0	0	0	0
3953:	0	0	0	0	2	0	0	1
3961:	0	1	0	1	0	1	1	1
3969:	0	1	1	0	0	0	0	2
3977:	0	0	1	0	1	0	1	1
3985:	1	2	0	0	0	0	0	0
3993:	0	0	0	0	1	1	0	0
4001:	0	0	1	0	0	1	0	0
4009:	0	1	0	0	0	0	0	0
4017:	1	1	0	0	0	0	0	0
4025:	0	0	2	0	1	0	1	0
4033:	1	0	0	0	0	0	1	0
4041:	0	1	0	0	1	0	0	0
4049:	0	0	2	0	0	0	0	0
4057:	1	0	1	0	0	0	0	0
4065:	0	1	0	0	1	0	1	0
4073:	0	1	0	0	0	0	0	0
4081:	0	1	0	0	0	0	0	1
4089:	1	0	0	0	0	0	0	0

VAX/VMS Peak Search Report Generated 11-DEC-2006 11:10:39.69

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107106_GE3_GAS60_105395.CN
 Analyses by : PEAK V16.9 ENBACK V1.6 PEAKEFF V2.2
 Client ID : B-2 (0-3)
 Deposition Date :
 Sample Date : 13-NOV-2006 00:00:00 Acquisition date : 11-DEC-2006 09:10:15
 Sample ID : 0611071-06 Sample Quantity : 1.10700E+01 gram
 Sample type : SLUDGE Sample Geometry : 0
 Detector name : GE3 Detector Geometry: GAS-60
 Elapsed live time: 0 02:00:00.00 Elapsed real time: 0 02:00:10.06 0.1%
 Start channel : 5 End channel : 4096
 Sensitivity : 2.40000 Gaussian : 15.00000
 Critical level : Yes

Post-NID Peak Search Report

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
0	76.69*	201	318	2.79	77.39	73	11	39.4		
0	93.02*	162	227	2.02	93.71	90	9	38.7		
0	186.43*	64	129	1.83	187.06	183	10	77.0		RA-226
2	238.73*	102	87	1.85	239.32	235	12	37.4	7.70E+00	PB-212
1	360.65	16	8	1.80	361.16	360	8	35.4	7.64E+00	
1	363.65	21	36	1.80	364.16	360		8100.3		I-131
0	408.45	23	50	2.03	408.94	406		7112.7		
0	487.00	18	40	1.68	487.44	483		7128.4		
0	583.75*	37	43	1.95	584.12	580	10	77.4		TL-208
4	609.45*	93	25	1.74	609.80	606	17	30.9	1.56E+00	BI-214
4	618.84	15	33	2.65	619.19	606		17154.1		
0	694.71	18	37	1.65	695.01	690		7121.2		
0	728.78	26	15	2.71	729.05	726	7	62.9		
0	912.50*	24	18	4.98	912.66	907	10	84.6		
0	1155.65	10	12	2.63	1155.65	1151		8135.6		
0	1169.37	11	8	2.70	1169.36	1167		7109.1		
0	1176.84	12	9	2.34	1176.83	1174		6101.1		
1	1238.26	24	2	2.33	1238.21	1235	26	50.2	1.80E+00	
1	1250.85	13	7	2.33	1250.79	1235	26	85.1		
0	1298.07	16	10	5.37	1297.98	1292	10	88.2		
0	1422.86	13	10	1.10	1422.69	1418		10106.6		
7	1456.17	6	5	3.12	1455.98	1454		11102.8	2.55E+00	
7	1461.17*	32	11	2.90	1460.97	1454	11	54.4		K-40
0	1499.26	13	6	5.97	1499.04	1494	9	90.0		
0	1558.61	9	4	3.28	1558.35	1555		7100.2		
0	1567.26	7	0	2.99	1567.00	1565	5	75.6		
0	1651.78	11	2	2.15	1651.47	1648	7	70.4		
0	1730.47	10	0	1.08	1730.10	1726	8	63.2		
0	1765.16*	8	2	1.72	1764.77	1761		6115.2		BI-214
0	1805.25	11	2	1.86	1804.84	1800	9	78.1		
0	2072.75	6	0	2.74	2072.17	2069	6	81.6		
0	2241.69	5	0	2.98	2241.00	2238	6	89.4		
0	2446.83	5	0	1.50	2446.00	2443	6	89.4		
0	2530.18	6	2	2.37	2529.30	2525		7115.4		
0	2615.55*	9	4	3.16	2614.62	2611		7123.0		TL-208

AG
12/12/06

Total number of lines in spectrum 35
 Number of unidentified lines 21
 Number of lines tentatively identified by NID 14 40.00%

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean		Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/gram	Decay Corr pCi/gram			
K-40	1.28E+09Y	1.00	1.513E+01	1.513E+01	0.829E+01	54.82	
TL-208	1.41E+10Y	1.00	2.246E+00	2.246E+00	1.525E+00	67.87	
PB-212	1.41E+10Y	1.00	2.425E+00	2.425E+00	0.922E+00	38.01	
BI-214	1602.00Y	1.00	4.553E+00	4.553E+00	1.410E+00	30.98	
RA-226	1602.00Y	1.00	1.755E+01	1.755E+01	3.486E+01	198.62	
Total Activity :			4.191E+01	4.191E+01			

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean		Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/gram	Decay Corr pCi/gram			
I-131	8.04D	11.6	3.875E-01	4.492E+00	4.516E+00	100.53	
Total Activity :			3.875E-01	4.492E+00			

Grand Total Activity : 4.229E+01 4.640E+01

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
K-40	1460.81	10.67*	6.628E-01	1.513E+01	1.513E+01	54.82	OK
Final Mean for 1 Valid Peaks = 1.513E+01+/- 8.294E+00 (54.82%)							
TL-208	583.14	30.22*	1.470E+00	2.851E+00	2.851E+00	77.79	OK
	860.37	4.48	1.025E+00	-----	Line Not Found	-----	Absent
	2614.66	35.85	4.784E-01	1.704E+00	1.704E+00	123.19	OK
Final Mean for 2 Valid Peaks = 2.246E+00+/- 1.525E+00 (67.87%)							
PB-212	238.63	44.60*	3.206E+00	2.425E+00	2.425E+00	38.01	OK
	300.09	3.41	2.678E+00	-----	Line Not Found	-----	Absent
Final Mean for 1 Valid Peaks = 2.425E+00+/- 9.217E-01 (38.01%)							
BI-214	609.31	46.30*	1.411E+00	4.842E+00	4.842E+00	31.80	OK
	1120.29	15.10	8.153E-01	-----	Line Not Found	-----	Absent
	1764.49	15.80	5.832E-01	3.048E+00	3.048E+00	115.34	OK
	2204.22	4.98	5.148E-01	-----	Line Not Found	-----	Absent
Final Mean for 2 Valid Peaks = 4.553E+00+/- 1.410E+00 (30.98%)							
RA-226	186.21	3.28*	3.793E+00	1.755E+01	1.755E+01	198.62	OK
Final Mean for 1 Valid Peaks = 1.755E+01+/- 3.486E+01 (198.62%)							

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
I-131	284.30	6.05	2.799E+00	-----	Line Not Found	-----	Absent
	364.48	81.20*	2.267E+00	3.875E-01	4.492E+00	100.53	OK
	636.97	7.26	1.353E+00	-----	Line Not Found	-----	Absent
	722.89	1.80	1.203E+00	-----	Line Not Found	-----	Absent
Final Mean for 1 Valid Peaks = 4.492E+00+/- 4.516E+00 (100.53%)							

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/gram)	Act error	MDA (pCi/gram)	MDA error	Act/MDA
K-40	1.513E+01	8.294E+00	9.061E+00	5.530E-01	1.670
I-131	4.492E+00	4.516E+00	7.451E+00	4.433E-01	0.603
TL-208	2.246E+00	1.525E+00	2.013E+00	1.412E-01	1.116
PB-212	2.425E+00	9.217E-01	9.864E-01	6.375E-02	2.458
BI-214	4.553E+00	1.410E+00	1.643E+00	1.166E-01	2.771
RA-226	1.755E+01	3.486E+01	1.157E+01	2.118E+01	1.517

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
BE-7	5.650E-01		4.534E+00	7.817E+00	5.088E-01	0.072
NA-22	-1.278E-01		5.372E-01	9.574E-01	6.051E-02	-0.133
AL-26	1.933E-01		4.249E-01	8.761E-01	5.072E-02	0.221
CR-51	-7.019E+00		6.659E+00	9.991E+00	6.573E-01	-0.703
MN-54	5.935E-02		5.244E-01	9.752E-01	6.010E-02	0.061
CO-56	8.375E-02		6.435E-01	1.198E+00	7.245E-02	0.070
CO-57	-6.281E-02		2.587E-01	4.373E-01	4.431E-02	-0.144
CO-58	-1.002E-01		6.521E-01	1.176E+00	7.530E-02	-0.085
FE-59	2.068E-01		1.555E+00	2.894E+00	2.239E-01	0.071
CO-60	2.666E-01		5.365E-01	9.008E-01	6.649E-02	0.296
ZN-65	-8.862E-01		1.312E+00	2.167E+00	1.517E-01	-0.409
SE-75	-1.100E-01		5.506E-01	9.143E-01	5.630E-02	-0.120
RB-83	-1.045E+00		1.013E+00	1.668E+00	2.450E-01	-0.626
KR-85	7.473E+01		1.391E+02	2.566E+02	1.723E+01	0.291
SR-85	4.405E-01		8.202E-01	1.513E+00	1.016E-01	0.291
Y-88	1.564E-01		5.010E-01	1.110E+00	6.412E-02	0.141
NB-93M	0.000E+00		0.000E+00	1.052E+00	3.468E-01	0.000
NB-94	2.097E-02		4.177E-01	7.874E-01	4.568E-02	0.027
NB-95	7.488E-01		7.625E-01	1.563E+00	1.050E-01	0.479
NB-95M	-4.558E+01		2.613E+02	4.011E+02	2.606E+01	-0.114
ZR-95	-9.469E-01		8.763E-01	1.380E+00	1.084E-01	-0.686
RU-103	-3.457E-01		6.512E-01	1.146E+00	1.495E-01	-0.302
RU-106	-1.350E+00		4.758E+00	7.601E+00	9.461E-01	-0.178
AG-108M	1.080E-01		5.244E-01	8.978E-01	6.253E-02	0.120
CD-109	-7.695E+00		7.913E+00	1.161E+01	1.057E+00	-0.663
AG-110M	8.069E-02		4.532E-01	8.588E-01	6.181E-02	0.094
SN-113	3.506E-01		6.112E-01	1.090E+00	6.841E-02	0.322
TE123M	-1.287E-01		3.179E-01	5.264E-01	3.965E-02	-0.244
SB-124	2.253E-01		6.479E-01	1.121E+00	7.935E-02	0.201
I-125	0.000E+00		0.000E+00	6.107E-01	5.815E-02	0.000
SB-125	-2.724E-01		1.027E+00	1.876E+00	1.201E-01	-0.145
SB-126	2.692E-01		4.530E+00	7.555E+00	5.272E-01	0.036
SN-126	-4.033E-01		7.381E-01	1.120E+00	7.738E-02	-0.360
SB-127	-9.074E+01		1.870E+02	2.887E+02	2.058E+01	-0.314
I-129	0.000E+00		0.000E+00	6.151E-02	7.190E-03	0.000
BA-133	-2.646E+00		9.554E-01	9.635E-01	1.121E-01	-2.746
CS-134	-3.089E-02		4.698E-01	7.737E-01	5.501E-02	-0.040

Sample ID : 0611071-06

Acquisition date : 11-DEC-2006 09:10:15

---- Non-Identified Nuclides ----

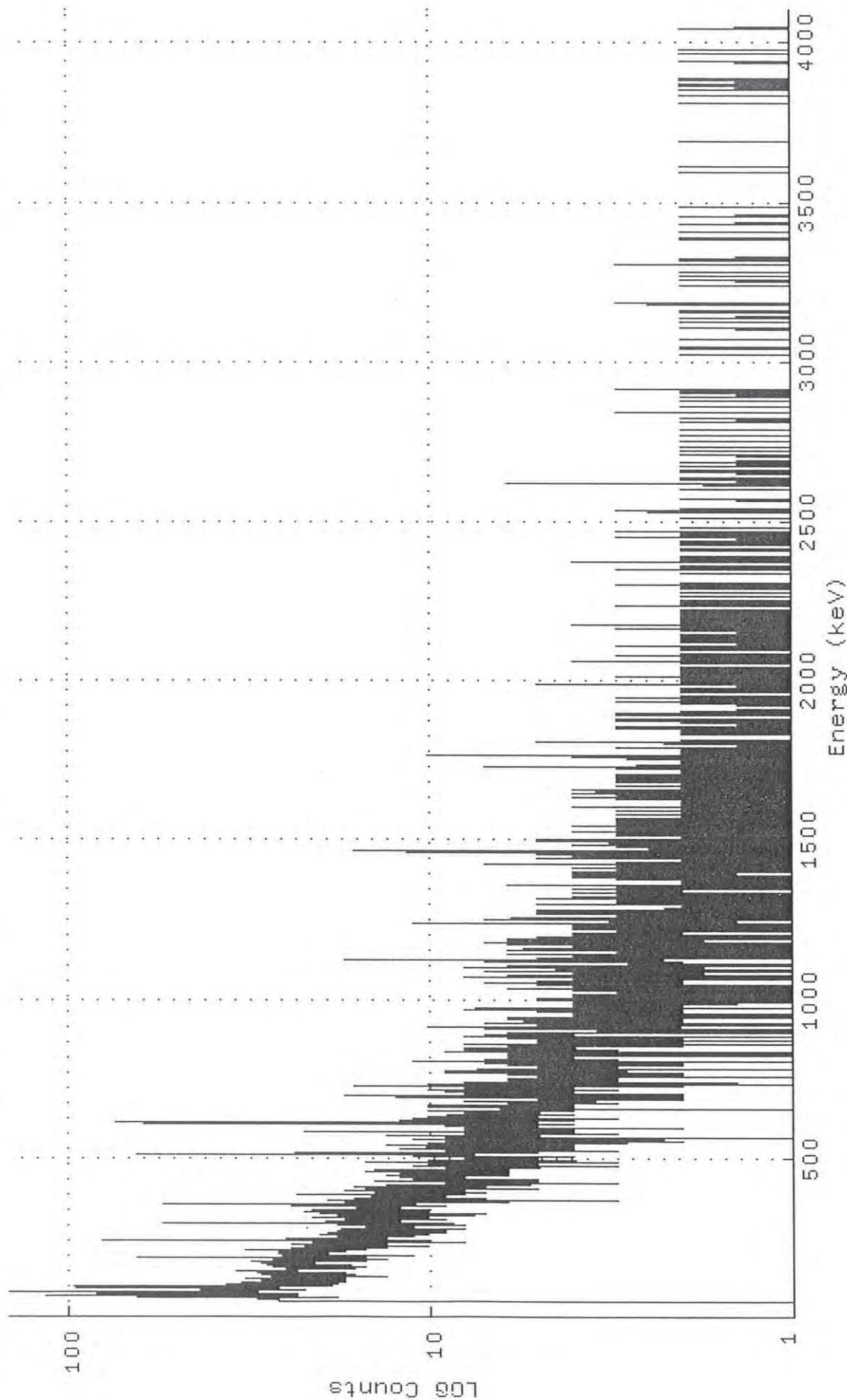
Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
CS-135	1.846E-01		1.690E+00	2.893E+00	1.739E-01	0.064
CS-136	-8.563E-01		2.901E+00	5.127E+00	3.519E-01	-0.167
CS-137	-4.072E-02		5.327E-01	9.702E-01	7.008E-02	-0.042
CE-139	-9.768E-02		3.541E-01	5.903E-01	4.125E-02	-0.165
BA-140	1.207E+00		7.172E+00	1.343E+01	4.393E+00	0.090
LA-140	2.219E-01		1.719E+00	3.582E+00	2.082E-01	0.062
CE-141	5.441E-01		8.817E-01	1.552E+00	3.701E-01	0.351
CE-144	-4.104E-01		2.155E+00	3.644E+00	3.414E-01	-0.113
PM-144	3.243E-01		5.812E-01	1.017E+00	7.216E-02	0.319
PM-145	0.000E+00		0.000E+00	1.271E-01	8.282E-02	0.000
PM-146	1.459E-01		8.823E-01	1.655E+00	1.052E-01	0.088
ND-147	-1.091E+01		1.618E+01	2.803E+01	1.907E+00	-0.389
EU-152	-1.013E+00		3.146E+00	5.569E+00	4.896E-01	-0.182
GD-153	-3.875E-01		9.842E-01	1.652E+00	1.359E-01	-0.235
EU-154	-3.664E-01		1.488E+00	2.649E+00	1.675E-01	-0.138
EU-155	6.361E-01		9.381E-01	1.411E+00	9.706E-02	0.451
EU-156	-1.162E+01		1.816E+01	3.049E+01	6.737E+00	-0.381
HO-166M	-1.504E-02		8.129E-01	1.497E+00	1.050E-01	-0.010
IR-192	1.652E-02		8.539E-01	1.598E+00	1.031E-01	0.010
HG-203	-2.329E-03		5.379E-01	9.115E-01	5.616E-02	-0.003
BI-207	4.054E-01		4.051E-01	8.128E-01	5.663E-02	0.499
BI-210M	-2.933E-01		6.572E-01	1.065E+00	6.515E-02	-0.276
PB-210	-8.330E+00		3.189E+00	3.516E+00	2.657E-01	-2.369
PB-211	-3.723E+00		1.183E+01	1.916E+01	1.149E+00	-0.194
BI-212	-1.819E+00		4.774E+00	7.536E+00	5.232E-01	-0.241
PB-214	2.831E-01		1.234E+00	2.256E+00	1.344E-01	0.125
RN-219	-1.937E+00		6.460E+00	9.514E+00	5.685E-01	-0.204
RA-223	-2.105E+00		8.383E+00	1.374E+01	8.157E-01	-0.153
RA-224	2.225E+01		8.950E+00	1.715E+01	1.103E+00	1.297
RA-225	0.000E+00		0.000E+00	3.110E-01	2.641E-02	0.000
TH-227	1.388E+00		2.559E+00	4.202E+00	2.729E-01	0.330
AC-228	3.018E+00	+	2.559E+00	3.606E+00	2.016E-01	0.837
TH-230	1.023E-01		9.979E-01	1.804E+00	1.382E-01	0.057
PA-231	2.976E+00		1.352E+01	2.320E+01	1.366E+00	0.128
TH-231	0.000E+00		0.000E+00	2.947E-01	4.255E-02	0.000
PA-233	-7.675E-01		1.770E+00	2.838E+00	6.119E-01	-0.270
PA-234	-2.009E-01		1.033E+00	1.749E+00	1.666E-01	-0.115
PA-234M	-1.293E+01		5.339E+01	9.996E+01	6.203E+00	-0.129
TH-234	1.441E+00		7.227E+00	1.383E+01	9.123E-01	0.104
U-235	4.378E-01		2.309E+00	3.914E+00	6.860E-01	0.112
NP-237	1.543E+00		2.276E+00	3.423E+00	2.355E-01	0.451
AM-241	-2.145E+00		7.172E-01	9.928E-01	6.590E-02	-2.161

Nuclide	Half-life	Half-Life Ratio	Energy	%Abund	Activity (pCi/gram)	2-Sigma %Error	Rejected by
CO-56	78.76D	0.36	846.75*	99.96	---	Not Found	---
			1037.75	14.03	---	Not Found	---
			1238.25	67.00	2.045E+00	50.66	
			1771.40	15.51	---	Not Found	---
			2598.48	16.90	---	Not Found	---
% Abundances Found =			31.40	(Abn. Limit = 99.96%)			
GA-67	3.26D	8.72	93.31*	35.70	1.321E+03	389.11	Decay, Abun.
			208.95	2.24	---	Not Found	---
			300.22	16.00	---	Not Found	---
% Abundances Found =			66.18				
SB-126	12.40D	2.29	414.70	83.30	---	Not Found	---
			666.33	99.60	---	Not Found	---
			695.00	99.60	2.409E+00	121.47	
			720.50*	53.80	---	Not Found	---
% Abundances Found =			29.62				
LA-140	12.79D	2.22	328.77	20.50	---	Not Found	---
			487.03	45.50	3.569E+00	128.58	
			815.85	23.50	---	Not Found	---
			1596.49*	95.49	---	Not Found	---
% Abundances Found =			24.60				
PM-144	363.00D	0.08	476.78	42.00	---	Not Found	---
			618.01	98.60	3.799E-01	154.31	
			696.49*	99.49	---	Not Found	---
% Abundances Found =			41.07				
AC-228	1.41E+10Y	0.00	338.32	11.40	---	Not Found	---
			911.07*	27.70	3.018E+00	84.80	
			969.11	16.60	---	Not Found	---
% Abundances Found =			49.73				

Flag: "*" = Keyline



Spectrum : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107106_GE3_GAS60_105395.CNF;1
Title :
Sample Title: B-2 (0-3)
Start Time: 11-DEC-2006 09:10 Sample Time: 13-NOV-2006 00:00 Energy Offset: -7.48504E-01
Real Time : 0 02:00:10.06 Sample ID : 0611071-06 Energy Slope : 1.00064E+00
Live Time : 0 02:00:00.00 Sample Type: SLUDGE Energy Quad : 0.00000E+00



Channel

1:	0	0	0	0	0	0	0	0
9:	0	0	0	0	0	0	0	0
17:	0	0	0	0	0	0	0	0
25:	0	0	0	0	0	0	0	0
33:	0	0	0	0	0	0	0	0
41:	0	0	0	0	0	0	0	0
49:	15	26	26	26	30	28	26	30
57:	26	32	26	31	21	18	36	115
65:	53	36	34	31	23	24	24	43
73:	23	37	75	92	46	146	53	37
81:	30	35	22	30	41	43	29	52
89:	40	26	44	37	94	96	34	34
97:	22	21	19	18	36	22	26	21
105:	25	20	33	17	26	22	19	24
113:	22	28	29	17	17	20	32	21
121:	23	17	23	24	27	19	23	13
129:	26	29	23	16	23	19	24	30
137:	23	22	17	27	22	24	26	26
145:	34	23	24	25	20	19	16	23
153:	17	27	27	22	25	24	15	18
161:	20	28	19	22	19	22	29	21
169:	27	26	26	24	23	21	19	15
177:	31	24	21	14	23	14	13	20
185:	19	44	64	24	15	24	15	14
193:	11	18	25	26	22	19	23	23
201:	19	26	17	18	19	18	24	19
209:	27	32	22	15	19	19	17	21
217:	17	24	13	13	14	22	10	15
225:	19	24	20	19	15	22	13	21
233:	10	16	8	20	15	10	80	62
241:	24	26	35	18	20	13	22	13
249:	16	15	11	11	17	18	13	15
257:	16	19	20	10	18	17	19	12
265:	9	19	14	13	9	17	17	14
273:	18	17	13	11	10	13	8	15
281:	15	13	14	13	13	15	18	13
289:	17	17	8	9	13	14	19	54
297:	25	15	13	18	17	12	12	17
305:	17	16	9	15	14	21	14	15
313:	11	10	19	17	18	8	16	12
321:	8	7	12	9	20	13	16	16
329:	21	22	17	10	16	12	16	13
337:	10	18	21	12	13	13	15	15
345:	12	14	9	16	17	11	13	44
353:	54	18	16	11	13	9	11	6
361:	17	7	7	19	16	5	3	9
369:	10	8	9	8	7	10	16	13
377:	11	11	9	12	11	13	10	8
385:	19	23	9	11	7	11	10	11
393:	14	10	10	9	8	17	12	11
401:	11	14	15	8	5	10	7	14
409:	16	10	10	6	8	6	13	9
417:	9	3	8	9	8	8	7	9
425:	10	14	5	9	5	5	11	10

433:	7	7	11	9	12	9	8	12
441:	12	6	9	7	13	10	11	8
449:	8	10	6	12	9	11	11	9
457:	6	6	15	11	14	11	10	6
465:	13	6	7	6	8	9	8	3
473:	6	6	11	3	6	7	10	6
481:	5	9	7	7	9	6	15	11
489:	3	5	5	9	8	10	7	8
497:	8	5	8	7	8	8	11	8
505:	4	11	7	8	15	25	64	55
513:	32	17	15	15	8	5	8	5
521:	9	3	7	5	4	12	4	10
529:	7	4	8	4	8	5	7	8
537:	8	13	9	4	13	9	8	10
545:	6	9	6	7	4	2	5	9
553:	8	6	7	6	6	8	11	11
561:	5	1	9	4	5	6	4	6
569:	6	13	9	12	10	6	6	8
577:	3	8	4	4	8	6	16	22
585:	9	7	8	7	5	4	4	6
593:	2	6	4	8	7	8	5	8
601:	8	9	5	12	7	4	6	5
609:	51	73	26	5	10	7	7	7
617:	4	6	12	4	7	3	5	11
625:	3	6	9	7	7	7	5	8
633:	10	8	5	4	8	8	5	5
641:	8	5	8	8	6	4	5	5
649:	10	5	6	6	3	1	5	4
657:	5	8	4	6	10	7	9	5
665:	4	10	8	9	7	5	4	4
673:	6	3	3	5	5	6	8	6
681:	4	3	2	5	3	4	4	2
689:	6	3	4	9	9	17	11	2
697:	10	7	10	6	8	5	4	2
705:	8	4	8	9	5	8	6	3
713:	5	6	10	4	5	5	6	6
721:	4	6	8	8	4	2	3	16
729:	6	10	3	1	2	7	1	2
737:	4	6	4	8	2	6	4	4
745:	5	3	4	4	6	4	6	3
753:	4	5	3	2	3	0	2	2
761:	4	4	6	4	5	6	9	5
769:	9	5	2	4	9	3	3	6
777:	9	6	1	7	5	5	3	3
785:	5	3	4	4	3	6	3	6
793:	3	4	2	3	2	3	7	4
801:	3	6	7	11	1	11	7	7
809:	5	3	6	6	6	4	5	6
817:	4	6	6	3	2	1	4	4
825:	6	3	6	2	5	0	4	1
833:	9	6	2	8	4	3	7	6
841:	8	8	3	5	5	8	6	4
849:	4	5	2	3	6	4	2	7
857:	1	3	4	8	6	4	5	4
865:	4	3	2	2	5	5	0	4
873:	3	4	2	6	3	2	4	1
881:	7	4	1	0	8	5	5	4
889:	7	4	5	4	1	4	2	6
897:	4	3	2	3	2	1	3	2
905:	2	5	3	7	1	4	10	7

913:	5	4	7	0	0	5	3	5
921:	4	2	6	7	4	2	1	5
929:	2	5	2	4	5	6	2	4
937:	4	3	3	4	4	3	0	6
945:	2	3	1	1	3	2	4	3
953:	2	0	4	4	3	3	3	5
961:	2	2	3	4	2	2	3	4
969:	8	7	0	4	7	3	4	2
977:	4	3	4	2	3	2	2	4
985:	3	3	2	1	3	2	4	1
993:	2	0	5	2	5	1	4	2
1001:	4	5	3	5	1	2	3	0
1009:	4	4	1	3	1	3	4	3
1017:	2	2	0	3	0	2	3	0
1025:	4	1	4	2	3	1	2	2
1033:	6	3	4	3	1	1	3	4
1041:	2	5	4	3	1	2	1	7
1049:	5	2	3	2	6	3	5	3
1057:	3	3	2	2	2	2	0	2
1065:	2	8	1	4	2	4	1	6
1073:	3	3	2	2	1	3	4	3
1081:	3	4	2	3	1	4	1	4
1089:	7	0	4	1	2	4	4	5
1097:	8	5	3	3	3	1	3	6
1105:	3	0	4	2	2	0	1	2
1113:	1	7	2	5	4	2	6	8
1121:	17	3	5	4	5	1	5	2
1129:	5	4	3	2	4	1	1	2
1137:	0	3	3	4	3	6	1	3
1145:	3	2	1	2	0	2	1	2
1153:	1	5	6	5	1	1	2	3
1161:	3	2	2	3	4	2	1	6
1169:	3	4	2	2	1	1	3	5
1177:	7	4	1	3	2	6	3	4
1185:	6	2	2	6	2	2	1	1
1193:	1	0	3	5	3	3	1	3
1201:	1	4	3	3	2	2	4	4
1209:	3	2	2	3	1	3	1	1
1217:	4	0	1	1	3	3	2	2
1225:	1	3	4	3	2	4	0	4
1233:	0	0	0	3	2	11	5	2
1241:	3	2	2	3	2	1	3	4
1249:	1	1	7	5	1	2	3	3
1257:	1	3	1	0	3	1	1	2
1265:	1	5	2	2	3	2	3	3
1273:	2	1	5	1	1	4	1	3
1281:	5	1	1	1	2	2	1	2
1289:	1	1	2	1	1	1	4	4
1297:	5	4	3	3	0	1	2	2
1305:	2	1	2	1	2	3	0	3
1313:	5	1	1	3	2	0	4	2
1321:	3	2	4	1	1	0	3	1
1329:	2	2	4	1	3	1	4	2
1337:	2	2	3	3	3	3	4	1
1345:	2	4	0	1	1	0	3	3
1353:	3	3	1	6	1	3	3	0
1361:	1	0	2	2	2	0	0	2
1369:	1	2	1	3	1	0	2	2
1377:	1	4	3	2	1	3	0	0
1385:	1	4	2	1	2	3	2	2

1393:	2	4	1	4	2	1	1	2
1401:	2	1	3	0	1	0	4	1
1409:	1	2	0	2	2	3	1	1
1417:	1	1	2	1	7	2	3	2
1425:	3	2	0	2	3	1	2	1
1433:	1	2	2	2	0	1	1	5
1441:	1	1	1	1	1	2	3	4
1449:	1	5	4	0	2	1	1	5
1457:	1	0	8	10	13	16	4	0
1465:	3	2	0	1	1	0	1	2
1473:	3	2	1	0	2	1	2	0
1481:	4	2	2	3	0	2	2	1
1489:	2	2	5	0	2	1	3	4
1497:	1	0	3	2	5	0	0	2
1505:	0	1	1	0	0	1	3	1
1513:	3	1	3	1	3	1	2	2
1521:	1	2	1	4	0	1	1	1
1529:	2	2	2	3	3	2	0	3
1537:	1	2	1	4	3	0	2	1
1545:	0	0	1	3	2	2	1	0
1553:	3	0	1	1	2	3	3	2
1561:	0	1	3	0	0	3	1	3
1569:	0	0	0	2	2	0	3	2
1577:	0	2	1	2	0	0	2	0
1585:	0	2	1	3	2	0	2	0
1593:	2	0	0	1	0	1	2	0
1601:	0	1	1	4	1	0	1	1
1609:	0	2	1	1	1	2	1	1
1617:	1	0	1	2	0	1	2	2
1625:	1	3	1	1	4	1	4	3
1633:	1	1	3	3	1	1	1	1
1641:	4	1	1	0	4	1	0	1
1649:	2	1	2	3	4	0	0	2
1657:	1	1	0	2	0	0	1	2
1665:	0	1	0	3	0	0	0	2
1673:	0	2	2	0	1	3	0	3
1681:	1	0	1	2	2	0	0	3
1689:	3	1	1	3	1	0	0	1
1697:	1	1	0	3	3	2	2	3
1705:	0	0	0	1	0	2	2	1
1713:	0	2	0	1	1	0	1	0
1721:	1	0	0	3	0	0	0	1
1729:	0	7	1	1	0	0	1	2
1737:	0	0	0	0	2	0	2	1
1745:	0	1	0	2	0	1	1	1
1753:	1	2	4	0	1	3	0	1
1761:	0	0	1	7	10	0	0	2
1769:	2	1	1	1	2	1	1	1
1777:	2	1	0	0	2	1	0	2
1785:	2	1	0	3	1	0	1	0
1793:	0	1	1	0	2	0	1	0
1801:	0	0	5	4	1	2	1	0
1809:	0	2	1	0	2	0	0	1
1817:	0	0	1	1	0	0	1	0
1825:	1	1	1	0	1	2	0	1
1833:	1	0	2	1	2	1	0	2
1841:	0	1	0	1	1	0	3	0
1849:	0	1	1	1	0	3	1	2
1857:	1	1	1	0	1	1	2	1
1865:	1	0	0	1	0	3	1	1

1873:	1	1	0	1	1	3	1	1
1881:	1	1	0	1	1	1	1	0
1889:	3	0	1	1	2	0	0	3
1897:	1	0	2	0	0	1	2	2
1905:	1	1	1	1	1	0	1	0
1913:	1	0	0	0	1	1	1	1
1921:	0	1	2	1	0	0	1	1
1929:	0	3	1	0	0	0	1	2
1937:	1	0	1	0	1	1	1	3
1945:	1	2	0	0	0	0	2	0
1953:	1	0	0	0	1	0	0	1
1961:	1	0	2	2	0	0	2	2
1969:	0	1	1	2	0	2	0	2
1977:	0	0	1	1	0	1	0	0
1985:	0	0	5	0	0	2	0	0
1993:	1	0	2	0	0	0	1	0
2001:	0	0	1	2	2	0	1	1
2009:	1	3	0	1	1	0	0	1
2017:	0	2	1	2	1	0	0	1
2025:	1	2	0	1	1	1	1	0
2033:	0	1	1	2	2	1	2	0
2041:	0	0	0	0	0	0	1	1
2049:	0	0	2	0	1	0	4	0
2057:	0	1	1	1	0	0	0	2
2065:	0	0	2	0	0	0	2	1
2073:	3	0	0	2	0	1	0	0
2081:	1	2	1	0	0	1	1	0
2089:	1	0	0	0	0	1	2	0
2097:	1	1	2	2	1	0	0	0
2105:	3	0	1	2	0	0	1	1
2113:	0	1	1	0	0	2	0	1
2121:	0	2	2	2	1	0	1	0
2129:	0	1	1	2	2	1	0	2
2137:	0	1	0	0	0	0	0	2
2145:	0	1	0	1	0	1	0	0
2153:	1	1	0	2	1	0	0	3
2161:	1	1	0	1	1	2	0	0
2169:	1	0	0	1	4	1	1	2
2177:	0	0	0	1	1	0	0	0
2185:	1	2	0	0	0	0	0	2
2193:	1	0	2	0	2	1	0	0
2201:	1	2	2	0	2	0	1	1
2209:	0	1	2	0	2	0	0	1
2217:	1	0	2	1	0	0	1	1
2225:	0	0	0	1	0	1	1	0
2233:	2	3	0	0	0	0	0	2
2241:	1	2	0	0	0	1	0	1
2249:	2	1	0	1	0	0	1	1
2257:	0	0	1	2	1	1	0	0
2265:	0	0	1	0	0	0	0	0
2273:	0	2	0	1	1	0	0	0
2281:	0	1	0	2	0	1	0	1
2289:	0	0	0	0	0	2	0	0
2297:	1	0	3	0	0	2	0	0
2305:	2	0	1	1	0	0	0	0
2313:	0	0	1	0	0	1	1	1
2321:	0	1	0	0	1	0	0	0
2329:	0	0	0	0	2	0	0	0
2337:	0	1	1	0	0	0	1	2
2345:	1	0	3	2	2	1	1	0

2353:	0	1	0	1	2	2	0	1
2361:	0	0	1	1	0	1	1	0
2369:	1	4	0	0	1	0	2	1
2377:	1	1	0	1	0	1	0	2
2385:	1	0	1	2	0	0	0	1
2393:	0	0	0	0	1	1	0	0
2401:	0	1	0	1	1	1	0	2
2409:	2	1	2	0	0	0	0	1
2417:	0	1	0	0	1	1	2	0
2425:	0	1	1	0	0	2	0	0
2433:	0	0	0	2	0	2	0	0
2441:	1	0	0	0	1	3	1	0
2449:	0	0	2	0	1	2	1	0
2457:	1	2	0	1	1	0	1	2
2465:	3	1	1	0	1	0	0	1
2473:	1	1	0	0	0	0	2	0
2481:	1	0	0	1	1	0	1	1
2489:	0	1	0	0	0	0	0	0
2497:	0	0	0	0	1	0	1	0
2505:	0	2	0	0	1	0	0	1
2513:	0	0	0	0	0	1	0	1
2521:	1	1	0	0	0	0	0	2
2529:	3	2	0	1	0	1	0	1
2537:	2	1	0	0	0	0	0	0
2545:	0	0	1	0	0	1	1	0
2553:	0	0	0	1	0	1	1	0
2561:	0	0	0	0	2	0	1	0
2569:	0	0	0	0	1	1	0	0
2577:	1	1	1	0	0	0	1	0
2585:	0	0	1	0	0	0	0	0
2593:	1	0	1	1	2	0	0	1
2601:	0	0	0	0	1	0	0	0
2609:	0	0	0	1	3	5	6	4
2617:	0	2	0	0	1	0	0	0
2625:	0	0	0	0	2	0	0	0
2633:	1	1	2	0	1	0	1	0
2641:	1	0	0	0	0	0	0	1
2649:	2	0	0	0	0	1	1	0
2657:	0	2	0	0	0	1	0	0
2665:	0	0	0	0	0	0	0	2
2673:	1	0	0	1	0	0	0	0
2681:	0	1	0	2	0	1	0	0
2689:	0	0	0	0	1	0	1	0
2697:	1	0	0	1	0	0	2	0
2705:	0	1	0	0	0	0	0	0
2713:	0	0	0	2	0	0	0	0
2721:	1	1	1	0	0	0	0	0
2729:	2	0	1	0	0	0	0	0
2737:	0	1	0	1	0	0	0	1
2745:	1	0	2	0	1	0	0	0
2753:	1	0	1	0	0	1	0	0
2761:	0	0	2	0	0	0	0	0
2769:	0	0	1	0	0	0	0	1
2777:	0	0	1	0	0	1	2	0
2785:	1	1	1	0	0	0	0	0
2793:	0	1	0	0	0	0	0	1
2801:	1	0	0	0	0	0	0	0
2809:	2	1	0	0	0	0	0	0
2817:	0	0	2	1	1	0	0	0
2825:	0	1	1	0	1	1	0	1

2833:	1	0	0	0	1	3	0	0
2841:	0	0	0	1	0	0	0	1
2849:	0	0	0	0	0	1	2	0
2857:	0	0	0	0	0	0	1	1
2865:	1	0	0	1	0	1	0	1
2873:	2	0	0	1	0	0	1	0
2881:	0	1	0	2	0	0	0	0
2889:	0	0	0	0	0	2	0	2
2897:	0	2	0	1	0	0	1	0
2905:	2	0	1	3	2	0	1	1
2913:	1	0	0	1	1	0	0	1
2921:	1	0	0	0	0	0	0	0
2929:	0	0	0	0	0	0	0	0
2937:	1	0	1	0	0	0	0	0
2945:	0	0	1	1	1	0	0	0
2953:	0	0	1	0	0	1	0	0
2961:	1	0	0	0	0	0	0	0
2969:	0	0	0	0	1	0	1	0
2977:	0	0	0	0	0	1	0	0
2985:	0	0	0	0	0	1	0	0
2993:	0	1	0	0	0	0	1	0
3001:	1	0	1	0	0	0	0	0
3009:	0	1	1	0	0	0	0	0
3017:	1	2	1	0	0	0	0	0
3025:	0	0	0	0	0	1	0	1
3033:	0	2	0	0	0	1	0	1
3041:	0	2	0	0	0	0	0	0
3049:	0	0	1	0	0	0	0	0
3057:	1	1	1	0	0	1	2	1
3065:	0	0	0	0	1	0	0	0
3073:	1	0	0	0	1	0	0	1
3081:	0	0	0	0	0	0	0	0
3089:	1	1	0	1	0	0	0	0
3097:	1	2	0	0	0	0	0	0
3105:	0	1	0	1	1	1	1	0
3113:	0	0	0	0	0	2	0	1
3121:	0	1	0	0	0	0	0	0
3129:	0	0	0	1	2	0	0	1
3137:	0	1	0	0	0	0	0	1
3145:	0	0	2	0	0	0	0	0
3153:	0	0	2	0	0	0	1	0
3161:	0	0	0	1	1	0	0	1
3169:	0	0	0	0	1	0	2	3
3177:	0	0	0	0	0	0	1	0
3185:	1	0	0	1	1	0	0	0
3193:	0	0	0	0	0	1	1	1
3201:	0	1	0	0	1	1	0	0
3209:	0	0	0	0	0	0	0	0
3217:	0	0	0	0	1	0	0	1
3225:	0	0	0	1	0	0	0	2
3233:	0	0	1	0	0	0	0	0
3241:	1	0	0	0	0	0	0	2
3249:	1	1	0	0	1	0	0	0
3257:	0	0	0	1	2	1	0	0
3265:	0	0	0	0	1	0	0	1
3273:	2	1	0	0	1	0	1	1
3281:	0	0	1	0	0	0	0	0
3289:	0	1	1	0	0	0	0	0
3297:	0	0	3	0	0	0	1	0
3305:	1	0	0	1	0	2	0	2

3793:	0	0	0	0	1	0	1	0
3801:	2	0	1	0	0	0	0	1
3809:	0	0	0	0	0	0	0	1
3817:	0	0	1	0	0	0	0	1
3825:	0	1	1	2	0	0	0	0
3833:	0	1	0	1	0	0	0	0
3841:	0	0	0	0	0	1	2	1
3849:	1	0	1	0	0	0	1	2
3857:	1	0	0	0	0	0	0	2
3865:	0	0	0	0	0	0	0	2
3873:	0	1	0	0	1	2	0	1
3881:	0	1	1	0	0	0	0	0
3889:	1	0	1	0	0	1	0	0
3897:	0	0	0	0	0	0	0	1
3905:	1	0	0	0	0	0	0	1
3913:	0	0	0	0	0	0	0	0
3921:	0	0	1	0	0	1	0	0
3929:	1	0	0	2	1	1	0	0
3937:	0	0	0	0	0	0	0	1
3945:	0	0	0	1	0	0	0	0
3953:	1	0	0	0	2	0	0	0
3961:	0	0	1	0	1	0	1	0
3969:	0	0	0	2	0	0	0	0
3977:	0	0	0	0	1	0	0	0
3985:	1	0	0	0	0	0	1	0
3993:	0	0	0	0	0	0	0	0
4001:	1	1	0	1	0	0	1	0
4009:	0	0	0	0	0	0	0	0
4017:	0	0	0	0	1	1	0	1
4025:	0	0	0	1	0	1	0	0
4033:	0	0	0	0	0	0	2	0
4041:	0	0	0	1	0	0	0	0
4049:	0	0	0	1	0	0	0	1
4057:	0	0	0	0	0	0	0	1
4065:	0	0	0	0	0	1	0	0
4073:	1	0	0	0	0	0	0	1
4081:	0	0	0	0	0	0	0	1
4089:	0	0	0	1	0	0	0	0

VAX/VMS Peak Search Report Generated 11-DEC-2006 11:11:39.15

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107107_GE4_GAS60_105396.CN
 Analyses by : PEAK V16.9 ENBACK V1.6 PEAKEFF V2.2
 Client ID : B-2 (3-6)
 Deposition Date :
 Sample Date : 13-NOV-2006 00:00:00 Acquisition date : 11-DEC-2006 09:11:26
 Sample ID : 0611071-07 Sample Quantity : 5.94500E+01 gram
 Sample type : SLUDGE Sample Geometry : 0
 Detector name : GE4 Detector Geometry: GAS-60
 Elapsed live time: 0 02:00:00.00 Elapsed real time: 0 02:00:02.61 0.0%
 Start channel : 5 End channel : 4096
 Sensitivity : 2.40000 Gaussian : 15.00000
 Critical level : Yes

Post-NID Peak Search Report

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
0	63.10*	68	337	1.74	62.39	59	7	99.0		TH-234
3	75.13*	155	390	1.84	74.42	72	8	49.0	2.80E+00	
3	77.44*	296	287	1.60	76.73	72	8	23.2		
2	85.04	70	285	1.92	84.33	81	17	79.4	8.30E+00	NP-237
2	89.37	100	264	1.93	88.66	81	17	58.7		CD-109
0	128.39	86	300	6.87	127.71	123	11	80.9		
0	186.37*	57	226	1.84	185.71	182		101.7		RA-226
0	210.36	54	192	4.70	209.71	207	8	92.8		
0	239.39*	320	342	1.84	238.75	230	14	27.4		PB-212
0	270.49	74	149	2.69	269.86	266	9	64.2		
0	295.60*	65	93	1.84	294.98	292	6	56.8		PB-214
0	338.26	51	115	1.06	337.65	334	8	78.2		AC-228
0	352.36*	117	172	1.87	351.76	348	10	47.7		PB-214
3	478.07	20	61	2.48	477.52	472	20	131.2	2.18E+00	BE-7
3	483.16	22	53	2.48	482.62	472	20	119.4		
0	558.52	21	24	1.26	558.00	555	6	85.7		
0	583.72*	75	63	1.41	583.21	579	8	45.1		TL-208
0	609.40*	107	62	1.37	608.90	605	8	34.4		BI-214
0	681.00	17	24	1.93	680.53	677		101.9		
0	711.99	35	61	8.65	711.54	706	12	94.1		
0	728.08	28	36	1.21	727.62	724	8	83.3		BI-212
0	876.34	26	31	3.09	875.95	870	10	90.1		
0	911.27*	39	20	1.51	910.90	907	8	52.6		AC-228
0	970.52	24	34	1.82	970.16	966		9104.0		AC-228
0	1020.99	19	22	2.37	1020.66	1015	10	103.7		
0	1040.39	17	25	2.15	1040.06	1035	10	122.1		
0	1070.05	10	11	1.75	1069.73	1067		5119.0		
8	1116.61	8	7	2.39	1116.31	1115	15	106.8	5.10E+00	ZN-65
8	1125.74	9	13	2.55	1125.44	1115	15	163.1		
0	1133.36	14	9	1.83	1133.07	1130	6	86.3		
0	1142.91	15	14	4.69	1142.63	1139		8102.8		
0	1238.46	15	23	1.68	1238.21	1233		9129.1		
0	1246.92	10	11	1.20	1246.67	1244		6129.8		
0	1290.96	10	10	1.41	1290.73	1286		8125.5		
0	1426.49	22	8	2.60	1426.32	1422	11	65.0		
0	1460.79*	153	3	2.31	1460.63	1457	9	17.3		K-40

AG
12/12/06

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
0	1507.96	13	6	2.67	1507.82	1503	8	85.8		
0	1532.05	9	2	4.79	1531.91	1528	8	83.9		
0	1608.00	16	3	3.97	1607.89	1602	10	61.7		
0	1649.09	5	2	1.11	1649.00	1645		6113.5		
0	1659.27	11	0	3.23	1659.18	1655	9	60.3		
0	1731.27	6	1	2.48	1731.22	1728		6107.8		
0	1763.76*	21	3	1.29	1763.71	1758	11	58.9		BI-214
0	1899.79	5	0	2.41	1899.80	1897	6	89.4		
0	2031.65	5	1	1.66	2031.71	2029		5113.8		
0	2218.45	7	2	3.34	2218.58	2215	7	96.2		
0	2347.32	12	0	3.91	2347.50	2344	7	57.7		
0	2615.00*	24	4	1.99	2615.29	2611	7	52.4		TL-208

Total number of lines in spectrum 48
 Number of unidentified lines 26
 Number of lines tentatively identified by NID 22 45.83%

Nuclide Type : ACTIVATION

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/gram	Decay Corr pCi/gram			
BE-7	53.44D	1.45	1.329E+00	1.921E+00	2.525E+00	131.43	
ZN-65	244.40D	1.08	2.476E-01	2.684E-01	2.877E-01	107.18	
Total Activity :			1.576E+00	2.189E+00			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/gram	Decay Corr pCi/gram			
K-40	1.28E+09Y	1.00	2.892E+01	2.892E+01	0.539E+01	18.63	
TL-208	1.41E+10Y	1.00	2.138E+00	2.138E+00	0.740E+00	34.64	
BI-212	1.41E+10Y	1.00	2.550E+00	2.550E+00	2.132E+00	83.62	
PB-212	1.41E+10Y	1.00	2.556E+00	2.556E+00	0.722E+00	28.24	
BI-214	1602.00Y	1.00	2.219E+00	2.219E+00	0.682E+00	30.72	
PB-214	1602.00Y	1.00	1.550E+00	1.550E+00	0.573E+00	36.96	
RA-226	1602.00Y	1.00	4.987E+00	4.987E+00	10.44E+00	209.38	
AC-228	1.41E+10Y	1.00	1.989E+00	1.989E+00	0.806E+00	40.54	
TH-234	4.47E+09Y	1.00	3.774E+00	3.774E+00	3.747E+00	99.29	
Total Activity :			5.069E+01	5.069E+01			

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/gram	Decay Corr pCi/gram			
CD-109	464.00D	1.04	5.427E+00	5.663E+00	3.383E+00	59.73	
NP-237	2.14E+06Y	1.00	1.117E+00	1.117E+00	0.893E+00	79.92	
Total Activity :			6.545E+00	6.780E+00			

Grand Total Activity : 5.881E+01 5.966E+01

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: ACTIVATION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
BE-7	477.59	10.42*	8.958E-01	1.329E+00	1.921E+00	131.43	OK
Final Mean for 1 Valid Peaks = 1.921E+00+/- 2.525E+00 (131.43%)							
ZN-65	1115.52	50.75*	3.935E-01	2.476E-01	2.684E-01	107.18	OK
Final Mean for 1 Valid Peaks = 2.684E-01+/- 2.877E-01 (107.18%)							

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
K-40	1460.81	10.67*	3.122E-01	2.892E+01	2.892E+01	18.63	OK
Final Mean for 1 Valid Peaks = 2.892E+01+/- 5.387E+00 (18.63%)							
TL-208	583.14	30.22*	7.316E-01	2.139E+00	2.139E+00	45.80	OK
	860.37	4.48	4.996E-01	-----	Line Not Found	-----	Absent
	2614.66	35.85	2.004E-01	2.137E+00	2.137E+00	52.94	OK
Final Mean for 2 Valid Peaks = 2.138E+00+/- 7.405E-01 (34.64%)							
BI-212	727.17	11.80*	5.875E-01	2.550E+00	2.550E+00	83.62	OK
	1620.62	2.75	2.869E-01	-----	Line Not Found	-----	Absent
Final Mean for 1 Valid Peaks = 2.550E+00+/- 2.132E+00 (83.62%)							
PB-212	238.63	44.60*	1.772E+00	2.556E+00	2.556E+00	28.24	OK
	300.09	3.41	1.429E+00	-----	Line Not Found	-----	Absent
Final Mean for 1 Valid Peaks = 2.556E+00+/- 7.218E-01 (28.24%)							
BI-214	609.31	46.30*	7.000E-01	2.076E+00	2.076E+00	35.28	OK
	1120.29	15.10	3.920E-01	-----	Line Not Found	-----	Absent
	1764.49	15.80	2.682E-01	3.150E+00	3.150E+00	59.22	OK
	2204.22	4.98	2.266E-01	-----	Line Not Found	-----	Absent
Final Mean for 2 Valid Peaks = 2.219E+00+/- 6.817E-01 (30.72%)							
PB-214	295.21	19.19	1.452E+00	1.466E+00	1.466E+00	57.24	OK
	351.92	37.19*	1.221E+00	1.622E+00	1.623E+00	48.31	OK
Final Mean for 2 Valid Peaks = 1.550E+00+/- 5.728E-01 (36.96%)							
RA-226	186.21	3.28*	2.185E+00	4.987E+00	4.987E+00	209.38	OK
Final Mean for 1 Valid Peaks = 4.987E+00+/- 1.044E+01 (209.38%)							

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
AC-228	338.32	11.40	1.270E+00	2.227E+00	2.227E+00	78.52	OK
	911.07	27.70*	4.734E-01	1.900E+00	1.900E+00	52.95	OK
	969.11	16.60	4.470E-01	2.032E+00	2.032E+00	104.23	OK

Final Mean for 3 Valid Peaks = 1.989E+00 +/- 8.063E-01 (40.54%)

TH-234	63.29	3.80*	2.974E+00	3.774E+00	3.774E+00	99.29	OK
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Final Mean for 1 Valid Peaks = 3.774E+00 +/- 3.747E+00 (99.29%)

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
CD-109	88.03	3.72*	3.130E+00	5.427E+00	5.663E+00	59.73	OK

Final Mean for 1 Valid Peaks = 5.663E+00 +/- 3.383E+00 (59.73%)

NP-237	86.50	12.60*	3.134E+00	1.117E+00	1.117E+00	79.92	OK
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Final Mean for 1 Valid Peaks = 1.117E+00 +/- 8.929E-01 (79.92%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/gram)	Act error	MDA (pCi/gram)	MDA error	Act/MDA
BE-7	1.921E+00	2.525E+00	3.337E+00	2.587E-01	0.576
K-40	2.892E+01	5.387E+00	3.295E+00	2.140E-01	8.779
ZN-65	2.684E-01	2.877E-01	6.598E-01	5.508E-02	0.407
CD-109	5.663E+00	3.383E+00	4.182E+00	4.625E-01	1.354
TL-208	2.138E+00	7.405E-01	1.040E+00	8.022E-02	2.056
BI-212	2.550E+00	2.132E+00	2.839E+00	2.003E-01	0.898
PB-212	2.556E+00	7.218E-01	4.385E-01	2.959E-02	5.828
BI-214	2.219E+00	6.817E-01	6.283E-01	4.776E-02	3.532
PB-214	1.550E+00	5.728E-01	6.505E-01	4.715E-02	2.382
RA-226	4.987E+00	1.044E+01	5.340E+00	9.775E+00	0.934
AC-228	1.989E+00	8.063E-01	1.283E+00	7.582E-02	1.550
TH-234	3.774E+00	3.747E+00	4.456E+00	3.061E-01	0.847
NP-237	1.117E+00	8.929E-01	1.181E+00	1.082E-01	0.946

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
NA-22	1.903E-01		2.447E-01	4.910E-01	3.591E-02	0.388
AL-26	-4.235E-02		1.569E-01	2.889E-01	1.670E-02	-0.147
CR-51	3.006E-01		2.486E+00	4.506E+00	3.446E-01	0.067
MN-54	-9.881E-02		2.208E-01	3.779E-01	2.408E-02	-0.261
CO-56	-1.498E-01		2.551E-01	4.293E-01	2.691E-02	-0.349
CO-57	6.774E-02		1.067E-01	1.684E-01	1.216E-02	0.402
CO-58	-1.214E-01		2.666E-01	4.520E-01	2.979E-02	-0.269
FE-59	-3.623E-01		6.036E-01	1.002E+00	8.893E-02	-0.361
CO-60	9.754E-02		2.391E-01	4.557E-01	4.139E-02	0.214
SE-75	-1.268E-01		2.379E-01	3.680E-01	2.529E-02	-0.345
RB-83	-1.273E-01		4.466E-01	7.824E-01	1.190E-01	-0.163
KR-85	5.708E+00		5.198E+01	9.214E+01	7.201E+00	0.062
SR-85	3.365E-02		3.064E-01	5.431E-01	4.245E-02	0.062
Y-88	-1.076E-01		2.710E-01	4.636E-01	2.654E-02	-0.232
NB-93M	7.441E+01		7.121E+01	3.146E+01	2.933E+01	2.365
NB-94	-1.048E-01		2.393E-01	3.591E-01	2.170E-02	-0.292
NB-95	2.209E-01		3.566E-01	6.795E-01	4.667E-02	0.325
NB-95M	1.774E+02		1.129E+02	2.149E+02	1.448E+01	0.826
ZR-95	8.677E-02		4.342E-01	8.075E-01	6.441E-02	0.107
RU-103	-1.609E-02		2.771E-01	4.763E-01	6.514E-02	-0.034
RU-106	-5.898E-01		1.679E+00	2.938E+00	3.726E-01	-0.201
AG-108M	4.689E-02		2.402E-01	3.682E-01	2.604E-02	0.127
AG-110M	-1.132E-02		2.040E-01	3.664E-01	2.668E-02	-0.031
SN-113	-9.418E-03		2.411E-01	4.330E-01	3.299E-02	-0.022
TE123M	-2.240E-01		1.492E-01	2.178E-01	1.392E-02	-1.029
SB-124	1.566E-01		2.787E-01	4.782E-01	3.651E-02	0.327
I-125	-7.139E-01		3.578E+00	5.844E+00	6.647E-01	-0.122
SB-125	2.875E-01		4.602E-01	8.721E-01	6.747E-02	0.330
SB-126	4.456E-01		2.333E+00	3.116E+00	2.207E-01	0.143
SN-126	6.455E-01		3.001E-01	4.908E-01	4.560E-02	1.315

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
SB-127	1.007E+01		8.373E+01	1.393E+02	1.003E+01	0.072
I-129	-9.644E-02		4.312E-01	7.034E-01	1.111E-01	-0.137
I-131	4.543E-01		1.905E+00	3.475E+00	2.530E-01	0.131
BA-133	2.097E-01		2.596E-01	4.438E-01	5.484E-02	0.472
CS-134	5.556E-02		2.079E-01	3.455E-01	2.642E-02	0.161
CS-135	7.873E-01		7.993E-01	1.382E+00	9.392E-02	0.570
CS-136	2.511E-01		1.265E+00	2.143E+00	1.670E-01	0.117
CS-137	-2.633E-01		2.316E-01	3.618E-01	2.631E-02	-0.728
CE-139	4.207E-02		1.316E-01	2.397E-01	1.487E-02	0.176
BA-140	-4.117E-01		2.889E+00	5.146E+00	1.695E+00	-0.080
LA-140	-1.222E+00		1.394E+00	1.750E+00	1.064E-01	-0.698
CE-141	-4.993E-02		3.808E-01	6.034E-01	1.404E-01	-0.083
CE-144	-2.093E-01		9.212E-01	1.355E+00	9.458E-02	-0.154
PM-144	8.155E-03		2.159E-01	3.834E-01	2.753E-02	0.021
PM-145	-3.038E-01		7.456E-01	1.160E+00	7.589E-01	-0.262
PM-146	-5.089E-02		3.593E-01	6.405E-01	4.914E-02	-0.079
ND-147	8.169E-01		6.782E+00	1.242E+01	9.711E-01	0.066
EU-152	1.987E-01		1.367E+00	2.617E+00	2.381E-01	0.076
GD-153	-2.072E-02		4.199E-01	6.826E-01	5.702E-02	-0.030
EU-154	4.557E-01		6.850E-01	1.354E+00	9.907E-02	0.336
EU-155	4.606E-01	+	3.681E-01	5.990E-01	5.487E-02	0.769
EU-156	1.899E+00		7.181E+00	1.318E+01	2.918E+00	0.144
HO-166M	6.865E-01	+	6.483E-01	6.807E-01	4.844E-02	1.009
IR-192	-3.686E-01		4.500E-01	6.579E-01	5.083E-02	-0.560
HG-203	1.715E-01		2.603E-01	4.405E-01	3.124E-02	0.389
BI-207	-2.630E-02		1.792E-01	3.084E-01	2.392E-02	-0.085
BI-210M	-7.343E-02		2.681E-01	4.243E-01	2.883E-02	-0.173
PB-210	1.043E+00		3.344E+00	5.634E+00	4.491E-01	0.185
PB-211	7.158E-01		4.605E+00	8.396E+00	6.214E-01	0.085
RN-219	5.447E-01		2.030E+00	3.734E+00	2.755E-01	0.146
RA-223	-6.529E-01		3.083E+00	5.469E+00	3.894E-01	-0.119
RA-224	2.251E+01		4.539E+00	8.687E+00	5.870E-01	2.591
RA-225	-1.734E-01		1.694E+00	2.778E+00	2.643E-01	-0.062
TH-227	2.965E+00		1.135E+00	2.211E+00	1.490E-01	1.341
TH-230	1.668E+00		7.309E-01	1.298E+00	1.033E-01	1.285
PA-231	2.413E+00		5.653E+00	9.470E+00	6.610E-01	0.255
TH-231	4.434E-01		2.580E+00	4.192E+00	9.378E-01	0.106
PA-233	3.617E-01		7.173E-01	1.288E+00	2.821E-01	0.281
PA-234	4.500E-01		4.230E-01	7.315E-01	5.140E-02	0.615
PA-234M	-1.164E+00		2.326E+01	4.193E+01	2.908E+00	-0.028
U-235	3.490E-02		9.449E-01	1.514E+00	2.523E-01	0.023
AM-241	1.987E-01		2.969E-01	4.615E-01	3.048E-02	0.431



Nuclide	Half-life	Half-Life		Energy	%Abund	Activity 2-Sigma		Rejected by		
		Ratio				(pCi/gram)	%Error			
CO-56	78.76D	0.36		846.75*	99.96	---	Not Found	---	Abun.	
				1037.75	14.03	---	Not Found	---		
				1238.25	67.00	4.888E-01	129.38			
				1771.40	15.51	---	Not Found	---		
				2598.48	16.90	---	Not Found	---		
% Abundances Found =				31.40	(Abn. Limit = 99.96%)					
FE-59	44.63D	0.64		1099.22*	56.50	---	Not Found	---	Abun.	
				1291.56	43.20	6.614E-01	125.84			
			% Abundances Found =				43.33			
GA-67	3.26D	8.72		93.31*	35.70	---	Not Found	---	Decay, Abun.	
				208.95	2.24	3.213E+03	382.06			
				300.22	16.00	---	Not Found	---		
			% Abundances Found =				4.15			
PM-144	363.00D	0.08		476.78	42.00	3.474E-01	131.43		Abun.	
				618.01	98.60	---	Not Found	---		
				696.49*	99.49	---	Not Found	---		
% Abundances Found =				17.49						
EU-155	4.96Y	0.02		86.50*	30.90	4.606E-01	79.92		Abun.	
				105.30	20.70	---	Not Found	---		
			% Abundances Found =				59.88			
HO-166M	1200.00Y	0.00		184.41	72.60	---	Not Found	---	Abun.	
				280.45	29.60	---	Not Found	---		
				410.94	11.10	---	Not Found	---		
				711.69*	54.10	6.865E-01	94.44			
			% Abundances Found =				32.32			
TH-230	7.70E+04Y	0.00		48.44*	16.90	---	Not Found	---	Abun.	
				62.85	4.60	3.127E+00	99.29			
			% Abundances Found =				21.40			
TH-231	7.04E+08Y	0.00		25.64*	14.70	---	Not Found	---	Abun.	
				84.21	6.40	2.197E+00	79.88			
			% Abundances Found =				30.33			

Flag: "*" = Keyline



Spectrum : DKA100: [GAMMA, SCUSR, ARCHIVE] SMP_061107107_GE4_GAS60_105396.CNF; 1

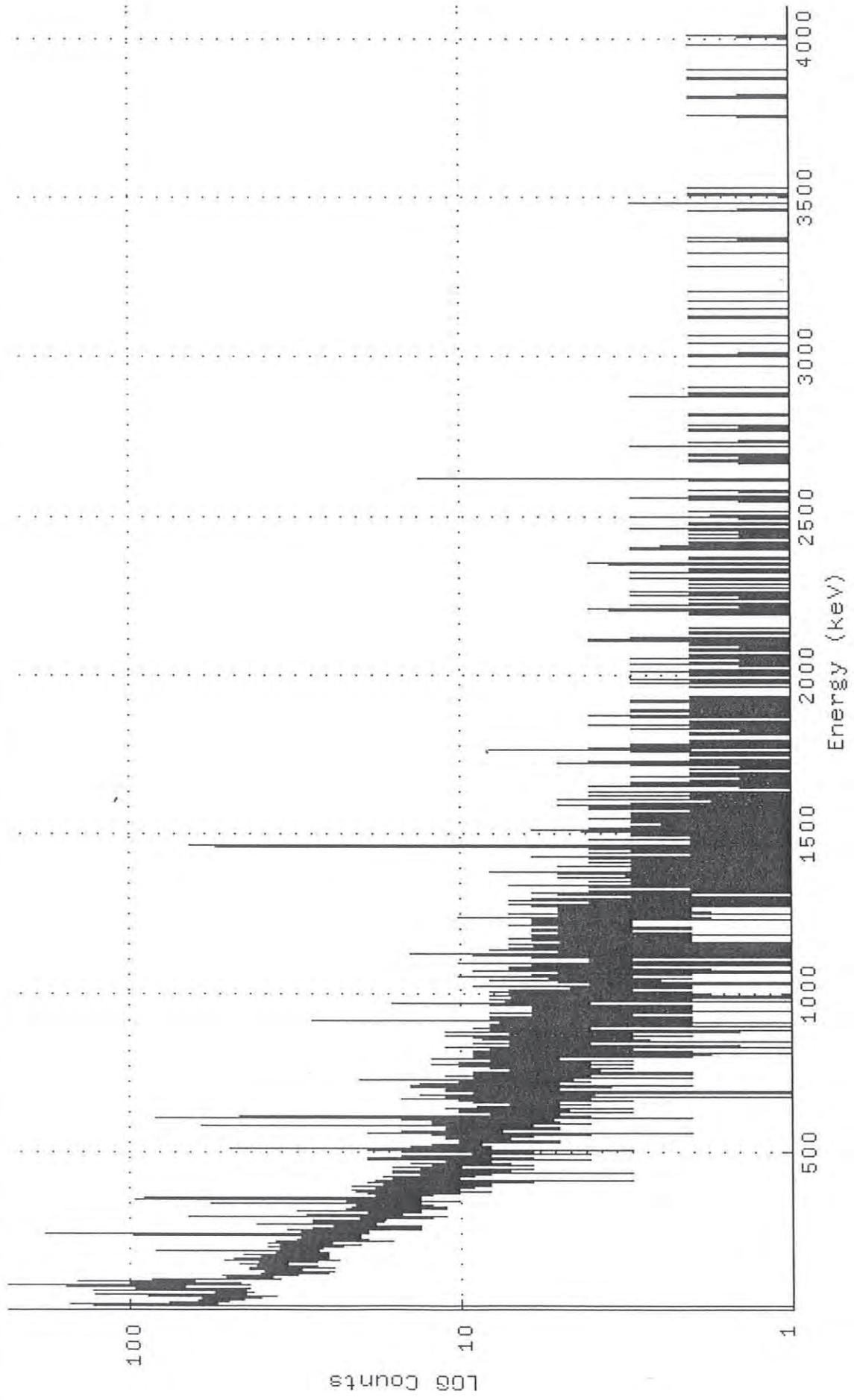
Title :

Sample Title: B-2 (3-6)

Start Time: 11-DEC-2006 09:11 Sample Time: 13-NOV-2006 00:00 Energy Offset: 7.35107E-01

Real Time : 0 02:00:02.61 Sample ID : 0611071-07 Energy Slope : 9.99608E-01

Live Time : 0 02:00:00.00 Sample Type: SLUDGE Energy Quad : 0.000000E+00



Channel

1:	0	0	0	0	0	0	0	0
9:	0	0	0	0	0	0	111	149
17:	91	89	85	72	54	72	70	75
25:	75	58	50	62	52	53	62	45
33:	55	40	60	48	41	43	48	56
41:	51	63	55	36	61	126	64	59
49:	47	44	50	44	43	47	42	50
57:	55	44	49	56	64	89	128	72
65:	43	56	79	64	55	82	83	75
73:	80	154	139	169	232	67	43	49
81:	50	57	56	87	46	79	99	63
89:	84	75	68	142	120	61	44	45
97:	35	41	57	45	37	42	39	37
105:	45	32	31	33	40	52	41	34
113:	40	36	38	35	25	31	39	34
121:	33	24	30	36	30	40	36	38
129:	43	43	33	33	24	31	26	37
137:	27	32	31	36	41	33	46	34
145:	33	33	40	32	34	35	35	27
153:	32	51	32	33	35	23	38	27
161:	27	48	42	25	36	32	33	40
169:	30	31	25	25	37	30	28	45
177:	27	35	32	27	36	25	36	29
185:	72	82	31	29	27	26	34	29
193:	28	30	32	38	36	24	33	25
201:	25	20	28	27	35	23	21	35
209:	38	36	32	36	25	23	28	36
217:	31	22	16	27	22	22	31	22
225:	19	21	20	22	30	23	20	35
233:	39	22	21	20	53	177	122	36
241:	52	47	19	25	19	30	24	20
249:	23	19	25	27	33	20	13	24
257:	13	28	24	14	23	17	17	23
265:	18	13	24	21	33	41	34	18
273:	22	17	18	28	21	22	23	28
281:	18	21	19	19	23	12	12	15
289:	19	19	20	12	11	47	66	29
297:	12	18	20	29	17	16	16	16
305:	13	19	15	13	17	13	17	31
313:	30	17	18	17	22	13	11	19
321:	19	16	13	16	14	11	21	20
329:	13	18	18	18	12	19	16	16
337:	13	56	20	16	10	17	20	22
345:	17	18	16	16	13	14	95	84
353:	27	13	20	23	18	18	17	14
361:	12	18	14	18	10	19	17	13
369:	12	13	19	19	8	14	20	21
377:	10	16	19	20	12	18	11	9
385:	12	13	10	21	10	12	20	8
393:	10	17	17	12	12	17	8	8
401:	19	6	19	17	15	9	3	14
409:	17	4	18	12	13	16	14	13
417:	10	17	11	13	15	14	10	8
425:	13	11	10	10	13	13	3	12

433:	8	16	7	16	13	16	7	8
441:	8	7	7	13	6	7	8	12
449:	10	16	10	11	14	10	6	11
457:	9	6	12	7	10	13	14	11
465:	8	9	8	9	10	8	11	9
473:	8	10	4	7	19	12	10	9
481:	6	19	15	9	10	11	15	8
489:	12	7	4	7	5	8	9	8
497:	11	9	6	11	15	6	3	12
505:	10	19	15	8	32	46	49	29
513:	13	10	9	14	11	13	8	9
521:	9	9	11	12	11	9	5	10
529:	6	9	8	7	10	10	5	7
537:	7	11	11	7	8	10	10	10
545:	11	7	6	6	9	12	7	5
553:	5	4	4	6	8	19	6	2
561:	6	9	15	8	8	11	9	10
569:	5	9	11	8	8	7	5	9
577:	11	11	7	12	6	24	60	22
585:	10	6	8	4	12	8	6	11
593:	5	7	8	8	12	9	7	15
601:	9	8	13	2	15	8	10	30
609:	83	26	12	10	4	10	5	5
617:	8	8	7	5	5	6	8	3
625:	10	6	7	5	10	7	9	7
633:	7	3	4	9	7	9	11	7
641:	5	8	6	8	8	4	7	7
649:	4	6	7	7	6	5	7	9
657:	7	7	8	3	9	10	4	4
665:	15	11	7	5	7	6	3	4
673:	11	1	3	5	4	4	6	13
681:	11	3	4	8	7	9	1	11
689:	10	1	6	7	10	11	8	6
697:	7	10	5	7	10	14	9	12
705:	6	2	10	8	14	8	5	7
713:	5	11	13	8	5	7	6	6
721:	7	10	4	5	6	9	20	5
729:	10	7	2	7	4	6	9	4
737:	5	11	6	6	6	3	9	2
745:	9	7	3	9	8	3	7	6
753:	2	7	5	7	4	5	6	5
761:	6	3	8	7	7	6	10	9
769:	8	6	4	6	4	4	12	3
777:	6	4	6	4	10	4	10	4
785:	6	8	4	3	6	5	9	6
793:	6	12	7	9	7	2	5	2
801:	4	4	7	3	7	9	3	1
809:	6	3	7	9	5	9	2	5
817:	4	5	6	4	7	5	7	8
825:	3	7	7	4	11	5	0	2
833:	4	7	7	7	5	4	6	9
841:	6	6	6	7	6	5	5	2
849:	1	7	4	4	6	3	8	9
857:	7	5	3	7	8	4	4	2
865:	11	6	3	7	5	5	3	4
873:	5	8	11	9	6	4	2	1
881:	4	8	1	2	6	9	4	5
889:	4	7	4	4	1	5	4	8
897:	5	4	7	2	3	5	8	7
905:	4	5	0	5	4	14	28	7

913:	3	2	3	4	3	5	2	8
921:	4	4	6	2	8	6	5	6
929:	3	5	4	3	3	7	3	8
937:	8	2	5	3	0	2	6	4
945:	5	2	6	5	6	4	2	3
953:	6	6	2	4	2	3	5	2
961:	3	6	8	5	12	4	6	16
969:	13	4	6	3	5	1	2	3
977:	6	8	2	6	4	5	6	1
985:	1	5	6	8	3	5	0	2
993:	1	3	5	3	7	2	2	4
1001:	7	7	2	8	3	3	5	3
1009:	6	3	7	3	4	3	3	4
1017:	2	3	3	9	8	5	2	2
1025:	1	2	4	4	3	1	5	3
1033:	4	2	2	3	4	4	4	8
1041:	7	4	4	2	4	3	2	5
1049:	3	3	10	4	3	4	2	6
1057:	3	5	2	5	2	3	4	5
1065:	1	4	1	4	9	6	1	3
1073:	4	7	4	4	2	6	4	7
1081:	3	6	3	4	5	6	2	2
1089:	1	3	6	1	3	3	10	1
1097:	3	4	4	1	4	4	3	4
1105:	3	3	4	3	1	1	2	4
1113:	6	4	1	9	3	2	5	14
1121:	8	4	5	1	6	2	4	5
1129:	1	2	4	3	8	6	0	3
1137:	4	1	2	6	1	4	7	5
1145:	3	1	3	2	2	1	7	2
1153:	3	4	4	2	4	3	4	0
1161:	4	6	2	4	3	2	2	4
1169:	4	2	7	4	4	6	2	4
1177:	3	5	2	5	6	5	6	4
1185:	1	4	3	4	2	3	5	3
1193:	4	4	6	4	3	5	4	3
1201:	6	2	3	3	4	5	2	5
1209:	5	5	3	7	7	7	6	4
1217:	3	3	3	5	6	6	5	6
1225:	5	3	3	3	0	6	3	4
1233:	1	3	5	3	5	10	6	2
1241:	2	3	4	2	5	3	7	2
1249:	1	1	1	3	3	2	2	5
1257:	5	2	3	2	5	5	5	3
1265:	3	5	4	2	3	6	1	5
1273:	3	4	5	2	7	2	1	2
1281:	1	4	3	1	2	0	2	2
1289:	2	4	7	1	2	1	2	6
1297:	3	2	2	3	3	1	1	1
1305:	2	2	2	2	4	2	5	1
1313:	6	3	2	2	4	4	3	3
1321:	4	1	3	1	2	2	2	1
1329:	2	0	4	1	3	3	1	1
1337:	2	3	1	2	7	1	0	3
1345:	0	2	2	2	2	2	4	1
1353:	3	0	1	2	1	3	1	4
1361:	2	2	3	1	5	2	1	0
1369:	1	3	2	2	2	5	1	2
1377:	2	8	2	1	1	3	2	3
1385:	3	3	2	0	1	0	1	3

1393:	2	3	2	0	5	4	0	3
1401:	3	3	0	1	1	2	2	4
1409:	2	2	1	0	2	3	1	3
1417:	2	2	2	4	1	1	3	3
1425:	5	6	3	3	3	1	1	1
1433:	0	1	2	1	1	1	0	2
1441:	1	4	0	3	0	0	1	1
1449:	2	3	3	4	1	3	3	0
1457:	0	4	19	45	65	27	3	1
1465:	0	1	2	0	1	2	2	0
1473:	1	1	1	0	2	1	2	1
1481:	4	2	0	0	1	2	1	1
1489:	2	1	3	1	3	3	2	3
1497:	1	3	0	1	0	1	1	2
1505:	1	2	4	3	6	0	1	1
1513:	3	3	2	0	4	0	1	1
1521:	1	1	1	3	1	0	1	0
1529:	2	1	2	2	3	1	0	0
1537:	1	1	0	1	2	3	1	2
1545:	4	1	0	2	1	1	1	1
1553:	1	0	1	3	2	2	2	1
1561:	1	3	0	2	3	0	0	2
1569:	0	0	1	1	0	2	0	1
1577:	1	1	3	4	1	1	4	2
1585:	1	1	1	2	4	1	5	5
1593:	1	1	2	0	1	3	1	1
1601:	1	0	1	1	2	1	5	2
1609:	3	4	0	0	0	1	1	1
1617:	1	1	4	0	0	2	1	0
1625:	1	1	1	2	0	1	4	0
1633:	0	0	0	1	0	0	1	1
1641:	1	1	0	1	0	0	2	1
1649:	4	0	0	1	0	0	0	1
1657:	0	3	2	3	1	1	0	0
1665:	1	2	2	0	1	2	0	1
1673:	1	1	0	0	0	0	1	2
1681:	3	0	1	2	2	1	2	0
1689:	1	1	0	0	2	1	0	0
1697:	1	0	0	0	0	2	1	0
1705:	1	2	1	1	0	1	1	0
1713:	0	3	0	1	0	3	1	2
1721:	1	1	0	5	1	2	1	0
1729:	0	4	1	2	0	0	2	0
1737:	0	1	0	0	0	1	1	1
1745:	0	2	1	1	0	2	2	1
1753:	1	0	0	0	0	0	1	3
1761:	2	3	2	8	2	4	4	0
1769:	1	0	1	1	3	1	0	0
1777:	2	2	0	0	3	2	1	1
1785:	1	1	0	1	2	0	1	1
1793:	2	0	1	0	0	1	0	0
1801:	1	0	1	1	0	1	0	0
1809:	0	1	2	0	0	1	2	1
1817:	0	1	1	2	0	1	0	1
1825:	1	0	2	1	2	3	0	1
1833:	1	2	0	1	1	1	2	1
1841:	1	4	1	1	2	0	0	1
1849:	1	2	1	2	0	1	0	0
1857:	0	0	1	1	1	0	1	2
1865:	1	2	3	0	1	1	4	0

1873:	1	2	1	0	1	2	1	0
1881:	2	2	0	0	3	1	0	1
1889:	3	1	1	1	0	0	2	0
1897:	0	0	2	2	1	0	0	0
1905:	0	0	2	1	0	0	1	3
1913:	1	1	0	1	2	1	3	0
1921:	0	1	2	1	2	0	2	0
1929:	0	2	0	0	2	0	0	1
1937:	0	1	1	1	0	0	0	0
1945:	0	1	0	0	0	0	0	0
1953:	1	1	0	1	1	1	0	0
1961:	0	2	2	0	1	0	0	0
1969:	0	0	1	1	0	0	3	0
1977:	1	1	1	0	1	2	1	1
1985:	3	0	0	1	1	1	1	0
1993:	0	0	1	2	1	1	2	1
2001:	2	1	0	1	1	0	0	3
2009:	1	0	2	1	2	0	1	1
2017:	0	1	0	0	0	1	1	0
2025:	0	0	1	1	0	1	2	3
2033:	0	0	0	3	1	2	1	1
2041:	0	2	0	0	1	0	1	0
2049:	1	1	1	0	3	1	0	0
2057:	0	0	2	0	0	2	0	0
2065:	0	0	0	0	0	1	0	1
2073:	1	2	1	0	1	1	1	0
2081:	0	2	0	2	0	1	1	1
2089:	0	0	2	0	0	2	1	1
2097:	2	1	1	1	1	0	2	4
2105:	0	0	1	0	0	0	4	0
2113:	1	0	1	1	2	3	1	1
2121:	0	0	0	1	0	1	0	2
2129:	1	0	0	1	0	0	1	0
2137:	2	0	0	0	1	1	1	0
2145:	1	1	2	0	0	0	0	1
2153:	1	1	0	0	1	0	1	0
2161:	1	1	0	0	0	0	0	0
2169:	1	1	0	1	1	0	0	1
2177:	0	1	0	0	0	1	0	0
2185:	0	0	1	0	0	0	2	0
2193:	2	1	0	0	0	1	0	1
2201:	0	1	1	3	4	1	1	2
2209:	1	0	1	0	0	0	0	0
2217:	2	3	2	2	0	1	0	2
2225:	0	0	0	0	0	0	1	0
2233:	0	0	0	1	0	0	0	2
2241:	0	1	0	1	0	1	1	0
2249:	0	0	3	0	0	0	1	1
2257:	2	0	3	0	2	2	1	0
2265:	1	0	1	0	1	0	0	1
2273:	0	1	2	1	0	0	0	0
2281:	1	0	0	0	2	0	0	1
2289:	1	1	1	0	0	1	0	2
2297:	1	1	1	0	2	2	1	3
2305:	1	0	0	1	0	0	0	0
2313:	0	1	1	0	0	1	0	0
2321:	0	0	3	1	0	1	1	1
2329:	2	1	0	1	2	0	2	0
2337:	1	0	1	1	0	0	0	0
2345:	1	3	1	3	4	0	0	1

2353:	1	1	1	0	0	0	1	1
2361:	1	2	1	0	1	0	2	1
2369:	2	0	1	0	1	1	1	0
2377:	1	0	0	1	0	1	1	0
2385:	0	0	0	1	1	1	1	0
2393:	1	3	1	0	0	0	0	0
2401:	0	3	2	0	0	1	0	1
2409:	0	0	0	0	0	2	2	1
2417:	1	1	0	1	1	1	1	0
2425:	0	0	0	0	1	2	1	0
2433:	0	0	1	0	0	1	2	1
2441:	1	0	0	2	1	1	1	0
2449:	0	0	0	0	0	0	2	0
2457:	0	1	3	0	0	0	1	1
2465:	0	0	0	0	0	2	0	0
2473:	0	1	0	2	0	1	1	1
2481:	1	0	0	0	0	0	0	0
2489:	0	0	0	1	2	0	0	0
2497:	1	3	0	0	0	0	1	0
2505:	1	0	0	0	0	0	1	0
2513:	2	1	1	0	0	1	1	1
2521:	0	0	1	0	1	1	1	0
2529:	1	1	0	0	0	0	0	0
2537:	0	1	0	0	1	1	1	0
2545:	1	0	2	1	0	1	1	0
2553:	0	0	3	0	0	0	0	0
2561:	0	2	0	0	0	0	0	0
2569:	0	0	1	0	0	1	0	0
2577:	2	2	0	0	0	1	0	1
2585:	1	0	0	0	0	0	0	1
2593:	0	0	0	0	0	0	1	0
2601:	0	1	0	0	0	0	0	0
2609:	0	2	0	2	2	4	12	13
2617:	0	0	0	0	1	0	0	0
2625:	1	0	0	0	1	0	0	0
2633:	0	1	1	0	0	0	0	1
2641:	1	1	0	1	0	1	0	0
2649:	0	0	1	0	0	0	0	0
2657:	1	0	0	0	0	1	0	0
2665:	0	0	2	0	1	0	1	0
2673:	0	1	2	0	0	2	0	0
2681:	0	1	0	0	0	0	0	0
2689:	2	0	0	1	2	0	0	1
2697:	0	0	0	0	0	1	0	0
2705:	1	0	0	1	0	0	0	0
2713:	0	1	0	1	3	0	0	0
2721:	0	0	0	0	0	1	0	0
2729:	2	0	2	0	0	0	0	0
2737:	0	0	0	0	0	1	0	1
2745:	1	0	0	0	1	0	0	0
2753:	0	0	0	1	0	1	1	0
2761:	0	0	2	1	0	0	0	0
2769:	0	0	2	0	0	0	0	1
2777:	1	0	1	2	2	0	0	1
2785:	0	0	0	0	1	0	0	0
2793:	0	0	1	0	0	1	0	0
2801:	0	0	0	0	1	0	0	0
2809:	1	1	1	1	2	0	0	1
2817:	2	0	0	2	0	0	0	0
2825:	1	1	0	0	0	0	1	0

2833:	0	0	0	0	1	0	1	0
2841:	0	0	0	0	0	0	0	0
2849:	0	1	0	0	0	1	0	0
2857:	0	0	1	0	0	1	0	0
2865:	1	0	0	1	0	0	0	3
2873:	0	0	0	0	0	2	1	0
2881:	0	2	2	0	1	0	0	0
2889:	0	0	0	0	1	0	0	1
2897:	0	0	0	1	0	0	0	2
2905:	0	0	0	1	0	0	1	0
2913:	1	0	0	0	0	0	1	0
2921:	0	0	0	0	0	0	1	0
2929:	0	1	0	1	0	1	1	0
2937:	0	1	1	1	0	0	1	1
2945:	0	1	1	0	0	0	1	0
2953:	1	0	0	1	0	0	0	0
2961:	1	0	0	0	0	1	0	2
2969:	1	0	0	1	0	0	0	0
2977:	1	0	1	0	0	0	0	1
2985:	0	0	0	0	0	0	0	0
2993:	1	0	0	0	0	0	2	0
3001:	0	0	1	0	1	0	2	0
3009:	0	0	0	0	0	0	0	0
3017:	0	0	0	1	0	0	1	0
3025:	1	0	0	1	0	0	1	0
3033:	0	0	0	0	0	0	0	2
3041:	0	2	0	1	1	0	1	1
3049:	0	0	0	0	0	1	0	1
3057:	1	0	0	0	0	0	1	0
3065:	2	0	0	0	1	1	0	0
3073:	0	0	0	0	1	0	0	0
3081:	0	1	1	0	0	1	0	0
3089:	1	0	0	0	0	0	1	0
3097:	0	1	0	0	0	0	1	0
3105:	0	0	0	1	0	0	0	0
3113:	0	0	0	0	0	2	0	0
3121:	0	1	0	2	0	1	0	0
3129:	0	0	0	0	0	0	0	1
3137:	1	0	0	0	1	0	0	1
3145:	0	1	0	2	1	0	0	1
3153:	0	0	0	0	1	0	0	1
3161:	0	1	1	1	0	0	1	0
3169:	1	0	0	2	0	0	0	0
3177:	0	0	0	0	0	0	0	0
3185:	0	1	0	0	0	1	0	0
3193:	0	0	0	1	0	0	0	0
3201:	1	0	2	0	0	0	0	1
3209:	0	0	0	0	0	1	0	0
3217:	1	0	0	0	1	0	0	0
3225:	0	0	0	0	0	1	1	0
3233:	0	1	1	1	1	0	0	1
3241:	0	0	0	0	0	0	0	1
3249:	0	1	0	0	0	0	1	0
3257:	1	0	0	1	0	0	0	0
3265:	1	0	0	0	0	1	0	0
3273:	0	0	1	0	1	0	0	2
3281:	0	0	0	0	1	0	0	0
3289:	0	1	0	0	0	0	0	0
3297:	0	0	0	0	0	0	0	0
3305:	0	0	0	0	0	1	0	1

3313:	0	1	0	0	0	0	0	1
3321:	0	2	0	0	0	0	0	0
3329:	1	0	0	0	0	0	0	0
3337:	0	0	0	1	0	0	0	0
3345:	0	0	1	0	1	0	0	0
3353:	1	0	0	0	1	0	0	2
3361:	0	0	0	0	0	0	0	2
3369:	0	0	0	0	0	0	0	1
3377:	0	0	0	0	0	1	1	0
3385:	0	0	0	0	0	0	0	0
3393:	0	1	0	1	0	0	0	0
3401:	1	0	0	0	0	0	1	0
3409:	0	0	1	1	0	0	0	0
3417:	0	1	1	0	0	0	0	0
3425:	0	0	0	0	0	1	0	0
3433:	0	0	1	0	0	0	1	0
3441:	0	0	0	0	0	0	0	0
3449:	0	1	1	0	0	0	0	2
3457:	2	0	0	1	0	0	0	0
3465:	0	1	0	0	0	0	0	0
3473:	0	0	0	1	0	0	0	3
3481:	0	1	0	0	0	0	0	0
3489:	0	0	0	0	0	0	0	0
3497:	0	0	1	0	1	0	2	0
3505:	2	0	2	1	1	0	0	0
3513:	0	1	0	0	0	0	0	0
3521:	0	0	0	0	0	0	2	0
3529:	1	0	0	1	0	0	0	0
3537:	0	0	0	1	0	0	1	0
3545:	0	0	0	0	0	0	0	0
3553:	0	0	1	0	0	0	0	0
3561:	0	0	0	0	0	1	0	0
3569:	0	0	1	1	0	0	0	0
3577:	0	0	0	0	0	0	0	0
3585:	1	0	1	1	0	0	0	1
3593:	0	0	0	0	0	0	1	0
3601:	1	0	0	0	0	0	0	0
3609:	0	0	0	0	0	0	0	0
3617:	0	0	1	0	0	0	0	0
3625:	0	0	0	0	0	0	0	0
3633:	0	0	0	0	0	0	1	0
3641:	0	0	0	0	1	0	0	0
3649:	0	0	0	0	0	1	0	0
3657:	0	0	0	0	1	0	0	0
3665:	1	1	0	0	0	0	0	0
3673:	0	0	0	0	0	0	0	0
3681:	0	0	0	0	0	0	0	0
3689:	0	0	1	1	0	1	0	0
3697:	1	1	1	0	0	0	1	0
3705:	0	0	0	0	1	1	0	1
3713:	0	0	0	0	0	1	0	0
3721:	0	0	0	0	0	0	0	1
3729:	0	0	1	0	0	0	0	1
3737:	1	1	0	0	0	0	0	0
3745:	0	1	0	0	0	0	0	2
3753:	1	0	0	0	0	0	0	0
3761:	0	1	0	0	0	0	0	0
3769:	0	0	0	0	0	1	0	0
3777:	0	0	0	0	0	0	0	0
3785:	0	0	0	1	0	0	0	0

3793:	0	0	0	0	0	0	0	1
3801:	0	0	0	0	0	0	0	0
3809:	2	0	0	0	0	0	0	1
3817:	2	1	0	0	0	0	0	0
3825:	0	0	0	0	0	0	0	0
3833:	0	0	0	0	0	0	1	0
3841:	1	1	0	0	0	0	0	1
3849:	0	1	0	0	0	0	0	1
3857:	0	0	1	0	0	0	0	0
3865:	0	0	2	0	0	0	0	1
3873:	0	2	0	0	0	0	0	1
3881:	0	0	1	0	0	0	0	0
3889:	0	0	0	0	0	1	0	1
3897:	2	0	0	0	0	0	1	1
3905:	0	0	0	0	0	0	0	0
3913:	0	0	0	0	0	0	0	0
3921:	0	0	0	0	0	0	0	0
3929:	0	0	0	1	0	0	0	0
3937:	0	0	0	0	0	0	0	0
3945:	1	0	0	0	1	0	0	0
3953:	0	0	0	0	1	0	0	0
3961:	0	0	0	0	0	0	0	0
3969:	0	0	0	0	0	0	2	0
3977:	1	0	0	0	0	0	0	0
3985:	0	0	0	0	0	0	0	0
3993:	0	0	1	0	0	0	0	0
4001:	0	0	0	2	0	0	0	0
4009:	0	0	0	1	0	0	1	0
4017:	0	0	0	0	0	0	0	0
4025:	0	0	0	0	0	0	0	1
4033:	0	1	1	0	0	0	0	0
4041:	1	0	0	0	0	0	0	0
4049:	0	0	0	0	0	0	1	0
4057:	0	1	0	0	0	0	0	1
4065:	0	0	0	0	0	1	0	0
4073:	0	0	0	0	0	1	0	0
4081:	0	0	0	0	1	1	0	0
4089:	1	0	0	0	0	0	0	0

Sample ID : 0611071-08

Acquisition date : 11-DEC-2006 09:39:31

VAX/VMS Peak Search Report Generated 11-DEC-2006 11:39:46.06

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107108_GE2_GAS60_105398.CN
 Analyses by : PEAK V16.9 ENBACK V1.6 PEAKEFF V2.2
 Client ID : B-3 (0-3)
 Deposition Date :
 Sample Date : 13-NOV-2006 00:00:00 Acquisition date : 11-DEC-2006 09:39:31
 Sample ID : 0611071-08 Sample Quantity : 2.54800E+01 gram
 Sample type : SLUDGE Sample Geometry : 0
 Detector name : GE2 Detector Geometry: GAS-60
 Elapsed live time: 0 02:00:00.00 Elapsed real time: 0 02:00:00.85 0.0%
 Start channel : 5 End channel : 4096
 Sensitivity : 2.40000 Gaussian : 15.00000
 Critical level : Yes

Post-NID Peak Search Report

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
0	46.91*	101	402	1.70	45.77	42	8	75.2		PB-210
0	76.11*	256	577	2.98	74.96	70	11	39.9		
0	209.96	48	166	1.99	208.80	206	7	94.3		
0	239.22	296	269	2.01	238.07	232	11	24.4		PB-212
0	257.52	87	203	8.38	256.36	251	11	67.3		
1	292.33	21	60	1.58	291.17	290	8106.3		6.64E+00	
1	295.33*	74	114	1.86	294.17	290	8	55.5		PB-214
0	352.19*	118	172	1.84	351.02	346	11	49.9		PB-214
0	387.79	38	107	3.94	386.63	384	8100.6			
0	396.71	68	99	5.42	395.55	391	9	57.8		
0	451.25	30	66	1.26	450.08	448	6	92.8		
0	511.23*	46	91	2.40	510.06	505	12108.3			
0	524.36	53	128	11.29	523.19	517	15	97.5		
0	582.95*	57	89	1.49	581.78	578	9	67.9		TL-208
0	609.64*	62	84	1.51	608.46	605	8	62.3		BI-214
1	658.18	14	32	1.91	657.00	655	11114.1		3.73E+00	
1	661.99*	33	42	2.11	660.81	655	11	85.0		CS-137
0	702.84	22	44	3.06	701.66	699	7112.6			
0	727.23*	42	48	2.74	726.05	721	11	74.6		BI-212
0	743.31	27	50	7.91	742.13	736	12110.8			
0	839.90	38	65	8.66	838.72	832	13	94.3		
5	911.28*	34	22	3.27	910.09	904	21	75.0	1.45E+00	
5	920.08	20	24	3.28	918.89	904	21111.1			
0	934.65	19	17	2.51	933.46	931	5	81.4		
0	1120.89	21	31	2.68	1119.70	1116	7	98.2		BI-214
0	1139.87	21	7	1.38	1138.68	1136	6	60.2		
0	1267.80	12	16	1.45	1266.61	1264	6119.9			
0	1460.96*	69	28	1.99	1459.76	1455	11	40.6		K-40
4	1671.83	7	5	3.38	1670.63	1668	11103.3		2.40E+00	
4	1675.96	8	6	3.07	1674.76	1668	11142.4			
0	1729.14	16	2	3.28	1727.94	1724	8	58.1		
0	1764.62*	16	5	1.76	1763.42	1758	9	78.5		BI-214
0	1888.32	6	3	2.06	1887.12	1884	6114.0			
0	1896.64	5	3	2.83	1895.44	1893	5141.4			
0	1911.93	8	4	2.10	1910.73	1906	8107.3			
0	1953.55	10	5	5.60	1952.35	1948	9	97.6		

AG
12/12/06

Sample ID : 0611071-08

Acquisition date : 11-DEC-2006 09:39:31

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
0	1983.91	7	0	3.31	1982.71	1980	6	75.6		
0	2079.24	5	2	1.89	2078.04	2074	7	118.4		
0	2360.52	9	0	1.25	2359.33	2355	8	66.7		
0	2476.66	5	1	2.57	2475.47	2473	5	111.9		
0	2484.24	4	2	2.56	2483.06	2480	6	130.1		
0	2536.59	5	0	1.70	2535.40	2532	6	89.4		
0	2614.21*	31	0	2.91	2613.02	2608	10	42.4		TL-208
0	2860.23	7	2	2.64	2859.05	2855	7	96.2		

Total number of lines in spectrum 44
 Number of unidentified lines 26
 Number of lines tentatively identified by NID 18 40.91%

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean		Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/gram	Decay Corr pCi/gram			
K-40	1.28E+09Y	1.00	1.616E+01	1.616E+01	0.667E+01	41.29	
TL-208	1.41E+10Y	1.00	2.836E+00	2.836E+00	1.048E+00	36.97	
BI-212	1.41E+10Y	1.00	5.247E+00	5.247E+00	3.946E+00	75.21	
PB-212	1.41E+10Y	1.00	4.107E+00	4.107E+00	1.184E+00	28.82	
BI-214	1602.00Y	1.00	2.050E+00	2.051E+00	0.933E+00	45.51	
PB-214	1602.00Y	1.00	2.692E+00	2.692E+00	1.051E+00	39.04	
Total Activity :			3.309E+01	3.309E+01			

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean		Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/gram	Decay Corr pCi/gram			
CS-137	30.17Y	1.00	5.238E-01	5.248E-01	4.491E-01	85.58	
Total Activity :			5.238E-01	5.248E-01			

Nuclide Type : natural

Nuclide	Hlife	Decay	Wtd Mean		Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/gram	Decay Corr pCi/gram			
PB-210	22.26Y	1.00	1.497E+01	1.500E+01	1.136E+01	75.69	
Total Activity :			1.497E+01	1.500E+01			

Grand Total Activity : 4.858E+01 4.861E+01

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
K-40	1460.81	10.67*	5.877E-01	1.616E+01	1.616E+01	41.29	OK
Final Mean for 1 Valid Peaks = 1.616E+01 +/- 6.670E+00 (41.29%)							
TL-208	583.14	30.22*	1.191E+00	2.324E+00	2.324E+00	68.64	OK
	860.37	4.48	8.755E-01	-----	Line Not Found	-----	Absent
	2614.66	35.85	3.978E-01	3.225E+00	3.225E+00	43.13	OK
Final Mean for 2 Valid Peaks = 2.836E+00 +/- 1.048E+00 (36.97%)							
BI-212	727.17	11.80*	9.991E-01	5.247E+00	5.247E+00	75.21	OK
	1620.62	2.75	5.457E-01	-----	Line Not Found	-----	Absent
Final Mean for 1 Valid Peaks = 5.247E+00 +/- 3.946E+00 (75.21%)							
PB-212	238.63	44.60*	2.379E+00	4.107E+00	4.107E+00	28.82	OK
	300.09	3.41	2.012E+00	-----	Line Not Found	-----	Absent
Final Mean for 1 Valid Peaks = 4.107E+00 +/- 1.184E+00 (28.82%)							
BI-214	609.31	46.30*	1.150E+00	1.728E+00	1.728E+00	63.13	OK
	1120.29	15.10	7.149E-01	2.876E+00	2.876E+00	98.45	OK
	1764.49	15.80	5.142E-01	2.961E+00	2.961E+00	78.73	OK
	2204.22	4.98	4.429E-01	-----	Line Not Found	-----	Absent
Final Mean for 3 Valid Peaks = 2.051E+00 +/- 9.331E-01 (45.51%)							
PB-214	295.21	19.19	2.037E+00	2.802E+00	2.802E+00	59.09	OK
	351.92	37.19*	1.780E+00	2.618E+00	2.618E+00	51.95	OK
Final Mean for 2 Valid Peaks = 2.692E+00 +/- 1.051E+00 (39.04%)							

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
CS-137	661.65	85.12*	1.077E+00	5.238E-01	5.248E-01	85.58	OK
Final Mean for 1 Valid Peaks = 5.248E-01 +/- 4.491E-01 (85.58%)							

Nuclide Type: natural

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
PB-210	46.50	4.05*	2.459E+00	1.497E+01	1.500E+01	75.69	OK
Final Mean for 1 Valid Peaks = 1.500E+01 +/- 1.136E+01 (75.69%)							

---- Identified Nuclides ----

Nuclide	Activity (pCi/gram)	Act error	MDA (pCi/gram)	MDA error	Act/MDA
K-40	1.616E+01	6.670E+00	5.805E+00	4.092E-01	2.783
CS-137	5.248E-01	4.491E-01	6.063E-01	5.802E-02	0.866
TL-208	2.836E+00	1.048E+00	1.717E+00	1.669E-01	1.652
PB-210	1.500E+01	1.136E+01	1.113E+01	8.805E-01	1.347
BI-212	5.247E+00	3.946E+00	3.964E+00	3.555E-01	1.324
PB-212	4.107E+00	1.184E+00	7.870E-01	1.191E-01	5.218
BI-214	2.051E+00	9.331E-01	1.157E+00	1.122E-01	1.772
PB-214	2.692E+00	1.051E+00	1.089E+00	1.560E-01	2.472

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
BE-7	2.008E+00		3.035E+00	5.784E+00	5.509E-01	0.347
NA-22	-1.381E-01		3.542E-01	5.263E-01	3.519E-02	-0.262
AL-26	-7.029E-02		2.557E-01	4.878E-01	3.048E-02	-0.144
CR-51	-7.734E-01		4.545E+00	8.107E+00	1.463E+00	-0.095
MN-54	1.199E-01		3.443E-01	5.800E-01	4.387E-02	0.207
CO-56	-6.832E-02		4.515E-01	6.985E-01	5.151E-02	-0.098
CO-57	7.156E-02		2.090E-01	3.526E-01	2.707E-02	0.203
CO-58	-8.447E-02		4.118E-01	7.215E-01	5.734E-02	-0.117
FE-59	1.411E-01		9.330E-01	1.694E+00	1.263E-01	0.083
CO-60	4.614E-02		3.393E-01	6.134E-01	3.987E-02	0.075
ZN-65	-2.780E-01		7.632E-01	1.146E+00	7.525E-02	-0.243
SE-75	-4.350E-02		4.276E-01	6.929E-01	1.317E-01	-0.063
RB-83	9.578E-01		8.799E-01	1.328E+00	2.155E-01	0.721
KR-85	2.158E+02		7.587E+01	1.451E+02	1.400E+01	1.487
SR-85	1.272E+00		4.473E-01	8.554E-01	8.253E-02	1.487
Y-88	-4.373E-02		2.481E-01	4.975E-01	3.077E-02	-0.088
NB-93M	0.000E+00		0.000E+00	4.211E+00	8.116E+00	0.000
NB-94	2.572E-01		3.262E-01	6.232E-01	4.344E-02	0.413
NB-95	-1.222E-01		5.150E-01	9.025E-01	7.699E-02	-0.135
NB-95M	3.240E+02		2.322E+02	3.932E+02	5.790E+01	0.824
ZR-95	2.960E-01		6.610E-01	1.246E+00	1.184E-01	0.238
RU-103	-1.422E-01		4.498E-01	7.902E-01	1.168E-01	-0.180
RU-106	-1.282E+00		2.930E+00	5.055E+00	7.107E-01	-0.254
AG-108M	6.917E-02		3.320E-01	5.506E-01	4.962E-02	0.126
CD-109	-1.334E+01		6.312E+00	9.212E+00	9.463E-01	-1.449
AG-110M	2.253E-01	+	2.580E-01	6.006E-01	5.747E-02	0.375
SN-113	6.237E-01		4.818E-01	7.521E-01	6.959E-02	0.829
TE123M	-1.264E-01		2.697E-01	4.308E-01	2.892E-02	-0.293
SB-124	2.732E-01		4.441E-01	7.577E-01	7.353E-02	0.361
I-125	1.953E+01		8.064E+00	1.465E+01	1.808E+00	1.333
SB-125	1.642E-01		8.270E-01	1.509E+00	1.421E-01	0.109
SB-126	9.591E-01		2.577E+00	4.390E+00	3.968E-01	0.218
SN-126	-1.171E+00		5.951E-01	8.846E-01	7.390E-02	-1.324
SB-127	5.842E+01		1.267E+02	2.375E+02	2.225E+01	0.246
I-129	-2.687E+00		7.336E-01	1.885E-01	3.521E-02	-14.253

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
I-131	-1.491E+00		3.196E+00	5.582E+00	7.122E-01	-0.267
BA-133	-1.212E-01		4.004E-01	6.334E-01	1.081E-01	-0.191
CS-134	-9.332E-02		3.533E-01	5.497E-01	5.343E-02	-0.170
CS-135	-3.872E-01		1.267E+00	2.246E+00	4.388E-01	-0.172
CS-136	-4.234E-01		1.582E+00	2.769E+00	1.914E-01	-0.153
CE-139	-7.371E-02		2.656E-01	4.295E-01	2.798E-02	-0.172
BA-140	3.293E+00		5.198E+00	8.797E+00	2.941E+00	0.374
LA-140	1.033E+00		1.597E+00	3.178E+00	2.102E-01	0.325
CE-141	2.521E-01		7.217E-01	1.184E+00	2.769E-01	0.213
CE-144	1.334E-01		1.774E+00	2.938E+00	2.169E-01	0.045
PM-144	5.995E-02		3.278E-01	5.398E-01	5.009E-02	0.111
PM-145	5.682E-01		1.833E+00	3.064E+00	2.008E+00	0.185
PM-146	-1.468E-01		6.711E-01	1.064E+00	1.001E-01	-0.138
ND-147	-2.286E+00		1.295E+01	2.054E+01	1.990E+00	-0.111
EU-152	1.026E+00		2.113E+00	4.095E+00	3.897E-01	0.251
GD-153	-6.766E-01		8.390E-01	1.327E+00	1.059E-01	-0.510
EU-154	-3.772E-01		9.833E-01	1.463E+00	9.783E-02	-0.258
EU-155	1.417E-01		6.656E-01	1.110E+00	9.158E-02	0.128
EU-156	-5.298E-01		1.063E+01	1.895E+01	4.279E+00	-0.028
HO-166M	4.978E-02		5.223E-01	9.076E-01	8.282E-02	0.055
IR-192	-2.274E-01		6.745E-01	1.183E+00	1.122E-01	-0.192
HG-203	-3.289E-01		4.202E-01	6.863E-01	1.468E-01	-0.479
BI-207	-1.096E-01		2.801E-01	4.863E-01	4.728E-02	-0.225
BI-210M	2.274E-02		5.091E-01	7.678E-01	1.425E-01	0.030
PB-211	4.300E+00		8.490E+00	1.443E+01	1.313E+00	0.298
RN-219	-1.781E-01		3.984E+00	6.243E+00	5.666E-01	-0.029
RA-223	-4.904E+00		5.808E+00	9.830E+00	1.714E+00	-0.499
RA-224	2.543E+01		8.075E+00	1.328E+01	2.054E+00	1.914
RA-225	-8.802E-01		4.539E+00	6.967E+00	6.878E-01	-0.126
RA-226	4.943E+00		1.163E+01	1.274E+01	2.333E+01	0.388
TH-227	4.636E+00		2.289E+00	3.896E+00	5.754E-01	1.190
AC-228	2.185E+00	+	1.646E+00	2.760E+00	1.796E-01	0.792
TH-230	2.660E+00		1.641E+00	2.905E+00	2.272E-01	0.916
PA-231	-3.769E-01		1.055E+01	1.709E+01	3.322E+00	-0.022
TH-231	0.000E+00		0.000E+00	4.072E-01	1.187E-01	0.000
PA-233	8.364E-01		1.270E+00	2.320E+00	6.463E-01	0.360
PA-234	1.260E-01		8.695E-01	1.446E+00	1.076E-01	0.087
PA-234M	-2.894E+01		3.342E+01	5.358E+01	3.522E+00	-0.540
TH-234	-6.618E-01		6.682E+00	1.149E+01	7.365E-01	-0.058
U-235	4.298E-02		1.864E+00	3.014E+00	5.070E-01	0.014
NP-237	3.415E-01		1.614E+00	2.693E+00	2.221E-01	0.127
AM-241	-2.155E+00		6.744E-01	9.353E-01	5.813E-02	-2.304

Nuclide	Half-life	Half-Life Ratio	Energy	%Abund	Activity (pCi/gram)	2-Sigma %Error	Rejected by
GA-67	3.26D	8.72	93.31*	35.70	---	Not Found	Decay, Abun.
			208.95	2.24	5.103E+03	382.77	
			300.22	16.00	---	Not Found	
			% Abundances Found =		4.15		
NB-94	20300.00Y	0.00	702.63	100.00	3.109E-01	112.95	Abun.
			871.10*	100.00	---	Not Found	
			% Abundances Found =		50.00		
AG-110M	249.85D	0.11	657.75*	93.14	2.253E-01	114.51	Abun.
			677.61	10.53	---	Not Found	
			706.67	16.46	---	Not Found	
			763.93	21.98	---	Not Found	
			884.67	71.63	---	Not Found	
			1384.27	23.94	---	Not Found	
% Abundances Found =		39.19					
CE-143	33.00H	20.69	57.36	11.80	---	Not Found	Decay, Abun.
			293.26*	42.00	5.943E+05	108.23	
			664.55	5.20	---	Not Found	
% Abundances Found =		71.19					
TH-227	3.28E+04Y	0.00	50.10	8.40	---	Not Found	Abun.
			236.00*	11.50	---	Not Found	
			256.20	6.30	8.997E+00	69.61	
% Abundances Found =		24.05					
AC-228	1.41E+10Y	0.00	338.32	11.40	---	Not Found	Abun.
			911.07*	27.70	2.185E+00	75.35	
			969.11	16.60	---	Not Found	
% Abundances Found =		49.73					

Flag: "*" = Keyline

Spectrum : DKA100: [GAMMA, SCUSR, ARCHIVE]SMP_061107108_GE2_GAS60_105398.CNF;1

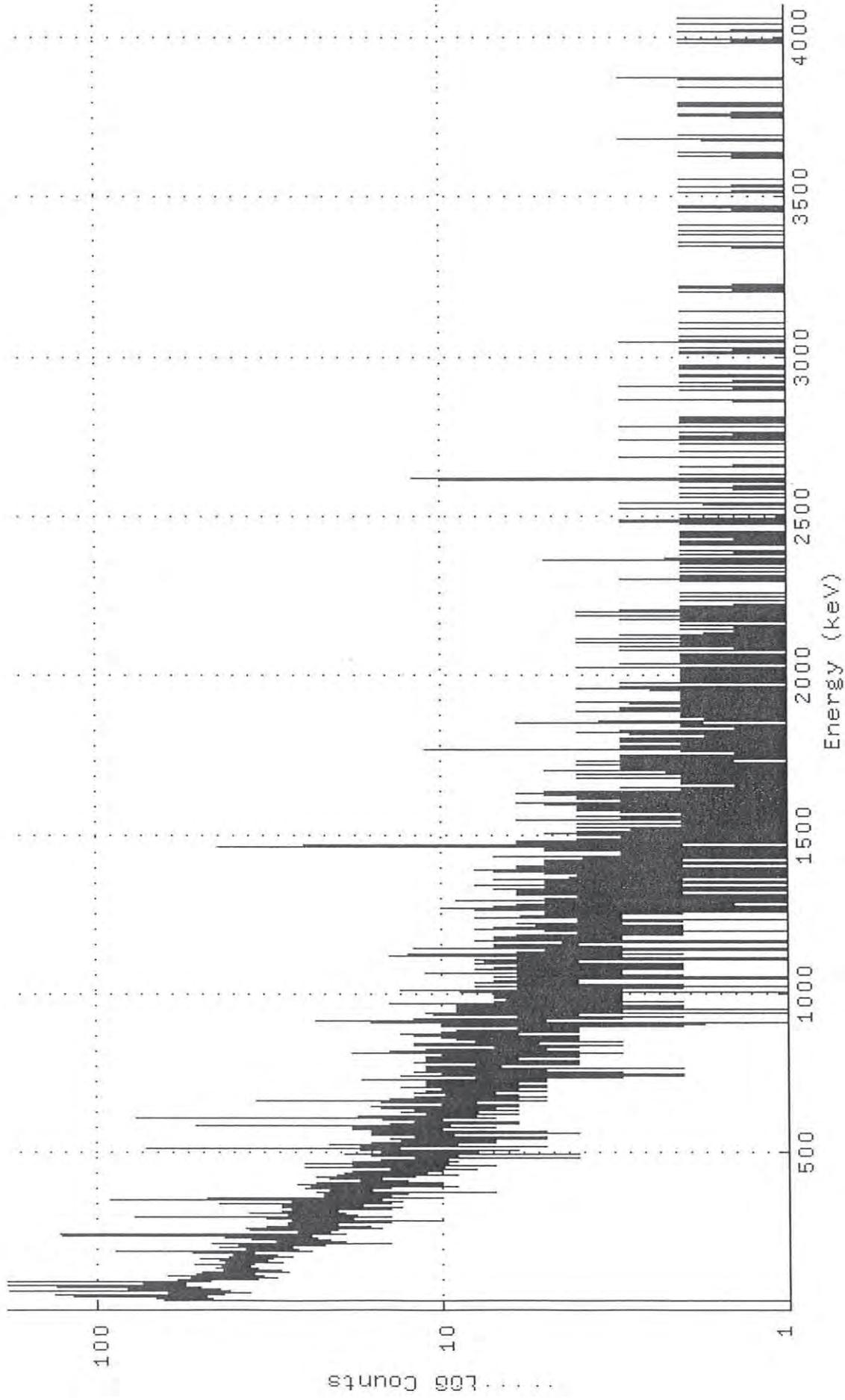
Title :

Sample Title: B-3 (0-3)

Start Time: 11-DEC-2006 09:39 Sample Time: 13-NOV-2006 00:00 Energy Offset: 1.13966E+00

Real Time : 0 02:00:00.85 Sample ID : 0611071-08 Energy Slope : 1.00007E+00

Live Time : 0 02:00:00.00 Sample Type: SLUDGE Energy Quad : -2.04685E-08



Channel

1:	0	0	0	0	0	0	0	0
9:	0	0	0	0	0	0	0	0
17:	0	0	0	0	0	0	0	0
25:	0	0	0	0	0	0	5	63
33:	42	50	67	58	63	58	49	71
41:	51	59	54	48	101	131	58	51
49:	50	43	62	53	49	42	36	62
57:	46	57	53	41	55	177	97	67
65:	66	51	54	57	44	55	52	64
73:	86	128	83	181	87	56	57	55
81:	55	60	69	71	58	73	63	47
89:	71	69	142	178	60	56	45	34
97:	44	52	53	30	49	44	36	40
105:	53	33	62	51	49	52	52	40
113:	47	49	42	35	51	31	44	49
121:	32	40	28	30	33	34	43	42
129:	43	36	45	39	43	39	34	39
137:	36	42	37	36	37	52	49	40
145:	38	35	40	34	29	38	40	29
153:	42	36	44	32	39	44	35	31
161:	34	50	37	31	36	27	28	34
169:	41	28	33	33	30	35	32	39
177:	40	40	43	38	35	38	36	78
185:	87	43	35	35	24	32	28	33
193:	36	26	36	38	44	38	38	27
201:	39	38	28	35	29	22	32	46
209:	43	14	31	26	19	28	27	30
217:	21	25	19	23	29	21	29	29
225:	30	42	28	23	29	29	29	25
233:	34	24	32	34	124	125	39	47
241:	62	19	25	26	21	25	21	22
249:	23	22	21	32	21	20	36	31
257:	37	27	21	29	15	17	32	28
265:	22	18	28	26	24	26	20	28
273:	28	27	27	17	28	18	14	26
281:	20	27	10	22	18	20	30	23
289:	23	18	32	26	30	77	34	16
297:	14	22	21	21	28	22	24	22
305:	31	19	22	21	36	22	27	29
313:	21	20	22	23	18	27	24	21
321:	14	18	29	21	13	28	25	23
329:	23	29	17	17	20	19	19	27
337:	44	24	14	27	17	26	13	24
345:	26	15	27	16	22	69	90	25
353:	13	18	23	10	14	15	22	20
361:	14	18	18	16	17	14	15	19
369:	22	7	22	15	23	20	15	19
377:	16	21	16	20	18	25	14	14
385:	20	22	24	24	18	14	9	17
393:	19	21	25	22	18	26	10	11
401:	21	10	18	23	12	13	14	13
409:	15	14	15	20	17	21	19	15
417:	18	19	23	14	17	12	14	19
425:	16	20	9	19	11	16	11	17

433:	18	19	13	13	13	15	10	18
441:	12	11	14	13	11	10	8	17
449:	15	25	13	14	12	8	12	18
457:	15	15	7	13	16	25	17	11
465:	17	14	12	10	13	18	9	10
473:	11	10	15	12	13	7	12	11
481:	4	9	10	13	12	11	10	9
489:	16	14	16	11	19	4	12	15
497:	10	13	8	10	11	13	11	6
505:	8	13	11	27	61	71	32	27
513:	17	10	14	11	5	17	14	21
521:	11	14	12	9	11	9	14	13
529:	16	7	8	10	7	13	11	13
537:	12	12	11	8	5	14	12	7
545:	5	9	12	10	7	12	13	16
553:	15	16	13	16	12	9	9	4
561:	7	8	12	5	16	7	12	12
569:	10	12	12	15	18	9	18	13
577:	7	8	8	11	27	51	18	13
585:	14	10	14	14	10	6	8	12
593:	11	8	6	10	12	11	12	10
601:	13	11	11	20	7	10	26	76
609:	38	8	9	8	9	10	14	7
617:	11	8	9	11	6	10	10	8
625:	10	9	13	11	6	9	12	7
633:	10	11	8	15	7	9	10	8
641:	16	9	6	8	11	6	10	9
649:	10	7	9	11	8	8	9	8
657:	15	5	15	32	34	10	9	9
665:	6	6	14	12	10	8	5	12
673:	7	8	9	7	7	6	6	8
681:	8	12	8	9	7	9	8	8
689:	11	5	8	11	10	6	7	10
697:	10	9	8	12	13	12	8	8
705:	5	5	11	6	7	10	6	11
713:	6	6	7	8	9	6	11	5
721:	6	6	9	9	16	17	11	5
729:	10	6	4	3	7	8	8	2
737:	7	7	13	11	8	6	3	3
745:	5	10	2	5	12	7	5	3
753:	7	7	8	5	11	6	8	7
761:	6	11	2	6	8	7	11	7
769:	10	9	9	5	7	7	5	8
777:	4	7	12	8	4	8	4	11
785:	8	6	10	4	10	9	6	10
793:	6	9	11	5	5	4	8	11
801:	7	10	8	8	10	4	6	6
809:	5	18	3	7	5	6	7	14
817:	4	6	5	6	6	5	10	11
825:	6	4	4	7	7	6	4	5
833:	3	7	11	12	10	9	10	6
841:	6	12	9	3	8	6	8	8
849:	3	9	4	5	9	7	5	4
857:	6	10	9	8	5	7	7	4
865:	6	12	10	10	6	13	7	7
873:	10	4	7	5	5	10	6	7
881:	5	4	9	9	5	5	5	4
889:	6	5	4	7	10	2	8	8
897:	5	9	5	10	4	2	3	1
905:	2	7	7	6	11	23	20	10

913:	5	7	5	5	5	6	8	12
921:	3	6	5	2	3	6	5	7
929:	7	9	4	10	10	11	1	2
937:	6	6	5	6	8	3	9	7
945:	7	6	1	4	7	9	7	7
953:	5	3	3	2	9	2	6	9
961:	6	4	4	9	7	3	8	14
969:	9	5	6	2	4	6	7	6
977:	5	6	3	3	3	7	7	3
985:	4	4	5	7	4	7	5	3
993:	4	7	3	6	7	4	5	6
1001:	1	3	2	3	6	13	7	5
1009:	5	3	8	2	4	4	5	6
1017:	4	6	8	0	4	2	2	4
1025:	4	4	6	2	5	5	4	8
1033:	5	5	4	4	7	5	6	7
1041:	4	5	3	5	6	3	1	4
1049:	4	3	6	1	7	4	6	4
1057:	5	2	3	6	4	4	11	4
1065:	3	6	4	6	3	3	5	6
1073:	7	6	2	8	5	5	7	5
1081:	3	3	2	2	6	4	2	2
1089:	4	2	2	4	5	3	8	7
1097:	5	4	6	4	6	6	6	7
1105:	8	3	1	5	3	6	4	1
1113:	4	6	6	4	3	13	14	11
1121:	5	2	6	5	10	3	6	4
1129:	5	5	4	4	4	5	0	3
1137:	5	3	12	5	0	2	5	4
1145:	3	3	3	5	7	7	6	5
1153:	4	6	6	3	3	0	4	3
1161:	4	5	1	2	8	2	3	5
1169:	3	6	3	7	5	4	5	6
1177:	3	4	7	2	3	2	6	2
1185:	4	3	2	4	2	3	3	5
1193:	4	3	3	1	4	2	4	3
1201:	2	3	8	3	2	2	4	3
1209:	7	4	5	4	4	2	4	6
1217:	3	3	5	5	5	2	4	2
1225:	3	3	3	2	2	2	4	1
1233:	4	4	3	3	8	7	7	5
1241:	5	4	4	3	5	2	5	4
1249:	3	4	4	5	4	1	2	2
1257:	2	4	8	1	3	3	3	0
1265:	10	7	2	7	2	5	7	2
1273:	2	0	2	3	4	2	6	5
1281:	5	0	4	4	4	2	3	9
1289:	4	3	1	6	1	1	4	4
1297:	3	5	0	4	2	4	1	2
1305:	1	3	6	5	2	6	3	2
1313:	3	4	6	5	6	3	5	4
1321:	1	3	1	2	7	5	2	1
1329:	4	4	5	1	4	2	2	3
1337:	8	2	3	4	1	0	5	2
1345:	1	5	1	3	2	2	5	2
1353:	3	7	3	2	6	6	3	1
1361:	1	3	1	1	3	4	1	3
1369:	4	3	4	2	0	5	2	2
1377:	7	4	5	1	5	2	3	8
1385:	6	0	3	3	3	2	3	6

1393:	0	5	4	2	2	4	2	6
1401:	1	2	2	3	5	1	3	4
1409:	5	3	0	3	3	2	3	3
1417:	2	5	3	1	1	0	2	2
1425:	2	7	2	3	0	4	2	3
1433:	2	2	3	1	3	1	2	2
1441:	3	2	4	2	5	4	1	3
1449:	2	0	2	5	3	2	2	1
1457:	4	7	31	44	14	4	2	3
1465:	3	3	6	1	1	2	2	3
1473:	3	1	3	1	2	6	1	3
1481:	3	2	2	4	1	2	1	0
1489:	3	3	1	3	4	1	3	3
1497:	1	0	2	5	1	4	3	2
1505:	0	3	1	4	2	2	1	1
1513:	1	2	3	4	1	1	1	3
1521:	1	0	2	1	1	2	1	2
1529:	4	2	1	2	1	2	2	1
1537:	2	2	0	6	0	2	4	0
1545:	3	1	2	1	2	0	1	0
1553:	4	2	0	0	2	2	2	2
1561:	0	2	2	3	3	1	2	2
1569:	3	4	2	4	0	2	0	4
1577:	1	2	3	3	1	3	1	4
1585:	0	2	3	1	2	3	1	5
1593:	2	6	2	4	1	3	2	3
1601:	1	2	1	2	2	0	1	1
1609:	1	4	1	2	4	2	3	1
1617:	2	3	1	2	5	2	1	2
1625:	6	1	4	2	3	4	0	1
1633:	5	2	0	1	1	1	2	1
1641:	1	3	2	3	0	2	0	0
1649:	0	1	1	1	1	2	0	1
1657:	2	1	2	2	1	0	1	1
1665:	2	1	1	1	1	1	4	1
1673:	0	4	1	4	1	0	1	2
1681:	2	2	0	4	0	0	0	4
1689:	1	1	0	2	1	1	5	0
1697:	2	2	2	1	2	3	0	1
1705:	1	3	3	0	1	3	3	1
1713:	4	4	0	2	2	2	1	3
1721:	1	2	0	1	2	2	2	4
1729:	3	4	0	0	0	3	1	2
1737:	1	1	2	1	3	0	3	1
1745:	1	1	1	2	0	0	1	0
1753:	0	0	2	0	2	0	2	0
1761:	2	5	11	5	3	0	0	1
1769:	0	0	3	1	2	1	3	0
1777:	1	0	1	2	1	0	0	1
1785:	2	3	1	1	2	3	3	2
1793:	2	0	2	0	3	0	0	0
1801:	0	3	1	1	1	1	1	1
1809:	2	2	1	2	1	2	4	3
1817:	1	1	2	1	3	2	2	2
1825:	1	1	1	0	1	1	0	0
1833:	2	2	1	0	0	1	1	2
1841:	1	1	2	1	3	2	2	2
1849:	3	6	2	1	1	2	3	3
1857:	1	1	1	1	1	0	2	1
1865:	1	1	0	0	0	1	1	2

1873:	0	1	2	2	0	2	0	1
1881:	4	1	1	1	1	2	2	3
1889:	0	0	1	1	0	3	1	3
1897:	0	1	1	0	2	2	1	1
1905:	0	0	1	1	1	2	4	3
1913:	0	2	0	2	0	0	2	2
1921:	1	1	2	0	0	1	2	1
1929:	2	0	0	2	2	2	0	1
1937:	1	1	2	2	2	0	0	1
1945:	1	0	0	0	2	1	2	2
1953:	3	4	1	0	2	1	0	2
1961:	3	0	0	1	0	0	0	1
1969:	1	0	1	1	0	3	2	1
1977:	1	0	0	0	1	2	2	2
1985:	0	0	0	1	1	0	2	0
1993:	0	0	1	1	2	0	1	0
2001:	0	0	0	2	2	0	1	0
2009:	2	1	1	1	0	1	0	1
2017:	1	1	4	0	0	1	2	0
2025:	0	0	0	0	0	0	0	1
2033:	1	0	0	3	0	1	1	1
2041:	2	0	0	1	2	2	0	1
2049:	1	1	2	2	1	1	0	0
2057:	0	0	0	2	0	0	1	2
2065:	0	1	0	1	0	0	0	1
2073:	1	0	1	0	3	2	1	0
2081:	0	1	1	0	1	1	3	1
2089:	1	0	1	0	0	2	2	1
2097:	1	1	0	0	4	2	1	0
2105:	2	2	1	1	0	1	1	1
2113:	2	4	1	0	2	1	2	0
2121:	1	0	0	0	0	3	0	0
2129:	1	0	1	1	1	0	0	0
2137:	0	0	2	0	0	1	1	0
2145:	1	1	0	0	1	0	2	1
2153:	2	0	0	1	1	1	1	0
2161:	0	0	0	0	0	0	0	2
2169:	0	2	0	2	3	1	0	1
2177:	0	0	1	2	0	1	0	1
2185:	1	4	1	0	1	1	1	1
2193:	2	1	1	0	0	4	1	0
2201:	1	2	3	0	1	1	2	1
2209:	1	1	0	0	1	0	0	2
2217:	0	1	0	0	1	1	1	1
2225:	0	0	0	0	0	0	2	0
2233:	0	0	0	0	1	0	1	1
2241:	1	2	2	2	1	0	1	0
2249:	1	1	0	1	1	2	0	0
2257:	0	1	1	1	0	0	0	0
2265:	1	0	1	1	0	0	0	0
2273:	0	1	1	0	0	1	0	0
2281:	0	1	0	1	1	0	1	1
2289:	1	0	2	0	0	1	1	2
2297:	1	2	2	3	1	0	1	2
2305:	0	0	0	0	0	0	2	0
2313:	0	0	0	1	0	0	1	2
2321:	0	1	1	0	0	0	1	0
2329:	1	0	0	2	0	1	1	0
2337:	0	1	0	1	1	0	0	0
2345:	2	2	1	0	0	2	1	0

2353:	2	0	0	1	0	1	1	5
2361:	1	0	0	0	2	1	1	0
2369:	1	0	0	0	1	1	2	1
2377:	1	1	1	0	0	0	1	0
2385:	2	0	1	0	1	0	0	1
2393:	1	0	0	1	0	0	0	0
2401:	0	0	1	1	2	1	1	0
2409:	0	2	2	0	2	2	1	0
2417:	2	0	1	0	1	1	1	1
2425:	0	1	2	0	0	1	0	0
2433:	2	1	0	2	0	0	0	2
2441:	0	0	0	1	2	1	0	1
2449:	1	0	0	0	0	0	1	0
2457:	0	0	0	0	0	1	1	0
2465:	0	0	0	0	1	0	1	1
2473:	0	2	1	3	0	0	0	0
2481:	0	3	1	2	0	1	0	0
2489:	0	2	1	1	1	0	0	1
2497:	0	0	1	0	1	2	0	0
2505:	0	1	0	0	0	1	1	1
2513:	1	0	1	1	1	0	0	3
2521:	1	0	1	1	0	0	0	0
2529:	0	1	0	0	0	0	3	2
2537:	0	0	0	1	0	0	0	0
2545:	0	0	0	0	0	0	1	0
2553:	1	2	2	0	1	0	0	0
2561:	0	0	0	1	0	2	1	1
2569:	0	0	0	1	0	1	0	0
2577:	0	1	0	0	0	0	2	0
2585:	0	0	0	2	0	0	0	0
2593:	0	0	0	1	0	0	1	1
2601:	0	2	1	0	0	0	0	0
2609:	1	1	3	9	11	12	1	3
2617:	0	0	1	0	1	0	0	0
2625:	0	1	2	1	0	0	0	1
2633:	0	1	1	1	1	0	1	0
2641:	0	0	0	1	0	0	0	1
2649:	0	0	0	0	2	1	1	0
2657:	1	0	0	0	1	0	1	1
2665:	0	1	0	0	1	0	1	0
2673:	0	0	0	0	0	0	1	0
2681:	1	3	1	1	0	0	0	0
2689:	0	0	0	0	1	0	0	1
2697:	0	1	2	1	1	1	0	0
2705:	1	1	0	1	0	1	0	0
2713:	1	0	0	0	0	0	1	0
2721:	0	1	2	0	0	0	0	1
2729:	0	0	1	0	1	3	0	0
2737:	0	0	1	2	0	0	0	0
2745:	2	0	0	0	0	0	0	1
2753:	0	0	0	2	0	0	0	0
2761:	0	0	1	1	0	0	1	0
2769:	0	1	0	0	0	0	0	0
2777:	0	3	0	0	0	0	0	0
2785:	0	0	0	2	0	1	0	0
2793:	0	1	2	1	1	0	2	0
2801:	0	2	0	1	1	1	2	0
2809:	1	0	0	0	0	0	0	0
2817:	0	1	0	1	0	0	0	0
2825:	0	1	0	0	0	0	0	0

2833:	0	1	1	1	0	0	0	0
2841:	1	0	0	1	0	0	0	0
2849:	0	0	1	0	0	1	0	1
2857:	1	2	2	3	0	0	1	0
2865:	0	1	0	0	0	0	0	1
2873:	0	0	0	0	1	1	0	1
2881:	0	1	1	0	0	0	0	1
2889:	0	0	0	2	0	0	0	0
2897:	1	1	1	2	0	0	1	3
2905:	0	1	0	1	0	0	0	0
2913:	0	0	0	2	2	0	1	0
2921:	0	0	1	0	0	0	1	0
2929:	0	0	0	2	0	0	0	1
2937:	0	0	1	2	1	1	0	0
2945:	1	0	0	0	1	1	0	0
2953:	0	1	0	0	2	0	0	2
2961:	0	0	0	1	0	0	0	2
2969:	0	0	0	0	0	0	0	0
2977:	0	0	1	0	0	0	0	0
2985:	0	0	0	1	0	0	0	0
2993:	1	0	0	1	1	1	1	0
3001:	0	1	2	0	0	0	0	0
3009:	2	0	0	0	0	0	0	0
3017:	0	0	1	2	0	1	1	0
3025:	0	0	1	0	0	0	0	1
3033:	1	0	0	0	1	0	2	1
3041:	1	3	1	2	0	0	1	1
3049:	1	0	0	0	0	0	0	0
3057:	0	0	2	0	0	0	0	0
3065:	0	0	0	0	0	1	0	0
3073:	0	0	1	1	1	0	0	0
3081:	0	0	2	1	0	0	0	0
3089:	0	1	1	0	1	0	0	0
3097:	1	1	1	2	1	0	0	0
3105:	1	0	0	1	1	1	0	1
3113:	1	1	0	1	0	0	0	1
3121:	0	0	1	1	0	0	0	0
3129:	1	1	0	0	0	0	0	1
3137:	0	2	0	1	0	0	0	1
3145:	1	0	1	0	0	0	1	0
3153:	0	0	0	0	0	0	0	1
3161:	0	0	0	1	1	1	0	0
3169:	1	0	0	0	0	1	0	1
3177:	1	0	0	0	1	0	0	0
3185:	1	0	0	0	0	0	1	0
3193:	0	1	0	0	1	1	2	0
3201:	0	1	0	0	0	2	1	0
3209:	0	0	0	1	1	0	2	0
3217:	2	0	0	1	0	0	1	0
3225:	0	0	0	0	0	0	0	1
3233:	0	1	0	0	1	0	0	0
3241:	0	1	0	0	0	1	1	0
3249:	0	0	1	0	0	0	1	1
3257:	0	0	0	1	1	0	0	1
3265:	1	0	0	0	0	0	0	0
3273:	0	0	0	0	1	1	0	1
3281:	1	1	0	1	0	0	0	0
3289:	0	0	0	0	0	1	0	0
3297:	1	0	0	0	0	0	0	0
3305:	0	0	0	0	1	0	0	0

3313:	0	0	0	1	1	0	0	0
3321:	1	0	0	0	0	0	0	0
3329:	0	0	0	0	0	0	1	0
3337:	1	2	0	0	2	0	0	0
3345:	1	0	0	1	1	1	2	0
3353:	0	2	0	0	0	0	0	1
3361:	0	0	0	0	0	0	0	1
3369:	0	0	1	0	1	0	2	0
3377:	0	0	0	1	0	0	0	1
3385:	0	1	0	1	1	2	0	0
3393:	0	0	0	0	0	1	0	0
3401:	0	0	1	1	1	1	0	2
3409:	1	0	0	1	0	0	1	0
3417:	0	1	1	1	0	0	0	0
3425:	0	1	0	1	0	0	0	0
3433:	0	0	0	1	0	0	0	1
3441:	0	0	0	1	1	0	1	0
3449:	2	0	2	0	0	0	0	0
3457:	1	1	0	0	2	0	0	1
3465:	0	1	2	0	0	0	0	0
3473:	0	0	1	0	0	1	0	0
3481:	0	0	0	0	0	0	0	0
3489:	0	0	0	0	0	1	1	0
3497:	1	0	0	0	0	0	0	0
3505:	1	0	0	0	0	0	2	0
3513:	0	0	0	0	0	0	0	0
3521:	0	1	0	0	1	0	0	0
3529:	2	0	0	0	0	0	0	1
3537:	1	0	0	0	1	0	0	1
3545:	0	1	1	1	0	2	0	0
3553:	0	0	0	0	0	0	0	0
3561:	0	0	0	0	1	0	0	0
3569:	0	0	1	0	0	1	0	0
3577:	1	0	0	1	1	1	0	1
3585:	0	0	1	1	0	1	0	0
3593:	0	0	0	0	0	0	0	0
3601:	0	1	0	0	0	0	0	0
3609:	0	0	1	1	0	0	0	1
3617:	1	0	0	2	0	0	1	0
3625:	2	0	1	0	0	0	0	0
3633:	0	1	1	2	0	0	0	1
3641:	0	0	0	0	0	0	0	0
3649:	0	0	0	0	0	0	0	0
3657:	1	0	1	0	0	0	0	0
3665:	0	0	0	1	0	0	1	0
3673:	0	3	0	0	2	0	0	0
3681:	1	1	0	0	1	0	0	0
3689:	0	2	0	0	0	0	0	0
3697:	1	0	1	0	0	0	0	0
3705:	0	0	0	0	0	0	0	0
3713:	0	0	0	1	1	0	1	0
3721:	0	1	0	0	0	1	0	0
3729:	0	0	1	0	0	0	0	1
3737:	0	0	0	1	0	0	0	0
3745:	1	2	0	0	0	0	0	1
3753:	0	0	0	0	2	1	0	0
3761:	0	1	0	0	0	0	1	0
3769:	0	0	0	1	0	0	1	1
3777:	1	1	2	0	0	0	1	0
3785:	0	0	2	0	0	2	0	1

3793:	1	0	1	0	0	0	1	0
3801:	0	0	0	0	0	1	0	0
3809:	0	0	0	0	0	1	0	0
3817:	0	0	0	1	0	0	1	0
3825:	0	1	0	0	1	0	0	0
3833:	1	0	0	0	2	0	1	0
3841:	1	1	0	0	0	1	0	0
3849:	0	1	0	1	0	1	0	0
3857:	0	0	0	0	0	2	1	0
3865:	2	0	3	0	0	1	0	0
3873:	0	0	0	0	0	1	1	0
3881:	0	0	0	1	0	0	1	0
3889:	1	1	0	1	0	0	1	0
3897:	0	0	0	0	1	0	1	0
3905:	0	0	0	0	0	0	0	0
3913:	1	1	1	1	1	1	1	0
3921:	0	0	0	0	0	0	0	0
3929:	1	0	0	0	0	0	0	1
3937:	0	0	1	1	1	1	0	1
3945:	0	0	0	0	0	0	0	1
3953:	0	0	0	0	0	0	0	0
3961:	0	0	0	1	0	0	0	1
3969:	0	0	1	0	1	0	0	0
3977:	0	0	2	1	0	0	0	0
3985:	0	0	0	0	0	2	1	0
3993:	0	0	0	0	0	1	0	0
4001:	0	0	0	0	0	0	0	1
4009:	0	0	0	1	1	0	2	0
4017:	0	0	0	1	1	0	0	0
4025:	1	0	0	1	0	0	0	0
4033:	0	0	0	2	0	0	1	0
4041:	1	0	0	1	0	0	0	0
4049:	0	0	0	0	2	0	1	0
4057:	0	1	1	1	1	0	0	0
4065:	1	1	0	0	1	0	1	0
4073:	0	0	0	0	0	0	0	0
4081:	0	0	0	0	0	0	0	0
4089:	0	0	0	0	0	0	1	1

VAX/VMS Peak Search Report Generated 11-DEC-2006 13:15:13.48

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107109_GE3_GAS60_105399.CN
 Analyses by : PEAK V16.9 ENBACK V1.6 PEAKEFF V2.2
 Client ID : B-3 (3-6)
 Deposition Date :
 Sample Date : 13-NOV-2006 00:00:00 Acquisition date : 11-DEC-2006 11:14:50
 Sample ID : 0611071-09 Sample Quantity : 2.74300E+01 gram
 Sample type : SLUDGE Sample Geometry : 0
 Detector name : GE3 Detector Geometry: GAS-60
 Elapsed live time: 0 02:00:00.00 Elapsed real time: 0 02:00:10.62 0.1%
 Start channel : 5 End channel : 4096
 Sensitivity : 2.40000 Gaussian : 15.00000
 Critical level : Yes

Post-NID Peak Search Report

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
0	76.48*	246	402	2.73	77.18	73	10	34.4		
10	92.46*	216	264	3.00	93.15	84	14	32.0	2.39E+01	
1	235.40	26	32	1.53	236.00	235	12	74.8	1.81E+01	NB-95M
1	239.30*	196	72	1.68	239.89	235	12	21.7		PB-212
0	254.00	28	79	2.53	254.58	252		6106.4		
0	270.16	43	91	1.45	270.73	267	7	80.8		
3	295.49*	50	63	2.11	296.05	293	12	66.1	1.04E+00	PB-214
3	299.92	32	66	2.11	300.48	293	12	92.3		PB-212
0	328.96	54	80	4.08	329.49	325	9	66.1		
4	335.22	25	35	2.07	335.75	334	10	80.7	2.07E+00	
4	338.06*	55	69	2.37	338.59	334	10	62.9		AC-228
0	352.44*	69	79	1.90	352.96	349	10	60.5		PB-214
0	409.40	47	75	6.97	409.88	405	11	77.1		
0	419.40	26	42	3.44	419.88	416	8	93.6		
0	450.29	36	32	1.25	450.75	448	7	62.3		
4	507.41	15	26	2.55	507.83	506	11101.8		3.70E+00	
5	579.93	12	14	2.52	580.30	579	12102.3		5.18E+00	
5	583.59*	41	26	2.29	583.96	579	12	57.8		TL-208
0	609.43*	66	50	1.50	609.78	605	10	52.5		BI-214
0	617.72	22	25	1.12	618.07	615	7	89.0		
0	627.10	26	24	2.86	627.45	623	8	75.6		
0	786.03	15	24	3.93	786.27	783		7114.9		
0	910.99*	39	28	2.81	911.15	906	11	63.0		AC-228
0	948.72	17	9	3.69	948.86	946	7	75.9		
0	968.59*	19	22	2.34	968.71	964		8102.6		AC-228
0	1080.67	21	17	8.06	1080.72	1076	11	88.9		
0	1149.46	15	7	3.27	1149.47	1147	7	78.0		
0	1295.29	10	8	2.02	1295.21	1289		9128.0		
0	1340.65	13	12	3.73	1340.54	1335	10117.4			
0	1378.64	10	8	1.35	1378.50	1375		8116.6		
0	1401.08	7	6	2.78	1400.93	1398		7128.2		
0	1434.56	13	0	3.32	1434.38	1431	7	55.5		
0	1461.09*	83	10	2.43	1460.90	1456	10	27.5		K-40
0	1530.47	7	4	4.56	1530.24	1526		8126.2		
0	1574.08	14	12	6.12	1573.82	1565	12110.7			
0	1582.85	6	3	2.11	1582.58	1579		6122.5		

AG
12/12/06

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
0	1587.91	9	6	1.54	1587.63	1585		7103.9		
0	1620.70	10	0	3.60	1620.40	1616	8	63.2		
0	1630.54	9	4	2.73	1630.24	1626		7100.2		
0	1702.11	9	4	1.50	1701.76	1699		7100.2		
0	1765.22*	8	4	2.82	1764.83	1760		9145.8		BI-214
0	1796.24	9	4	3.46	1795.83	1791		8101.8		
0	1891.52	5	1	1.79	1891.05	1888		5115.8		
0	2104.80	8	4	1.38	2104.19	2099		9120.1		
0	2614.99*	13	2	3.21	2614.05	2610	9	82.8		TL-208
0	3338.65	6	2	2.86	3337.24	3331		9128.5		

Sample ID : 0611071-09

Acquisition date : 11-DEC-2006 11:14:50

Total number of lines in spectrum 46
 Number of unidentified lines 28
 Number of lines tentatively identified by NID 18 39.13%

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean		Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/gram	Decay Corr pCi/gram			
K-40	1.28E+09Y	1.00	1.602E+01	1.602E+01	0.452E+01	28.22	
TL-208	1.41E+10Y	1.00	1.183E+00	1.183E+00	0.567E+00	47.93	
PB-212	1.41E+10Y	1.00	1.900E+00	1.900E+00	0.424E+00	22.32	
BI-214	1602.00Y	1.00	1.353E+00	1.353E+00	0.676E+00	49.96	
PB-214	1602.00Y	1.00	1.167E+00	1.167E+00	0.525E+00	45.03	
AC-228	1.41E+10Y	1.00	2.111E+00	2.111E+00	0.881E+00	41.73	
Total Activity :			2.374E+01	2.374E+01			

Nuclide Type : ACTIVATION

Nuclide	Hlife	Decay	Wtd Mean		Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/gram	Decay Corr pCi/gram			
NB-95M	3.61D	238.	4.449E-01	1.061E+02	0.797E+02	75.16	
Total Activity :			4.449E-01	1.061E+02			

Grand Total Activity : 2.418E+01 1.298E+02

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
K-40	1460.81	10.67*	6.628E-01	1.602E+01	1.602E+01	28.22	OK

Final Mean for 1 Valid Peaks = 1.602E+01 +/- 4.521E+00 (28.22%)

TL-208	583.14	30.22*	1.470E+00	1.273E+00	1.273E+00	58.31	OK
	860.37	4.48	1.025E+00	-----	Line Not Found	-----	Absent
	2614.66	35.85	4.784E-01	1.056E+00	1.056E+00	83.11	OK

Final Mean for 2 Valid Peaks = 1.183E+00 +/- 5.668E-01 (47.93%)

PB-212	238.63	44.60*	3.206E+00	1.874E+00	1.874E+00	22.74	OK
	300.09	3.41	2.678E+00	4.848E+00	4.848E+00	92.47	OK

Final Mean for 2 Valid Peaks = 1.900E+00 +/- 4.242E-01 (22.32%)

BI-214	609.31	46.30*	1.411E+00	1.389E+00	1.389E+00	53.06	OK
	1120.29	15.10	8.153E-01	-----	Line Not Found	-----	Absent
	1764.49	15.80	5.832E-01	1.163E+00	1.163E+00	145.98	OK
	2204.22	4.98	5.148E-01	-----	Line Not Found	-----	Absent

Final Mean for 2 Valid Peaks = 1.353E+00 +/- 6.761E-01 (49.96%)

PB-214	295.21	19.19	2.715E+00	1.303E+00	1.303E+00	66.39	OK
	351.92	37.19*	2.338E+00	1.087E+00	1.088E+00	60.82	OK

Final Mean for 2 Valid Peaks = 1.167E+00 +/- 5.255E-01 (45.03%)

AC-228	338.32	11.40	2.419E+00	2.739E+00	2.739E+00	63.22	OK
	911.07	27.70*	9.742E-01	2.002E+00	2.002E+00	63.32	OK
	969.11	16.60	9.226E-01	1.685E+00	1.685E+00	102.83	OK

Final Mean for 3 Valid Peaks = 2.111E+00 +/- 8.808E-01 (41.73%)

Nuclide Type: ACTIVATION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
NB-95M	235.69	25.00*	3.236E+00	4.449E-01	1.061E+02	75.16	OK

Final Mean for 1 Valid Peaks = 1.061E+02 +/- 7.973E+01 (75.16%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/gram)	Act error	MDA (pCi/gram)	MDA error	Act/MDA
K-40	1.602E+01	4.521E+00	3.511E+00	2.143E-01	4.563
NB-95M	1.061E+02	7.973E+01	1.731E+02	1.125E+01	0.613
TL-208	1.183E+00	5.668E-01	1.002E+00	7.027E-02	1.181
PB-212	1.900E+00	4.242E-01	4.217E-01	2.725E-02	4.506
BI-214	1.353E+00	6.761E-01	6.117E-01	4.341E-02	2.212
PB-214	1.167E+00	5.255E-01	4.855E-01	2.893E-02	2.404
AC-228	2.111E+00	8.808E-01	1.209E+00	6.758E-02	1.746

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
BE-7	5.295E-01		1.994E+00	3.773E+00	2.456E-01	0.140
NA-22	6.015E-02		2.068E-01	4.048E-01	2.558E-02	0.149
AL-26	-1.234E-01		1.691E-01	2.569E-01	1.487E-02	-0.480
CR-51	-2.311E+00		3.106E+00	4.371E+00	2.876E-01	-0.529
MN-54	-1.048E-01		2.015E-01	3.478E-01	2.143E-02	-0.301
CO-56	-7.104E-02		2.459E-01	4.375E-01	2.646E-02	-0.162
CO-57	8.769E-02		1.093E-01	1.969E-01	1.995E-02	0.445
CO-58	-1.891E-01		2.483E-01	4.146E-01	2.655E-02	-0.456
FE-59	-1.463E-01		5.644E-01	1.004E+00	7.771E-02	-0.146
CO-60	8.051E-03		2.052E-01	3.806E-01	2.809E-02	0.021
ZN-65	-3.541E-01		5.097E-01	8.393E-01	5.874E-02	-0.422
SE-75	-2.459E-01		2.575E-01	3.569E-01	2.197E-02	-0.689
RB-83	1.067E-01		4.255E-01	7.349E-01	1.079E-01	0.145
KR-85	1.401E+02		5.297E+01	1.033E+02	6.941E+00	1.356
SR-85	8.266E-01		3.125E-01	6.097E-01	4.095E-02	1.356
Y-88	8.960E-02		1.812E-01	4.265E-01	2.464E-02	0.210
NB-93M	0.000E+00		0.000E+00	4.247E-01	1.400E-01	0.000
NB-94	3.981E-02		1.775E-01	3.400E-01	1.972E-02	0.117
NB-95	3.899E-01		3.498E-01	7.088E-01	4.763E-02	0.550
ZR-95	-6.171E-02		4.466E-01	8.113E-01	6.372E-02	-0.076
RU-103	-9.061E-02		2.736E-01	4.908E-01	6.402E-02	-0.185
RU-106	1.913E+00		1.337E+00	2.683E+00	3.339E-01	0.713
AG-108M	-9.752E-02		2.337E-01	4.078E-01	2.840E-02	-0.239
CD-109	4.135E+00		3.371E+00	5.649E+00	5.142E-01	0.732
AG-110M	8.333E-02		1.785E-01	3.493E-01	2.514E-02	0.239
SN-113	9.018E-02		2.512E-01	4.377E-01	2.748E-02	0.206
TE123M	-2.441E-02		1.368E-01	2.300E-01	1.732E-02	-0.106
SB-124	3.874E-02		2.468E-01	4.199E-01	2.973E-02	0.092
I-125	0.000E+00		0.000E+00	2.467E-01	2.349E-02	0.000
SB-125	3.796E-01		4.630E-01	8.871E-01	5.682E-02	0.428
SB-126	9.839E-02		1.708E+00	3.156E+00	2.202E-01	0.031
SN-126	3.769E-01		3.227E-01	5.408E-01	3.735E-02	0.697
SB-127	-2.500E+01		8.253E+01	1.473E+02	1.050E+01	-0.170
I-129	0.000E+00		0.000E+00	2.482E-02	2.902E-03	0.000
I-131	1.737E-01		1.921E+00	3.258E+00	1.938E-01	0.053
BA-133	1.931E-01		2.204E-01	3.796E-01	4.418E-02	0.509

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
CS-134	1.341E-02		2.022E-01	3.369E-01	2.396E-02	0.040
CS-135	7.454E-01		8.194E-01	1.383E+00	8.316E-02	0.539
CS-136	-2.352E-01		1.108E+00	1.992E+00	1.367E-01	-0.118
CS-137	-1.500E-01		1.884E-01	3.173E-01	2.292E-02	-0.473
CE-139	-8.470E-02		1.423E-01	2.314E-01	1.617E-02	-0.366
BA-140	1.142E+00		2.941E+00	5.571E+00	1.823E+00	0.205
LA-140	-9.870E-01		1.303E+00	1.691E+00	9.827E-02	-0.584
CE-141	1.632E-01		3.823E-01	6.644E-01	1.587E-01	0.246
CE-144	-5.456E-01		9.516E-01	1.560E+00	1.461E-01	-0.350
PM-144	6.286E-02		1.923E-01	3.652E-01	2.592E-02	0.172
PM-145	0.000E+00		0.000E+00	5.129E-02	3.342E-02	0.000
PM-146	-1.478E-01		3.552E-01	5.662E-01	3.599E-02	-0.261
ND-147	-1.138E+00		6.407E+00	1.173E+01	7.977E-01	-0.097
EU-152	3.471E-01		1.646E+00	2.852E+00	2.507E-01	0.122
GD-153	-1.252E-01		4.034E-01	6.810E-01	5.602E-02	-0.184
EU-154	1.621E-01		5.729E-01	1.120E+00	7.081E-02	0.145
EU-155	5.325E-01		3.942E-01	6.660E-01	4.581E-02	0.800
EU-156	-5.660E+00		6.279E+00	1.003E+01	2.215E+00	-0.564
HO-166M	-1.873E-01		3.146E-01	5.421E-01	3.805E-02	-0.345
IR-192	-2.836E-01		3.721E-01	6.423E-01	4.142E-02	-0.442
HG-203	3.151E-02		2.403E-01	4.093E-01	2.522E-02	0.077
BI-207	3.532E-02		1.646E-01	3.096E-01	2.157E-02	0.114
BI-210M	-2.320E-01		2.959E-01	4.200E-01	2.571E-02	-0.552
PB-210	-4.004E+00		1.448E+00	1.637E+00	1.237E-01	-2.445
PB-211	1.717E+00		4.895E+00	8.509E+00	5.105E-01	0.202
BI-212	4.009E-01		1.837E+00	3.380E+00	2.347E-01	0.119
RN-219	5.490E-01		2.269E+00	3.620E+00	2.163E-01	0.152
RA-223	8.068E-01		3.463E+00	5.518E+00	3.276E-01	0.146
RA-224	2.194E+01		4.631E+00	9.058E+00	5.826E-01	2.423
RA-225	0.000E+00		0.000E+00	1.260E-01	1.070E-02	0.000
RA-226	9.040E-01		4.358E+00	7.087E+00	1.297E+01	0.128
TH-227	9.681E-01	+	7.276E-01	2.131E+00	1.384E-01	0.454
TH-230	3.811E-01		4.386E-01	8.317E-01	6.371E-02	0.458
PA-231	2.908E-01		5.967E+00	9.282E+00	5.466E-01	0.031
TH-231	0.000E+00		0.000E+00	1.189E-01	1.717E-02	0.000
PA-233	-8.172E-01		7.414E-01	1.078E+00	2.325E-01	-0.758
PA-234	2.127E-01		4.592E-01	8.069E-01	7.685E-02	0.264
PA-234M	-2.872E+00		2.190E+01	4.149E+01	2.575E+00	-0.069
TH-234	1.861E+00		3.119E+00	5.972E+00	3.939E-01	0.312
U-235	1.408E-01		1.003E+00	1.692E+00	2.966E-01	0.083
NP-237	1.290E+00		9.562E-01	1.615E+00	1.111E-01	0.799
AM-241	-6.342E-01		2.978E-01	4.485E-01	2.977E-02	-1.414

Nuclide	Half-life	Half-Life		Energy	%Abund	Activity 2-Sigma		Rejected by	
		Ratio				(pCi/gram)	%Error		
GA-67	3.26D	8.74		93.31*	35.70	7.221E+02	389.58	Decay	
				208.95	2.24	---	Not Found		---
				300.22	16.00	4.428E+02	399.18		
			% Abundances Found =	95.85					
SN-113	115.10D	0.25		255.12	1.93	7.810E+00	107.06	Abun.	
				391.69*	64.90	---	Not Found		---
			% Abundances Found =	2.89					
LA-140	12.79D	2.23		328.77	20.50	6.793E+00	66.38	Abun.	
				487.03	45.50	---	Not Found		---
				815.85	23.50	---	Not Found		---
				1596.49*	95.49	---	Not Found		---
% Abundances Found =	11.08								
PM-144	363.00D	0.08		476.78	42.00	---	Not Found	Abun.	
				618.01	98.60	2.280E-01	89.33		
				696.49*	99.49	---	Not Found		---
% Abundances Found =	41.07								
ND-147	10.98D	2.60		91.11	28.90	1.257E+01	32.86	Abun.	
				531.02*	13.10	---	Not Found		---
% Abundances Found =	68.81								
BI-210M	2.60E+06Y	0.00		262.00*	45.00	---	Not Found	Abun.	
				300.00	23.00	7.186E-01	92.47		
% Abundances Found =	33.82								
BI-212	1.41E+10Y	0.00		727.17*	11.80	---	Not Found	Abun.	
				1620.62	2.75	8.074E+00	63.54		
% Abundances Found =	18.90								
TH-227	3.28E+04Y	0.00		50.10	8.40	---	Not Found	Abun.	
				236.00*	11.50	9.681E-01	75.16		
				256.20	6.30	---	Not Found		---
% Abundances Found =	43.89								

Flag: "*" = Keyline

Spectrum : DKA100: [GAMMA.SCUSR.ARCHIVE]SMP_061107109_GE3_GAS60_105399.CNF;1

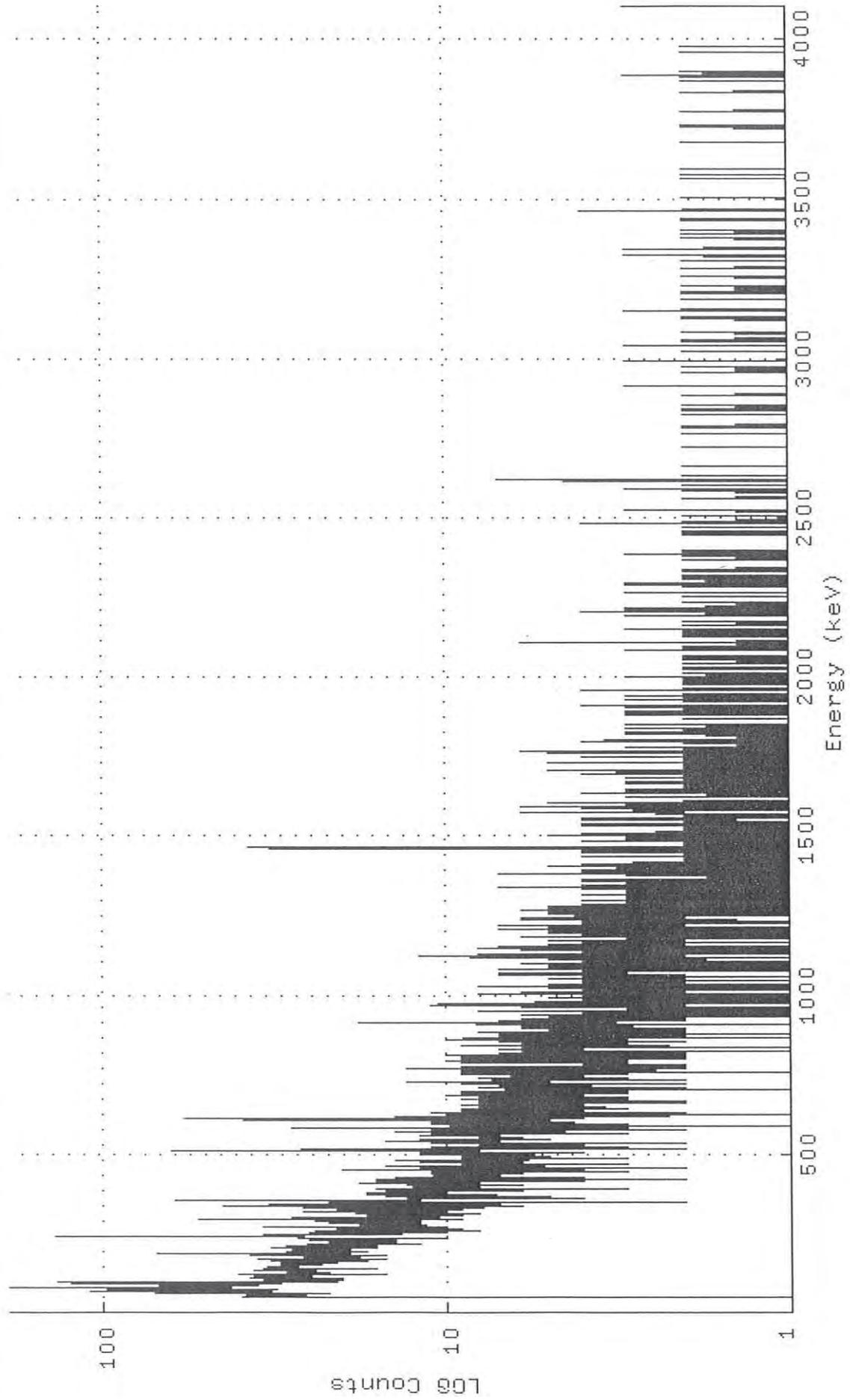
Title :

Sample Title: B-3 (3-6)

Start Time: 11-DEC-2006 11:14 Sample Time: 13-NOV-2006 00:00 Energy Offset: -7.48504E-01

Real Time : 0 02:00:10.62 Sample ID : 0611071-09 Energy Slope : 1.00064E+00

Live Time : 0 02:00:00.00 Sample Type: SLUDGE Energy Quad : 0.000000E+00



Channel

1:	0	0	0	0	0	0	0	0
9:	0	0	0	0	0	0	0	0
17:	0	0	0	0	0	0	0	0
25:	0	0	0	0	0	0	0	0
33:	0	0	0	0	0	0	0	0
41:	0	0	0	0	0	0	0	0
49:	21	39	25	26	31	38	31	26
57:	26	34	32	22	42	29	46	107
65:	78	41	32	39	39	33	54	41
73:	31	38	78	118	82	186	57	42
81:	47	46	41	35	68	38	51	88
89:	43	38	60	30	112	133	36	30
97:	21	31	37	28	34	28	20	23
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113:	32	32	36	27	26	23	25	15
121:	22	40	20	29	27	27	22	27
129:	22	33	36	26	24	26	28	26
137:	22	30	16	31	34	27	32	32
145:	33	29	31	24	23	25	24	25
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161:	17	24	27	28	32	18	20	15
169:	20	35	16	23	26	25	18	20
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185:	24	41	69	33	22	24	19	17
193:	21	29	23	22	22	25	25	28
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233:	18	10	10	27	25	29	124	135
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265:	13	21	9	19	24	18	34	20
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297:	24	18	18	23	28	15	12	9
305:	14	11	16	13	17	8	13	12
313:	14	10	13	26	16	18	10	15
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329:	26	17	9	20	10	6	20	17
337:	21	31	44	24	11	10	9	14
345:	7	17	16	2	15	11	10	49
353:	61	16	14	12	13	11	4	8
361:	12	13	11	8	15	12	11	14
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377:	17	10	13	14	14	8	12	6
385:	15	8	9	16	3	10	13	6
393:	16	10	11	8	11	10	9	11
401:	6	13	13	8	9	15	10	13
409:	9	18	8	16	10	7	7	4
417:	8	16	8	12	10	8	2	8
425:	4	5	11	14	12	10	7	8

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449:	12	10	20	4	8	7	2	12
457:	9	12	10	10	8	12	13	15
465:	9	3	9	9	9	6	5	9
473:	6	8	12	7	9	12	10	9
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497:	7	9	12	9	9	12	11	8
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513:	43	16	12	2	9	8	9	11
521:	9	3	6	7	6	5	6	8
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537:	7	8	8	15	7	10	8	12
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553:	7	8	6	9	7	8	12	11
561:	9	8	11	8	3	9	7	6
569:	7	7	7	14	5	4	11	9
577:	7	5	2	11	5	3	23	28
585:	19	5	3	9	6	1	7	11
593:	7	6	4	6	3	6	11	7
601:	8	6	8	5	6	10	11	9
609:	26	57	18	11	9	4	5	5
617:	14	5	7	6	5	1	6	4
625:	3	5	9	11	10	2	3	9
633:	3	6	8	5	6	9	4	6
641:	9	9	7	4	3	4	8	5
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657:	9	6	5	2	8	6	4	2
665:	5	5	8	6	6	3	5	7
673:	3	9	7	6	6	4	3	8
681:	4	10	5	8	4	7	6	3
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697:	6	8	9	5	1	6	6	6
705:	6	5	7	8	8	4	2	7
713:	4	4	7	4	4	9	5	2
721:	9	6	8	10	5	5	12	13
729:	9	6	5	6	2	3	7	4
737:	5	8	5	3	7	6	4	4
745:	6	5	5	7	4	4	8	3
753:	9	9	6	6	6	5	1	6
761:	3	6	4	5	9	3	9	13
769:	10	6	2	4	5	6	9	4
777:	2	4	4	3	3	2	2	6
785:	5	8	9	6	3	6	6	10
793:	3	6	8	9	7	2	2	7
801:	5	2	9	7	7	7	6	4
809:	10	2	2	3	3	2	6	5
817:	4	6	7	1	4	6	3	5
825:	6	4	5	4	5	7	4	6
833:	6	4	3	5	1	5	4	6
841:	6	9	4	6	4	6	3	3
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857:	4	4	3	4	10	8	2	4
865:	4	1	5	2	7	4	3	2
873:	5	3	1	3	7	4	1	4
881:	4	6	2	8	4	2	3	5
889:	2	3	2	4	2	4	4	6
897:	4	3	3	4	6	3	4	2
905:	1	2	4	2	6	11	14	18

913:	6	4	5	2	5	7	2	5
921:	2	6	5	2	3	5	4	5
929:	4	2	4	4	0	5	6	4
937:	1	4	4	3	4	3	2	3
945:	1	1	5	5	4	8	2	1
953:	2	2	3	2	2	1	3	2
961:	5	6	3	4	6	5	2	7
969:	11	10	1	3	4	2	6	5
977:	1	3	5	3	3	4	4	1
985:	4	2	4	0	2	5	2	3
993:	4	1	4	4	2	1	2	2
1001:	8	6	4	1	3	2	3	3
1009:	3	6	4	4	3	3	1	4
1017:	3	5	0	2	2	5	3	0
1025:	3	3	4	8	5	2	5	5
1033:	0	1	3	2	2	4	2	3
1041:	2	3	3	3	4	0	3	5
1049:	2	4	3	4	5	2	2	2
1057:	1	4	3	2	3	5	2	7
1065:	3	7	4	6	3	4	3	4
1073:	4	4	1	1	4	4	6	7
1081:	3	5	1	1	5	1	3	2
1089:	0	1	3	4	3	4	5	2
1097:	3	6	2	1	3	2	3	4
1105:	1	3	1	5	2	3	2	3
1113:	3	0	3	4	5	4	6	12
1121:	7	3	2	4	3	7	2	6
1129:	4	1	8	1	1	4	2	1
1137:	3	3	5	1	6	2	2	1
1145:	5	2	0	8	1	7	4	1
1153:	1	1	5	2	4	2	2	2
1161:	5	3	1	1	2	4	2	4
1169:	3	2	3	2	5	1	3	2
1177:	2	0	2	1	3	6	0	2
1185:	2	4	2	3	1	4	1	3
1193:	4	4	0	0	5	3	4	1
1201:	4	4	5	4	3	1	1	6
1209:	7	1	2	2	2	4	5	2
1217:	2	5	7	2	3	3	2	1
1225:	4	2	2	1	3	4	4	0
1233:	1	2	2	5	3	4	6	5
1241:	2	4	3	2	6	3	1	2
1249:	2	3	1	2	5	1	2	2
1257:	2	5	2	2	0	0	3	6
1265:	0	3	1	4	0	0	2	4
1273:	1	5	0	5	0	3	4	2
1281:	2	1	0	4	3	3	2	2
1289:	2	3	1	0	2	2	4	4
1297:	0	0	2	2	2	3	2	1
1305:	3	3	3	1	3	3	1	3
1313:	3	4	1	3	2	2	2	3
1321:	0	0	3	2	2	3	1	1
1329:	0	4	2	2	3	1	2	1
1337:	3	2	3	7	2	1	4	0
1345:	2	2	1	1	3	0	3	2
1353:	2	4	3	1	1	2	2	0
1361:	1	2	1	4	3	1	1	1
1369:	1	0	3	1	3	1	1	2
1377:	2	7	3	1	2	0	2	1
1385:	3	4	1	2	1	3	4	2

1393:	1	3	1	2	1	0	3	2
1401:	5	2	1	0	2	3	4	2
1409:	2	1	3	4	2	2	0	0
1417:	0	1	1	2	1	2	1	2
1425:	2	2	1	0	0	0	0	1
1433:	2	4	3	3	0	0	1	1
1441:	2	2	2	2	0	2	4	2
1449:	1	3	2	4	1	3	2	0
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1465:	0	2	1	1	2	0	1	1
1473:	2	1	2	2	1	1	1	1
1481:	1	4	2	0	3	1	2	2
1489:	3	1	3	2	0	1	1	1
1497:	5	1	1	2	4	1	1	1
1505:	1	4	1	3	2	1	0	1
1513:	2	1	2	0	2	2	1	1
1521:	2	1	1	0	0	0	2	0
1529:	1	3	4	1	0	2	2	1
1537:	3	4	1	0	1	1	2	1
1545:	3	2	2	2	4	2	1	4
1553:	0	2	2	1	2	0	1	0
1561:	1	0	1	2	2	0	1	0
1569:	6	3	2	4	2	4	2	0
1577:	0	1	0	0	3	4	2	0
1585:	1	1	3	6	2	1	1	1
1593:	1	0	2	1	1	3	0	1
1601:	3	1	5	1	0	2	2	0
1609:	1	0	1	0	1	1	0	0
1617:	1	0	2	1	3	3	0	0
1625:	0	1	0	1	3	3	4	0
1633:	1	0	3	1	1	1	1	0
1641:	2	3	1	2	0	0	2	1
1649:	0	1	1	0	2	0	0	0
1657:	1	0	3	2	1	2	3	0
1665:	1	1	2	0	0	3	0	2
1673:	1	2	1	1	1	3	2	1
1681:	0	0	1	2	1	1	2	1
1689:	1	0	0	0	1	4	0	3
1697:	1	1	0	2	5	2	2	1
1705:	0	1	2	1	2	1	2	2
1713:	1	2	2	2	1	2	1	1
1721:	0	2	2	1	0	1	1	2
1729:	5	0	0	1	1	2	0	0
1737:	1	1	1	2	1	0	4	0
1745:	1	1	0	0	2	1	2	2
1753:	1	2	0	5	0	1	2	0
1761:	1	1	4	5	6	2	1	0
1769:	0	0	0	2	1	0	3	0
1777:	2	1	0	1	0	0	1	0
1785:	2	1	1	0	0	1	0	2
1793:	0	3	1	4	3	0	1	0
1801:	3	2	0	1	1	0	1	0
1809:	1	0	0	1	0	1	3	2
1817:	0	1	1	0	0	0	3	0
1825:	1	0	2	2	0	0	0	0
1833:	1	0	1	0	3	1	1	0
1841:	1	0	1	0	3	0	1	1
1849:	1	1	1	0	1	1	0	0
1857:	1	0	1	1	0	0	1	0
1865:	2	0	1	0	0	1	1	0

1873:	0	1	0	3	0	2	2	0
1881:	1	0	3	1	0	1	1	0
1889:	0	3	3	0	0	0	0	2
1897:	1	0	2	1	1	3	1	0
1905:	2	1	2	0	4	0	0	1
1913:	1	0	1	0	0	1	2	1
1921:	0	0	1	3	0	1	2	1
1929:	1	0	2	1	0	1	2	0
1937:	2	3	2	1	2	0	1	0
1945:	1	0	1	1	0	0	1	0
1953:	0	4	0	1	1	2	0	0
1961:	1	1	2	0	1	0	1	0
1969:	1	0	1	0	0	2	0	1
1977:	2	0	1	0	0	0	1	0
1985:	0	0	1	2	0	0	2	0
1993:	1	1	1	0	2	0	0	3
2001:	0	0	1	1	1	1	0	0
2009:	2	1	1	0	0	0	1	0
2017:	0	0	1	1	2	1	1	0
2025:	2	1	1	0	0	0	1	0
2033:	0	0	0	1	1	0	0	0
2041:	0	2	1	1	1	1	0	0
2049:	1	2	2	0	0	1	0	1
2057:	0	2	0	2	0	1	1	2
2065:	1	0	0	1	1	1	1	0
2073:	0	1	0	0	0	1	1	0
2081:	3	0	1	1	0	0	0	2
2089:	0	0	0	2	0	1	1	1
2097:	0	0	0	1	0	0	2	6
2105:	2	1	0	2	0	1	0	0
2113:	1	1	0	0	1	1	0	1
2121:	0	1	0	1	1	2	2	1
2129:	0	2	1	1	0	1	0	2
2137:	1	0	1	2	0	0	2	1
2145:	0	2	2	0	3	1	0	0
2153:	0	1	1	1	1	2	1	1
2161:	0	2	0	1	0	0	0	0
2169:	0	2	1	0	1	0	0	0
2177:	1	0	0	1	1	0	0	1
2185:	0	1	0	1	1	1	0	3
2193:	0	0	0	0	1	0	1	1
2201:	0	1	4	1	3	0	1	0
2209:	1	0	1	0	0	3	0	3
2217:	1	0	1	0	1	0	1	1
2225:	1	1	0	1	2	0	1	0
2233:	1	0	0	0	1	0	0	0
2241:	1	0	0	0	0	0	1	1
2249:	1	2	0	0	0	1	0	1
2257:	1	1	0	1	0	0	3	1
2265:	0	0	1	0	1	1	0	0
2273:	0	0	0	1	1	0	0	0
2281:	2	1	0	2	0	1	3	2
2289:	2	1	1	0	1	3	1	0
2297:	1	1	0	1	0	2	0	0
2305:	0	0	0	0	0	2	0	0
2313:	2	1	0	0	1	0	1	0
2321:	0	1	1	1	1	0	1	2
2329:	0	2	0	2	1	0	0	2
2337:	1	0	1	1	0	1	0	1
2345:	0	0	1	0	0	1	1	0

2353:	0	0	1	1	0	0	1	0
2361:	1	1	0	0	0	2	0	1
2369:	0	0	1	0	1	1	2	0
2377:	0	0	2	1	0	3	1	1
2385:	0	0	1	0	2	0	1	2
2393:	0	0	0	0	0	1	1	0
2401:	0	0	1	0	0	1	0	0
2409:	0	0	1	1	0	1	0	0
2417:	0	0	0	0	1	0	1	1
2425:	0	0	1	0	0	0	0	0
2433:	0	0	0	0	1	1	0	2
2441:	0	1	1	1	1	0	2	0
2449:	0	0	0	0	0	2	0	0
2457:	1	0	1	0	0	1	0	0
2465:	0	1	2	0	0	0	0	1
2473:	0	0	1	0	4	0	0	1
2481:	0	0	2	0	0	2	1	0
2489:	1	0	0	0	1	0	0	0
2497:	0	1	0	0	0	0	2	0
2505:	0	0	0	0	0	0	1	0
2513:	0	0	0	0	2	2	0	3
2521:	0	0	1	0	0	0	0	1
2529:	0	0	0	0	1	0	1	0
2537:	1	0	1	0	0	0	0	0
2545:	0	1	0	1	1	1	1	0
2553:	0	2	0	2	0	2	0	1
2561:	0	1	0	0	0	0	0	0
2569:	0	0	0	0	0	1	1	1
2577:	2	2	2	1	0	2	0	0
2585:	0	0	3	1	0	0	1	1
2593:	0	1	1	0	1	0	2	0
2601:	1	0	1	0	0	0	0	1
2609:	1	0	0	4	5	7	4	1
2617:	1	0	0	0	1	0	0	0
2625:	0	1	0	1	2	1	0	0
2633:	0	0	0	0	0	1	0	0
2641:	1	0	1	1	0	0	0	1
2649:	0	0	0	0	0	1	0	0
2657:	0	2	0	0	0	0	0	0
2665:	0	0	1	0	0	0	0	0
2673:	0	0	0	0	0	1	0	0
2681:	0	0	0	0	0	1	0	0
2689:	0	1	0	0	0	1	0	0
2697:	0	0	0	0	1	0	0	0
2705:	0	0	1	1	0	1	0	0
2713:	1	1	0	2	0	0	1	0
2721:	0	0	0	0	0	0	0	0
2729:	0	0	0	0	1	0	0	0
2737:	0	1	0	0	0	0	0	0
2745:	0	0	1	0	0	0	0	1
2753:	0	0	0	0	1	1	1	2
2761:	0	1	0	0	0	0	0	0
2769:	0	0	0	0	0	0	2	0
2777:	0	0	0	1	0	0	1	0
2785:	2	0	0	0	1	1	1	0
2793:	0	0	1	0	0	1	1	0
2801:	0	1	1	0	1	0	1	1
2809:	1	0	1	1	0	1	1	0
2817:	2	0	0	1	0	0	0	0
2825:	1	0	0	0	0	0	2	1

2833:	0	0	0	0	0	0	2	1
2841:	0	0	0	1	1	1	1	0
2849:	0	2	1	0	0	1	0	0
2857:	1	1	0	1	1	0	0	0
2865:	0	0	0	0	0	0	1	0
2873:	0	0	0	0	0	0	0	0
2881:	2	1	1	0	0	0	0	0
2889:	1	0	0	0	1	0	0	0
2897:	0	1	0	0	0	0	0	0
2905:	0	1	1	0	3	0	1	0
2913:	0	0	0	0	0	1	0	0
2921:	0	0	0	0	1	0	0	0
2929:	0	0	0	0	0	1	0	0
2937:	1	1	1	0	0	0	0	0
2945:	0	1	0	0	0	0	0	0
2953:	2	1	1	0	0	0	0	1
2961:	1	1	0	1	0	2	0	0
2969:	1	0	0	0	0	0	0	1
2977:	0	1	0	0	0	1	0	0
2985:	1	0	0	3	0	0	0	1
2993:	0	0	0	1	0	0	1	0
3001:	1	0	0	0	0	0	0	0
3009:	0	0	0	0	1	0	2	0
3017:	0	1	0	0	0	0	0	0
3025:	0	0	0	0	1	0	0	0
3033:	0	0	3	0	1	0	0	0
3041:	0	1	0	0	0	2	0	1
3049:	0	0	0	1	1	0	2	1
3057:	0	0	0	1	1	0	0	1
3065:	1	1	0	1	1	0	0	0
3073:	0	2	0	0	0	0	1	0
3081:	0	1	0	1	0	0	0	0
3089:	1	1	1	0	0	0	1	0
3097:	1	0	0	0	1	0	0	0
3105:	0	0	1	0	0	0	0	1
3113:	0	1	0	2	0	1	0	0
3121:	2	1	0	1	2	0	0	0
3129:	0	1	0	0	0	0	0	1
3137:	0	1	0	1	0	3	0	0
3145:	0	0	0	1	2	1	1	0
3153:	0	0	0	0	1	0	1	0
3161:	0	0	1	1	1	0	0	0
3169:	1	0	0	1	0	0	0	0
3177:	1	0	0	2	1	0	0	0
3185:	0	1	0	0	0	0	0	1
3193:	0	0	0	0	1	2	1	0
3201:	0	1	0	0	2	0	0	1
3209:	0	0	0	1	0	0	0	0
3217:	1	2	0	0	0	2	0	0
3225:	0	0	0	1	0	0	1	1
3233:	0	0	1	0	0	0	0	0
3241:	0	0	0	0	0	0	0	2
3249:	0	0	0	2	0	1	1	0
3257:	0	0	0	0	0	0	0	0
3265:	0	0	1	0	0	0	0	0
3273:	0	1	0	0	2	1	0	0
3281:	0	0	0	0	1	0	0	0
3289:	0	0	0	0	0	1	1	1
3297:	1	2	0	1	0	0	0	0
3305:	0	0	0	0	0	0	0	0

3313:	0	3	0	0	1	0	1	1
3321:	0	0	0	0	0	0	0	0
3329:	1	0	1	0	0	0	2	1
3337:	3	1	0	0	0	0	0	1
3345:	0	0	1	1	0	0	0	0
3353:	0	1	0	0	1	0	0	0
3361:	0	0	0	0	0	1	0	2
3369:	0	0	0	1	0	0	0	0
3377:	0	0	0	0	0	1	0	0
3385:	2	0	0	0	0	0	0	0
3393:	2	0	1	0	0	1	0	1
3401:	1	0	0	0	0	1	0	0
3409:	0	0	0	1	0	0	0	1
3417:	1	0	1	1	0	0	2	0
3425:	0	0	0	0	0	0	0	2
3433:	0	0	1	0	0	0	0	1
3441:	0	0	0	0	0	0	0	0
3449:	0	0	0	0	1	0	0	0
3457:	4	0	0	0	1	0	1	0
3465:	0	0	0	1	0	0	0	0
3473:	1	0	0	1	0	0	0	1
3481:	0	0	0	0	0	0	0	0
3489:	0	0	0	1	1	0	0	2
3497:	0	2	0	0	0	0	0	0
3505:	0	0	0	0	1	0	0	0
3513:	1	0	0	1	0	0	0	0
3521:	1	0	0	0	0	1	1	0
3529:	0	0	0	0	1	0	0	0
3537:	0	1	0	0	0	1	0	0
3545:	0	1	0	0	0	1	0	0
3553:	0	1	0	1	2	0	1	0
3561:	0	0	0	0	0	0	0	2
3569:	0	0	0	0	0	0	0	1
3577:	0	0	1	0	0	0	0	0
3585:	0	2	0	0	0	0	0	0
3593:	0	0	1	0	0	0	0	0
3601:	0	0	0	0	1	0	0	0
3609:	0	0	1	0	0	0	0	0
3617:	0	1	0	0	1	0	0	0
3625:	0	0	0	1	0	0	0	0
3633:	0	0	1	1	1	0	0	0
3641:	0	0	1	0	1	0	0	0
3649:	0	0	0	0	0	0	0	0
3657:	0	0	0	0	0	0	0	0
3665:	0	1	1	0	1	0	2	0
3673:	0	0	0	0	0	0	0	0
3681:	0	0	0	0	1	0	0	1
3689:	1	1	1	0	0	0	0	1
3697:	0	0	0	0	0	0	0	0
3705:	0	0	0	0	1	1	0	1
3713:	0	1	1	2	0	0	0	1
3721:	0	1	0	0	0	2	0	0
3729:	0	1	0	0	0	0	0	1
3737:	1	0	0	0	0	0	0	0
3745:	0	0	0	0	1	0	0	0
3753:	0	0	1	1	0	1	1	0
3761:	0	1	1	0	0	1	0	0
3769:	2	0	0	0	0	0	0	0
3777:	1	0	0	1	0	0	0	0
3785:	0	0	0	0	0	0	1	0

3793:	0	0	0	1	1	0	0	0
3801:	0	0	1	1	1	0	0	1
3809:	0	0	1	0	0	0	1	0
3817:	1	1	0	0	1	0	0	0
3825:	0	0	0	0	2	0	0	0
3833:	0	0	1	0	0	1	1	0
3841:	0	0	0	0	0	0	1	0
3849:	0	0	0	0	0	0	0	0
3857:	0	1	1	0	0	0	2	0
3865:	0	0	0	1	0	0	0	1
3873:	1	0	2	0	1	0	0	0
3881:	0	1	3	0	0	0	0	0
3889:	1	0	2	0	0	0	0	1
3897:	0	1	0	0	0	0	0	1
3905:	0	0	0	0	0	1	0	0
3913:	0	0	0	0	0	0	0	0
3921:	1	0	0	0	0	0	1	0
3929:	0	0	0	0	1	0	0	0
3937:	0	0	0	0	1	0	0	0
3945:	0	0	0	0	0	0	1	2
3953:	0	0	0	0	0	1	0	0
3961:	0	1	0	0	0	0	0	0
3969:	0	2	0	1	0	0	0	1
3977:	0	0	0	1	0	1	1	1
3985:	0	0	0	0	0	1	0	0
3993:	0	0	0	0	0	0	0	0
4001:	0	0	0	0	1	1	0	1
4009:	0	0	0	0	0	0	0	0
4017:	1	0	0	0	1	1	1	0
4025:	0	0	0	0	1	0	0	0
4033:	0	0	0	0	1	0	0	0
4041:	0	0	0	1	1	1	0	0
4049:	0	0	0	0	0	1	0	0
4057:	1	0	0	1	0	0	0	1
4065:	1	0	0	0	0	1	0	1
4073:	1	1	0	0	0	1	0	0
4081:	0	0	0	1	0	0	0	0
4089:	0	0	0	0	0	0	3	0

VAX/VMS Peak Search Report Generated 11-DEC-2006 13:15:58.55

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107110_GE4_GAS60_105400.CN
 Analyses by : PEAK V16.9 ENBACK V1.6 PEAKEFF V2.2
 Client ID : B-4 (0-3)
 Deposition Date :
 Sample Date : 13-NOV-2006 00:00:00 Acquisition date : 11-DEC-2006 11:15:42
 Sample ID : 0611071-10 Sample Quantity : 1.41900E+01 gram
 Sample type : SLUDGE Sample Geometry : 0
 Detector name : GE4 Detector Geometry: GAS-60
 Elapsed live time: 0 02:00:00.00 Elapsed real time: 0 02:00:02.04 0.0%
 Start channel : 5 End channel : 4096
 Sensitivity : 2.40000 Gaussian : 15.00000
 Critical level : Yes

Post-NID Peak Search Report

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
0	162.94	38	102	3.46	162.27	159	7	94.9		
0	235.66	103	239	11.96	235.02	224	20	76.4		NB-95M
1	347.77	15	32	1.97	347.17	345	14	115.1	1.18E+00	
0	367.03	30	55	3.12	366.44	363	8	92.0		
0	386.78	18	44	3.53	386.20	383	7	129.8		
0	408.93	24	45	5.21	408.35	404	8	106.2		
4	605.39	16	12	2.60	604.89	603	11	78.4	3.03E+00	
0	622.97	29	48	12.49	622.48	614	16	113.1		RU-106
0	644.00	18	22	1.90	643.52	640	7	104.8		
2	769.09	14	6	2.64	768.66	766	12	87.6	1.30E+00	
2	772.69	10	11	2.65	772.26	766	12	150.5		
0	801.75	15	20	3.65	801.33	797	8	116.8		
0	827.62	11	13	1.81	827.21	825	7	124.7		
0	846.97	10	14	1.58	846.57	844	5	135.9		
0	923.46	19	18	4.58	923.09	918	13	105.8		
0	969.42	10	9	2.48	969.07	967	5	119.1		
0	990.79	18	7	3.56	990.44	986	9	69.7		
0	1109.78	13	5	3.04	1109.48	1105	9	79.2		
0	1121.78*	22	2	4.70	1121.48	1117	10	55.1		
0	1169.28	13	3	1.88	1169.00	1166	7	70.7		
0	1177.33	10	6	3.11	1177.06	1173	10	103.5		
0	1185.59	11	4	3.87	1185.32	1182	8	87.2		
0	1238.39	13	3	2.83	1238.14	1235	8	74.3		
0	1299.57	12	6	3.56	1299.35	1294	9	97.4		
0	1333.09	7	4	1.23	1332.87	1331	6	118.1		
0	1366.80	7	4	1.63	1366.61	1364	6	122.0		
0	1376.84	8	2	1.88	1376.65	1373	7	86.1		
0	1384.19	9	0	1.96	1384.00	1381	6	66.7		
0	1514.09	7	1	2.91	1513.94	1511	6	95.7		
0	1621.60	8	4	1.24	1621.50	1617	8	109.5		
0	1651.29	10	0	1.66	1651.20	1647	8	63.2		
0	1937.98	5	0	2.98	1938.00	1935	6	89.4		
0	2169.28	5	1	0.96	2169.40	2167	5	110.0		
0	2764.05	5	0	1.24	2764.40	2760	7	89.4		

AG
12/12/06

Total number of lines in spectrum 34
 Number of unidentified lines 22
 Number of lines tentatively identified by NID 12 35.29%

Nuclide Type : ACTIVATION

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/gram	Decay Corr pCi/gram			
NB-95M	3.61D	238.	6.070E+00	1.447E+03	1.111E+03	76.74	
Total Activity :			6.070E+00	1.447E+03			

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/gram	Decay Corr pCi/gram			
RU-106	368.20D	1.06	1.141E+01	1.204E+01	1.371E+01	113.84	
Total Activity :			1.141E+01	1.204E+01			

Grand Total Activity : 1.748E+01 1.460E+03

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: ACTIVATION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
NB-95M	235.69	25.00*	1.792E+00	6.070E+00	1.447E+03	76.74	OK

Final Mean for 1 Valid Peaks = 1.447E+03 +/- 1.111E+03 (76.74%)

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
RU-106	621.84	9.80*	6.859E-01	1.141E+01	1.204E+01	113.84	OK

Final Mean for 1 Valid Peaks = 1.204E+01 +/- 1.371E+01 (113.84%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/gram)	Act error	MDA (pCi/gram)	MDA error	Act/MDA
NB-95M	1.447E+03	1.111E+03	6.306E+02	4.248E+01	2.296
RU-106	1.204E+01	1.371E+01	1.097E+01	1.392E+00	1.097

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
BE-7	-2.821E+00		7.061E+00	1.240E+01	9.614E-01	-0.228
NA-22	-1.726E-01		8.652E-01	1.549E+00	1.133E-01	-0.111
AL-26	9.772E-01		7.740E-01	1.897E+00	1.096E-01	0.515
K-40	1.337E+01		1.048E+01	2.275E+01	1.478E+00	0.588
CR-51	-4.007E+00		8.890E+00	1.558E+01	1.191E+00	-0.257
MN-54	3.053E-01		7.229E-01	1.307E+00	8.330E-02	0.234
CO-56	6.454E-01	+	8.778E-01	1.843E+00	1.155E-01	0.350
CO-57	-2.914E-01		3.688E-01	5.694E-01	4.109E-02	-0.512
CO-58	-9.613E-01		9.835E-01	1.437E+00	9.475E-02	-0.669
FE-59	2.098E+00		1.965E+00	4.207E+00	3.732E-01	0.499
CO-60	5.597E-01		4.022E-01	1.120E+00	1.017E-01	0.500
ZN-65	-2.001E-01		1.774E+00	2.290E+00	1.911E-01	-0.087
SE-75	2.127E-01		7.491E-01	1.388E+00	9.535E-02	0.153
RB-83	-1.030E+00		1.544E+00	2.610E+00	3.968E-01	-0.395
KR-85	1.522E+02		1.820E+02	3.420E+02	2.673E+01	0.445
SR-85	8.979E-01		1.074E+00	2.018E+00	1.577E-01	0.445
Y-88	6.231E-02		6.960E-01	1.476E+00	8.449E-02	0.042
NB-93M	2.441E+02		2.360E+02	1.208E+02	1.126E+02	2.021
NB-94	-3.008E-01		6.537E-01	1.131E+00	6.831E-02	-0.266
NB-95	9.616E-01		1.023E+00	2.043E+00	1.403E-01	0.471
ZR-95	5.914E-01		1.574E+00	3.042E+00	2.427E-01	0.194
RU-103	-1.930E-01		1.044E+00	1.866E+00	2.552E-01	-0.103
AG-108M	-7.818E-01		7.463E-01	1.180E+00	8.344E-02	-0.663
CD-109	-2.049E+01		1.028E+01	1.443E+01	1.596E+00	-1.420
AG-110M	-3.724E-01		6.551E-01	1.122E+00	8.168E-02	-0.332
SN-113	-2.837E-01		9.109E-01	1.439E+00	1.096E-01	-0.197
TE123M	1.505E-01		4.423E-01	6.949E-01	4.442E-02	0.217
SB-124	-6.172E-01		1.047E+00	1.560E+00	1.191E-01	-0.396
I-125	-4.333E+00		1.179E+01	1.917E+01	2.181E+00	-0.226
SB-125	3.545E-01		1.827E+00	3.370E+00	2.607E-01	0.105
SB-126	-6.779E-01		6.160E+00	1.113E+01	7.882E-01	-0.061
SN-126	-7.298E-02		8.397E-01	1.372E+00	1.275E-01	-0.053
SB-127	-1.112E+02		2.455E+02	4.296E+02	3.093E+01	-0.259
I-129	2.357E-01		1.411E+00	2.372E+00	3.747E-01	0.099
I-131	5.076E+00		7.138E+00	1.187E+01	8.641E-01	0.428
BA-133	3.307E-02		7.404E-01	1.354E+00	1.673E-01	0.024
CS-134	6.121E-01	+	4.823E-01	1.145E+00	8.758E-02	0.535
CS-135	5.174E-01		2.362E+00	4.362E+00	2.964E-01	0.119
CS-136	7.739E-01		4.444E+00	8.408E+00	6.554E-01	0.092
CS-137	-4.284E-01		7.752E-01	1.292E+00	9.394E-02	-0.332
CE-139	3.780E-02		4.757E-01	7.851E-01	4.871E-02	0.048

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
BA-140	-3.078E+00		9.529E+00	1.683E+01	5.545E+00	-0.183
LA-140	1.896E+00		3.858E+00	8.107E+00	4.930E-01	0.234
CE-141	3.218E-01		1.210E+00	1.976E+00	4.602E-01	0.163
CE-144	1.034E+00		3.006E+00	5.064E+00	3.535E-01	0.204
PM-144	-3.007E-01		7.166E-01	1.219E+00	8.755E-02	-0.247
PM-145	6.706E-01		2.355E+00	3.932E+00	2.572E+00	0.171
PM-146	2.255E-01		1.438E+00	2.636E+00	2.023E-01	0.086
ND-147	1.585E+01		2.461E+01	4.807E+01	3.758E+00	0.330
EU-152	3.485E-01		5.376E+00	1.025E+01	9.327E-01	0.034
GD-153	-6.727E-01		1.440E+00	2.289E+00	1.912E-01	-0.294
EU-154	-6.890E-01		2.448E+00	4.311E+00	3.154E-01	-0.160
EU-155	3.249E-01		1.002E+00	1.680E+00	1.540E-01	0.193
EU-156	-1.547E+01		2.458E+01	4.028E+01	8.921E+00	-0.384
HO-166M	-1.277E+00		1.348E+00	2.174E+00	1.548E-01	-0.587
IR-192	-3.819E-01		1.491E+00	2.645E+00	2.044E-01	-0.144
HG-203	-1.046E-01		8.311E-01	1.490E+00	1.057E-01	-0.070
BI-207	-2.077E-01		6.430E-01	1.084E+00	8.405E-02	-0.192
TL-208	6.454E-01		2.217E+00	4.081E+00	3.148E-01	0.158
BI-210M	-8.407E-02		8.532E-01	1.538E+00	1.045E-01	-0.055
PB-210	2.637E+00		1.085E+01	1.864E+01	1.485E+00	0.141
PB-211	6.799E-01		1.704E+01	2.822E+01	2.089E+00	0.024
BI-212	7.687E-01		5.447E+00	1.019E+01	7.193E-01	0.075
PB-212	3.521E-01		1.008E+00	1.773E+00	1.197E-01	0.199
BI-214	9.718E-01		1.808E+00	3.285E+00	2.497E-01	0.296
PB-214	-2.373E-01		1.464E+00	2.637E+00	1.911E-01	-0.090
RN-219	-3.074E+00		7.700E+00	1.202E+01	8.868E-01	-0.256
RA-223	3.352E+00		1.091E+01	2.031E+01	1.446E+00	0.165
RA-224	3.962E+00		1.149E+01	2.019E+01	1.364E+00	0.196
RA-225	-2.673E+00		5.454E+00	8.790E+00	8.364E-01	-0.304
RA-226	1.413E+00		1.220E+01	2.154E+01	3.943E+01	0.066
TH-227	1.321E+01	+	1.014E+01	5.794E+00	3.904E-01	2.280
AC-228	5.050E-01		2.665E+00	4.982E+00	2.943E-01	0.101
TH-230	3.699E+00		2.357E+00	4.218E+00	3.355E-01	0.877
PA-231	1.120E+01		2.013E+01	3.761E+01	2.625E+00	0.298
TH-231	-1.500E+00		8.886E+00	1.415E+01	3.167E+00	-0.106
PA-233	-1.388E+00		2.460E+00	4.109E+00	8.997E-01	-0.338
PA-234	5.931E-01		1.483E+00	2.507E+00	1.762E-01	0.237
PA-234M	2.462E+01		7.642E+01	1.495E+02	1.037E+01	0.165
TH-234	-1.175E+01		9.889E+00	1.660E+01	1.140E+00	-0.708
U-235	-2.673E-01		3.158E+00	5.027E+00	8.382E-01	-0.053
NP-237	7.878E-01		2.431E+00	4.076E+00	3.735E-01	0.193
AM-241	-1.513E+00		1.015E+00	1.482E+00	9.788E-02	-1.021

Nuclide	Half-life	Half-Life		Energy	%Abund	Activity 2-Sigma		Rejected by	
		Ratio				(pCi/gram)	%Error		
CO-56	78.76D	0.36		846.75*	99.96	6.454E-01	136.02	Abun.	
				1037.75	14.03	---	Not Found		---
				1238.25	67.00	1.864E+00	74.75		
				1771.40	15.51	---	Not Found		---
				2598.48	16.90	---	Not Found		---
% Abundances Found =			78.24	(Abn. Limit = 99.96%)					
CO-60	5.27Y	0.01		1173.22*	100.00	---	Not Found	Abun.	
				1332.49	100.00	5.657E-01	118.25		
% Abundances Found =			50.00						
AG-110M	249.85D	0.11		657.75*	93.14	---	Not Found	Abun.	
				677.61	10.53	---	Not Found		---
				706.67	16.46	---	Not Found		---
				763.93	21.98	---	Not Found		---
				884.67	71.63	---	Not Found		---
	1384.27	23.94	3.297E+00	66.98					
% Abundances Found =			10.07						
CS-134	2.06Y	0.04		563.23	8.38	---	Not Found	Abun.	
				569.32	15.43	---	Not Found		---
				604.70*	97.60	6.121E-01	78.79		
				795.84	85.40	---	Not Found		---
				801.93	8.73	8.633E+00	117.01		
% Abundances Found =			49.33						
CS-136	13.16D	2.17		153.22	7.46	---	Not Found	Abun.	
				163.89	4.61	4.021E+01	95.23		
				176.55	13.56	---	Not Found		---
				273.65	12.66	---	Not Found		---
				340.57	48.50	---	Not Found		---
				818.50	99.70	---	Not Found		---
	1048.07*	79.60	---	Not Found	---				
	1235.34	19.70	---	Not Found	---				
% Abundances Found =			1.61						
BA-140	12.79D	2.23		162.64	6.70	2.874E+01	99.70	Abun.	
				304.84	4.50	---	Not Found		---
				423.70	3.20	---	Not Found		---
				437.55	2.00	---	Not Found		---
	537.32*	25.00	---	Not Found	---				
% Abundances Found =			16.18						
BI-212	1.41E+10Y	0.00		727.17*	11.80	---	Not Found	Abun.	
				1620.62	2.75	2.738E+01	109.71		
% Abundances Found =			18.90						
BI-214	1602.00Y	0.00		609.31*	46.30	---	Not Found	Abun.	
				1120.29	15.10	9.999E+00	55.73		
				1764.49	15.80	---	Not Found		---
				2204.22	4.98	---	Not Found		---
% Abundances Found =			18.37						

Nuclide	Half-life	Half-Life		Energy	%Abund	Activity 2-Sigma		Rejected by	
		Ratio				(pCi/gram)	%Error		
TH-227	3.28E+04Y	0.00		50.10	8.40	---	Not Found	---	Abun.
				236.00*	11.50	1.321E+01	76.74		
				256.20	6.30	---	Not Found	---	
			% Abundances Found =		43.89				
AC-228	1.41E+10Y	0.00		338.32	11.40	---	Not Found	---	Abun.
				911.07*	27.70	---	Not Found	---	
				969.11	16.60	3.443E+00	119.27		
			% Abundances Found =		29.80				
U-235	7.04E+08Y	0.00		143.76*	10.50	---	Not Found	---	Abun.
				163.35	4.70	8.764E+00	96.64		
				205.31	4.70	---	Not Found	---	
			% Abundances Found =		23.62				

Flag: "*" = Keyline

Spectrum : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107110_GE4_GAS60_105400.CNF;1

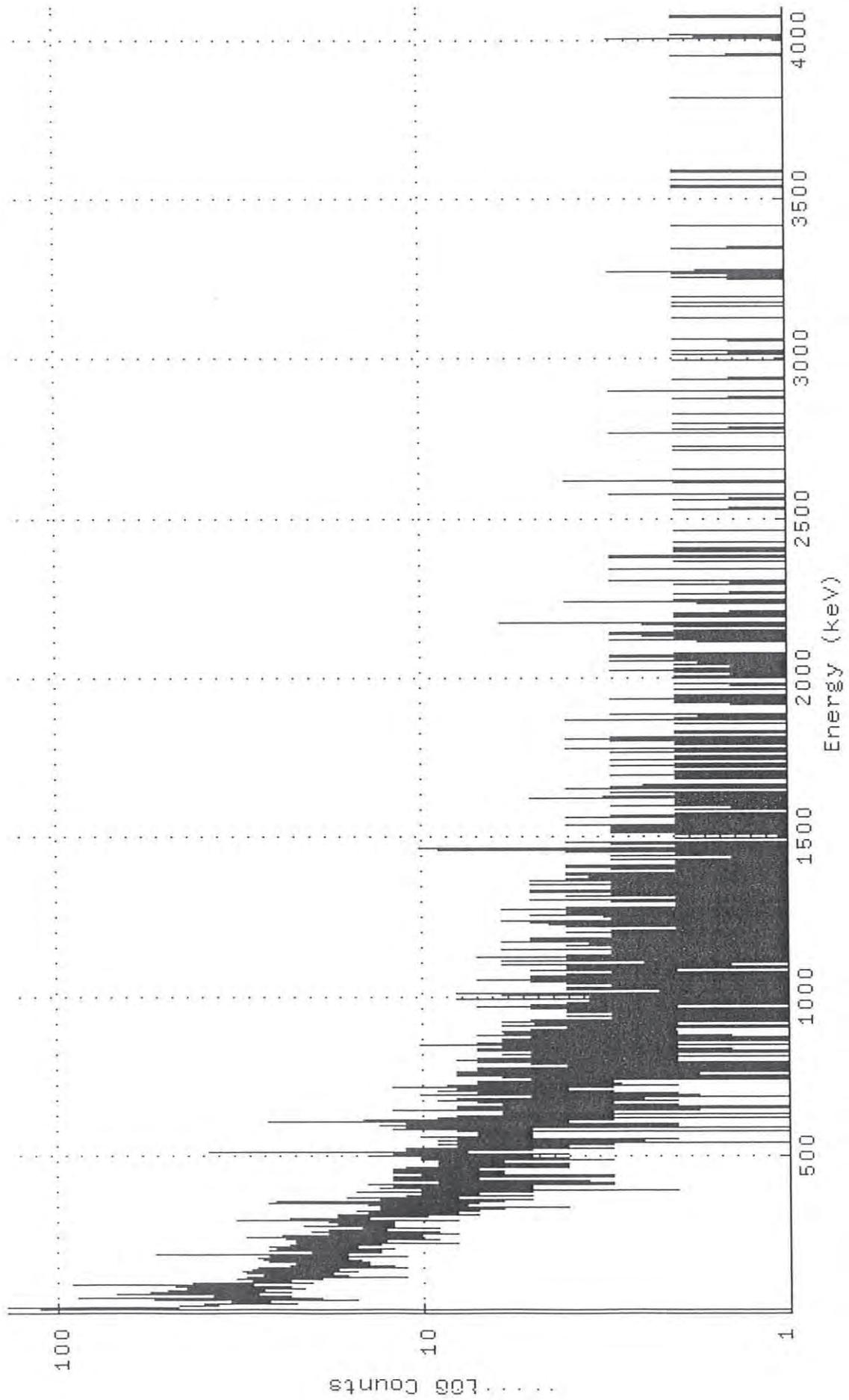
Title :

Sample Title: B-4 (0-3)

Start Time: 11-DEC-2006 11:15 Sample Time: 13-NOV-2006 00:00 Energy Offset: 7.35107E-01

Real Time : 0 02:00:02.04 Sample ID : 0611071-10 Energy Slope : 9.99608E-01

Live Time : 0 02:00:00.00 Sample Type: SLUDGE Energy Quad : 0.000000E+00



Channel

1:	0	0	0	0	0	0	0	0
9:	0	0	0	0	0	0	89	136
17:	72	68	75	67	59	36	45	37
25:	46	41	45	35	28	36	37	22
33:	28	26	33	30	33	27	30	32
41:	15	33	33	26	33	86	41	19
49:	30	24	25	31	37	27	26	26
57:	23	34	31	31	34	45	68	45
65:	35	39	40	23	26	34	27	33
73:	35	41	49	39	43	36	29	21
81:	29	27	33	39	23	23	47	31
89:	36	29	41	90	53	34	20	21
97:	24	33	27	28	23	23	24	29
105:	24	26	27	21	19	28	32	21
113:	18	28	30	11	22	27	27	16
121:	23	22	16	19	30	22	26	19
129:	24	20	31	24	23	23	15	21
137:	21	18	29	17	21	21	20	28
145:	25	11	27	12	22	21	14	23
153:	20	16	16	22	18	14	15	18
161:	21	23	26	22	14	15	23	25
169:	17	19	27	16	21	24	28	22
177:	18	18	23	26	21	11	23	18
185:	53	30	22	16	20	17	13	19
193:	19	13	20	19	16	26	15	13
201:	14	20	24	25	12	20	21	26
209:	15	20	22	15	22	23	14	18
217:	19	13	16	11	22	11	8	13
225:	12	13	14	18	18	22	16	13
233:	9	10	16	18	21	26	30	18
241:	30	15	10	17	13	24	10	15
249:	16	12	12	10	8	9	18	16
257:	10	14	9	20	12	13	15	14
265:	14	15	18	9	12	14	11	13
273:	10	21	15	21	14	12	18	12
281:	14	12	17	17	15	12	15	13
289:	18	13	13	17	10	19	32	8
297:	18	14	14	15	23	17	14	15
305:	13	13	17	14	13	7	17	10
313:	11	15	8	13	14	9	11	13
321:	8	11	13	15	12	10	7	10
329:	13	11	6	13	13	10	4	10
337:	12	13	10	10	10	14	8	8
345:	8	7	16	12	8	11	26	24
353:	9	13	11	12	6	8	8	8
361:	13	5	7	9	14	13	16	8
369:	12	6	9	10	10	5	11	7
377:	8	9	7	10	8	10	5	15
385:	14	7	11	8	2	9	8	8
393:	10	10	13	8	5	11	7	6
401:	9	6	8	5	12	4	14	13
409:	8	10	3	7	9	6	5	5
417:	3	4	12	12	9	8	7	10
425:	7	10	10	12	8	12	12	9

433:	8	7	3	5	6	5	10	3
441:	6	7	6	8	8	9	12	7
449:	8	10	12	6	11	12	8	11
457:	8	11	12	4	8	11	7	11
465:	8	9	8	9	9	4	8	7
473:	9	8	8	4	5	7	7	6
481:	9	6	6	10	10	3	6	9
489:	10	9	4	5	7	6	10	5
497:	9	7	7	9	14	9	4	7
505:	5	12	7	8	14	33	38	23
513:	8	9	7	11	6	5	6	5
521:	5	8	9	11	3	7	7	4
529:	5	8	8	7	9	4	6	3
537:	8	2	5	8	3	7	0	6
545:	7	7	5	5	9	3	2	3
553:	6	8	5	10	5	8	6	5
561:	7	7	5	6	5	6	6	5
569:	5	7	7	6	5	8	8	6
577:	3	1	7	9	5	6	11	5
585:	12	6	11	5	6	8	0	9
593:	4	2	7	9	13	5	11	8
601:	4	4	2	9	7	7	4	13
609:	26	8	9	6	3	3	6	9
617:	7	5	5	1	2	6	3	6
625:	7	5	8	4	0	6	5	4
633:	3	4	4	3	6	5	6	6
641:	4	6	12	8	3	1	2	6
649:	5	8	6	6	1	4	0	8
657:	2	5	2	4	4	6	6	6
665:	7	6	7	6	3	9	9	4
673:	5	4	2	3	5	8	6	3
681:	3	5	1	5	1	4	1	3
689:	5	2	3	6	10	3	3	7
697:	5	2	5	8	3	8	9	4
705:	4	8	7	4	4	5	7	4
713:	3	4	7	5	12	6	4	5
721:	4	3	2	4	3	7	4	4
729:	5	4	3	6	7	6	4	4
737:	4	5	0	4	2	0	6	6
745:	4	5	3	1	3	5	8	5
753:	1	3	8	4	3	4	5	1
761:	1	1	8	4	0	1	3	7
769:	4	7	2	7	5	2	5	1
777:	2	2	0	4	1	3	2	1
785:	5	2	1	4	3	4	1	4
793:	3	2	7	2	2	3	3	8
801:	4	7	6	2	4	5	4	3
809:	3	5	1	3	1	6	2	6
817:	3	2	5	3	3	5	3	1
825:	4	3	7	5	2	2	1	2
833:	3	3	4	2	7	3	3	2
841:	6	2	5	2	6	10	5	1
849:	4	5	7	2	6	4	6	2
857:	2	3	1	5	6	6	1	3
865:	2	3	4	5	2	2	3	3
873:	1	2	3	5	4	6	7	5
881:	4	3	2	2	4	2	3	6
889:	2	5	3	3	5	4	4	5
897:	4	1	1	1	1	4	2	1
905:	2	2	3	3	6	4	4	2

913:	3	3	4	2	3	1	2	6
921:	6	3	5	4	1	2	3	1
929:	2	1	1	3	0	2	2	4
937:	2	1	2	2	3	3	1	3
945:	2	4	1	2	2	3	3	4
953:	2	2	1	1	1	1	2	2
961:	4	2	5	3	4	5	2	7
969:	5	4	1	1	3	5	3	4
977:	1	3	1	4	4	3	3	1
985:	0	1	3	2	0	8	2	3
993:	5	1	1	3	2	1	3	4
1001:	2	2	6	1	3	0	5	8
1009:	3	1	5	1	2	1	2	2
1017:	2	2	4	2	1	0	1	0
1025:	2	4	3	2	1	2	3	1
1033:	3	2	3	3	4	3	1	3
1041:	3	5	1	2	2	3	4	0
1049:	7	3	3	5	3	1	0	5
1057:	3	0	3	3	1	4	1	2
1065:	5	2	1	4	2	0	1	2
1073:	3	1	2	1	2	2	4	3
1081:	5	3	2	2	0	1	0	3
1089:	4	4	3	1	1	4	0	2
1097:	4	3	2	2	6	1	1	0
1105:	0	2	1	2	4	2	6	1
1113:	0	2	2	1	0	3	4	3
1121:	4	3	7	1	2	0	0	2
1129:	2	3	4	2	3	1	0	2
1137:	3	1	2	3	2	2	1	1
1145:	5	6	1	1	2	0	3	1
1153:	2	2	3	2	0	2	3	4
1161:	4	3	1	3	1	1	2	3
1169:	6	3	1	0	0	0	4	1
1177:	5	2	1	2	1	0	2	5
1185:	2	2	3	1	0	1	2	3
1193:	2	2	2	0	2	4	1	1
1201:	4	0	3	2	3	3	1	3
1209:	1	0	0	1	2	0	1	0
1217:	2	1	3	0	4	1	1	3
1225:	1	1	4	5	1	0	2	2
1233:	2	2	0	4	2	6	2	1
1241:	1	0	0	1	3	1	2	3
1249:	1	1	2	5	1	2	0	1
1257:	1	0	2	4	3	2	2	1
1265:	1	4	2	2	4	3	2	4
1273:	0	6	0	3	0	2	1	4
1281:	1	0	2	2	2	1	0	1
1289:	2	2	1	1	0	0	2	1
1297:	1	3	2	4	5	0	3	2
1305:	2	1	0	1	1	2	1	1
1313:	1	1	4	0	2	3	1	2
1321:	0	1	2	2	1	3	2	5
1329:	2	1	1	5	2	2	1	0
1337:	1	3	2	1	1	3	1	2
1345:	0	1	1	5	3	3	1	1
1353:	3	1	1	2	3	3	1	0
1361:	1	5	1	1	2	4	2	2
1369:	0	1	0	1	0	2	0	3
1377:	4	1	0	0	0	1	1	4
1385:	3	0	0	2	1	0	0	0

1393:	2	1	3	2	1	2	0	1
1401:	1	4	1	2	0	4	1	2
1409:	4	0	1	3	0	1	0	1
1417:	2	1	1	2	1	2	0	1
1425:	3	1	1	0	3	0	0	0
1433:	1	0	1	1	2	1	2	3
1441:	0	1	0	2	1	1	1	0
1449:	4	0	1	4	3	0	3	0
1457:	1	1	4	8	10	5	2	2
1465:	1	1	0	2	1	0	1	2
1473:	0	0	2	1	3	1	2	1
1481:	0	4	1	1	0	1	1	1
1489:	0	0	1	1	2	1	1	1
1497:	1	1	0	1	1	1	1	0
1505:	1	0	1	2	1	1	0	1
1513:	3	2	2	0	0	1	3	1
1521:	3	0	1	3	0	2	3	1
1529:	1	1	0	0	2	0	0	1
1537:	2	4	1	2	0	2	2	0
1545:	2	1	2	2	1	2	0	2
1553:	0	1	0	1	4	0	4	2
1561:	1	3	0	1	3	2	1	2
1569:	2	1	1	0	1	0	0	1
1577:	1	0	0	0	1	0	2	1
1585:	1	0	1	1	1	0	1	1
1593:	2	2	2	1	3	2	0	0
1601:	2	1	1	1	1	0	2	0
1609:	1	0	1	2	2	2	1	0
1617:	0	1	1	2	1	5	2	0
1625:	2	0	0	1	1	2	0	1
1633:	0	2	0	1	3	0	1	1
1641:	0	1	1	0	1	0	0	1
1649:	0	1	4	2	2	0	0	3
1657:	1	3	2	1	0	2	1	0
1665:	1	0	0	1	0	0	0	1
1673:	0	0	0	1	1	2	1	1
1681:	0	2	0	0	2	2	1	0
1689:	2	2	1	3	1	1	1	1
1697:	0	1	2	0	0	2	1	0
1705:	1	0	1	0	1	1	0	0
1713:	0	2	0	0	1	0	3	0
1721:	0	0	1	0	0	0	1	1
1729:	2	0	0	0	0	0	1	0
1737:	1	3	1	0	3	0	2	0
1745:	1	0	0	1	0	0	1	2
1753:	0	1	0	1	1	1	0	1
1761:	0	0	3	2	2	2	0	0
1769:	1	0	0	0	4	0	1	1
1777:	1	1	1	1	0	0	1	1
1785:	1	1	2	1	1	0	2	1
1793:	0	0	0	2	1	1	0	3
1801:	0	2	0	0	0	2	1	4
1809:	0	3	2	0	0	0	0	1
1817:	0	0	1	0	0	0	0	2
1825:	1	0	0	1	0	2	0	1
1833:	1	0	1	1	1	0	0	0
1841:	0	0	0	0	0	0	1	0
1849:	0	1	0	1	0	1	2	1
1857:	0	0	0	0	1	0	0	1
1865:	4	3	1	1	0	2	0	0

1873:	0	1	0	1	1	0	0	0
1881:	3	0	0	1	1	1	1	0
1889:	0	1	0	1	0	0	0	1
1897:	0	1	0	1	0	0	1	1
1905:	0	1	0	1	1	1	0	1
1913:	0	1	1	1	2	1	2	2
1921:	1	0	0	0	2	0	1	0
1929:	0	1	1	3	0	0	0	0
1937:	2	1	2	0	0	0	2	1
1945:	0	1	1	0	0	0	1	0
1953:	0	0	0	1	0	1	0	0
1961:	2	0	1	0	0	1	0	0
1969:	0	0	0	1	0	1	1	0
1977:	2	2	0	1	0	1	0	1
1985:	1	1	1	0	1	0	1	1
1993:	1	1	1	0	2	0	0	2
2001:	2	0	2	0	0	0	0	0
2009:	0	0	1	1	2	0	0	0
2017:	1	1	3	0	2	1	0	0
2025:	0	0	2	1	0	1	1	0
2033:	0	0	0	0	2	0	1	1
2041:	2	2	0	0	0	1	0	0
2049:	3	0	0	0	0	1	2	0
2057:	1	0	0	1	0	0	0	3
2065:	1	0	1	3	1	0	0	1
2073:	0	0	2	1	1	1	0	0
2081:	0	0	0	0	0	0	0	1
2089:	0	1	0	1	0	0	0	0
2097:	1	0	1	1	1	0	0	0
2105:	0	1	1	0	0	1	0	0
2113:	0	0	3	0	2	1	0	1
2121:	0	0	2	0	1	2	0	0
2129:	0	0	0	2	3	0	1	0
2137:	1	0	2	1	0	0	3	0
2145:	1	2	1	0	1	0	0	1
2153:	0	1	1	1	0	2	1	0
2161:	0	1	0	1	2	1	0	0
2169:	6	0	0	0	0	1	0	1
2177:	0	0	0	1	0	0	0	1
2185:	0	0	0	1	1	1	0	2
2193:	0	0	1	2	0	1	2	0
2201:	1	0	0	2	1	0	0	1
2209:	0	1	1	0	1	1	1	0
2217:	1	1	0	1	0	0	0	1
2225:	1	1	0	0	0	0	0	0
2233:	0	1	3	0	1	1	4	0
2241:	0	0	2	1	2	0	1	1
2249:	0	0	0	1	0	0	0	1
2257:	0	0	0	2	1	0	0	2
2265:	0	1	1	0	0	1	0	0
2273:	1	0	0	0	1	0	1	0
2281:	0	0	0	0	1	0	1	1
2289:	1	0	0	1	2	2	1	0
2297:	0	0	1	0	2	1	0	3
2305:	0	0	1	1	0	0	0	1
2313:	1	1	1	0	1	1	0	0
2321:	0	1	0	0	0	0	0	0
2329:	0	0	0	1	0	0	0	1
2337:	1	1	3	1	0	0	0	0
2345:	1	0	1	1	0	0	1	0

2353:	0	0	0	1	0	0	0	0
2361:	0	0	2	1	1	0	0	1
2369:	0	1	1	0	0	2	0	3
2377:	0	0	1	3	0	0	0	0
2385:	0	0	0	0	1	0	0	1
2393:	0	0	0	2	2	0	0	1
2401:	0	1	2	0	0	1	0	0
2409:	1	0	0	0	1	0	0	0
2417:	1	0	1	1	1	0	0	2
2425:	0	1	1	0	0	1	0	0
2433:	0	0	0	0	1	0	1	0
2441:	0	0	0	0	0	0	0	0
2449:	0	0	0	0	0	0	1	1
2457:	0	0	0	0	2	0	0	1
2465:	0	1	0	0	0	0	0	0
2473:	0	0	1	0	0	0	0	0
2481:	0	1	0	0	0	0	0	1
2489:	1	0	1	1	0	0	1	0
2497:	0	0	0	0	0	0	1	0
2505:	0	0	0	0	0	1	0	1
2513:	0	0	0	0	0	0	1	0
2521:	0	0	0	0	0	0	1	2
2529:	1	0	0	0	1	0	0	0
2537:	0	0	0	0	0	1	1	1
2545:	1	0	0	0	0	0	0	0
2553:	0	0	1	0	0	2	1	0
2561:	0	0	1	0	0	1	0	0
2569:	0	0	0	0	0	3	0	0
2577:	0	0	0	0	1	1	1	1
2585:	0	0	0	0	1	0	1	0
2593:	0	1	1	0	0	0	1	0
2601:	0	1	0	0	0	1	0	2
2609:	0	0	0	0	0	1	4	2
2617:	1	0	1	0	1	0	1	1
2625:	0	0	1	0	0	0	1	0
2633:	1	1	1	0	0	0	0	0
2641:	0	0	0	0	0	0	0	0
2649:	0	2	0	0	0	0	0	0
2657:	0	1	0	0	1	1	0	0
2665:	1	1	0	1	0	1	0	1
2673:	0	0	0	1	0	0	0	0
2681:	1	1	0	0	0	0	0	1
2689:	1	1	1	0	0	0	0	1
2697:	0	1	1	0	1	0	0	0
2705:	0	1	0	0	0	0	0	2
2713:	0	0	0	0	0	0	0	0
2721:	0	0	1	2	0	0	0	0
2729:	0	0	0	0	0	0	0	1
2737:	0	0	0	0	1	0	0	0
2745:	1	0	0	0	0	0	1	0
2753:	0	0	0	0	0	0	0	0
2761:	0	0	1	1	3	0	0	0
2769:	0	0	0	0	1	0	0	1
2777:	0	0	2	0	0	0	0	1
2785:	0	0	0	0	0	0	1	0
2793:	0	0	2	0	0	0	0	0
2801:	0	0	0	0	0	0	1	0
2809:	0	1	1	0	0	1	0	0
2817:	0	0	0	0	1	0	0	0
2825:	1	2	1	1	0	1	0	0

2833:	0	0	0	0	1	0	0	0
2841:	1	0	1	1	0	0	0	0
2849:	0	0	0	1	1	1	0	1
2857:	0	0	0	0	0	1	0	0
2865:	0	1	0	0	0	0	1	0
2873:	0	0	2	0	0	0	0	0
2881:	1	0	1	0	1	0	1	0
2889:	1	1	0	0	0	0	1	0
2897:	3	0	0	0	0	1	0	0
2905:	0	1	0	1	0	0	0	0
2913:	0	0	0	0	0	0	0	0
2921:	0	0	0	0	0	0	0	0
2929:	0	0	0	0	0	0	2	1
2937:	0	0	0	0	0	1	0	0
2945:	0	0	1	0	0	0	0	0
2953:	0	0	0	0	0	0	1	0
2961:	0	1	0	0	1	0	1	0
2969:	0	0	0	0	0	0	0	0
2977:	1	0	0	0	0	1	0	0
2985:	0	0	1	0	0	0	0	0
2993:	2	0	0	0	0	0	0	0
3001:	1	0	0	0	0	0	0	0
3009:	1	1	0	0	2	0	0	0
3017:	1	0	0	0	0	0	1	2
3025:	1	0	1	0	1	0	0	0
3033:	1	0	0	0	0	1	0	0
3041:	1	0	0	1	0	0	0	0
3049:	1	1	0	0	0	0	0	2
3057:	0	0	0	0	1	1	1	1
3065:	0	0	0	0	0	0	0	1
3073:	1	0	1	0	0	0	0	0
3081:	0	1	0	0	0	0	0	1
3089:	0	0	0	0	0	1	1	1
3097:	0	0	0	0	0	1	0	0
3105:	0	0	0	1	1	0	0	0
3113:	0	0	0	1	1	0	1	0
3121:	0	0	0	2	0	0	0	0
3129:	0	1	1	0	1	0	0	0
3137:	1	0	0	0	0	1	0	1
3145:	1	0	0	0	0	0	0	0
3153:	0	0	0	0	0	0	2	0
3161:	0	0	0	0	0	0	0	1
3169:	0	0	2	0	0	1	0	1
3177:	0	0	0	0	0	0	0	0
3185:	0	0	0	1	0	0	2	1
3193:	1	0	0	0	0	0	0	0
3201:	0	0	0	0	0	0	0	0
3209:	1	0	0	0	0	0	0	0
3217:	1	1	0	1	0	0	0	0
3225:	1	1	0	0	0	0	0	0
3233:	1	0	0	0	0	1	0	0
3241:	1	1	0	0	0	0	0	2
3249:	0	0	0	0	2	0	0	0
3257:	0	0	0	1	0	1	0	2
3265:	0	2	0	0	0	1	3	0
3273:	0	0	0	0	1	0	0	0
3281:	1	1	0	0	0	0	0	0
3289:	0	0	0	0	0	0	0	0
3297:	0	0	0	0	1	0	0	0
3305:	1	0	1	1	1	0	0	0

3313:	0	0	0	0	0	0	1	0
3321:	0	0	0	0	0	0	0	1
3329:	0	0	0	0	0	0	1	0
3337:	1	1	0	0	0	0	2	1
3345:	0	1	1	1	1	1	0	0
3353:	0	0	0	0	0	0	0	0
3361:	0	0	0	0	0	0	1	0
3369:	1	0	1	0	1	0	1	0
3377:	1	0	0	0	0	0	0	1
3385:	0	0	1	0	0	0	1	0
3393:	0	0	1	0	0	0	1	1
3401:	1	0	0	0	1	0	0	0
3409:	1	0	0	2	0	0	0	0
3417:	0	0	0	1	0	0	0	0
3425:	0	0	0	1	1	0	0	0
3433:	1	1	0	0	0	0	0	0
3441:	1	0	0	0	1	0	0	0
3449:	0	0	0	0	0	0	0	0
3457:	0	0	1	0	0	0	0	1
3465:	0	0	0	0	1	1	1	0
3473:	0	0	1	1	0	0	1	1
3481:	0	0	0	0	0	0	0	0
3489:	0	0	0	1	0	0	1	1
3497:	0	1	0	1	0	0	0	0
3505:	0	0	0	0	0	1	0	1
3513:	0	0	0	1	1	0	0	1
3521:	0	0	0	0	0	0	1	0
3529:	0	0	0	0	0	1	2	0
3537:	1	0	2	0	0	0	0	0
3545:	0	0	0	1	0	0	0	1
3553:	0	0	0	0	0	2	0	1
3561:	0	0	0	0	0	0	0	0
3569:	1	0	0	0	0	1	1	0
3577:	0	0	0	2	1	0	0	0
3585:	2	0	1	0	0	0	0	0
3593:	0	0	0	0	0	0	0	0
3601:	0	1	0	1	0	0	1	1
3609:	0	0	0	0	0	1	0	0
3617:	0	0	0	0	0	1	0	0
3625:	0	0	0	0	0	0	0	0
3633:	0	0	0	0	0	0	0	0
3641:	0	0	0	0	1	0	0	0
3649:	0	0	0	0	1	0	0	0
3657:	0	0	0	0	0	1	1	0
3665:	1	0	0	0	0	0	1	0
3673:	0	0	0	0	0	0	0	1
3681:	0	0	0	1	0	0	0	0
3689:	0	0	0	0	0	1	1	0
3697:	1	0	0	0	0	0	0	0
3705:	0	0	0	0	1	0	0	0
3713:	0	0	0	0	0	0	0	1
3721:	0	0	0	0	0	0	0	0
3729:	1	0	0	1	0	0	0	0
3737:	0	0	0	0	0	0	0	1
3745:	0	1	1	0	1	0	0	0
3753:	0	0	0	0	0	1	0	0
3761:	0	0	0	1	0	0	0	1
3769:	0	1	0	0	0	0	0	0
3777:	0	0	1	0	0	0	0	0
3785:	1	0	1	0	0	0	0	1

3793:	0	0	1	0	0	0	0	0
3801:	0	0	0	1	0	1	0	0
3809:	1	1	0	0	1	2	0	0
3817:	0	1	0	0	0	0	0	0
3825:	0	1	0	0	0	0	0	0
3833:	1	1	0	0	0	0	0	0
3841:	1	0	0	0	0	1	1	0
3849:	0	0	0	1	0	0	0	0
3857:	0	1	0	0	0	0	1	1
3865:	0	0	0	1	0	0	0	0
3873:	0	1	0	1	1	0	0	0
3881:	0	0	0	0	0	0	0	0
3889:	0	0	0	0	0	0	0	0
3897:	0	0	0	0	0	0	0	0
3905:	0	0	0	1	0	1	0	0
3913:	0	1	0	1	0	0	1	1
3921:	0	0	0	0	0	0	0	0
3929:	1	0	0	0	1	0	0	0
3937:	0	0	0	0	1	0	1	0
3945:	0	0	0	0	2	0	0	0
3953:	0	0	0	0	0	0	0	0
3961:	0	0	0	1	0	1	0	0
3969:	0	0	0	0	0	0	0	0
3977:	0	0	0	0	1	0	0	1
3985:	1	0	0	1	1	0	0	0
3993:	0	0	0	0	1	0	1	1
4001:	0	0	3	0	0	0	0	0
4009:	0	0	0	2	0	0	0	0
4017:	0	1	0	0	0	0	0	1
4025:	0	0	1	0	0	0	0	0
4033:	0	0	0	0	1	1	0	0
4041:	0	0	0	0	0	0	0	0
4049:	0	0	0	0	0	0	1	0
4057:	0	0	0	0	0	0	0	0
4065:	0	0	2	0	0	0	0	2
4073:	0	0	0	0	0	0	0	1
4081:	0	0	1	0	0	0	0	0
4089:	0	0	0	0	0	0	0	0

Sample ID : 0611071-11

Acquisition date : 11-DEC-2006 11:39:41

90, 12/1/06

VAX/VMS Peak Search Report Generated 11-DEC-2006 13:39:56.41

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107111_GE1_GAS60_105401.CN
 Analyses by : PEAK V16.9 ENBACK V1.6 PEAKEFF V2.2
 Client ID : B-4 (3-6)
 Deposition Date :
 Sample Date : 13-NOV-2006 00:00:00 Acquisition date : 11-DEC-2006 11:39:41
 Sample ID : 0611071-11 Sample Quantity : 4.19500E+01 gram
 Sample type : SLUDGE Sample Geometry : 0
 Detector name : GE1 Detector Geometry: GAS-60
 Elapsed live time: 0 02:00:00.00 Elapsed real time: 0 02:00:00.90 0.0%
 Start channel : 5 End channel : 4096
 Sensitivity : 2.40000 Gaussian : 15.00000
 Critical level : Yes

Post-NID Peak Search Report

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
0	63.37*	118	634	2.09	63.66	59	10	86.8		TH-234
0	76.39*	663	780	3.91	76.69	72	11	18.2		
0	105.29	41	225	1.77	105.59	103	5	113.5		
0	209.57	47	189	2.05	209.91	207	6	97.4		
0	239.38*	555	355	2.00	239.72	234	12	16.3		PB-212
0	270.78	68	221	1.99	271.14	267	9	82.8		
0	295.15*	61	159	1.75	295.51	292	7	72.2		PB-214
0	299.87	38	114	3.90	300.23	299	5	88.8		PB-212
0	309.39	30	96	2.90	309.75	308	7	114.6		
0	328.54	41	137	1.38	328.91	325	8	103.3		
0	338.76	140	173	1.88	339.13	333	12	41.5		AC-228
0	351.70*	217	186	2.14	352.08	346	12	29.9		PB-214
0	410.28	29	97	2.13	410.67	408	7	118.5		
0	427.91	36	127	2.67	428.31	423	10	121.6		
0	563.91	42	34	2.99	564.34	561	7	54.7		
1	583.33*	153	61	2.62	583.77	578	13	25.1	4.83E+00	TL-208
1	586.79	21	55	2.62	587.24	578	13	171.7		
0	609.34*	140	102	1.42	609.79	604	10	34.2		BI-214
0	629.21	18	37	3.26	629.66	627	6	114.8		
0	684.05	33	85	9.67	684.52	678	13	119.6		
0	698.61	22	50	1.98	699.09	695	8	120.2		
0	728.03	29	69	1.59	728.51	725	8	105.5		BI-212
0	787.19	20	41	3.18	787.69	784	7	114.7		
0	860.07	19	29	2.53	860.59	858	6	103.2		TL-208
0	912.44*	90	70	2.19	912.97	907	12	44.1		AC-228
1	964.71	25	27	2.85	965.26	962	15	81.8	2.14E+00	
1	969.45*	63	27	2.59	970.00	962	15	42.0		AC-228
0	1120.77	37	63	2.47	1121.36	1115	12	92.3		BI-214
0	1155.68	30	36	5.88	1156.28	1150	14	91.9		
0	1377.99	21	25	1.64	1378.66	1371	15	112.6		
0	1446.49	14	6	1.98	1447.17	1443	8	79.8		
0	1460.74*	311	19	2.37	1461.43	1455	13	13.2		K-40
0	1536.04	12	8	4.48	1536.75	1533	8	100.0		
1	1588.48	26	7	3.15	1589.20	1586	20	41.3	3.07E+00	
1	1594.27	12	11	2.86	1595.00	1586	20	117.0		
1	1600.56	12	10	3.15	1601.29	1586	20	116.1		

*AG
12/12/06*

Sample ID : 0611071-11

Acquisition date : 11-DEC-2006 11:39:41

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
1	1631.25	14	2	3.16	1631.98	1629	13	54.0	2.52E-01	
1	1637.55	12	0	3.17	1638.29	1629	13	63.7		
0	1678.25	20	12	7.55	1679.00	1671	16	87.7		
4	1729.40	17	0	4.27	1730.17	1726	13	49.3	2.07E-01	
4	1735.09	11	0	2.94	1735.86	1726	13	67.4		
0	1764.57*	30	6	2.50	1765.35	1759	10	53.4		BI-214
4	1791.17	10	1	3.82	1791.96	1790	13	52.6	8.64E-01	
4	1798.01	11	1	3.78	1798.80	1790	13	84.3		
0	1804.85	7	3	1.84	1805.64	1803		6108.8		
0	2050.04	9	3	8.49	2050.90	2044	11	96.9		
0	2104.89	6	6	1.10	2105.76	2102		6144.7		
0	2204.19	11	2	3.82	2205.09	2201	8	75.0		BI-214
0	2352.92	5	2	1.24	2353.87	2351		6113.5		
0	2420.92	5	3	1.88	2421.88	2418		7143.2		
0	2614.07*	51	3	2.03	2615.09	2609	12	34.2		TL-208
0	2972.71	6	2	2.48	2973.83	2968		9124.4		

Total number of lines in spectrum 52
 Number of unidentified lines 25
 Number of lines tentatively identified by NID 27 51.92%

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr	2-Sigma Error	2-Sigma	Flags
			Uncorrected	Decay Corr				
			pCi/gram	pCi/gram			%Error	
K-40	1.28E+09Y	1.00	3.128E+01	3.128E+01	0.456E+01	14.58		
TL-208	1.41E+10Y	1.00	2.456E+00	2.456E+00	0.507E+00	20.65		
BI-212	1.41E+10Y	1.00	1.512E+00	1.512E+00	1.599E+00	105.81		
PB-212	1.41E+10Y	1.00	3.139E+00	3.139E+00	0.543E+00	17.30		
BI-214	1602.00Y	1.00	1.808E+00	1.808E+00	0.486E+00	26.86		
PB-214	1602.00Y	1.00	1.508E+00	1.508E+00	0.447E+00	29.65		
AC-228	1.41E+10Y	1.00	2.904E+00	2.904E+00	0.734E+00	25.29		
TH-234	4.47E+09Y	1.00	5.568E+00	5.568E+00	4.848E+00	87.07		
Total Activity :			5.018E+01	5.018E+01				
Grand Total Activity :			5.018E+01	5.018E+01				

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
K-40	1460.81	10.67*	8.337E-01	3.128E+01	3.128E+01	14.58	OK
Final Mean for 1 Valid Peaks = 3.128E+01 +/- 4.560E+00 (14.58%)							
TL-208	583.14	30.22*	1.753E+00	2.584E+00	2.584E+00	26.29	OK
	860.37	4.48	1.264E+00	2.952E+00	2.952E+00	103.45	OK
	2614.66	35.85	5.643E-01	2.251E+00	2.251E+00	34.95	OK
Final Mean for 3 Valid Peaks = 2.456E+00 +/- 5.070E-01 (20.65%)							
BI-212	727.17	11.80*	1.455E+00	1.512E+00	1.512E+00	105.81	OK
	1620.62	2.75	7.730E-01	-----	Line Not Found	-----	Absent
Final Mean for 1 Valid Peaks = 1.512E+00 +/- 1.599E+00 (105.81%)							
PB-212	238.63	44.60*	3.558E+00	3.132E+00	3.132E+00	17.64	OK
	300.09	3.41	3.015E+00	3.336E+00	3.336E+00	88.98	OK
Final Mean for 2 Valid Peaks = 3.139E+00 +/- 5.431E-01 (17.30%)							
BI-214	609.31	46.30*	1.689E+00	1.603E+00	1.603E+00	35.13	OK
	1120.29	15.10	1.021E+00	2.136E+00	2.136E+00	92.55	OK
	1764.49	15.80	7.280E-01	2.310E+00	2.310E+00	53.72	OK
	2204.22	4.98	6.273E-01	3.151E+00	3.151E+00	75.24	OK
Final Mean for 4 Valid Peaks = 1.808E+00 +/- 4.858E-01 (26.86%)							
PB-214	295.21	19.19	3.053E+00	9.326E-01	9.326E-01	72.45	OK
	351.92	37.19*	2.664E+00	1.957E+00	1.957E+00	30.48	OK
Final Mean for 2 Valid Peaks = 1.508E+00 +/- 4.472E-01 (29.65%)							
AC-228	338.32	11.40	2.748E+00	4.001E+00	4.001E+00	41.89	OK
	911.07	27.70*	1.206E+00	2.421E+00	2.421E+00	44.56	OK
	969.11	16.60	1.147E+00	2.942E+00	2.942E+00	42.54	OK
Final Mean for 3 Valid Peaks = 2.904E+00 +/- 7.345E-01 (25.29%)							
TH-234	63.29	3.80*	4.977E+00	5.568E+00	5.568E+00	87.07	OK
Final Mean for 1 Valid Peaks = 5.568E+00 +/- 4.848E+00 (87.07%)							

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/gram)	Act error	MDA (pCi/gram)	MDA error	Act/MDA
K-40	3.128E+01	4.560E+00	2.004E+00	1.174E-01	15.608
TL-208	2.456E+00	5.070E-01	7.094E-01	5.257E-02	3.461
BI-212	1.512E+00	1.599E+00	2.029E+00	1.604E-01	0.745
PB-212	3.139E+00	5.431E-01	3.551E-01	2.270E-02	8.840
BI-214	1.808E+00	4.858E-01	5.122E-01	3.937E-02	3.531
PB-214	1.508E+00	4.472E-01	4.707E-01	2.594E-02	3.204
AC-228	2.904E+00	7.345E-01	8.826E-01	5.545E-02	3.290
TH-234	5.568E+00	4.848E+00	4.283E+00	2.646E-01	1.300

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
BE-7	5.498E-01		1.634E+00	2.823E+00	1.772E-01	0.195
NA-22	1.611E-01		1.561E-01	3.136E-01	1.745E-02	0.514
AL-26	5.105E-02		1.738E-01	2.944E-01	1.587E-02	0.173
CR-51	2.007E+00		2.550E+00	3.770E+00	2.359E-01	0.532
MN-54	-1.010E-01		1.530E-01	2.587E-01	1.814E-02	-0.390
CO-56	-1.815E-01		1.801E-01	2.933E-01	2.019E-02	-0.619
CO-57	-6.344E-02		1.075E-01	1.788E-01	1.264E-02	-0.355
CO-58	-1.196E-01		1.605E-01	2.697E-01	1.962E-02	-0.443
FE-59	1.836E-01		4.595E-01	8.509E-01	5.923E-02	0.216
CO-60	2.376E-02		1.461E-01	2.695E-01	1.552E-02	0.088
ZN-65	2.451E-01		3.892E-01	6.633E-01	3.952E-02	0.369
SE-75	6.791E-02		2.136E-01	3.300E-01	1.971E-02	0.206
RB-83	-6.329E-01		3.578E-01	5.466E-01	8.025E-02	-1.158
KR-85	1.167E+02		3.906E+01	7.677E+01	5.122E+00	1.520
SR-85	6.886E-01		2.305E-01	4.530E-01	3.023E-02	1.520
Y-88	5.158E-02		1.359E-01	2.788E-01	1.496E-02	0.185
NB-93M	0.000E+00		0.000E+00	3.689E-01	1.577E-01	0.000
NB-94	4.236E-02		1.411E-01	2.606E-01	1.723E-02	0.163
NB-95	1.301E-01		2.745E-01	4.988E-01	3.811E-02	0.261
NB-95M	5.616E+02		1.361E+02	2.379E+02	1.532E+01	2.361
ZR-95	-1.701E-02		3.318E-01	5.950E-01	5.158E-02	-0.029
RU-103	-1.304E-01		2.119E-01	3.371E-01	4.374E-02	-0.387
RU-106	2.074E-01		1.510E+00	2.437E+00	3.132E-01	0.085
AG-108M	-2.224E-02		1.720E-01	2.685E-01	2.129E-02	-0.083
CD-109	-1.472E+01		4.043E+00	5.437E+00	4.929E-01	-2.708
AG-110M	-8.753E-03		1.521E-01	2.726E-01	2.233E-02	-0.032
SN-113	-4.875E-02		1.994E-01	3.304E-01	1.903E-02	-0.148
TE123M	-4.276E-02		1.251E-01	2.093E-01	1.501E-02	-0.204
SB-124	1.398E-02		2.131E-01	3.398E-01	2.588E-02	0.041
I-125	0.000E+00		0.000E+00	1.633E-01	1.537E-02	0.000
SB-125	4.942E-01	+	6.017E-01	7.440E-01	4.452E-02	0.664
SB-126	-2.333E-01		1.416E+00	2.203E+00	1.750E-01	-0.106
SN-126	-1.463E+00		3.799E-01	5.193E-01	3.559E-02	-2.816
SB-127	9.234E+01	+	1.107E+02	1.173E+02	9.542E+00	0.787
I-129	0.000E+00		0.000E+00	1.708E-02	2.051E-03	0.000

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
I-131	-2.888E-01		1.552E+00	2.585E+00	1.413E-01	-0.112
BA-133	3.618E-01		2.335E-01	3.826E-01	4.367E-02	0.946
CS-134	1.150E-01		1.579E-01	2.665E-01	2.042E-02	0.432
CS-135	6.785E-01		7.417E-01	1.183E+00	6.871E-02	0.574
CS-136	2.333E-01		8.468E-01	1.565E+00	1.013E-01	0.149
CS-137	6.699E-02		1.557E-01	2.788E-01	2.299E-02	0.240
CE-139	3.508E-02		1.305E-01	2.241E-01	1.614E-02	0.157
BA-140	-4.069E-01		2.228E+00	3.963E+00	1.297E+00	-0.103
LA-140	3.261E-01		7.811E-01	1.492E+00	8.199E-02	0.219
CE-141	3.141E-02		3.373E-01	5.555E-01	1.301E-01	0.057
CE-144	5.946E-01		8.466E-01	1.482E+00	1.050E-01	0.401
PM-144	5.536E-02		1.794E-01	2.533E-01	2.049E-02	0.219
PM-145	0.000E+00		0.000E+00	3.372E-02	2.197E-02	0.000
PM-146	7.764E-02		2.821E-01	4.864E-01	2.928E-02	0.160
ND-147	-1.171E+00		5.341E+00	9.504E+00	6.515E-01	-0.123
EU-152	9.230E-02		1.019E+00	1.868E+00	1.614E-01	0.049
GD-153	-1.461E-01		4.777E-01	7.192E-01	4.953E-02	-0.203
EU-154	4.494E-01		4.333E-01	8.708E-01	4.846E-02	0.516
EU-155	-1.775E+00		4.880E-01	6.200E-01	4.221E-02	-2.864
EU-156	2.619E-02		4.082E+00	7.460E+00	1.668E+00	0.004
HO-166M	-9.214E-02		2.664E-01	4.649E-01	3.717E-02	-0.198
IR-192	-2.176E-01		3.213E-01	5.107E-01	3.153E-02	-0.426
HG-203	1.172E-01		2.313E-01	3.576E-01	2.118E-02	0.328
BI-207	-1.308E-01		1.469E-01	1.985E-01	1.443E-02	-0.659
BI-210M	-1.895E-02		2.498E-01	3.742E-01	2.225E-02	-0.051
PB-210	-8.785E+00		1.486E+00	5.474E-01	3.925E-02	-16.050
PB-211	7.066E-01		4.504E+00	6.831E+00	3.746E-01	0.103
RN-219	7.999E-01		2.009E+00	3.111E+00	1.695E-01	0.257
RA-223	-5.032E-02		3.020E+00	4.533E+00	2.523E-01	-0.011
RA-224	3.470E+01		4.553E+00	8.206E+00	5.212E-01	4.228
RA-225	0.000E+00		0.000E+00	8.181E-02	6.728E-03	0.000
RA-226	4.024E+00		8.138E+00	6.336E+00	1.160E+01	0.635
TH-227	6.678E+00		1.324E+00	2.332E+00	1.501E-01	2.864
TH-230	-1.103E+00		4.159E-01	6.034E-01	4.387E-02	-1.828
PA-231	4.031E+00		6.626E+00	8.461E+00	4.717E-01	0.476
TH-231	0.000E+00		0.000E+00	8.539E-02	1.322E-02	0.000
PA-233	-3.038E-01		5.828E-01	8.326E-01	1.787E-01	-0.365
PA-234	-2.583E-01		4.416E-01	7.173E-01	5.075E-02	-0.360
PA-234M	1.783E+01		1.816E+01	3.510E+01	2.175E+00	0.508
U-235	4.389E-01		8.476E-01	1.417E+00	2.383E-01	0.310
NP-237	-4.306E+00		1.184E+00	1.504E+00	1.024E-01	-2.863
AM-241	1.324E-01		3.062E-01	4.820E-01	2.969E-02	0.275

Nuclide	Half-life	Half-Life Ratio	Energy	%Abund	Activity 2-Sigma (pCi/gram)	%Error	Rejected by
GA-67	3.26D	8.75	93.31*	35.70	---	Not Found	Decay, Abun.
			208.95	2.24	2.089E+03	384.50	
			300.22	16.00	3.058E+02	398.59	
			% Abundances Found =		33.82		
SB-125	2.77Y	0.03	176.33	6.89	---	Not Found	Abun.
			427.89*	29.33	4.942E-01	121.74	
			463.38	10.35	---	Not Found	
			600.56	17.80	---	Not Found	
			635.90	11.32	---	Not Found	
% Abundances Found =		38.75					
SB-127	3.85D	7.41	473.00	25.00	---	Not Found	Abun.
			685.20*	35.70	9.234E+01	119.89	
			783.80	14.70	---	Not Found	
% Abundances Found =		47.35					
CS-134	2.06Y	0.04	563.23	8.38	2.573E+00	55.19	Abun.
			569.32	15.43	---	Not Found	
			604.70*	97.60	---	Not Found	
			795.84	85.40	---	Not Found	
			801.93	8.73	---	Not Found	
% Abundances Found =		3.89					
I-135	6.61H	103.58	1131.51	22.50	---	Not Found	Decay, Abun.
			1260.41*	28.60	---	Not Found	
			1678.03	9.54	3.837E+31	87.92	
% Abundances Found =		15.73					
LA-140	12.79D	2.23	328.77	20.50	2.993E+00	103.46	Abun.
			487.03	45.50	---	Not Found	
			815.85	23.50	---	Not Found	
			1596.49*	95.49	---	Not Found	
% Abundances Found =		11.08					
EU-152	13.60Y	0.01	121.78	20.50	---	Not Found	Abun.
			244.69	5.40	---	Not Found	
			344.27	19.13	---	Not Found	
			778.89	9.20	---	Not Found	
			964.01	10.40	1.886E+00	82.31	
			1085.78	7.22	---	Not Found	
			1112.02	9.60	---	Not Found	
1407.95*	14.94	---	Not Found				
% Abundances Found =		10.79					
EU-155	4.96Y	0.02	86.50*	30.90	---	Not Found	Abun.
			105.30	20.70	3.477E-01	113.74	
% Abundances Found =		40.12					
HO-166M	1200.00Y	0.00	184.41	72.60	---	Not Found	Abun.
			280.45	29.60	---	Not Found	
			410.94	11.10	9.937E-01	118.63	

Sample ID : 0611071-11

Acquisition date : 11-DEC-2006 11:39:41

Nuclide	Half-life	Half-Life		Energy	%Abund	Activity 2-Sigma		Rejected by	
		Ratio				(pCi/gram)	%Error		
HO-166M	1200.00Y	0.00		711.69*	54.10	---	Not Found	---	Abun.
		% Abundances	Found =		6.63				
IR-192	74.02D	0.39		308.46	29.68	4.055E-01	114.77		Abun.
		% Abundances	Found =	468.07*	48.10	---	Not Found	---	
BI-210M	2.60E+06Y	0.00		262.00*	45.00	---	Not Found	---	Abun.
		% Abundances	Found =	300.00	23.00	4.944E-01	88.98		
TH-230	7.70E+04Y	0.00		48.44*	16.90	---	Not Found	---	Abun.
		% Abundances	Found =	62.85	4.60	4.612E+00	87.07		
NP-239	2.36D	12.11		106.10*	22.70	1.392E+03	113.74		Decay, Abun.
		% Abundances	Found =	228.18	10.70	---	Not Found	---	
				277.60	14.10	---	Not Found	---	

Flag: "*" = Keyline

Spectrum : DKA100: [GAMMA.SCUSR.ARCHIVE]SMP_0611071111_GE1_GAS60_105401.CNF;1

Title :

Sample Title: B-4 (3-6)

Start Time: 11-DEC-2006 11:39

Sample Time: 13-NOV-2006 00:00

Energy Offset: -2.77714E-01

Real Time : 0 02:00:00.90

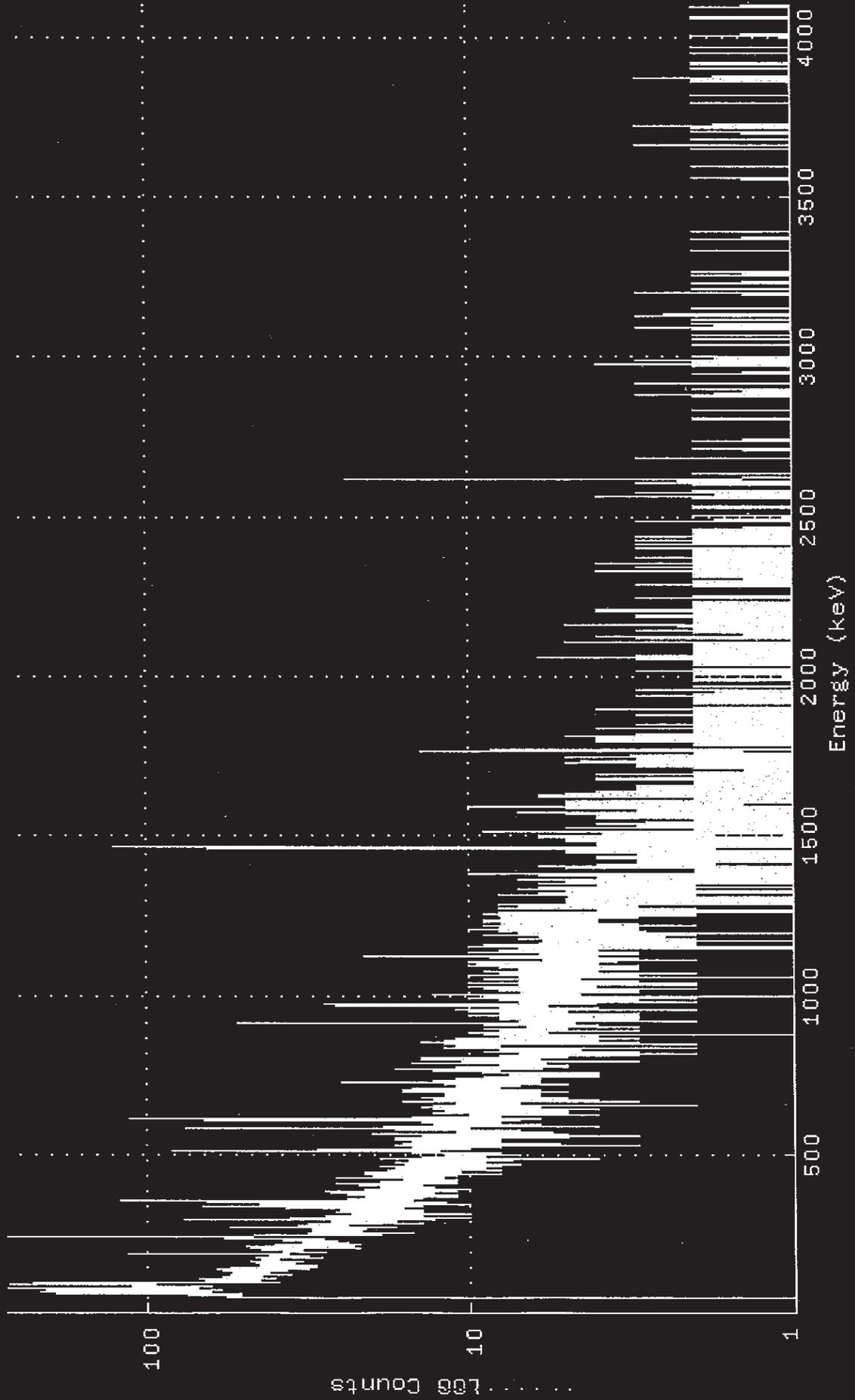
Sample ID : 0611071-11

Energy Slope : 9.99717E-01

Live Time : 0 02:00:00.00

Sample Type: SLUDGE

Energy Quad : 0.000000E+00



Channel

1:	0	0	0	0	0	0	0	0
9:	0	0	0	0	0	0	0	0
17:	0	0	0	0	0	0	0	0
25:	0	0	0	0	0	0	0	0
33:	0	0	0	0	0	0	0	0
41:	0	0	0	0	0	0	0	0
49:	0	43	56	53	73	74	57	62
57:	51	62	51	62	74	86	170	212
65:	110	69	69	76	63	67	74	59
73:	76	104	203	182	235	270	115	90
81:	74	63	86	83	92	75	99	123
89:	93	98	113	142	261	193	80	49
97:	39	68	67	46	56	48	46	45
105:	64	68	43	44	54	42	40	47
113:	58	44	57	54	57	42	45	41
121:	36	55	54	42	49	48	50	54
129:	47	47	45	58	37	44	43	60
137:	41	35	38	32	34	48	40	55
145:	47	44	30	40	31	45	40	30
153:	40	46	42	35	45	38	42	33
161:	37	48	39	41	48	39	39	44
169:	42	42	40	40	29	40	36	46
177:	35	39	42	35	33	32	37	40
185:	45	112	113	47	45	29	28	38
193:	38	34	31	42	39	38	44	37
201:	33	42	42	22	48	44	32	45
209:	40	49	47	23	31	33	30	34
217:	30	40	22	27	28	29	25	24
225:	33	27	38	30	29	37	26	31
233:	32	33	31	42	40	82	267	197
241:	76	63	55	40	24	30	19	21
249:	27	15	27	18	32	30	27	25
257:	31	24	24	26	22	21	30	31
265:	27	21	26	17	30	42	55	36
273:	29	29	25	26	24	34	30	22
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297:	45	10	28	36	35	31	22	28
305:	24	18	14	21	26	21	19	13
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321:	26	25	20	17	14	21	19	24
329:	37	21	21	21	16	22	25	14
337:	22	45	66	30	26	16	19	12
345:	10	14	19	19	23	14	40	106
353:	119	38	22	22	15	23	17	18
361:	16	24	15	13	12	21	20	11
369:	20	15	20	11	20	18	24	15
377:	16	13	13	21	27	19	18	28
385:	20	11	17	19	12	10	21	13
393:	15	15	18	17	19	13	14	22
401:	14	22	18	15	20	20	15	11
409:	18	26	26	12	19	14	15	15
417:	11	12	12	14	14	16	11	13
425:	18	17	14	26	20	20	13	11

433:	13	17	14	13	21	10	20	12
441:	8	14	15	15	15	12	21	11
449:	13	13	18	8	15	17	9	12
457:	13	14	13	13	8	9	17	19
465:	17	15	9	12	7	9	14	14
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481:	15	10	9	6	4	11	19	17
489:	12	9	14	11	11	9	9	12
497:	9	7	11	10	9	15	8	12
505:	10	14	10	15	16	42	63	83
513:	42	21	12	13	11	11	11	9
521:	12	15	8	9	15	9	14	17
529:	10	16	3	9	16	8	12	9
537:	14	15	9	8	14	10	9	17
545:	16	8	10	11	12	14	5	11
553:	17	14	9	10	11	14	13	5
561:	3	8	13	16	20	11	5	6
569:	9	11	9	11	8	7	10	17
577:	9	9	14	14	10	13	51	75
585:	38	9	16	9	6	4	9	6
593:	13	9	10	12	11	9	14	8
601:	9	14	12	8	12	19	15	7
609:	39	111	41	19	6	15	14	8
617:	11	10	14	8	15	6	9	8
625:	10	10	4	13	13	11	9	5
633:	6	7	12	8	7	11	5	9
641:	9	10	8	13	4	9	8	11
649:	14	8	12	9	9	2	12	13
657:	9	7	11	7	8	10	8	11
665:	11	16	4	3	10	8	9	13
673:	10	4	8	8	7	5	14	5
681:	12	6	7	8	12	12	12	12
689:	7	6	8	10	9	5	7	5
697:	6	16	13	10	9	6	7	11
705:	16	14	12	10	10	8	10	11
713:	9	7	11	11	9	12	6	5
721:	5	12	12	7	8	6	15	25
729:	14	12	10	8	11	10	6	11
737:	8	6	6	6	8	9	6	9
745:	9	4	6	6	4	7	7	7
753:	7	8	8	4	8	7	7	12
761:	8	8	8	13	9	7	9	12
769:	17	9	7	5	11	6	7	6
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841:	10	11	8	12	2	11	3	3
849:	4	4	4	5	5	3	14	6
857:	4	7	7	12	11	8	3	6
865:	11	6	5	6	7	7	6	8
873:	4	9	8	1	3	9	8	8
881:	6	10	7	8	8	4	7	8
889:	3	7	7	6	6	7	8	5
897:	9	5	5	6	5	3	5	5
905:	5	9	6	4	7	7	28	52

913:	34	12	11	2	6	2	7	5
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1177:	5	2	4	3	4	4	6	5
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1449:	4	0	1	0	5	1	3	2
1457:	8	5	9	43	96	125	48	5
1465:	3	1	1	1	4	1	0	3
1473:	1	0	4	3	1	2	1	0
1481:	0	5	1	3	1	2	2	5
1489:	1	0	0	6	2	2	2	1
1497:	3	6	2	4	3	5	3	1
1505:	3	3	2	1	3	9	0	3
1513:	6	0	1	2	2	1	2	0
1521:	2	1	1	1	2	5	0	2
1529:	0	3	3	1	1	2	4	4
1537:	3	4	2	0	2	1	2	2
1545:	0	2	2	1	1	0	1	3
1553:	4	0	3	2	4	0	1	1
1561:	1	1	2	1	2	2	3	5
1569:	2	1	5	1	1	7	1	0
1577:	0	3	0	1	2	3	1	5
1585:	1	2	3	3	10	3	1	1
1593:	2	3	5	2	3	2	1	4
1601:	5	3	1	3	0	2	1	1
1609:	5	3	1	1	2	0	2	1
1617:	1	6	0	3	6	1	6	0
1625:	3	2	2	1	0	1	4	5
1633:	3	2	1	1	2	4	4	1
1641:	0	0	1	0	3	1	0	1
1649:	1	0	0	3	2	0	1	3
1657:	0	1	1	2	2	2	1	1
1665:	0	0	1	2	1	1	1	2
1673:	1	2	4	4	1	2	2	1
1681:	4	2	2	2	2	0	1	1
1689:	1	0	0	0	1	4	0	0
1697:	2	0	2	2	0	1	1	1
1705:	0	1	2	1	1	1	1	1
1713:	2	1	1	0	1	3	3	1
1721:	1	1	1	2	0	0	1	0
1729:	3	5	4	2	2	1	4	3
1737:	2	0	0	3	2	0	2	3
1745:	1	1	0	5	2	0	0	1
1753:	1	0	0	2	2	2	0	1
1761:	2	2	3	5	14	12	6	0
1769:	0	4	1	0	0	0	1	0
1777:	1	1	1	0	2	2	1	2
1785:	2	1	2	1	1	0	3	4
1793:	1	2	0	3	1	4	3	1
1801:	1	0	0	0	4	3	2	1
1809:	1	1	4	0	5	3	2	1
1817:	3	2	0	1	1	0	2	0
1825:	1	2	1	1	1	1	0	1
1833:	4	0	1	0	1	2	2	1
1841:	0	0	1	0	3	0	2	2
1849:	2	0	2	0	0	2	1	0
1857:	2	1	1	2	0	0	1	0
1865:	0	0	2	0	0	1	1	2

1873:	0	1	0	3	0	1	0	2
1881:	0	1	1	2	1	1	2	1
1889:	2	2	0	2	1	0	3	1
1897:	4	1	2	1	0	2	1	0
1905:	1	0	0	1	1	1	0	1
1913:	1	2	0	2	2	0	1	1
1921:	0	2	1	1	0	0	0	2
1929:	2	2	1	2	2	1	0	2
1937:	0	1	3	2	2	0	1	1
1945:	0	1	1	0	0	1	1	1
1953:	3	1	1	1	1	1	1	1
1961:	0	1	0	0	0	1	2	1
1969:	2	0	0	0	0	1	1	1
1977:	1	1	1	1	1	0	1	0
1985:	1	2	0	0	1	1	1	2
1993:	0	1	0	0	1	1	1	0
2001:	1	1	0	1	0	2	1	0
2009:	0	2	0	1	2	0	1	0
2017:	3	1	1	0	2	2	1	0
2025:	1	1	1	0	0	1	1	2
2033:	0	1	1	1	1	1	1	2
2041:	1	0	1	0	2	1	1	0
2049:	1	0	2	2	3	0	0	1
2057:	0	0	6	0	3	0	2	0
2065:	1	3	1	1	1	0	1	2
2073:	1	0	0	0	2	0	1	2
2081:	2	0	1	0	2	0	1	1
2089:	2	0	0	1	0	0	2	0
2097:	0	1	2	0	2	1	2	2
2105:	2	5	0	1	1	1	1	1
2113:	0	0	0	1	1	3	1	1
2121:	4	1	1	0	0	1	0	1
2129:	0	0	1	1	2	0	1	0
2137:	1	1	1	0	0	2	3	3
2145:	1	2	0	1	0	1	1	0
2153:	1	1	0	1	5	1	2	0
2161:	1	3	1	2	2	1	0	2
2169:	0	2	0	0	2	0	1	1
2177:	2	1	1	0	3	0	0	1
2185:	0	0	0	1	1	0	3	0
2193:	1	1	1	0	2	1	0	0
2201:	0	0	2	4	1	4	2	0
2209:	1	4	0	1	0	2	1	0
2217:	2	2	0	2	1	0	2	1
2225:	1	2	1	1	0	0	1	2
2233:	2	0	0	0	1	0	1	0
2241:	1	2	3	1	1	1	2	0
2249:	1	1	1	0	0	0	1	1
2257:	0	1	0	1	1	1	1	1
2265:	1	0	1	0	1	0	0	1
2273:	1	1	0	1	1	0	2	1
2281:	2	0	3	1	0	1	1	1
2289:	1	0	1	2	0	1	2	1
2297:	0	2	1	0	1	1	1	0
2305:	0	1	2	2	0	0	1	1
2313:	2	0	0	2	0	1	1	1
2321:	1	1	1	1	4	1	1	1
2329:	0	2	2	1	2	1	1	1
2337:	0	3	1	1	1	1	1	0
2345:	1	0	2	1	0	0	0	1

2353:	1	4	1	0	1	0	0	0
2361:	1	2	0	2	0	1	3	0
2369:	0	0	2	1	0	0	2	0
2377:	2	1	2	2	1	0	1	2
2385:	1	2	2	2	0	2	1	0
2393:	2	0	0	1	3	0	0	0
2401:	2	1	0	1	0	1	1	1
2409:	0	2	3	1	1	1	1	1
2417:	0	2	0	0	3	2	1	0
2425:	0	0	0	0	2	2	1	0
2433:	3	1	1	2	1	0	0	2
2441:	1	0	1	2	0	1	0	2
2449:	2	1	0	1	1	1	2	0
2457:	1	1	1	1	1	2	1	1
2465:	0	0	0	1	0	1	0	1
2473:	0	0	1	1	1	0	0	0
2481:	1	0	2	0	2	3	0	0
2489:	0	0	1	0	0	1	0	0
2497:	1	1	0	2	0	2	1	0
2505:	0	0	1	0	1	1	0	0
2513:	0	1	0	0	0	1	1	1
2521:	0	1	0	0	0	0	1	2
2529:	0	1	2	2	1	0	0	0
2537:	1	0	0	0	0	0	0	0
2545:	0	0	0	0	1	0	0	1
2553:	1	2	0	0	1	0	4	0
2561:	1	0	2	1	1	0	0	0
2569:	1	0	3	1	0	1	0	1
2577:	0	2	1	1	0	0	1	0
2585:	1	0	1	0	0	1	1	1
2593:	1	0	1	0	2	1	2	1
2601:	1	1	1	2	0	3	0	0
2609:	0	1	1	1	5	8	24	15
2617:	6	2	1	0	1	1	1	0
2625:	0	0	1	1	0	0	0	0
2633:	0	2	0	0	1	1	0	0
2641:	0	0	0	0	0	1	0	0
2649:	1	1	0	0	0	0	1	1
2657:	1	1	0	0	0	1	0	0
2665:	0	1	1	0	0	1	0	0
2673:	0	0	0	0	0	1	0	0
2681:	1	3	0	1	0	1	0	0
2689:	0	0	0	0	0	0	1	0
2697:	1	0	1	0	0	1	0	0
2705:	0	0	1	0	2	0	1	1
2713:	1	0	1	1	0	0	0	0
2721:	0	1	0	1	0	1	0	0
2729:	0	0	0	1	0	0	1	0
2737:	2	1	1	0	0	0	0	1
2745:	0	1	1	1	0	0	0	1
2753:	1	1	0	0	1	1	0	0
2761:	1	0	0	1	0	1	0	0
2769:	0	0	0	1	1	0	0	1
2777:	0	0	0	0	1	0	0	1
2785:	0	0	0	1	0	0	1	1
2793:	0	0	0	0	1	0	0	0
2801:	0	2	1	2	0	0	0	0
2809:	0	0	0	0	0	1	0	0
2817:	0	1	1	1	0	0	1	0
2825:	1	0	0	1	1	0	2	2

2833:	0	0	0	0	0	0	0	0	0
2841:	0	0	0	0	1	0	0	0	0
2849:	0	0	1	0	0	0	1	0	0
2857:	1	0	0	0	1	1	1	0	0
2865:	0	1	0	1	1	1	1	0	0
2873:	0	2	0	0	1	0	1	0	0
2881:	3	0	0	1	1	1	0	0	0
2889:	1	0	1	0	0	2	0	2	2
2897:	0	0	1	1	1	1	1	1	1
2905:	0	1	0	0	0	0	0	0	0
2913:	0	3	0	0	1	0	0	0	0
2921:	1	0	1	0	0	0	1	0	0
2929:	0	1	0	0	0	1	1	0	0
2937:	1	0	0	1	0	1	1	0	0
2945:	0	1	2	0	1	1	0	1	1
2953:	1	1	0	0	0	0	0	0	0
2961:	0	1	0	0	0	1	0	1	1
2969:	0	0	0	4	0	2	1	0	0
2977:	0	2	1	0	0	0	0	0	0
2985:	0	1	1	0	3	0	0	0	0
2993:	0	1	0	2	0	0	0	1	1
3001:	0	1	0	1	0	0	0	0	0
3009:	1	0	0	0	0	0	0	0	0
3017:	1	0	1	1	0	0	1	0	1
3025:	1	0	0	0	0	0	0	0	0
3033:	0	2	0	1	0	1	0	1	1
3041:	0	1	1	0	0	1	0	1	1
3049:	0	0	0	1	2	1	0	0	0
3057:	0	1	0	0	1	0	0	1	1
3065:	2	1	0	0	0	1	0	1	1
3073:	1	0	0	0	0	0	0	0	0
3081:	0	0	0	0	2	0	0	1	1
3089:	2	1	3	1	1	0	1	0	0
3097:	0	0	2	1	2	0	0	0	0
3105:	0	0	0	0	1	0	2	1	1
3113:	1	1	0	0	0	0	0	1	1
3121:	0	1	0	1	1	0	3	2	2
3129:	1	0	0	1	0	0	0	0	0
3137:	0	0	1	0	1	0	1	0	0
3145:	1	0	0	0	0	2	1	0	0
3153:	1	0	0	0	1	0	0	0	0
3161:	0	0	1	1	0	1	0	0	0
3169:	0	0	0	0	0	1	0	0	0
3177:	0	1	0	1	0	1	0	0	0
3185:	0	0	0	0	0	0	1	1	1
3193:	0	2	0	0	0	3	1	0	0
3201:	0	1	0	0	0	0	2	0	0
3209:	0	0	1	0	1	0	1	0	0
3217:	1	0	0	0	0	0	0	0	0
3225:	1	0	1	1	2	0	0	0	0
3233:	0	0	0	0	0	0	0	1	1
3241:	0	1	0	0	0	0	0	0	0
3249:	0	2	0	0	0	1	0	0	0
3257:	1	0	1	2	0	0	1	0	0
3265:	0	0	1	0	1	0	0	0	0
3273:	1	0	1	0	1	0	0	0	0
3281:	1	1	0	0	1	0	0	1	1
3289:	0	0	0	0	0	1	0	0	0
3297:	0	0	0	0	0	0	1	0	0
3305:	1	1	1	1	0	0	1	0	0

3313:	0	0	1	0	1	0	1	0
3321:	0	0	0	0	1	0	1	1
3329:	0	2	0	0	1	0	0	0
3337:	0	0	0	1	0	0	0	0
3345:	0	0	0	0	1	0	0	0
3353:	1	0	0	0	0	0	0	0
3361:	0	1	0	0	1	1	2	0
3369:	0	0	1	1	0	0	0	0
3377:	1	0	0	0	0	0	0	0
3385:	0	1	0	1	0	2	0	0
3393:	1	1	1	0	0	0	0	0
3401:	0	0	0	1	0	0	0	0
3409:	0	1	0	0	0	0	0	0
3417:	0	0	0	0	0	0	0	0
3425:	0	0	0	1	0	0	0	1
3433:	0	0	1	1	1	1	0	1
3441:	0	0	0	0	0	0	0	0
3449:	1	0	0	0	0	0	0	0
3457:	0	0	1	0	0	0	1	0
3465:	0	0	1	0	1	0	0	0
3473:	0	0	0	0	1	1	0	0
3481:)	0	0	0	0	1	0	0	0
3489:	0	0	0	1	0	0	1	0
3497:	0	0	0	0	0	0	0	0
3505:	1	0	0	1	0	0	0	0
3513:	0	0	0	0	1	0	0	0
3521:	0	0	1	1	0	1	0	0
3529:	0	0	0	1	0	0	0	0
3537:	0	1	0	0	1	1	0	0
3545:	1	0	1	0	0	0	0	0
3553:	0	2	0	0	0	0	1	0
3561:	1	0	0	0	0	0	0	0
3569:	0	0	0	0	1	0	0	0
3577:	0	0	0	0	0	0	0	0
3585:	0	1	1	0	0	0	1	2
3593:	0	0	0	0	1	0	0	1
3601:	0	0	0	0	0	0	1	0
3609:	0	0	0	0	0	0	1	0
3617:	0	0	0	1	1	0	0	0
3625:	1	0	0	0	0	0	0	0
3633:	0	0	1	0	0	0	0	0
3641:	0	0	0	0	1	2	0	0
3649:	0	0	0	0	0	0	0	0
3657:	3	0	0	1	0	0	1	0
3665:	0	1	0	0	1	0	0	0
3673:	0	1	0	2	0	0	1	0
3681:	0	0	0	0	1	0	0	1
3689:	0	0	0	1	0	0	0	0
3697:	1	2	0	0	0	0	0	0
3705:	0	0	0	0	0	0	0	0
3713:	2	1	0	0	0	0	1	0
3721:	3	0	0	0	0	0	0	1
3729:	0	0	1	1	0	0	0	1
3737:	0	0	0	1	0	0	0	0
3745:	0	0	0	0	0	0	0	0
3753:	1	0	1	0	0	0	0	0
3761:	0	1	0	1	0	0	0	1
3769:	0	0	0	0	1	0	0	0
3777:	0	1	1	1	1	1	0	1
3785:	0	0	0	0	0	1	0	2

3793:	0	0	1	0	0	0	0	0
3801:	0	0	0	1	1	0	0	0
3809:	0	0	0	0	0	1	0	2
3817:	0	0	0	0	0	0	0	0
3825:	1	0	0	0	1	0	0	0
3833:	0	0	0	1	0	0	0	0
3841:	0	0	1	0	1	0	1	0
3849:	0	1	1	1	1	0	0	0
3857:	2	0	1	2	0	1	0	0
3865:	0	1	0	1	1	0	3	1
3873:	0	0	0	1	0	0	0	0
3881:	1	1	0	1	0	0	1	1
3889:	0	0	0	0	0	0	0	0
3897:	2	0	0	0	0	0	0	1
3905:	0	0	0	0	0	0	1	0
3913:	2	0	0	0	0	2	0	0
3921:	0	0	0	0	0	0	0	1
3929:	0	0	0	0	0	0	0	0
3937:	0	0	0	0	0	0	1	0
3945:	0	2	1	1	0	1	0	1
3953:	0	0	0	0	0	0	0	0
3961:	0	1	1	0	2	0	1	1
3969:	0	0	0	0	1	0	0	0
3977:	0	0	0	0	1	0	1	0
3985:	0	0	0	0	0	0	0	0
3993:	0	0	1	0	0	0	0	0
4001:	2	0	2	0	0	0	0	0
4009:	1	1	0	0	0	0	0	0
4017:	1	0	0	0	1	0	0	0
4025:	0	1	0	0	0	0	1	0
4033:	0	0	0	0	0	0	0	0
4041:	0	0	0	0	0	0	0	0
4049:	1	0	1	0	0	0	0	2
4057:	0	0	0	2	0	0	0	0
4065:	0	1	0	1	0	0	0	1
4073:	0	0	0	0	1	0	0	0
4081:	0	0	0	0	0	0	1	0
4089:	0	1	0	0	2	0	0	0

Sample ID : 0611071-12

Acquisition date : 11-DEC-2006 11:41:01

JD 12/11/06

VAX/VMS Peak Search Report Generated 11-DEC-2006 13:41:16.36

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107112_GE2_GAS60_105402.CN
 Analyses by : PEAK V16.9 ENBACK V1.6 PEAKEFF V2.2
 Client ID : B-5 (0-6)
 Deposition Date :
 Sample Date : 13-NOV-2006 00:00:00 Acquisition date : 11-DEC-2006 11:41:01
 Sample ID : 0611071-12 Sample Quantity : 4.25400E+01 gram
 Sample type : SLUDGE Sample Geometry : 0
 Detector name : GE2 Detector Geometry: GAS-60
 Elapsed live time: 0 02:00:00.00 Elapsed real time: 0 02:00:00.90 0.0%
 Start channel : 5 End channel : 4096
 Sensitivity : 2.40000 Gaussian : 15.00000
 Critical level : Yes

Post-NID Peak Search Report

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
0	63.24*	107	561	1.44	62.09	57	10	90.6		TH-234
0	76.51*	422	686	3.02	75.36	70	11	26.9		
3	238.66	261	162	1.85	237.50	234	12	20.1	5.24E+00	PB-212
1	290.33	22	46	1.86	289.17	288	10	82.7	5.94E+00	
1	295.04*	105	128	1.80	293.88	288	10	39.8		PB-214
0	338.44*	56	176	1.44	337.28	333	9	91.2		
0	351.61*	256	170	1.72	350.45	345	10	23.9		PB-214
0	392.33	40	97	1.98	391.16	388	8	91.7		SN-113
0	400.67	24	73	1.22	399.50	397	6	121.2		RN-219
0	455.69	40	101	4.95	454.53	451	9	95.2		
0	463.75	27	81	1.40	462.58	459	7	119.4		
0	481.43	22	54	2.69	480.26	478	5	107.6		
2	517.78	25	51	2.22	516.61	506	14	110.3	2.31E+00	
0	582.42*	59	115	2.26	581.25	576	12	79.0		TL-208
1	609.23*	150	54	2.00	608.06	599	25	23.9	2.38E+00	BI-214
1	612.57	22	63	2.29	611.40	599	25	165.5		
0	772.72	16	30	2.98	771.54	770	5	115.5		
0	804.30	29	57	3.41	803.12	798	10	105.7		
0	856.43	71	149	14.97	855.25	842	3	104.1		
0	885.99	26	44	2.89	884.81	878	1	106.3		
1	904.39	15	41	2.23	903.20	899	15	145.2	1.53E+00	
1	911.09*	51	32	2.23	909.90	899	15	51.0		
6	983.78	22	15	3.65	982.59	980	24	65.5	2.99E+00	
6	1000.41	21	27	3.66	999.23	980	24	105.0		PA-234M
0	1120.56	40	58	2.43	1119.37	1115	10	77.4		BI-214
0	1204.55	13	18	1.57	1203.36	1201	7	122.9		
0	1244.78	16	12	1.50	1243.59	1241	7	87.0		
0	1360.64	16	6	1.78	1359.44	1356	7	75.3		
0	1461.01*	150	15	2.42	1459.81	1454	13	20.7		K-40
5	1529.54	9	5	3.48	1528.34	1526	9	86.6	3.66E+00	
5	1533.32	12	5	3.47	1532.12	1526	9	90.2		
0	1542.60	32	8	7.26	1541.40	1535	15	52.0		
0	1553.36	12	5	2.76	1552.16	1550	6	80.0		
0	1643.34	6	4	1.77	1642.14	1639	5	139.0		
0	1662.20	9	4	2.70	1661.00	1659	5	101.8		
0	1697.36	12	10	1.22	1696.16	1691	10	117.8		

*AG
12/12/06*

Sample ID : 0611071-12

Acquisition date : 11-DEC-2006 11:41:01

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
0	1764.30*	32	2	1.98	1763.10	1758	10	44.7		BI-214
0	1810.63	10	6	4.39	1809.43	1805		8103.9		
0	1833.26	9	3	7.79	1832.06	1826	11	93.9		
0	1953.81	6	2	1.99	1952.61	1949		7103.3		
0	2190.34	7	2	1.90	2189.15	2184		9108.9		
0	2304.19	6	0	2.88	2303.00	2300	6	81.6		
0	2614.42*	22	5	2.43	2613.24	2609	9	64.4		TL-208

Summary of Nuclide Activity

Sample ID : 0611071-12

Acquisition date : 11-DEC-2006 11:41:01

Total number of lines in spectrum 43
 Number of unidentified lines 26
 Number of lines tentatively identified by NID 17 39.53%

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/gram	Decay Corr pCi/gram			
K-40	1.28E+09Y	1.00	2.110E+01	2.110E+01	0.463E+01	21.94	
TL-208	1.41E+10Y	1.00	1.382E+00	1.382E+00	0.695E+00	50.33	
PB-212	1.41E+10Y	1.00	2.169E+00	2.169E+00	0.547E+00	25.21	
BI-214	1602.00Y	1.00	2.660E+00	2.660E+00	0.579E+00	21.77	
PB-214	1602.00Y	1.00	2.946E+00	2.946E+00	0.708E+00	24.03	
RN-219	3.28E+04Y	1.00	2.011E+00	2.011E+00	2.445E+00	121.55	
PA-234M	4.47E+09Y	1.00	2.578E+01	2.578E+01	2.712E+01	105.23	
TH-234	4.47E+09Y	1.00	7.624E+00	7.624E+00	6.927E+00	90.87	
Total Activity :			6.567E+01	6.567E+01			

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/gram	Decay Corr pCi/gram			
SN-113	115.10D	1.19	3.327E-01	3.950E-01	3.642E-01	92.19	
Total Activity :			3.327E-01	3.950E-01			

Grand Total Activity : 6.600E+01 6.606E+01

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
K-40	1460.81	10.67*	5.877E-01	2.110E+01	2.110E+01	21.94	OK
Final Mean for 1 Valid Peaks = 2.110E+01 +/- 4.629E+00 (21.94%)							
TL-208	583.14	30.22*	1.191E+00	1.448E+00	1.448E+00	79.64	OK
	860.37	4.48	8.755E-01	-----	Line Not Found	-----	Absent
	2614.66	35.85	3.978E-01	1.344E+00	1.344E+00	64.88	OK
Final Mean for 2 Valid Peaks = 1.382E+00 +/- 6.954E-01 (50.33%)							
PB-212	238.63	44.60*	2.379E+00	2.169E+00	2.169E+00	25.21	OK
	300.09	3.41	2.012E+00	-----	Line Not Found	-----	Absent
Final Mean for 1 Valid Peaks = 2.169E+00 +/- 5.468E-01 (25.21%)							
BI-214	609.31	46.30*	1.150E+00	2.488E+00	2.489E+00	25.88	OK
	1120.29	15.10	7.149E-01	3.241E+00	3.241E+00	77.70	OK
	1764.49	15.80	5.142E-01	3.438E+00	3.438E+00	45.24	OK
	2204.22	4.98	4.429E-01	-----	Line Not Found	-----	Absent
Final Mean for 3 Valid Peaks = 2.660E+00 +/- 5.790E-01 (21.77%)							
PB-214	295.21	19.19	2.037E+00	2.374E+00	2.374E+00	44.64	OK
	351.92	37.19*	1.780E+00	3.406E+00	3.407E+00	27.92	OK
Final Mean for 2 Valid Peaks = 2.946E+00 +/- 7.078E-01 (24.03%)							
RN-219	401.80	6.50*	1.604E+00	2.011E+00	2.011E+00	121.55	OK
Final Mean for 1 Valid Peaks = 2.011E+00 +/- 2.445E+00 (121.55%)							
PA-234M	1001.03	0.92*	7.788E-01	2.578E+01	2.578E+01	105.23	OK
Final Mean for 1 Valid Peaks = 2.578E+01 +/- 2.712E+01 (105.23%)							
TH-234	63.29	3.80*	3.254E+00	7.624E+00	7.624E+00	90.87	OK
Final Mean for 1 Valid Peaks = 7.624E+00 +/- 6.927E+00 (90.87%)							

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/gram	Decay Corr pCi/gram	2-Sigma %Error	Status
SN-113	255.12	1.93	2.268E+00	-----	Line Not Found	-----	Absent
	391.69	64.90*	1.636E+00	3.327E-01	3.950E-01	92.19	OK
Final Mean for 1 Valid Peaks = 3.950E-01 +/- 3.642E-01 (92.19%)							

---- Identified Nuclides ----

Nuclide	Activity (pCi/gram)	Act error	MDA (pCi/gram)	MDA error	Act/MDA
K-40	2.110E+01	4.629E+00	2.877E+00	2.028E-01	7.332
SN-113	3.950E-01	3.642E-01	4.614E-01	4.269E-02	0.856
TL-208	1.382E+00	6.954E-01	8.847E-01	8.600E-02	1.562
PB-212	2.169E+00	5.468E-01	4.610E-01	6.977E-02	4.706
BI-214	2.660E+00	5.790E-01	6.531E-01	6.332E-02	4.073
PB-214	2.946E+00	7.078E-01	6.045E-01	8.661E-02	4.874
RN-219	2.011E+00	2.445E+00	3.739E+00	3.394E-01	0.538
PA-234M	2.578E+01	2.712E+01	3.523E+01	2.316E+00	0.732
TH-234	7.624E+00	6.927E+00	5.538E+00	3.550E-01	1.377

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
BE-7	5.171E-01		2.329E+00	3.841E+00	3.658E-01	0.135
NA-22	-4.691E-02		1.984E-01	3.452E-01	2.308E-02	-0.136
AL-26	-1.895E-02		2.108E-01	3.564E-01	2.227E-02	-0.053
CR-51	-1.716E+00		2.753E+00	4.749E+00	8.570E-01	-0.361
MN-54	1.167E-01		1.980E-01	3.735E-01	2.825E-02	0.312
CO-56	1.041E-01		2.631E-01	4.719E-01	3.480E-02	0.221
CO-57	5.999E-02		1.424E-01	2.394E-01	1.838E-02	0.251
CO-58	-1.469E-02		2.399E-01	3.847E-01	3.057E-02	-0.038
FE-59	3.448E-01		5.297E-01	1.021E+00	7.615E-02	0.338
CO-60	-3.761E-02		2.093E-01	3.632E-01	2.360E-02	-0.104
ZN-65	-1.585E-01		5.051E-01	7.627E-01	5.007E-02	-0.208
SE-75	2.292E-02		2.511E-01	4.545E-01	8.635E-02	0.050
RB-83	1.864E-01		4.458E-01	7.521E-01	1.221E-01	0.248
KR-85	8.218E+01		4.354E+01	8.469E+01	8.171E+00	0.970
SR-85	4.849E-01		2.569E-01	4.997E-01	4.822E-02	0.970
Y-88	6.486E-02		1.747E-01	3.508E-01	2.170E-02	0.185
NB-93M	0.000E+00		0.000E+00	2.523E+00	4.861E+00	0.000
NB-94	8.237E-03		2.028E-01	3.271E-01	2.280E-02	0.025
NB-95	5.446E-01		3.650E-01	6.763E-01	5.769E-02	0.805
NB-95M	1.708E+02		1.497E+02	2.361E+02	3.478E+01	0.723
ZR-95	1.276E-02		4.651E-01	8.312E-01	7.904E-02	0.015
RU-103	-8.372E-02		2.918E-01	5.122E-01	7.569E-02	-0.163
RU-106	3.163E-01		2.068E+00	3.372E+00	4.741E-01	0.094
AG-108M	-1.557E-01		2.101E-01	3.492E-01	3.148E-02	-0.446
CD-109	-5.724E+00		4.070E+00	6.259E+00	6.429E-01	-0.915
AG-110M	-1.999E-01		2.126E-01	3.480E-01	3.330E-02	-0.575
TE123M	-1.522E-01		1.632E-01	2.530E-01	1.699E-02	-0.601
SB-124	4.066E-02		2.409E-01	4.368E-01	4.240E-02	0.093
I-125	1.416E+01		4.980E+00	9.038E+00	1.116E+00	1.567
SB-125	-3.921E-01		4.582E-01	7.726E-01	7.275E-02	-0.508
SB-126	9.675E-01		1.714E+00	3.194E+00	2.886E-01	0.303
SN-126	-6.110E-01		3.855E-01	5.891E-01	4.922E-02	-1.037
SB-127	8.472E-01		7.413E+01	1.340E+02	1.256E+01	0.006
I-129	-1.731E+00		4.619E-01	7.277E-02	1.359E-02	-23.784

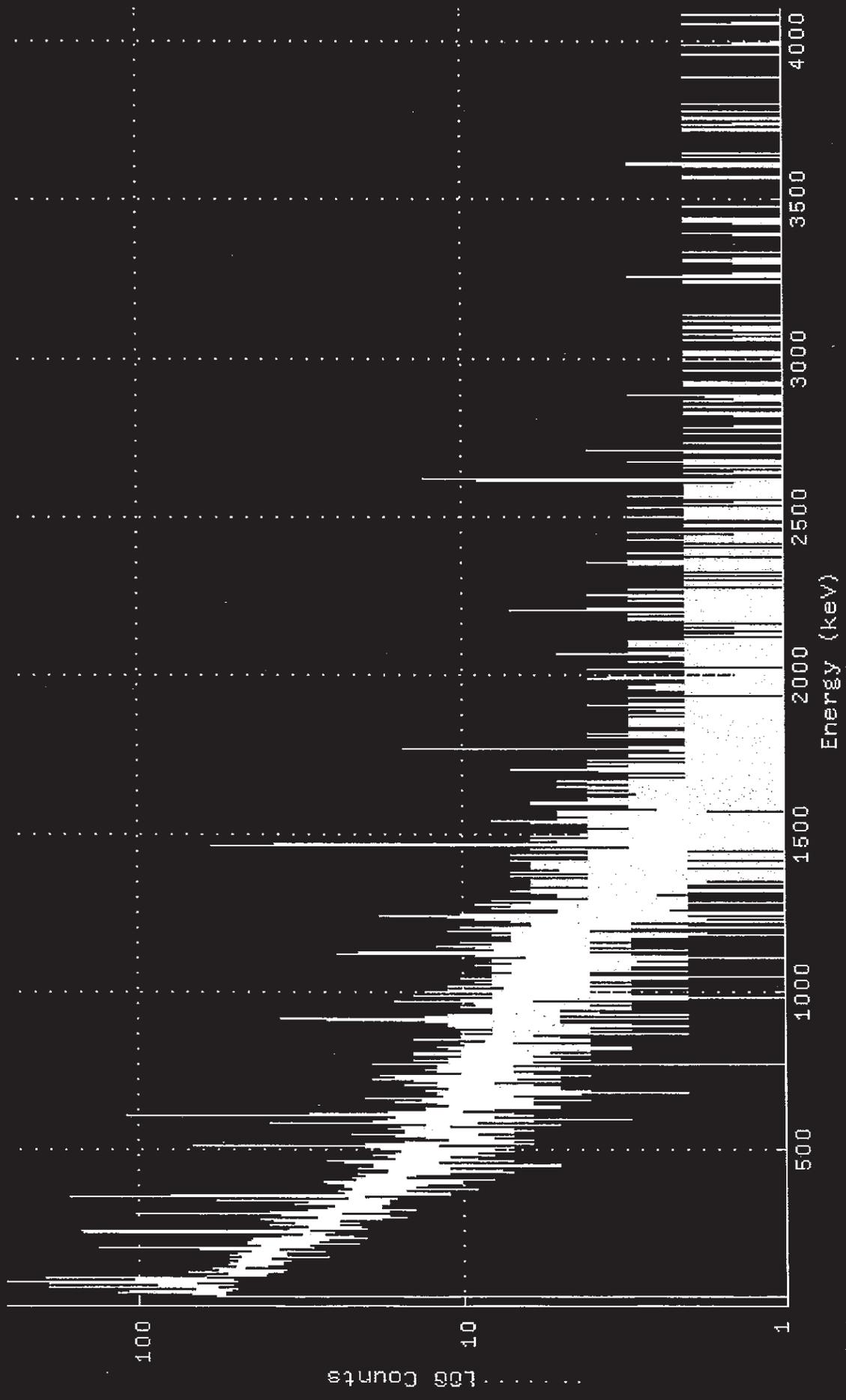
---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/gram)	K.L. Ided	Act error	MDA (pCi/gram)	MDA error	Act/MDA
I-131	-1.216E-01		1.939E+00	3.480E+00	4.441E-01	-0.035
BA-133	-1.010E-02		2.386E-01	3.869E-01	6.603E-02	-0.026
CS-134	-1.317E-02		1.752E-01	3.120E-01	3.033E-02	-0.042
CS-135	2.856E-01		8.196E-01	1.497E+00	2.923E-01	0.191
CS-136	-9.766E-02		1.133E+00	2.003E+00	1.385E-01	-0.049
CS-137	5.934E-02		2.315E-01	4.185E-01	4.005E-02	0.142
CE-139	-1.736E-01		1.769E-01	2.730E-01	1.779E-02	-0.636
BA-140	-9.353E-01		2.860E+00	4.984E+00	1.666E+00	-0.188
LA-140	9.509E-02		9.680E-01	1.779E+00	1.176E-01	0.053
CE-141	-9.958E-02		4.568E-01	7.280E-01	1.704E-01	-0.137
CE-144	-1.931E-01		1.108E+00	1.807E+00	1.334E-01	-0.107
PM-144	-2.014E-02		1.849E-01	3.279E-01	3.042E-02	-0.061
PM-145	-1.028E-01		1.092E+00	1.826E+00	1.196E+00	-0.056
PM-146	3.475E-01		3.880E-01	6.819E-01	6.419E-02	0.510
ND-147	-1.310E+00		6.592E+00	1.172E+01	1.135E+00	-0.112
EU-152	2.983E-01		1.287E+00	2.405E+00	2.288E-01	0.124
GD-153	-6.965E-02		5.203E-01	8.553E-01	6.826E-02	-0.081
EU-154	-1.336E-01		5.499E-01	9.560E-01	6.392E-02	-0.140
EU-155	4.068E-01		4.195E-01	7.174E-01	5.917E-02	0.567
EU-156	-1.388E+00		6.417E+00	1.004E+01	2.267E+00	-0.138
HO-166M	8.272E-02		3.311E-01	6.047E-01	5.518E-02	0.137
IR-192	-2.707E-02		4.286E-01	6.906E-01	6.549E-02	-0.039
HG-203	-2.975E-02		2.641E-01	4.567E-01	9.768E-02	-0.065
BI-207	1.153E-01		1.709E-01	3.207E-01	3.118E-02	0.359
BI-210M	-8.424E-02		3.209E-01	5.116E-01	9.499E-02	-0.165
PB-210	1.553E+00		4.743E+00	7.831E+00	6.192E-01	0.198
PB-211	-7.784E-01		5.224E+00	8.364E+00	7.611E-01	-0.093
BI-212	-6.227E-01		1.696E+00	2.898E+00	2.599E-01	-0.215
RA-223	-1.028E+00		3.575E+00	6.316E+00	1.102E+00	-0.163
RA-224	1.914E+01		5.258E+00	8.386E+00	1.297E+00	2.283
RA-225	8.395E-01		2.530E+00	4.310E+00	4.254E-01	0.195
RA-226	6.765E+00		1.327E+01	8.463E+00	1.550E+01	0.799
TH-227	2.765E+00		1.458E+00	2.342E+00	3.459E-01	1.181
AC-228	1.950E+00	+	1.003E+00	1.779E+00	1.158E-01	1.096
TH-230	1.609E+00		9.709E-01	1.722E+00	1.347E-01	0.934
PA-231	1.326E+00		6.418E+00	1.056E+01	2.053E+00	0.126
TH-231	0.000E+00		0.000E+00	2.439E-01	7.111E-02	0.000
PA-233	3.890E-01		7.168E-01	1.315E+00	3.661E-01	0.296
PA-234	-4.839E-01		5.438E-01	8.503E-01	6.326E-02	-0.569
U-235	-6.095E-01		1.126E+00	1.756E+00	2.954E-01	-0.347
NP-237	9.849E-01		1.017E+00	1.740E+00	1.435E-01	0.566
AM-241	1.350E-01		3.977E-01	6.236E-01	3.876E-02	0.216

Nuclide	Half-life	Half-Life		Energy	%Abund	Activity 2-Sigma		Rejected by	
		Ratio				(pCi/gram)	%Error		
SE-75	119.78D	0.24		121.11	16.70	---	Not Found	---	Abun.
				136.00	59.20	---	Not Found	---	
				264.65*	59.80	---	Not Found	---	
				279.53	25.20	---	Not Found	---	
				400.65	11.40	1.349E+00	121.75		
% Abundances Found =				6.62					
AG-110M	249.85D	0.11		657.75*	93.14	---	Not Found	---	Abun.
				677.61	10.53	---	Not Found	---	
				706.67	16.46	---	Not Found	---	
				763.93	21.98	---	Not Found	---	
				884.67	71.63	4.047E-01	106.54		
% Abundances Found =				30.14					
SB-125	2.77Y	0.03		176.33	6.89	---	Not Found	---	Abun.
				427.89*	29.33	---	Not Found	---	
				463.38	10.35	1.624E+00	119.87		
				600.56	17.80	---	Not Found	---	
				635.90	11.32	---	Not Found	---	
% Abundances Found =				13.67					
AC-228	1.41E+10Y	0.00		338.32	11.40	2.382E+00	92.58	Abun.	
				911.07*	27.70	1.950E+00	51.41		
				969.11	16.60	---	Not Found		---
% Abundances Found =				70.20					
TH-230	7.70E+04Y	0.00		48.44*	16.90	---	Not Found	---	Abun.
				62.85	4.60	6.324E+00	90.87		
% Abundances Found =				21.40					

Flag: "*" = Keyline

Spectrum : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_061107112_GE2_GAS60_105402.CNF;1
 Title :
 Sample Title: B-5 (0-6)
 Start Time: 11-DEC-2006 11:41 Sample Time: 13-NOV-2006 00:00 Energy Offset: 1.139666E+00
 Real Time : 0 02:00:00.90 Sample ID : 0611071-12 Energy Slope : 1.000007E+00
 Live Time : 0 02:00:00.00 Sample Type: SLUDGE Energy Quad : -2.04685E-08



Channel

1:	0	0	0	0	0	0	0	0
9:	0	0	0	0	0	0	0	0
17:	0	0	0	0	0	0	0	0
25:	0	0	0	0	0	0	1	57
33:	55	59	54	65	57	62	68	60
41:	67	62	55	54	115	98	56	66
49:	59	52	59	66	57	66	60	50
57:	59	57	71	66	77	187	111	69
65:	71	64	51	77	78	67	69	66
73:	122	188	119	255	104	73	58	58
81:	50	52	97	59	61	102	81	64
89:	96	66	173	193	71	53	48	43
97:	49	41	55	51	49	45	40	52
105:	50	47	50	36	58	41	70	40
113:	35	56	39	42	47	48	59	47
121:	47	48	55	45	47	50	41	43
129:	41	39	36	39	53	46	40	42
137:	52	37	36	38	37	44	48	34
145:	45	49	43	43	47	39	52	46
153:	51	45	44	26	40	31	31	52
161:	35	41	36	39	39	35	35	47
169:	49	40	41	35	45	27	43	38
177:	43	42	39	38	37	40	49	84
185:	132	42	39	29	47	37	30	33
193:	32	35	34	35	39	46	33	21
201:	42	32	28	46	39	32	30	45
209:	42	26	35	30	27	27	40	44
217:	30	20	38	25	36	25	22	27
225:	27	31	31	29	31	27	28	25
233:	28	27	26	26	147	148	41	53
241:	54	30	33	34	24	29	22	25
249:	20	21	24	24	30	27	30	28
257:	39	24	26	26	36	28	26	21
265:	33	27	21	34	33	32	38	24
273:	27	36	19	42	18	28	23	18
281:	15	20	28	17	23	26	22	23
289:	36	21	17	33	39	100	52	26
297:	24	33	39	27	30	20	17	21
305:	30	17	14	20	23	26	23	23
313:	25	18	24	21	19	19	24	18
321:	19	33	17	23	22	24	29	30
329:	25	24	20	17	20	19	17	26
337:	57	35	27	19	21	20	19	19
345:	16	25	26	25	33	100	161	39
353:	18	21	12	11	16	15	23	18
361:	17	15	11	22	24	16	21	15
369:	16	22	18	19	17	19	9	23
377:	19	17	14	20	14	20	23	13
385:	17	21	19	10	26	25	17	15
393:	17	17	10	11	14	12	27	17
401:	11	16	8	16	18	18	15	22
409:	17	18	21	16	14	15	20	16
417:	17	20	11	14	14	21	17	17
425:	11	8	15	11	7	8	13	15

433:	15	9	17	13	16	18	12	21
441:	12	10	19	5	14	11	19	5
449:	12	7	9	12	19	16	23	13
457:	21	16	12	16	18	26	13	16
465:	7	13	14	11	16	14	9	17
473:	12	11	15	15	15	12	19	18
481:	19	8	10	16	9	9	12	15
489:	13	13	15	14	7	10	14	17
497:	13	15	8	15	18	12	20	11
505:	11	7	7	24	58	67	42	12
513:	13	12	16	8	20	11	6	8
521:	15	13	7	15	11	8	11	11
529:	6	10	8	13	12	11	10	8
537:	13	12	7	10	16	14	11	11
545:	16	9	9	22	10	9	15	11
553:	7	14	11	10	15	7	8	6
561:	8	9	12	11	7	12	17	14
569:	13	12	12	12	11	11	5	11
577:	10	9	13	13	25	39	28	9
585:	10	10	11	11	11	6	19	8
593:	3	12	11	17	9	10	8	12
601:	15	16	8	10	6	10	27	108
609:	52	17	21	12	7	7	7	15
617:	13	13	10	17	12	9	8	10
625:	8	12	13	8	6	5	13	12
633:	8	8	9	11	5	7	10	12
641:	12	12	9	6	8	9	6	12
649:	6	7	16	11	5	4	6	8
657:	10	15	12	14	20	12	6	9
665:	7	10	7	7	11	12	5	5
673:	9	9	9	2	9	4	12	6
681:	10	4	6	6	8	13	7	7
689:	5	11	11	9	10	11	5	7
697:	11	10	12	11	6	10	15	14
705:	9	9	9	8	10	8	11	13
713:	8	5	14	7	8	19	9	9
721:	12	8	9	5	12	16	8	11
729:	10	4	10	18	10	11	8	10
737:	6	8	6	10	8	8	12	7
745:	10	7	10	9	5	10	12	9
753:	13	7	11	5	8	12	7	7
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777:	8	6	9	4	14	8	5	11
785:	11	6	8	8	5	9	6	9
793:	6	10	9	5	8	4	6	7
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809:	4	10	4	6	5	9	3	8
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825:	12	8	4	8	4	5	8	7
833:	10	10	7	8	9	8	7	7
841:	4	4	5	9	12	14	7	7
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857:	9	7	10	9	7	6	8	7
865:	2	4	5	6	7	10	7	4
873:	7	8	7	4	5	3	7	4
881:	7	6	5	7	10	11	8	2
889:	6	11	3	7	10	6	11	3
897:	10	6	7	5	7	6	13	7
905:	11	7	9	5	19	36	17	6

913:	2	6	6	5	13	5	8	5
921:	7	7	4	7	5	11	2	7
929:	5	5	5	8	5	8	5	5
937:	6	5	7	8	3	6	3	8
945:	4	5	3	6	7	10	7	6
953:	6	9	6	5	4	5	3	4
961:	4	3	7	12	6	6	11	16
969:	8	7	2	5	4	4	10	2
977:	5	1	5	1	8	2	14	9
985:	7	6	5	4	8	6	5	3
993:	8	7	7	5	4	6	13	9
1001:	7	6	3	3	11	5	5	3
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1017:	4	8	5	3	5	5	8	4
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1033:	8	7	3	7	2	4	6	8
1041:	10	6	1	8	6	4	2	8
1049:	7	4	7	7	4	7	5	4
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1065:	3	6	6	6	7	3	8	7
1073:	4	3	8	6	6	5	2	7
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1089:	2	4	4	3	6	3	8	8
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1105:	4	3	1	7	9	5	3	2
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1129:	5	5	7	9	5	6	4	6
1137:	6	12	6	3	7	5	9	3
1145:	6	4	4	6	8	7	6	8
1153:	10	4	7	5	3	3	7	6
1161:	4	7	3	5	3	5	7	3
1169:	6	2	5	3	7	3	8	2
1177:	5	5	1	3	3	7	3	3
1185:	4	6	4	11	5	10	7	4
1193:	3	6	4	8	4	3	3	4
1201:	0	10	7	5	2	3	4	2
1209:	6	3	4	6	6	3	4	5
1217:	1	4	7	5	2	5	5	6
1225:	4	9	3	1	6	7	1	5
1233:	11	6	7	2	18	10	3	3
1241:	1	5	10	4	4	2	2	1
1249:	2	5	0	5	4	4	4	4
1257:	3	3	3	3	2	8	3	3
1265:	6	7	2	5	8	5	2	9
1273:	2	2	2	3	6	3	1	5
1281:	3	2	8	3	5	2	4	3
1289:	4	3	4	2	2	5	2	3
1297:	3	2	3	5	5	4	3	3
1305:	6	3	3	3	2	2	7	6
1313:	1	6	3	4	6	2	4	1
1321:	6	1	4	2	2	2	3	3
1329:	4	6	4	3	2	2	2	2
1337:	4	1	6	3	6	2	3	4
1345:	3	3	1	4	2	6	1	2
1353:	2	4	2	1	4	3	4	7
1361:	3	0	1	0	1	3	3	2
1369:	4	3	1	3	6	0	3	7
1377:	3	4	3	1	4	4	6	2
1385:	3	4	3	3	5	2	3	1

1393:	6	4	2	3	1	2	6	3
1401:	1	1	2	6	1	2	2	7
1409:	2	3	4	6	2	4	3	0
1417:	3	4	4	3	3	3	2	1
1425:	2	1	2	7	1	3	2	3
1433:	3	1	4	2	4	2	2	3
1441:	3	4	0	2	6	2	3	3
1449:	3	2	2	1	3	1	3	1
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1465:	3	1	0	2	5	1	3	2
1473:	3	6	4	0	1	5	1	2
1481:	4	4	0	4	0	4	2	6
1489:	2	6	3	4	1	1	3	4
1497:	4	2	3	3	2	1	3	4
1505:	1	2	3	1	2	2	0	0
1513:	3	2	2	1	3	1	4	0
1521:	2	4	3	1	2	1	1	5
1529:	3	3	6	2	7	0	1	1
1537:	8	3	4	1	2	1	5	4
1545:	2	1	4	2	0	1	4	5
1553:	4	1	2	0	5	3	2	1
1561:	3	0	3	2	2	4	5	3
1569:	2	0	2	0	1	1	1	3
1577:	2	1	2	0	2	3	1	2
1585:	3	3	1	5	6	2	2	3
1593:	2	6	2	3	1	2	2	0
1601:	1	4	2	1	4	3	1	0
1609:	2	1	1	3	0	2	2	1
1617:	0	2	0	0	1	2	4	1
1625:	2	2	1	0	3	1	1	1
1633:	2	0	0	1	1	4	0	2
1641:	5	3	0	0	1	3	1	1
1649:	1	3	2	1	0	0	3	4
1657:	3	2	3	4	1	5	0	0
1665:	1	3	2	1	0	3	1	1
1673:	2	1	1	1	0	2	2	3
1681:	1	2	1	2	0	1	1	1
1689:	0	0	1	2	0	2	7	2
1697:	2	4	2	0	3	1	4	2
1705:	2	4	2	0	1	2	1	3
1713:	2	0	2	4	2	1	2	2
1721:	0	2	0	2	2	2	2	4
1729:	2	1	0	2	2	1	0	1
1737:	0	1	3	1	0	1	2	0
1745:	1	1	3	0	1	1	2	1
1753:	0	2	1	2	1	0	2	1
1761:	5	4	11	15	2	1	0	0
1769:	0	3	2	1	2	1	2	0
1777:	1	0	2	0	0	1	2	0
1785:	2	2	0	2	1	0	1	2
1793:	1	0	2	0	1	2	3	4
1801:	2	3	2	0	2	0	3	1
1809:	4	3	3	0	1	1	1	1
1817:	3	0	1	0	1	0	2	0
1825:	1	0	2	2	1	0	0	1
1833:	2	3	1	0	0	2	3	0
1841:	1	0	2	1	2	3	3	1
1849:	1	3	2	0	0	3	1	2
1857:	1	2	0	3	1	2	2	0
1865:	1	1	1	1	3	2	0	0

1873:	0	0	2	1	1	2	0	0
1881:	1	1	0	2	0	2	3	0
1889:	1	1	1	1	1	2	1	1
1897:	2	0	1	1	2	4	1	1
1905:	1	0	1	1	0	3	1	0
1913:	2	1	2	2	2	2	1	1
1921:	2	0	0	0	0	3	2	0
1929:	1	0	0	1	1	1	1	1
1937:	1	0	2	2	0	0	1	0
1945:	2	1	0	0	1	0	1	2
1953:	3	1	0	0	3	1	0	0
1961:	1	2	2	3	2	1	0	2
1969:	0	1	0	0	1	1	2	0
1977:	0	1	0	1	2	1	3	0
1985:	1	1	0	4	3	0	3	0
1993:	1	1	1	0	0	1	0	0
2001:	2	1	0	0	2	0	1	2
2009:	1	2	2	0	1	1	0	4
2017:	0	1	1	0	1	0	0	0
2025:	0	0	0	0	1	2	0	1
2033:	2	1	2	1	1	1	3	1
2041:	1	0	2	1	1	1	0	1
2049:	2	1	2	1	1	1	1	2
2057:	1	2	1	1	5	1	0	1
2065:	0	0	1	3	2	1	0	2
2073:	0	0	2	1	1	0	2	0
2081:	1	1	1	0	3	0	1	2
2089:	0	2	2	0	2	3	2	1
2097:	0	1	3	0	3	1	0	0
2105:	3	0	0	0	1	1	1	2
2113:	0	0	0	0	1	1	0	1
2121:	0	1	1	1	2	2	0	1
2129:	1	1	1	0	0	0	0	1
2137:	1	0	0	1	0	1	0	2
2145:	0	0	1	1	0	1	2	2
2153:	0	0	0	0	0	0	1	0
2161:	1	0	0	2	2	0	0	0
2169:	3	0	0	1	0	2	0	2
2177:	1	3	0	1	2	0	0	1
2185:	1	0	1	0	3	2	1	0
2193:	0	0	1	1	2	2	0	0
2201:	1	2	7	1	2	1	0	2
2209:	1	4	0	0	2	0	2	1
2217:	0	1	0	2	2	0	1	0
2225:	1	1	2	0	1	3	1	0
2233:	3	1	2	0	0	1	0	0
2241:	1	0	0	2	3	1	4	0
2249:	2	1	3	2	0	2	1	1
2257:	1	0	2	1	1	2	1	0
2265:	1	1	0	0	3	0	0	0
2273:	1	1	1	1	0	2	0	0
2281:	0	0	2	1	0	1	2	1
2289:	2	0	0	1	2	1	0	0
2297:	0	1	0	0	0	2	2	2
2305:	0	0	1	1	0	1	0	0
2313:	1	1	2	0	0	0	0	0
2321:	0	1	1	0	0	0	2	0
2329:	0	2	1	0	2	2	1	2
2337:	1	1	2	2	1	0	0	0
2345:	1	0	1	3	0	0	1	4

2353:	2	0	0	3	1	3	1	2
2361:	0	1	2	1	0	0	1	1
2369:	0	0	0	0	0	2	0	0
2377:	0	1	1	1	0	1	3	0
2385:	1	0	1	2	1	1	1	2
2393:	2	0	1	1	1	0	1	0
2401:	1	1	0	0	0	2	0	0
2409:	1	1	0	0	1	0	0	2
2417:	0	1	0	2	0	1	1	0
2425:	0	3	0	2	0	0	2	0
2433:	1	1	2	0	0	0	0	1
2441:	1	1	1	1	2	3	1	1
2449:	1	1	0	0	0	0	1	0
2457:	1	0	0	0	0	1	0	2
2465:	0	0	1	0	2	2	1	0
2473:	1	1	0	0	1	0	0	1
2481:	0	0	0	0	0	0	0	0
2489:	0	2	0	1	1	3	2	0
2497:	1	1	1	0	0	2	0	0
2505:	0	2	0	2	0	1	1	0
2513:	2	1	0	1	0	1	2	1
2521:	0	0	3	0	2	1	1	0
2529:	0	1	0	0	0	0	0	2
2537:	0	1	1	2	0	1	0	0
2545:	0	1	1	0	0	0	0	0
2553:	1	2	1	1	0	0	1	0
2561:	0	0	3	0	0	0	0	2
2569:	0	0	0	0	0	1	0	2
2577:	2	0	1	0	0	0	1	1
2585:	0	2	1	0	1	2	0	0
2593:	1	0	0	0	1	0	2	0
2601:	0	0	0	0	0	1	2	0
2609:	1	0	2	7	11	13	1	1
2617:	0	1	0	0	0	0	0	1
2625:	0	0	1	1	1	0	0	0
2633:	0	0	2	1	0	1	0	0
2641:	1	1	0	0	1	0	0	0
2649:	2	1	1	0	0	0	1	0
2657:	1	1	0	0	1	1	0	1
2665:	2	1	0	0	0	3	1	0
2673:	2	1	1	0	0	0	1	0
2681:	0	0	1	1	0	0	0	0
2689:	0	0	0	0	0	1	1	0
2697:	0	0	2	0	1	4	0	1
2705:	0	0	1	0	0	0	0	0
2713:	0	1	0	0	0	1	1	0
2721:	0	0	0	0	0	0	1	0
2729:	2	0	0	1	1	1	0	1
2737:	0	0	0	1	1	0	0	1
2745:	0	0	1	0	0	0	0	0
2753:	0	0	0	0	1	2	0	0
2761:	0	0	0	0	0	1	0	0
2769:	0	0	0	1	1	1	0	0
2777:	0	0	2	1	1	0	0	1
2785:	0	1	1	0	0	0	1	0
2793:	1	0	1	0	1	0	1	1
2801:	0	0	0	1	0	1	1	1
2809:	0	0	1	0	0	0	0	2
2817:	1	1	0	1	0	0	1	2
2825:	0	0	0	1	0	1	0	0

2833:	0	0	0	1	0	0	0	1
2841:	0	2	0	0	0	0	1	1
2849:	1	0	0	0	0	0	1	0
2857:	0	1	2	0	1	0	2	0
2865:	1	1	1	0	0	1	0	0
2873:	0	0	1	3	0	0	1	1
2881:	0	1	1	0	0	0	0	1
2889:	1	0	0	0	0	0	0	0
2897:	0	0	0	1	1	0	0	0
2905:	1	0	0	2	0	1	0	0
2913:	0	0	2	0	1	0	0	2
2921:	0	0	0	1	1	0	0	1
2929:	0	1	0	0	0	0	1	1
2937:	1	0	0	1	0	0	0	1
2945:	0	1	0	0	1	0	1	1
2953:	0	1	0	1	2	0	0	0
2961:	1	0	0	0	1	0	1	0
2969:	0	0	0	0	1	0	0	0
2977:	0	1	1	0	0	0	1	0
2985:	1	2	0	0	0	0	0	0
2993:	1	0	0	0	0	1	0	0
3001:	0	0	1	0	1	2	1	0
3009:	0	2	1	0	1	0	0	2
3017:	1	1	0	1	0	1	1	1
3025:	0	1	1	0	0	1	0	0
3033:	0	1	0	0	0	0	1	1
3041:	0	1	0	0	0	0	1	1
3049:	0	0	0	1	0	0	2	0
3057:	1	0	1	1	0	0	0	1
3065:	0	1	0	1	1	0	2	0
3073:	0	0	0	0	1	1	0	0
3081:	0	0	0	1	1	2	0	0
3089:	1	0	0	2	0	0	0	0
3097:	0	1	0	0	0	1	0	0
3105:	1	0	0	0	0	0	2	0
3113:	1	0	0	0	0	1	0	0
3121:	0	0	1	0	0	0	0	1
3129:	0	0	0	2	1	0	0	0
3137:	1	0	0	0	0	0	0	0
3145:	0	1	1	0	1	0	1	0
3153:	0	1	0	0	1	0	0	1
3161:	0	0	0	0	0	0	0	0
3169:	1	0	0	0	0	1	1	0
3177:	1	0	0	0	1	0	0	1
3185:	0	0	1	1	0	0	0	0
3193:	0	0	0	1	1	1	1	1
3201:	0	1	0	0	0	0	0	0
3209:	1	1	1	0	0	0	0	1
3217:	0	1	0	0	0	0	0	0
3225:	0	0	0	0	0	0	0	2
3233:	0	1	0	0	0	0	2	0
3241:	0	0	1	0	1	0	0	0
3249:	0	0	0	3	1	0	0	1
3257:	1	0	2	1	1	0	0	0
3265:	1	1	0	0	0	0	0	0
3273:	0	0	1	0	0	0	0	0
3281:	0	0	0	0	0	0	0	1
3289:	0	0	0	0	0	0	1	2
3297:	0	0	0	0	1	0	1	0
3305:	0	0	2	0	0	0	0	1

3313:	1	0	0	0	0	0	1	0
3321:	0	0	0	1	0	1	2	0
3329:	1	0	1	1	0	0	1	0
3337:	0	1	0	0	0	0	1	0
3345:	0	0	1	0	1	0	1	0
3353:	0	1	0	0	0	0	0	0
3361:	0	0	1	0	0	1	0	0
3369:	0	0	1	0	1	0	0	0
3377:	0	0	0	0	1	1	0	0
3385:	0	2	0	1	0	1	0	0
3393:	0	1	0	0	0	1	1	0
3401:	1	0	0	0	0	1	0	0
3409:	0	0	0	0	0	1	0	0
3417:	1	1	0	1	1	2	0	0
3425:	1	1	0	2	0	0	0	0
3433:	0	0	1	2	0	0	0	0
3441:	1	0	0	0	0	0	0	0
3449:	0	0	1	0	0	0	1	0
3457:	0	0	0	1	1	0	0	0
3465:	0	1	1	1	0	0	1	0
3473:	2	0	0	1	0	0	0	1
3481:	0	1	1	1	0	0	0	0
3489:	0	0	0	0	0	0	0	1
3497:	0	0	0	0	0	0	0	0
3505:	0	0	1	0	0	0	0	0
3513:	0	0	0	0	0	0	0	0
3521:	1	0	0	0	0	1	0	1
3529:	0	0	0	1	0	0	0	0
3537:	0	0	1	0	0	0	1	0
3545:	0	0	0	0	1	0	0	0
3553:	0	1	0	0	0	1	1	0
3561:	2	1	0	0	0	0	0	0
3569:	0	2	0	0	0	0	0	0
3577:	1	1	0	0	0	0	1	0
3585:	0	0	0	0	0	0	0	0
3593:	0	0	1	0	2	0	1	1
3601:	0	0	1	0	1	0	3	0
3609:	1	1	1	3	0	0	0	0
3617:	0	1	0	0	0	1	0	1
3625:	0	1	0	0	0	2	0	0
3633:	0	0	0	0	0	0	2	0
3641:	0	0	1	1	0	0	1	0
3649:	0	0	0	0	0	0	0	0
3657:	0	0	1	1	0	0	0	0
3665:	0	1	0	0	0	0	0	1
3673:	0	0	0	0	0	0	0	1
3681:	0	0	0	0	0	0	0	1
3689:	0	1	1	0	1	0	0	0
3697:	0	0	0	0	0	0	0	0
3705:	1	1	0	0	0	0	0	1
3713:	2	0	0	2	0	0	0	0
3721:	0	1	0	0	0	0	0	0
3729:	0	0	0	0	2	0	1	0
3737:	0	0	0	1	1	0	0	1
3745:	1	0	2	0	0	1	0	0
3753:	2	0	0	0	0	0	0	0
3761:	0	0	0	1	0	0	0	0
3769:	0	0	2	0	0	1	0	1
3777:	0	0	0	0	0	0	0	0
3785:	0	0	0	0	0	0	0	0

3793:	0	0	0	1	0	2	0	0
3801:	0	1	0	1	0	0	0	0
3809:	1	0	0	0	1	1	0	1
3817:	0	0	0	0	0	0	0	0
3825:	0	1	0	0	1	0	0	0
3833:	0	0	0	0	0	0	0	0
3841:	0	0	0	0	0	0	0	1
3849:	0	0	1	0	0	1	0	1
3857:	0	0	1	0	0	0	0	0
3865:	0	0	0	0	0	0	1	0
3873:	1	0	0	0	1	0	0	2
3881:	0	0	0	0	0	1	0	0
3889:	1	0	0	0	0	0	0	1
3897:	0	0	1	0	1	0	0	0
3905:	0	0	1	1	0	0	0	1
3913:	0	1	0	0	0	0	0	0
3921:	0	1	0	0	0	0	1	0
3929:	0	0	1	1	0	0	0	0
3937:	0	0	1	0	1	0	0	0
3945:	0	1	0	1	0	0	1	0
3953:	2	2	0	0	0	1	1	0
3961:	1	1	0	0	1	0	0	0
3969:	0	0	0	0	1	0	0	0
3977:	0	1	0	0	0	0	1	0
3985:	2	0	0	1	0	1	0	0
3993:	0	0	0	1	1	0	0	0
4001:	1	1	0	0	0	0	1	0
4009:	0	0	1	0	0	0	0	0
4017:	0	1	0	1	0	0	0	1
4025:	0	0	1	0	0	0	0	0
4033:	0	0	0	0	0	0	1	0
4041:	0	0	1	1	0	0	0	2
4049:	0	0	2	0	0	1	1	0
4057:	0	0	1	0	0	0	0	1
4065:	0	0	0	0	0	1	0	0
4073:	0	0	0	0	0	0	2	0
4081:	0	0	0	1	1	0	0	0
4089:	0	1	1	0	0	0	0	0

QA filename : DKA100:[GAMMA.SCUSR.QA]QCB_GE1.QAF;1

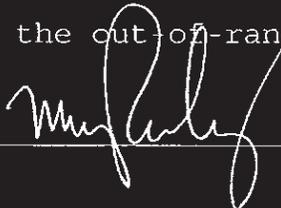
Sample ID : Bkgrnd Check Sample quantity : 1.00 EACH
Sample date : 11-DEC-2006 05:40:42 Acquisition date : 11-DEC-2006 05:40:42
Elapsed live time: 0 00:15:00.00 Elapsed real time: 0 00:15:00.08

Out-of-range Test: N-SIGMA

Parameter Description	Value	Deviation	Flag
[Mean+/-Stdev]			
Background Counts	1838	-0.43	
[1965+/-292]			
Background Rate	2.04	-0.43	
[2.18+/-0.32]			

Flags: "*" means the out-of-range test is parameter-dependent

Approved by: _____



Approval Date: 12 / 11 / 06

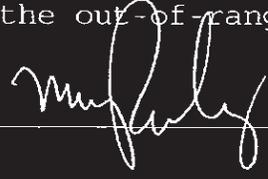
QA filename : DKA100:[GAMMA.SCUSR.QA]QCB_GE2.QAF;1

Sample ID : Bkgrnd Check Sample quantity : 1.00 EACH
Sample date : 11-DEC-2006 05:40:18 Acquisition date : 11-DEC-2006 05:40:18
Elapsed live time: 0 00:15:00.00 Elapsed real time: 0 00:15:00.09

Out-of-range Test: N-SIGMA

Parameter Description	Value	Deviation	Flag
[Mean+/-Stdev]			
*Background Counts [4.11E+04+/-6.05E+05]	2.32E+03	-0.06	
*Background Rate [46+/-672]	2.6	-0.06	

Flags: "*" means the out-of-range test is parameter-dependent

Approved by:  Approval Date: 12 / 11 / 06

QA filename : DKA100:[GAMMA.SCUSR.QA]QCB_GE3.QAF;1

Sample ID : Bkgrnd Check Sample quantity : 1.00 EACH
Sample date : 11-DEC-2006 05:39:52 Acquisition date : 11-DEC-2006 05:39:52
Elapsed live time: 0 00:15:00.00 Elapsed real time: 0 00:15:01.15

Out-of-range Test: N-SIGMA

Parameter Description	Value	Deviation	Flag
[Mean+/-Stdev]			
Background Counts	1473	1.01	
[1424+/-48]			
*Background Rate	1.637	1.01	
[1.583+/-0.054]			

Flags: "*" means the out-of-range test is parameter-dependent

Approved by:  Approval Date: 12 / 11 / 06

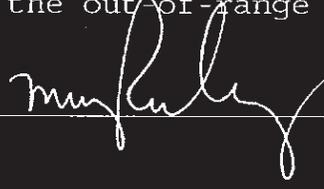
QA filename : DKA100:[GAMMA.SCUSR.QA]QCB_GE4.QAF;1

Sample ID : Bkgrnd Check Sample quantity : 1.00 EACH
Sample date : 11-DEC-2006 05:39:30 Acquisition date : 11-DEC-2006 05:39:30
Elapsed live time: 0 00:15:00.00 Elapsed real time: 0 00:15:00.26

Out-of-range Test: N-SIGMA

Parameter Description	Value	Deviation	Flag
[Mean+/-Stdev]			
Background Counts [1464+/-44]	1458	-0.14	
Background Rate [1.627+/-0.049]	1.620	-0.14	

Flags: "*" means the out-of-range test is parameter-dependent

Approved by:  Approval Date: 12/11/06

QA filename : DKA100:[GAMMA.SCUSR.QA]QCC_GE1_GAS60.QAF;1

Sample ID : Calib Check Sample quantity : 384. GRAM
Sample date : 1-JAN-2006 00:00:00 Acquisition date : 11-DEC-2006 05:56:47
Elapsed live time: 0 00:15:00.00 Elapsed real time: 0 00:15:24.67

Out-of-range Test: BOUNDARY

Parameter Description	Lower	Upper	Value	Flag
*Peak Centroid 59.54 kev	58	61	60	
*Peak Centroid 661.65 kev	660	663	662	
*Peak Centroid 1173.22 kev	1172	1175	1174	
*Peak Centroid 1332.49 kev	1331	1334	1333	
*Peak Centroid 1836.01 kev	1835	1838	1837	
*Peak FWHM Am-241 59.54 kev	0.5	3.0	1.8	
*Peak FWHM Cs-137 661.65 kev	0.5	3.0	2.0	
*Peak FWHM Co-60 1173.22 kev	0.5	3.0	2.4	
*Peak FWHM Co-60 1332.49 kev	0.5	3.0	2.4	
*Peak FWHM Y-88 1836.01 kev	0.5	3.0	2.7	
*DC Activity Am-241 59.54 kev	354	433	400	
*DC Activity Cs-137 661.65 kev	141	172	170	
*DC Activity Co-60 1173.22 kev	228	278	268	
*DC Activity Co-60 1332.49 kev	230	281	267	
*DC Activity Y-88 1836.01 kev	470	574	552	

Flags: "*" means the out-of-range test is parameter-dependent

Approved by: _____ Approval Date: __ / __ / ____

QA filename : DKA100:[GAMMA.SCUSR.QA]QCC_GE2_GAS60.QAF;1

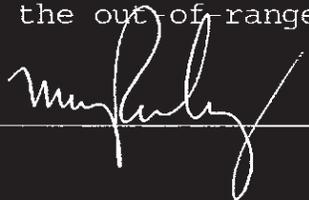
Sample ID : Calib Check Sample quantity : 384. GRAM
Sample date : 1-JAN-2006 00:00:00 Acquisition date : 11-DEC-2006 06:17:25
Elapsed live time: 0 00:15:00.00 Elapsed real time: 0 00:15:19.34

Out-of-range Test: BOUNDARY

Parameter Description	Lower	Upper	Value	Flag
*Peak Centroid 59.54 keV	58	61	58	
*Peak Centroid 661.65 keV	660	663	660	
*Peak Centroid 1173.22 keV	1172	1175	1172	
*Peak Centroid 1332.49 keV	1331	1334	1331	
*Peak Centroid 1836.01 keV	1835	1838	1835	
*Peak FWHM Am-241 59.54 keV	0.5	3.0	1.7	
*Peak FWHM Cs-137 661.65 keV	0.5	3.0	2.0	
*Peak FWHM Co-60 1173.22 keV	0.5	3.0	2.1	
*Peak FWHM Co-60 1332.49 keV	0.5	3.0	2.2	
*Peak FWHM Y-88 1836.01 keV	0.5	3.0	2.4	
*DC Activity Am-241 59.54 keV	354	433	394	
*DC Activity Cs-137 661.65 keV	141	172	160	
*DC Activity Co-60 1173.22 keV	228	278	254	
*DC Activity Co-60 1332.49 keV	230	281	252	
*DC Activity Y-88 1836.01 keV	470	574	520	

Flags: "*" means the out-of-range test is parameter-dependent

Approved by: _____



Approval Date: _____

12 / 11 / 06

QA filename : DKA100:[GAMMA.SCUSR.QA]QCC_GE3_GAS60.QAF;1

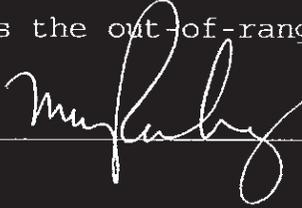
Sample ID : Calib Check Sample quantity : 384. GRAM
Sample date : 1-JAN-2006 00:00:00 Acquisition date : 11-DEC-2006 06:44:10
Elapsed live time: 0 00:15:00.00 Elapsed real time: 0 00:15:48.12

Out-of-range Test: BOUNDARY

Parameter Description	Lower	Upper	Value	Flag
*Peak Centroid 59.54 kev	58	61	60	
*Peak Centroid 661.65 kev	660	663	662	
*Peak Centroid 1173.22 kev	1172	1175	1173	
*Peak Centroid 1332.49 kev	1331	1334	1332	
*Peak Centroid 1836.01 kev	1835	1838	1836	
*Peak FWHM Am-241 59.54 kev	0.5	3.0	1.2	
*Peak FWHM Cs-137 661.65 kev	0.5	3.0	1.6	
*Peak FWHM Co-60 1173.22 kev	0.5	3.0	2.1	
*Peak FWHM Co-60 1332.49 kev	0.5	3.0	2.1	
*Peak FWHM Y-88 1836.01 kev	0.5	3.0	2.5	
*DC Activity Am-241 59.54 kev	354	433	378	
*DC Activity Cs-137 661.65 kev	141	172	163	
*DC Activity Co-60 1173.22 kev	228	278	266	
*DC Activity Co-60 1332.49 kev	230	281	263	
*DC Activity Y-88 1836.01 kev	470	574	530	

Flags: "*" means the out-of-range test is parameter-dependent

Approved by: _____



Approval Date: 12 / 11 / 06

QA filename : DKA100:[GAMMA.SCUSR.QA]QCC_GE4_GAS60.QAF;1

Sample ID : Calib Check Sample quantity : 384. GRAM
Sample date : 1-JAN-2006 00:00:00 Acquisition date : 11-DEC-2006 07:03:47
Elapsed live time: 0 00:15:00.00 Elapsed real time: 0 00:15:52.09

Out-of-range Test: BOUNDARY

Parameter Description	Lower	Upper	Value	Flag
*Peak Centroid 59.54 keV	58	61	59	
*Peak Centroid 661.65 keV	660	663	661	
*Peak Centroid 1173.22 keV	1172	1175	1173	
*Peak Centroid 1332.49 keV	1331	1334	1332	
*Peak Centroid 1836.01 keV	1835	1838	1836	
*Peak FWHM Am-241 59.54 keV	0.5	3.0	1.7	
*Peak FWHM Cs-137 661.65 keV	0.5	3.0	1.8	
*Peak FWHM Co-60 1173.22 keV	0.5	3.0	1.9	
*Peak FWHM Co-60 1332.49 keV	0.5	3.0	2.1	
*Peak FWHM Y-88 1836.01 keV	0.5	3.0	2.3	
*DC Activity Am-241 59.54 keV	354	433	416	
*DC Activity Cs-137 661.65 keV	141	172	161	
*DC Activity Co-60 1173.22 keV	228	278	270	
*DC Activity Co-60 1332.49 keV	230	281	270	
*DC Activity Y-88 1836.01 keV	470	574	561	

Flags: "*" means the out-of-range test is parameter-dependent

Approved by: 

Approval Date: 12 / 11 / 06

Sherry Laboratories - Chain of Custody Record

Laboratory Number: **106110580**

Client Information: **Billing Information:** **PO Number:** **Quote Number:** **Required QC Level:**
ICON Environmental **SAME**
Greg Miller
1053 Conventon St.
2nd floor
Baton Rouge LA 70802
225-344-8490 Ext: _____
 City, State Zip: _____
 Phone Number: _____
 Fax Number: _____
 E-mail Address: _____

Project Name/Number: **Matrix Code**
VPSB East White Lake
 DW = Drinking Water
 WW = Waste Water
 GW = Ground Water
 AQ = Aqueous OT = Other
 SL = Sludge SOL = Solid
 O = Oil SO = Soil
 F = Food SW = Swab
 NG = Natural Gas
 NGL = Natural Gas Liquid
 PW = Produced Water
 CF = Completion Fluid

Sampler's Signature: **Shipping Method:**
Shawn Lab Day
 UPS / FedEx / Airborne
 DHL / Sherry / Hand / Mail

Page 1 of 2

Sample ID/Description	Which Regulations Apply: <input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input type="checkbox"/> NPDES <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC	Turn Time <input type="checkbox"/> Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	(Rush turn times will incur a surcharge and must be pre-approved by lab.)	Collection Information		Quantity	Container Type P=Plastic, G=Glass, V=Vial	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₈	Requested Tests	Comments
				Date	Time					
				Matrix	Composite					
B-1 (0'-3')				11/13/06	1535	1	G	none	X TPH-D/O X EC X Chlorides X T Metals X % Moisture X Rad 226/228	As, Ba, Cr Sr, Zn, Cd Pb Metals please sub Rad 226/228 to Eberline
B-1 (3'-6')				11/13/06	1537	1	G	none		
B-2 (0'-3')				11/13/06	1545	1	G	none		
B-2 (3'-6')				11/13/06	1547	1	G	none		
B-3 (0'-3')				11/13/06	1610	1	G	none		
B-3 (3'-6')				11/13/06	1615	1	G	none		
B-4 (0'-3')				11/13/06	1620	1	G	none		
B-4 (3'-6')				11/13/06	1625	1	G	none		
B-5 (0'-6')				11/13/06	1210	1	G	none		
						1	G	none		

Relinquished by: **Date/Time** **Received by:** **Date/Time** **Field Notes:**
Shawn Lab Day 11-14-06 1450 *B. Bucheal* 11-14-06 1450
 Received at lab on ice? Yes No Temp: _____

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

9301 Innovation Drive
 Suite 125
 Daleville, IN 47334
 765-378-4103
 Fax: 765-378-4109

629 Washington St.
 Suite 300
 Columbus, IN 47201
 812-375-0531
 Fax: 812-375-0731

5738 Industrial Rd.
 Fort Wayne, In 46825
 260-471-7000
 Fax: 260-471-7777

2129 Willow Street
 Scott, LA 70583
 337-232-5568
 Fax: 337-232-3621

2417 W. Pinhook Rd
 Lafayette, LA 70508
 337-235-0483
 Fax: 337-233-6540

Sherry Laboratories - Chain of Custody Record

Laboratory Number: **LOW110580**

Client Information: **Billing Information:** **PO Number:** **Project Name/Number:** **Page 2 of 2**
ICON **SAME**
Greg Miller
1055 Convention
2nd floor
Baton Rouge LA 70802
225-344-8940 Ext: _____
 City, State Zip: _____
 Phone Number: _____
 Fax Number: _____
 E-mail Address: _____

Matrix Code
 DW = Drinking Water
 WW = Waste Water
 GW = Ground Water
 AQ = Aqueous
 SL = Sludge
 O = Oil
 F = Food
 NG = Natural Gas
 NGL = Natural Gas Liquid
 PW = Produced Water
 CF = Completion Fluid

Quote Number: _____
Required QC Level: _____
Bill Monthly: Yes No
Shipping Method: UPS / FedEx / Airborne
DHL / Sherry / Hand / Mail

Sampler's Signature: *Shawn Ledford*
Shipping Method: _____

Sample ID/Description	Which Regulations Apply: <input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input type="checkbox"/> NPDES <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC	Turn Time <input type="checkbox"/> Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	(Rush turn times will incur a surcharge and must be pre-approved by lab.)	Container Type V=Vial P=Plastic, G=Glass	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₈	Requested Tests				Comments					
						Quantity	Chlorides	TPH-D/O	T Metals		% Moisture	Rad rate/200			
													EC	SL	
Collection Information		Date	Time	Grab/Composite	Matrix										
B-13 (0'-3')		11/13/06	1515	Grab	SL	1	G	none	X	X	X	X	X	X	As Ba Cr
B-13 (3'-6')		11/13/06	1515	Grab	SL	1	G	none	X	X	X	X	X	X	Sr Zn Cd
B-14 (0'-3')		11/13/06	1500	Grab	SL	1	G	none	X	X	X	X	X	X	Pb
B-14 (3'-6')		11/13/06	1505	Grab	SL	1	G	none	X	X	X	X	X	X	Metals
B-15 (0'-6')		11/13/06	1420	Grab	SL	1	G	none	X	X	X	X	X	X	Please sub Rad 226/228 to Eberline (SL)

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
<i>Shawn Ledford</i>	11-14-06 1450			
		<i>Boudreau</i>	11-14-06 1450	Received at lab on ice? <input type="checkbox"/> Yes <input type="checkbox"/> No Temp: _____

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

9301 Innovation Drive
Suite 125
Daleville, IN 47334
765-378-4103
Fax: 765-378-4109

629 Washington St.
Suite 300
Columbus, IN 47201
812-375-0531
Fax: 812-375-0731

5738 Industrial Rd.
Fort Wayne, IN 46825
260-471-7000
Fax: 260-471-7777

2417 W. Pinhook Rd
Lafayette, LA 70508
337-232-0483
Fax: 337-232-6540

2129 Willow Street
Scott, LA 70583
337-232-3568
Fax: 337-232-3621

Chain of Custody

Yes	No	<input checked="" type="radio"/> N/A Were seals, if present, intact?
<input checked="" type="radio"/> Yes	No	Is Chain of Custody complete? If no, please comment below.
		How was the sample delivered? Sherry FedEx UPS <input checked="" type="radio"/> Hand Other: _____

Log In

<input checked="" type="radio"/> Yes	No	Was an attempt made to cool the samples? Temperature: <u>4.5</u> Ambient
<input checked="" type="radio"/> Yes	No	N/A Are samples (except VOA vials) properly preserved? If preservative added to bottles, which bottles? _____
Yes	No	<input checked="" type="radio"/> N/A Is the headspace in the VOA vials less than ¼ inch or 6 mm?
Yes	No	<input checked="" type="radio"/> N/A Are VOA vials preserved with HCl?
<input checked="" type="radio"/> Yes	No	Does paperwork match bottle labels? (Note discrepancies on Chain of Custody)
<input checked="" type="radio"/> Yes	No	Are matrices correctly identified on Chain of Custody?
<input checked="" type="radio"/> Yes	No	Is it clear what analyses were requested?
<input checked="" type="radio"/> Yes	No	Are we able to meet all holding times? (If no, notify customer for authorization.)

Special Handling (if applicable)

Yes	No	N/A Was client notified of all discrepancies with this order? Person notified: _____ Date: _____ Time: _____ By whom? _____ Via: Phone Fax In Person Regarding: _____ Report / Do Not Report
Yes	No	N/A Was other special handling completed? Explain: _____

Notes:

Customer: ICON Laboratory Work Order # 6110580

Log In Signature: Burdick Date: 11-14-06 Time: 1450

ICON ENVIRONMENTAL SERVICES, INC.

VPSB – White Lake

**STANDARD LEVEL IV
REPORT OF ANALYSIS**

WORK ORDER #06-05002-OR

June 2, 2006

**EBERLINE SERVICES/OAK RIDGE LABORATORY
OAK RIDGE, TN**

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STANDARD OPERATING PROCEDURE

Sample Receiving

MP-001, Rev. 7
Effective: 10/31/03
Page 12 of 12

Eberline Services – Oak Ridge Laboratory

LABORATORY DATA SUPPORT CHECKLIST MP-001-3

Eberline Services Work Order # 06-05002

The checklist items listed below are to be initialed by appropriate staff upon completion/verification.

Date for Partial	Initials	Date	Initials	Checklist Items
		5-1-06	ICATB	Sample Log-In
		5/17/06	KBS	Data Compilation
		5-18-06	MLT	Technical Data Review <i>MLT-5/18/06</i>
		6/2/06	<i>[Signature]</i>	Data Entry/Electronic Deliverable
		6/2/06	<i>[Signature]</i>	Case Narrative
		6/2/06	<i>[Signature]</i>	Electronic Deliverable Proof
		6/2/06	<i>[Signature]</i>	Samples Analyzed within Holding Time <i>YES</i>
		6/2/06	<i>[Signature]</i>	QA/QC Review
				Invoiced by Laboratory

Technical/Clerical Corrections, Signatures Needed, Problems, Etc	Date/Initials

Date package approved by:

Laboratory Manager

Date

Copy No. _____

Radiochemical Services

SECTION I
CHAIN OF CUSTODY

06-05002

Sherry Laboratories - Chain of Custody Record



Company Name: **ICON Environmental**
 Contact Name: **Greg Miller**
 Address: **1055 Convention St**
2nd floor
 City, State Zip: **Baton Rouge La 70802**
 Phone Number: **(225) 344-8490** Ext: _____
 Fax Number: _____
 E-mail Address: _____

Billing Information: **same**
 PO Number: _____
 Quote Number: _____
 Required QC Level: _____
 Bill Monthly: Yes No
 Shipping Method: **UPS / FedEx / Airborne**
DHL / Sherry / Hand / Mail

Client Information: **ICON Environmental**
 Project Name/Number: **VPSB - White Lake**
 Sampler's Signature: *[Signature]*

Matrix Code:
 DW = Drinking Water
 WW = Waste Water
 GW = Ground Water
 AQ = Aqueous
 SL = Sludge
 O = Oil
 F = Food
 NG = Natural Gas
 NGL = Natural Gas Liquid
 PW = Produced Water
 CF = Completion Fluid

Sample ID/Description	Which Regulations Apply: <input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input checked="" type="checkbox"/> NPDES <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC	Turn Time <input checked="" type="checkbox"/> Standard <input type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	(Rush turn times will incur a surcharge and must be pre-approved by lab.)	Collection Information			Quantity	Container Type: P=Plastic, G=Glass, V=Vial	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₈	Requested Tests	Comments
				Date		Matrix					
				Date	Time						
4 55-03 (54"-61")				4/25/06	1730	G	1	G			
5 55-03 (61"-80")				4/25/06	1730	G	1	G			
6 55-03 (80"-85")				4/25/06	1730	G	1	G			
7 55-07 (46"-62")				4/26/06	1745	G	1	G			
8 55-07 (62"-75")				4/26/06	1748	G	1	G			
9 55-07 (75"-78")				4/26/06	1745	G	1	G			
10 55-11 (66"-97")				4/27/06	1415	G	1	G			
11 55-11 (97"-107")				4/27/06	1415	G	1	G			
12 55-11 (107"-110")				4/27/06	1415	G	1	G			
13 55-12 (29"-73")				4/27/06	1620	G	1	G			

Requisitioned by: *[Signature]*
 Date/Time: **4/28/06 1500**
 Received by: **K. Summister**
 Date/Time: **5/16/06 0900**

Field Notes:
 Received at lab on ice? Yes No Temp: _____

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

9301 Innovation Drive
 Suite 125
 Daleville, IN 47334
 765-378-4103
 Fax: 765-378-4109

629 Washington St.
 Suite 300
 Columbus, IN 47201
 812-375-0531
 Fax: 812-375-0731

5738 Industrial Rd.
 Fort Wayne, IN 46825
 260-471-7000
 Fax: 260-471-7777

2417 W. Pinhook Rd
 Lafayette, LA 70508
 337-232-3568
 Fax: 337-233-6540

2129 Willow Street
 Scott, LA 70583
 337-232-3568
 Fax: 337-232-3621



EBERLINE
SERVICES
Oak Ridge Laboratory

Internal Chain of Custody

Work Order #

06-05002

Lab Deadline

5/15/2006

Analysis

Ra226 - Level 4

Sample Matrix

Sludge

Comments	Sample Fraction	HP 210 / 270 Detector Activity	Storage Location
	04	44	F1.4
	05	47	F1.4
	06	46	F1.4
	07	51	F1.4
	08	46	F1.4
	09	57	F1.4
	10	51	F1.4
	11	51	F1.4
	12	45	F1.4
	13	55	F1.4
	14	49	F1.4

	Location (circle one)						Initials	Date
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room	1100	Kenny Seelig	5-1-06
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room	0745	Kenny Seelig	5-3-06
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room		Benard	5/3/06 0745
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room		Benard	5/3/06 0745
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room	0700	DI	5/8/06
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room	1335	DI	5/8/06
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room		Murphy	5-8-06 1850
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room		Jay	5-9-06 0040
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room			
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room			
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room			
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room			
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room			
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room			

SECTION II
SAMPLE ACKNOWLEDGEMENT



Eberline Services – Oak Ridge Laboratory

SAMPLE RECEIPT CHECKLIST

MP-001-2

WORK ORDER # 06-05002

SAMPLE MATRIX/MATRICES:

(CIRCLE ONE OR BOTH)

AQUEOUS **NON-AQUEOUS**

WERE SAMPLES:

(CIRCLE EITHER YES, NO, OR N/A)

Received in good condition?

Y OR N

If aqueous, properly preserved

Y OR N N/A

WERE CHAIN OF CUSTODY SEALS:

Present on outside of package?

Y OR N

Unbroken on outside of package?

Y OR N

Present on samples?

Y OR N

Unbroken on samples?

Y OR N

Was chain of custody present upon sample receipt? *yes*

IF ANY OF THE ABOVE ARE CIRCLED, A DISCREPANT SAMPLE RECEIPT REPORT (DSR) HAS BEEN ISSUED.

REMARKS: _____

SIGNATURE: *K. Bannister* DATE: 5-1-06

SECTION III
CASE NARRATIVE



EBS-OR-24226

June 2, 2006

Greg Miller
ICON Environmental Services, Inc.
1055 Convention Street, 2nd Floor
Baton Rouge, LA 70802-4771

Oak Ridge Laboratory
601 Scarboro Road
Oak Ridge, TN 37830
Phone (865) 481-0683
Fax (865) 483-4621

CASE NARRATIVE
Work Order # 06-05002-OR

SAMPLE RECEIPT

This work order contains eleven soil samples received 05/01/06. All samples were analyzed for Radium-226/228.

<u>CLIENT ID</u>	<u>LAB ID</u>	<u>CLIENT ID</u>	<u>LAB ID</u>
SS-03 (54"-61")	06-05002-04	SS-11 (66"-97")	06-05002-10
SS-03 (61"-80")	06-05002-05	SS-11 (97"-107")	06-05002-11
SS-03 (80"-85")	06-05002-06	SS-11 (107"-110")	06-05002-12
SS-07 (46"-62")	06-05002-07	SS-12 (29"-73")	06-05002-13
SS-07 (62"-75")	06-05002-08	SS-05 (67"-93")	06-05002-14
SS-07 (75"-78")	06-05002-09		

ANALYTICAL METHODS

Radium-226 was analyzed using EPA Method 903.0 Modified. Radium-228 was analyzed using EPA Method 904.0 Modified.

ANALYTICAL RESULTS

RADIUM-226

Samples were prepared by removing a representative aliquot from each sample followed by mixed acid digestions as appropriate. This was followed by selective sulfate precipitations of the Radium. Samples were then mounted by semi-micro-precipitations onto micro-porous filters. Samples were counted by alpha spectroscopy using an energy specific region of interest for Radium-226. Chemical recovery was calculated by the use of a Barium-133 tracer, which was determined by HPGe gamma spectroscopy.

Samples demonstrated background equivalent to slightly positive results for Radium-226 activity. Chemical recovery was acceptable for all samples. Results for the Radium-226 method blank demonstrated background equivalent activity. Results for the Radium-226 replicate demonstrated an acceptable relative percent difference and normalized difference. Results for the Radium-226 laboratory control sample demonstrated an acceptable percent recovery.

ANALYTICAL RESULTS CONTINUED

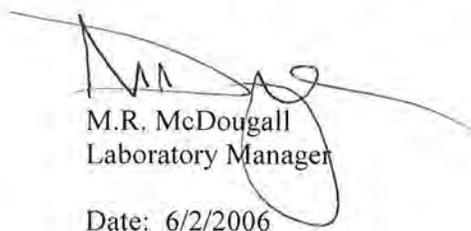
RADIUM-228

Following alpha spectroscopy analysis of Radium-226, Barium/Radium Sulfate precipitates were redissolved and allowed for sufficient ingrowth of the Actinium-228 daughter. After ingrowth, Actinium-228 was selectively precipitated. Precipitates were filtered and Actinium-228 beta emissions were then counted on a gas proportional counter. Chemical recovery was determined by the use of a Barium-133 tracer of which each sample recovery were determined by HPGe gamma spectroscopy and an elemental Yttrium carrier by gravimetric measurements. The product of these two recoveries was used to calculate chemical yield.

Samples demonstrated background equivalent to slightly positive results for Radium-228 activity. Chemical recovery was acceptable for all samples. Results for the Radium-228 method blank demonstrated background equivalent activity. Results for the Radium-228 replicate demonstrated a high relative percent difference; however, normalized difference is within acceptable limits for the analytical technique. Results for the Radium-228 laboratory control sample demonstrated an acceptable percent recovery.

CERTIFICATION OF ACCURACY

I certify that this data report is in compliance with the terms and conditions of the Purchase Order, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the cognizant project manager or his/her designee to be accurate as verified by the following signature.



M.R. McDougall
Laboratory Manager

Date: 6/2/2006

SECTION IV
ANALYTICAL RESULTS SUMMARY

Eberline Services

Final Report of Analysis

Gregory Miller
ICON Environmental Services, Inc.
1055 Convention St, 2nd Flr
Baton Rouge, LA 70802-4771

Report To:

SDG: **06-05002**

Project: **VPSB - White Lake**
 Analysis Category: **ENVIRONMENTAL**
 Sample Matrix: **SL**

Work Order Details:

Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	TPU	MDA	Report Units
06-05002-01	LCS	KNOWN	05/01/06 00:00	5/1/2006	5/8/2006	06-05002	Radium-226	EPA 903.0 Modified	1.04E+01	4.77E-01			pCi/g
06-05002-01	LCS	SPIKE	05/01/06 00:00	5/1/2006	5/8/2006	06-05002	Radium-226	EPA 903.0 Modified	9.51E+00	1.23E+00	1.31E+00	1.54E-01	pCi/g
06-05002-02	MBL	BLANK	05/01/06 00:00	5/1/2006	5/8/2006	06-05002	Radium-226	EPA 903.0 Modified	5.90E-02	8.68E-02	8.69E-02	1.42E-01	pCi/g
06-05002-03	DUP	SS-03 (54"-61")	04/25/06 17:30	5/1/2006	5/8/2006	06-05002	Radium-226	EPA 903.0 Modified	2.81E+00	7.05E-01	7.18E-01	2.46E-01	pCi/g
06-05002-04	DO	SS-03 (54"-61")	04/25/06 17:30	5/1/2006	5/8/2006	06-05002	Radium-226	EPA 903.0 Modified	3.20E+00	7.54E-01	7.69E-01	1.10E-01	pCi/g
06-05002-05	TRG	SS-03 (61"-80")	04/25/06 17:30	5/1/2006	5/8/2006	06-05002	Radium-226	EPA 903.0 Modified	2.89E+00	7.51E-01	7.64E-01	2.45E-01	pCi/g
06-05002-06	TRG	SS-03 (80"-85")	04/25/06 17:30	5/1/2006	5/8/2006	06-05002	Radium-226	EPA 903.0 Modified	2.04E+00	5.85E-01	5.93E-01	1.82E-01	pCi/g
06-05002-07	TRG	SS-07 (46"-62")	04/26/06 17:45	5/1/2006	5/8/2006	06-05002	Radium-226	EPA 903.0 Modified	2.77E+00	7.32E-01	7.44E-01	2.43E-01	pCi/g
06-05002-08	TRG	SS-07 (62"-75")	04/26/06 17:45	5/1/2006	5/8/2006	06-05002	Radium-226	EPA 903.0 Modified	2.10E+00	5.32E-01	5.41E-01	1.87E-01	pCi/g
06-05002-09	TRG	SS-07 (75"-78")	04/26/06 17:45	5/1/2006	5/8/2006	06-05002	Radium-226	EPA 903.0 Modified	7.81E-01	3.47E-01	3.49E-01	2.03E-01	pCi/g
06-05002-10	TRG	SS-11 (66"-97")	04/27/06 14:15	5/1/2006	5/8/2006	06-05002	Radium-226	EPA 903.0 Modified	3.58E-01	2.52E-01	2.52E-01	2.73E-01	pCi/g
06-05002-11	TRG	SS-11 (97"-107")	04/27/06 14:15	5/1/2006	5/8/2006	06-05002	Radium-226	EPA 903.0 Modified	1.49E+00	4.66E-01	4.72E-01	2.40E-01	pCi/g
06-05002-12	TRG	SS-11 (107"-110")	04/27/06 14:15	5/1/2006	5/8/2006	06-05002	Radium-226	EPA 903.0 Modified	7.63E-01	3.09E-01	3.11E-01	1.95E-01	pCi/g
06-05002-13	TRG	SS-12 (29"-73")	04/27/06 16:20	5/1/2006	5/8/2006	06-05002	Radium-226	EPA 903.0 Modified	7.80E-01	3.54E-01	3.56E-01	1.81E-01	pCi/g
06-05002-14	TRG	SS-05 (67"-93")	04/26/06 13:30	5/1/2006	5/8/2006	06-05002	Radium-226	EPA 903.0 Modified	6.35E-01	2.99E-01	3.01E-01	2.22E-01	pCi/g
06-05002-01	LCS	KNOWN	05/01/06 00:00	5/1/2006	5/17/2006	06-05002	Radium-228	EPA 904.0 Modified	1.87E+01	8.42E-01			pCi/g
06-05002-01	LCS	SPIKE	05/01/06 00:00	5/1/2006	5/17/2006	06-05002	Radium-228	EPA 904.0 Modified	1.78E+01	9.97E-01	3.30E+00	6.61E-01	pCi/g
06-05002-02	MBL	BLANK	05/01/06 00:00	5/1/2006	5/17/2006	06-05002	Radium-228	EPA 904.0 Modified	3.98E-01	4.28E-01	4.34E-01	7.14E-01	pCi/g
06-05002-03	DUP	SS-03 (54"-61")	04/25/06 17:30	5/1/2006	5/17/2006	06-05002	Radium-228	EPA 904.0 Modified	2.50E+00	5.30E-01	6.90E-01	6.83E-01	pCi/g
06-05002-04	DO	SS-03 (54"-61")	04/25/06 17:30	5/1/2006	5/17/2006	06-05002	Radium-228	EPA 904.0 Modified	1.84E+00	5.26E-01	6.18E-01	7.54E-01	pCi/g
06-05002-05	TRG	SS-03 (61"-80")	04/25/06 17:30	5/1/2006	5/17/2006	06-05002	Radium-228	EPA 904.0 Modified	1.66E+00	6.15E-01	6.81E-01	9.42E-01	pCi/g
06-05002-06	TRG	SS-03 (80"-85")	04/25/06 17:30	5/1/2006	5/17/2006	06-05002	Radium-228	EPA 904.0 Modified	1.72E+00	4.97E-01	5.83E-01	7.27E-01	pCi/g
06-05002-07	TRG	SS-07 (46"-62")	04/26/06 17:45	5/1/2006	5/17/2006	06-05002	Radium-228	EPA 904.0 Modified	9.54E-01	5.43E-01	5.68E-01	8.69E-01	pCi/g
06-05002-08	TRG	SS-07 (62"-75")	04/26/06 17:45	5/1/2006	5/17/2006	06-05002	Radium-228	EPA 904.0 Modified	1.29E+00	5.80E-01	6.24E-01	9.07E-01	pCi/g
06-05002-09	TRG	SS-07 (75"-78")	04/26/06 17:45	5/1/2006	5/17/2006	06-05002	Radium-228	EPA 904.0 Modified	4.15E+00	6.94E-01	1.01E+00	9.02E-01	pCi/g
06-05002-10	TRG	SS-11 (66"-97")	04/27/06 14:15	5/1/2006	5/17/2006	06-05002	Radium-228	EPA 904.0 Modified	9.63E-01	9.69E-01	9.84E-01	1.61E+00	pCi/g
06-05002-11	TRG	SS-11 (97"-107")	04/27/06 14:15	5/1/2006	5/17/2006	06-05002	Radium-228	EPA 904.0 Modified	1.42E+00	8.33E-01	8.70E-01	1.33E+00	pCi/g
06-05002-12	TRG	SS-11 (107"-110")	04/27/06 14:15	5/1/2006	5/17/2006	06-05002	Radium-228	EPA 904.0 Modified	1.19E+00	6.55E-01	6.88E-01	1.04E+00	pCi/g
06-05002-13	TRG	SS-12 (29"-73")	04/27/06 16:20	5/1/2006	5/17/2006	06-05002	Radium-228	EPA 904.0 Modified	4.70E-01	4.78E-01	4.85E-01	7.95E-01	pCi/g
06-05002-14	TRG	SS-05 (67"-93")	04/26/06 13:30	5/1/2006	5/17/2006	06-05002	Radium-228	EPA 904.0 Modified	1.03E+00	5.38E-01	5.68E-01	8.49E-01	pCi/g

CU=Counting Uncertainty;TPU=Total Propagated Uncertainty;MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original

SECTION V
ANALYTICAL STANDARD

Ba-6
(#6a)



National Institute of Standards & Technology

Certificate

Standard Reference Material 4251C Barium-133 Radioactivity Standard

This Standard Reference Material (SRM) consists of radioactive barium-133 chloride, non-radioactive barium chloride, and hydrochloric acid dissolved in 5 mL of distilled water. The solution is contained in a flame-sealed NIST borosilicate-glass ampoule. The SRM is intended for the calibration of ionization chambers and solid-state gamma-ray spectrometry systems.

Radiological Hazard

The SRM ampoule contains barium-133 with a total activity of approximately 2.5 MBq. Barium-133 decays by electron capture and during the decay process X-rays and gamma rays with energies from 4 to 400 keV are emitted. Most of these photons escape from the SRM ampoule and can represent a radiation hazard. Approximate unshielded dose rates at several distances (as of the reference time) are given in note [a]*. Appropriate shielding and/or distance should be used to minimize personnel exposure. The SRM should be used only by persons qualified to handle radioactive material.

Chemical Hazard

The SRM ampoule contains hydrochloric acid (HCl) with a concentration of 1 mole per liter of water. The solution is corrosive and represents a health hazard if it comes in contact with eyes or skin. If the ampoule is to be opened to transfer the solution, the recommended procedure is given on page 2. The ampoule should be opened only by persons qualified to handle both radioactive material and strong acid solution.

Storage and Handling

The SRM should be stored and used at a temperature between 5 and 65 °C. The solution in an unopened ampoule should remain stable and homogeneous until at least June 2004.

The ampoule (or any subsequent container) should always be clearly marked as containing radioactive material. If the ampoule is transported it should be packed, marked, labeled, and shipped in accordance with the applicable national, international, and carrier regulations. The solution in the ampoule is a dangerous good (hazardous material) both because of the radioactivity and because of the strong acid.

Preparation

This Standard Reference Material was prepared in the Physics Laboratory, Ionizing Radiation Division, Radioactivity Group, J.M.R. Hutchinson, Group Leader. The overall technical direction and physical measurements leading to certification were provided by L.L. Lucas of the Radioactivity Group and D.B. Golas, Nuclear Energy Institute Research Associate.

The support aspects involved in the preparation, certification, and issuance of this SRM were coordinated through the Standard Reference Materials Program by N.M. Trahey.

Gaithersburg, Maryland 20899
October 1994

Thomas E. Gills, Chief
Standard Reference Materials Program



QUALITY CONTROL PROGRAM
QCP-009

Rev.8; 11/10/03
Title: Radioactive Reference Standards Solutions & Records

EBERLINE SERVICES - OAK RIDGE LABORATORY
RADIOACTIVE REFERENCE SOLUTIONS
PRIMARY DILUTION RECERTIFICATION
QCP 009-1

SOLUTION REFERENCE # NIST SRM4251C CURRENT DATE 11/8/2005 0:00
SOLUTION # Ba-6

Principal Radionuclide	Half Life, Years	Half Life, Days
¹³³ Barium	<u>1.048E+01</u>	<u>3.828E+03</u>

Radionuclide	<u>¹³³Barium</u>	Reference Date	<u>9/1/1993 0:00</u>
Certified Activity	<u> </u> μ Ci		
Certified Concentration	<u>1.318E+01</u> μ Ci per gram		

Ampoule /Solution Gross	<u>9.3081</u>	Weight, Grams
Empty Ampoule	<u>4.2582</u>	Weight, Grams
Solution Net	<u>5.0499</u>	Weight, Grams
Total Activity in Ampoule	<u>66.5577</u>	μ Ci

Chemical Composition of Standard Solution
¹³³BaCl₂ in 1M HCl

Dilution Instructions: Dilution Solvent Used 1M HCl

Dilute to a volume of 1000.00 milliliters

Certified Total Activity of 66.5577 μ Ci Which Equals 1.478E+08 dpm at the date listed above

And after dilution the activity of this solution is 1.478E+05 dpm/ml This activity concentration is based on the original reference date listed above. All activities are corrected to the date and time of analysis by the laboratory data processing software.

Expiration Date: November 8, 2006

Diluted By *[Signature]* Date: 11/8/05

Verified & Approved By *[Signature]* Date: 11/8/05

QC Approval *[Signature]* Date: 11/8/05



QUALITY CONTROL PROGRAM
QCP-009

Rev.8; 11/10/03
Title: Radioactive Reference Standards Solutions & Records

EBERLINE SERVICES - OAK RIDGE LABORATORY
RADIOACTIVE REFERENCE STANDARD SOLUTIONS
SECONDARY DILUTION RECERTIFICATION

Solution Reference #		QCP-009-1-A	Date	11/8/05
		NIST SRM4251C	Solution #	Ba-6a
Principal Radionuclide	Half Life, Years	Half Life, Days		
¹³³ Ba	1.048E+01	3.828E+03		

Radionuclide of Interest	¹³³ Ba	Reference Date	9/1/1993 0:00
Parent Solution Conc.	1.48E+05 dpm/ml		

Chemical Composition of Standard Solution
¹³³BaCl₂ in 1M HCl

Dilution Instructions:	Dilution Solvent Used	1M HCl
------------------------	-----------------------	--------

SECONDARY VOLUMETRIC DILUTION

Vol. Parent Solution:	25.0000 ml	Final Activity Concentration:	3.6950E+03 dpm/ml
Total Activity:	3.6950E+06 dpm		
Final Volume:	1000.00 ml		

NOTES: This activity concentration is based on the original reference date listed above. All activities are corrected to the date and time of analysis by the laboratory data processing software.

Expiration Date: November 8, 2006

Diluted By: M.A. Date: 11/8/05
 Verified & Approved By: [Signature] Date: 11/8/05
 QC Approval: [Signature] Date: 11/8/05

CERTIFICATE OF CALIBRATION ALPHA STANDARD SOLUTION

^{Ra-5}
QA/QC REVIEWED
Date 2/8/94 Initials mt

Radionuclide: Ra-226 Customer: TMA EBERLINE
Half Life: 1600 ± 7 years P.O.No.: VH1888
Catalog No.: 7226 Reference Date: February 1 1994 12:00 PST.
Source No.: 453-26 Contained Radioactivity: (Ra-226) 1.001 µCi.
Contained Radioactivity: (Ra-226) 37.0 kBq.

Description of Solution

- a. Mass of solution: 5.1864 g (in a 5 ml Flame Sealed Ampoule)
b. Chemical form: Ra(NO₃)₂ in 1 N HNO₃
c. Carrier content: None added
d. Density: 1.0318 g/ml @ 20°C.

Radioimpurities

None detected(other than daughters)

Radioactive Daughters

Rn-222, Po-218, At-218, Pb-214, Bi-214, Po-214, Tl-210, Pb-210, Bi-210, Po-210 and Tl-206.

Radionuclide Concentration

(Ra-226) 0.1929 µCi/g.

Method of Calibration

Weighed aliquots of the solution were assayed using gamma spectrometry:

Energy peak(s) integrated under: 186 keV.

Branching ratio(s) used: 0.0351 gamma rays per decay.

Uncertainty of Measurement

- a. Systematic uncertainty in instrument calibration: ±3.4 %
b. Random uncertainty in assay: ±3.1 %
c. Random uncertainty in weighing(s): ±0.2 %
d. Total uncertainty at the 99% confidence level: ±4.6 %

NIST Traceability

This calibration is implicitly traceable to the National Institute of Standards and Technology.

Leak Test(s)

See reverse side for Leak Test(s) applied to this source.

Notes

1. Nuclear data were taken from "Table of Radioactive Isotopes", edited by Virginia S. Shirley, 1986.
2. IPL participates in an NIST measurement assurance program to establish and maintain implicit traceability for a number of nuclides, based on the blind assay (and later NIST certification) of Standard Reference Materials (As in NRC Regulatory Guide 4.15).



ISOTOPE PRODUCTS LABORATORIES
1800 North Keystone Street
Burbank, California 91504
(818) 843 - 7000

Ana H. Kuen
QUALITY CONTROL

Feb. 3, 1994
Date Signed



QUALITY CONTROL PROGRAM

MP 009

Rev.8; 11/01/03

Title: Radioactive Reference Standards Solutions & Records

EBERLINE SERVICES - OAK RIDGE LABORATORY RADIOACTIVE REFERENCE SOLUTIONS PRIMARY DILUTION RECERTIFICATION MP 009

SOLUTION REFERENCE # IPL 453-26 CURRENT DATE 1/4/2006 0:00
SOLUTION # Ra-5

Principal Radionuclide ²²⁶Radium Half Life, Years 1.600E+03 Half Life, Days 5.844E+05

Radionuclide ²²⁶Radium Reference Date 2/1/1994 0:00
Certified Activity 1.001E+00 μCi
Certified Concentration $\mu\text{Ci per gram}$

Ampoule /Solution Gross Weight, Grams
Empty Ampoule Weight, Grams
Solution Net Weight, Grams
Total Activity in Ampoule 1.0010 μCi

Chemical Composition of Standard Solution
²²⁶Ra(NO₃)₂ in 1M HNO₃

Dilution Instructions: Dilution Solvent Used 1M HNO₃

Dilute to a volume of 1000.00 milliliters

Certified Total Activity of 1.0010 μCi Which Equals 2.222E+06 dpm at the date listed above

And after dilution the activity of this solution is 2.222E+03 dpm/ml
This activity concentration is based on the original reference date listed above. All activities are corrected to the date and time of analysis by the laboratory data processing software.

Expiration Date: January 4, 2007

Diluted By *[Signature]* Date: 1/4/2006

Verified & Approved By *[Signature]* Date: 1/4/2006

QC Approval *[Signature]* Date: 1/4/2006



QUALITY CONTROL PROGRAM

MP 009

Rev.6; 11/01/03

Title: Radioactive Reference Standards Solutions & Records

EBERLINE SERVICES - OAK RIDGE LABORATORY
RADIOACTIVE REFERENCE STANDARD SOLUTIONS
SECONDARY DILUTION RECERTIFICATION

Solution Reference #		MP 009 IPL-453-26	Date	1/4/2006 0:00
Solution #				Ra-5b
Principal Radionuclide	Half Life, Years		Half Life, Days	
²²⁶ Radium	1.600E+03		5.844E+05	
Radionuclide of Interest	²²⁶ Radium	Reference Date	2/1/1994 0:00	
Parent Solution Conc.	2.22E+03 dpm/ml			
Chemical Composition of Standard Solution				
²²⁶ Ra(NO ₃) ₂ in 1M HNO ₃				

Dilution Instructions: Dilution Solvent Used 1M HNO₃

SECONDARY VOLUMETRIC DILUTION

Vol. Parent Solution:	20.0000 ml	Final Activity Concentration:	4.4440E+01 dpm/ml
Total Activity:	4.4440E+04 dpm	This activity concentration is based on the original reference date listed above. All activities are corrected to the date and time of analysis by the laboratory data processing software.	
Final Volume:	1000.00 ml		

NOTES:

Expiration Date: January 4, 2007

Diluted By		Date:	1/4/2006 0:00
Verified & Approved By		Date:	1/4/2006 0:00
QC Approval		Date:	1/4/2006 0:00



CERTIFICATE OF CALIBRATION
Standard Radionuclide Source

61680-416

Ra-228 5 mL Liquid in Flame Sealed Vial

This standard radionuclide source was prepared gravimetrically from a calibrated master solution. The master solution was calibrated using a germanium gamma spectrometer system.

Radionuclide purity and calibration were checked using a germanium gamma spectrometer system. The nuclear decay rate and assay date for this source are given below.

ANALYTICS maintains traceability to the National Institute of Standards and Technology through Measurements Assurance Programs as described in USNRC Reg. Guide 4.15, Revision 1.

ISOTOPE:	Ra-228
ACTIVITY (dps):	3.586 E3
HALF-LIFE:	5.75 years
CALIBRATION DATE:	June 4, 2001 12:00 EST
TOTAL UNCERTAINTY*:	5.1%
SYSTEMATIC:	3.6%
RANDOM:	1.5%

RECEIVED
 DATE 6/11/01
 INITIALS [Signature]

*99% Confidence Level

Impurities: γ -impurities (other than decay products) <0.1%

5.00872 grams 0.1M HCl solution with 50 μ g/g Ba carrier.

P O NUMBER 00008864, Item 1

SOURCE PREPARED BY:

M. D. Currie
M. D. Currie, Radiochemist

Q A APPROVED:

RCM/6/8/01



QUALITY CONTROL PROGRAM

MP-009

Rev.8; 1/10/03

Title: Radioactive Reference Standards Solutions & Records

EBERLINE SERVICES - OAK RIDGE LABORATORY RADIOACTIVE REFERENCE SOLUTIONS PRIMARY DILUTION RECERTIFICATION MP 009

SOLUTION REFERENCE # Analytics 61680-416 CURRENT DATE 1/10/2006 0:00
SOLUTION # Ra-10

Principal Radionuclide ²²⁸Ra Half Life, Years 5.750E+00 Half Life, Days 2.100E+03

Radionuclide ²²⁸Ra Reference Date 6/4/2001 0:00
Certified Activity 9.692E-02 μCi
Certified Concentration $\mu\text{Ci per gram}$

Ampoule /Solution Gross 9.4982 Weight, Grams
Empty Ampoule 4.4895 Weight, Grams
Solution Net 5.0087 Weight, Grams
Total Activity in Ampoule 0.0969 μCi

Chemical Composition of Standard Solution
²²⁸Ra(NO₃)₂ in 0.5 M HCl

Dilution Instructions: Dilution Solvent Used 0.5 M HCl

Dilute to a volume of 1000.00 milliliters

Certified Total Activity of 0.0969 μCi Which Equals 2.152E+05 dpm at the date listed above

And after dilution the activity of this solution is 2.152E+02 dpm/ml This activity concentration is based on the original reference date listed above. All activities are corrected to the date and time of analysis by the laboratory data processing software.

Expiration Date: January 10, 2007

Recertified By [Signature] Date: 1/10/2006 0:00

Verified & Approved By [Signature] Date: 1/10/2006 0:00

QC Approval [Signature] Date: 1/10/2006 0:00

SECTION VI
QUALITY CONTROL SAMPLE RESULTS SUMMARY

WO	Analysis	Run	Activity Units	Aliquot Units	Client Name
06-05002	Ra226	1	pCi	g	ICON Environmental Services, Inc.

Laboratory Control Sample

Analyte	Normalized Difference	LCS Measured	TPU Measured	LCS Expected	Uncert. Expected	Known	Known Error	Result	TPU	Standard ID	Standard ACT (dpm)	Standard Error	Standard Added (g)
RA-226	1.27	91.60%	13.83%	100.00%	4.60%	1.04E+01	4.77E-01	9.51E+00	1.31E+00	Ra-5b	4.42E+01	4.60E+00	5.21E-01

Matrix Spike

Analyte	Normalized Difference	MS Actual % Rec	Expected MS Result	Expected MS Uncert	Actual MS Result	Actual MS TPU	Sample Result	Sample TPU	Sample Aliquot	Standard ID	Standard ACT (dpm)	Standard Error %	Standard Added (g)

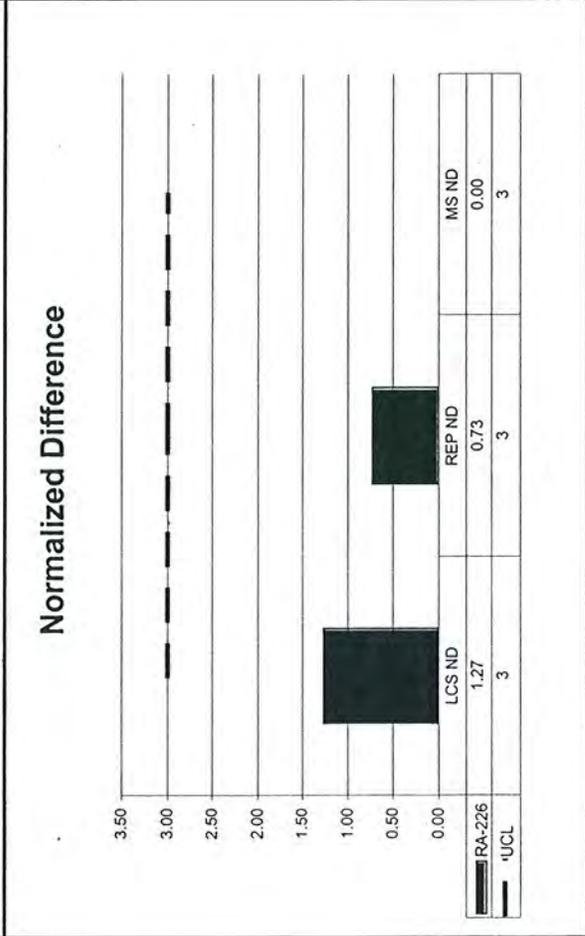
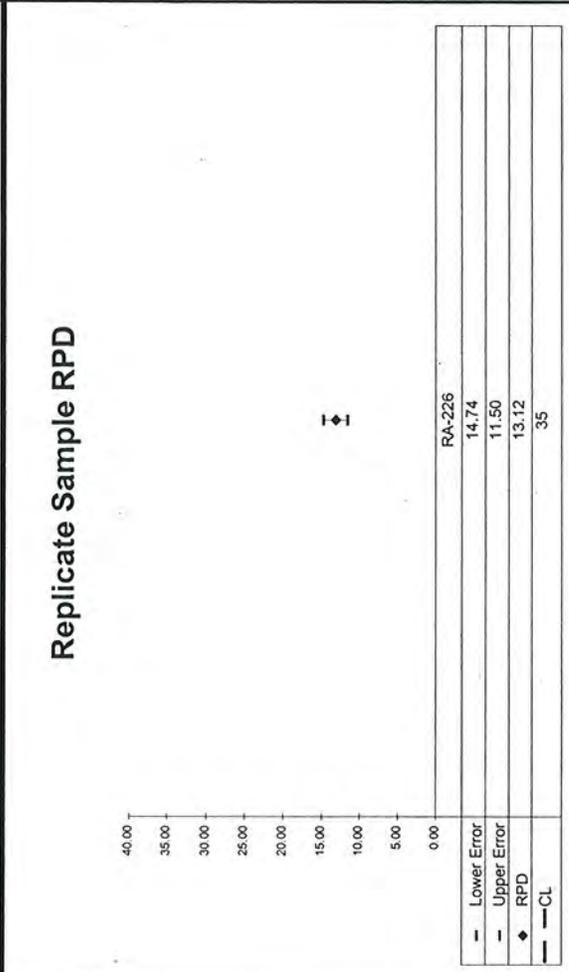
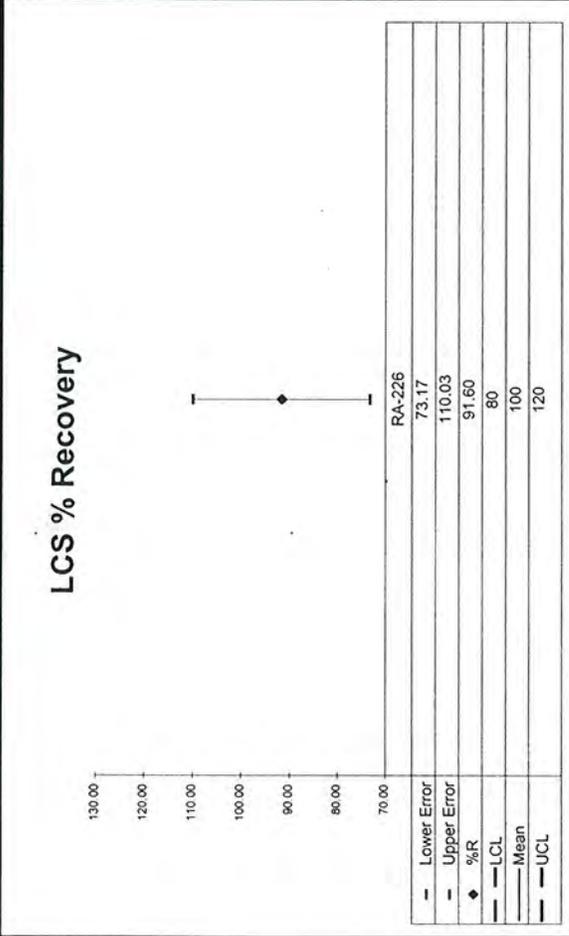
Replicate Sample

Analyte	Normalized Difference	RPD	Original Result	Original TPU	Replicate Result	Replicate TPU	LCS Relative Bias	LCS % R	LCS ND	MS % R	MS ND	Rep RPD	Rep ND
RA-226	0.73	13.12	3.20E+00	7.69E-01	2.81E+00	7.18E-01	0.92	OK	OK			OK	OK

QC Summary

Analyte	Normalized Difference	RPD	Original Result	Original TPU	Replicate Result	Replicate TPU	LCS Relative Bias	LCS % R	LCS ND	MS % R	MS ND	Rep RPD	Rep ND
RA-226	0.73	13.12	3.20E+00	7.69E-01	2.81E+00	7.18E-01	0.92	OK	OK			OK	OK

W/O	Analysis	Run	Activity Units	Aliquot Units	Client Name
06-05002	Ra226	1	pCi	g	ICON Environmental Services, Inc.



No Matrix Spike

W/O	Analysis	Run	Activity Units	Aliquot Units	Client Name
06-05002	Ra228	1	pCi	g	ICON Environmental Services, Inc.

Laboratory Control Sample

Analyte	Normalized Difference	LCS Measured	TPU Measured	LCS Expected	Uncert. Expected	Known	Known Error	Result	TPU	Standard ID	Standard ACT (dpm)	Standard Error	Standard Added (g)
RA-228	0.56	94.87%	18.56%	100.00%	4.50%	1.87E+01	8.42E-01	1.78E+01	3.30E+00	Ra-10	1.19E+02	4.50E+00	3.50E-01

Matrix Spike

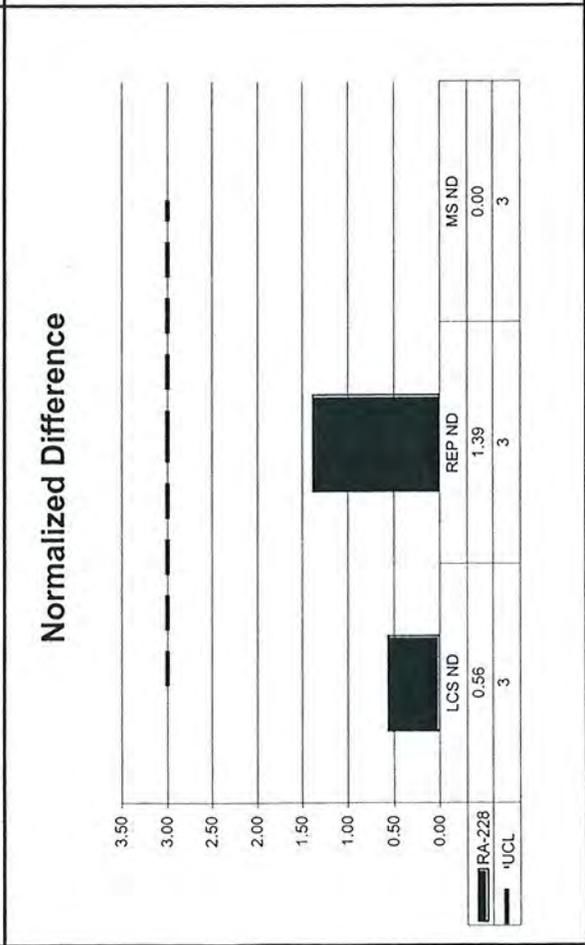
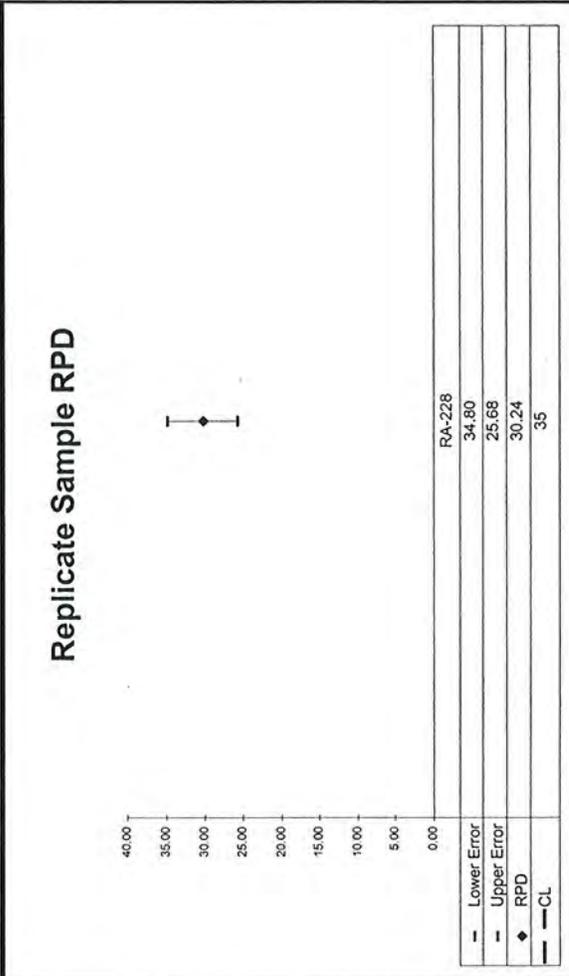
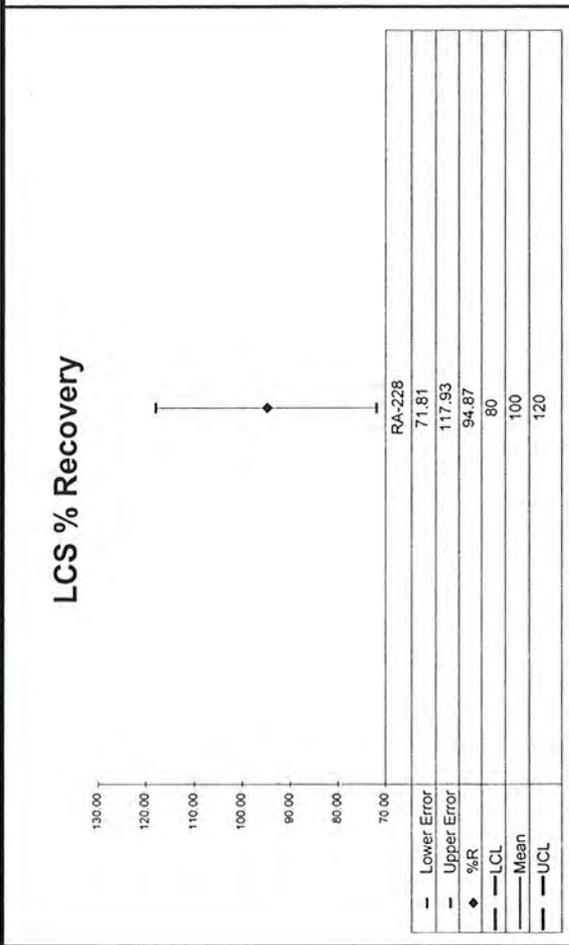
Analyte	Normalized Difference	MS Actual % Rec	Expected MS Result	Expected MS Uncert	Actual MS Result	Actual MS TPU	Sample Result	Sample TPU	Sample Aliquot	Standard ID	Standard ACT (dpm)	Standard Error %	Standard Added (g)

Replicate Sample

Analyte	Normalized Difference	RPD	Original Result	Original TPU	Replicate Result	Replicate TPU	LCS Relative Bias	LCS % R	LCS ND	MS % R	MS ND	Rep RPD	Rep ND
RA-228	1.39	30.24	1.84E+00	6.18E-01	2.50E+00	6.90E-01	0.95	OK	OK			INV	OK

QC Summary

WO	Analysis	Run	Activity Units	Aliquot Units	Client Name
06-05002	Ra228	1	pCi	g	ICON Environmental Services, Inc.



No Matrix Spike

SECTION VII
LABORATORY TECHNICIAN'S NOTES

RA-226 NOTES

 EBERLINE <small>SERVICES</small> Work Order Analysis Notes	Oak Ridge Laboratory 601 Scarboro Rd. Oak Ridge, TN 37830 Voice: 865.481.0683 www.eberlineservices.com	Internal Work Order	06-05002
		Analysis Code	Ra226
		Run Number	1

#	Date	Dept	User	Notes
1	05/04/06 06:31	PREP	JBARNARD	ALIUQUOTED AND ADDED SPIKES AND TRACERS- ADDED HF AND DRIED SAMPLES DOWN UNTIL NEAR DRY- ADDED MIXED ACIDS AND TOOK SAMPLES TO DRYNESS- PH'D SAMPLES TO 2.8-3.0- PRECIPITATED WITH POTASSIUM SULFATE AND BA AND PB CARRIERS- DECANTED SAMPLES AND CENTRIFUGED- ADDED .25M EDTA AND PHENOLPHTHALIEN TO PRECIP, VORTEXED AND PUT SAMPLES IN A HOT WATER BATH- VORTEXED AND CHECKED PH- CENTRIFUGED AND TRANSFERRED SUPERNATE INTO CLEAN C-TUBES AND SUBMITTED TO SEPARATIONS

J. Barnard
5/4/06

 EBERLINE <small>SERVICES</small> Work Order Analysis Notes	Oak Ridge Laboratory 601 Scarboro Rd. Oak Ridge, TN 37830 Voice: 865.481.0683 www.eberlineservices.com	Internal Work Order	06-05002
		Analysis Code	Ra226
		Run Number	1

#	Date	Dept	User	Notes
1	05/04/06 06:31	PREP	JBARNARD	ALIUQUOTED AND ADDED SPIKES AND TRACERS- ADDED HF AND DRIED SAMPLES DOWN UNTIL NEAR DRY- ADDED MIXED ACIDS AND TOOK SAMPLES TO DRYNESS- PH'D SAMPLES TO 2.8-3.0- PRECIPITATED WITH POTASSIUM SULFATE AND BA AND PB CARRIERS- DECANTED SAMPLES AND CENTRIFUGED- ADDED .25M EDTA AND PHENOLPHTHALIEN TO PRECIP, VORTEXED AND PUT SAMPLES IN A HOT WATER BATH- VORTEXED AND CHECKED PH- CENTRIFUGED AND TRANSFERRED SUPERNATE INTO CLEAN C-TUBES AND SUBMITTED TO SEPARATIONS
2	05/08/06 12:14	PREP	JBARNARD	FRACTIONS 9-14 FLAKED ON SEPARATIONS SIDE- THESE SAMPLES WERE RESTARTED AND A DIRECT LEACH WAS PERFORMED

Handwritten signature: J. Barnard

 EBERLINE <small>SERVICES</small> Work Order Analysis Notes	Oak Ridge Laboratory 601 Scarboro Rd. Oak Ridge, TN 37830 Voice: 865.481.0683 www.eberlineservices.com	Internal Work Order	06-05002
		Analysis Code	Ra226
		Run Number	1

#	Date	Dept	User	Notes
1	05/04/06 06:31	PREP	JBARNARD	ALIUQUOTED AND ADDED SPIKES AND TRACERS- ADDED HF AND DRIED SAMPLES DOWN UNTIL NEAR DRY- ADDED MIXED ACIDS AND TOOK SAMPLES TO DRYNESS- PH'D SAMPLES TO 2.8-3.0- PRECIPITATED WITH POTASSIUM SULFATE AND BA AND PB CARRIERS- DECANTED SAMPLES AND CENTRIFUGED- ADDED .25M EDTA AND PHENOLPHTHALIEN TO PRECIP, VORTEXED AND PUT SAMPLES IN A HOT WATER BATH- VORTEXED AND CHECKED PH- CENTRIFUGED AND TRANSFERRED SUPERNATE INTO CLEAN C-TUBES AND SUBMITTED TO SEPARATIONS
2	05/08/06 12:14	PREP	JBARNARD	FRACTIONS 9-14 FLAKED ON SEPARATIONS SIDE- THESE SAMPLES WERE RESTARTED AND A DIRECT LEACH WAS PERFORMED
3	05/08/06 13:35	CHEM	DJOHNSON	Dissolved samples in EDTA with vortexing. Needed to syringe-filter samples due to insolubles. Re-precipitated samples with glacial acetic acid and ammonium sulfate. T0 time of 0945 hours on 4/27/06 was recorded. Filtered samples on tarred filters. Rinsed c-tubes and funnels with DiH2O and filtered. Dried and reweighed samples. Submitted samples to the count room.

AS 5/8/06

 Reagents Used in an Analysis		Internal Work Order		
		06-05002		
		Analysis Code		Run
		Ra226		1
Reagent ID	Reagent Name	Reagent Concentration	Analyst ID	Date Recorded
001772P	Ammonium Hydroxide	Reagent Grade	JBARNARD	5/4/2006
004332P	Hydrofluoric Acid	Reagent Grade	JBARNARD	5/4/2006
003958P	Nitric Acid	Reagent Grade	JBARNARD	5/4/2006
004127P	Perchloric Acid	Reagent Grade	JBARNARD	5/4/2006
004050P	Sulfuric Acid	Reagent Grade	JBARNARD	5/4/2006
004408P	Potassium Sulfate	Reagent Grade	JBARNARD	5/4/2006
003255D11	Barium Carrier	1 mg/ml	JBARNARD	5/4/2006
003601D07	Lead Carrier	40 mg/ml	JBARNARD	5/4/2006
004390S	EDTA	0.25M	JBARNARD	5/4/2006
003643S	Phenolphthalein Indicator	0.1%	JBARNARD	5/4/2006
000868P	Acetic Acid	Reagent Grade	DJOHNSON	5/8/2006
003215D05	Ammonium Sulfate	200 mg/ml	DJOHNSON	5/8/2006

DATE	SAMPLE#	CLIENT	LOAD TIME	CT. TIME	ANALYSIS	TECH
5-8-06	0604147A(2.3)	Duratek	1130	2HR 50m	Am ²⁴³ Cm ²⁴⁵ Pu	ML
5-8-06	0604147A (4)	Duratek	8-4446	2HR 50m	Am ²⁴³Cm ²⁴⁵Pu	ML
5-8-06	0604177B (1-4)	Leonville	1440	2HR 50m	Am	ML
5-8-06	0605021A (1-4,6)	Duratek	1440	2HR 50m	Ra	ML
5-8-06	0604176A (1-3)	Duratek	1440	2HR 50m	Ra	ML
5-8-06	0604176A (4)	Duratek	1566	2HR 50m	Ra	ML
5-8-06	0605002A (1-14)	ICAN	1811	2HR 50m	Ra	ML

RA-228 NOTES

 EBERLINE <small>SERVICES</small> Work Order Analysis Notes	Oak Ridge Laboratory 601 Scarboro Rd. Oak Ridge, TN 37830 Voice: 865.481.0683 www.eberlineservices.com	Internal Work Order	06-05002
		Analysis Code	Ra228
		Run Number	1

#	Date	Dept	User	Notes
1	05/04/06 06:32	PREP	JBARNARD	ALIUQUOTED AND ADDED SPIKES AND TRACERS- ADDED HF AND DRIED SAMPLES DOWN UNTIL NEAR DRY- ADDED MIXED ACIDS AND TOOK SAMPLES TO DRYNESS- PH'D SAMPLES TO 2.8-3.0- PRECIPITATED WITH POTASSIUM SULFATE AND BA AND PB CARRIERS- DECANTED SAMPLES AND CENTRIFUGED- ADDED .25M EDTA AND PHENOLPHTHALIEN TO PRECIP, VORTEXED AND PUT SAMPLES IN A HOT WATER BATH- VORTEXED AND CHECKED PH- CENTRIFUGED AND TRANSFERRED SUPERNATE INTO CLEAN C-TUBES AND SUBMITTED TO SEPARATIONS

J. Barnard
5/4/06

 EBERLINE <small>SERVICES</small> Work Order Analysis Notes	Oak Ridge Laboratory 601 Scarboro Rd. Oak Ridge, TN 37830 Voice: 865.481.0683 www.eberlineservices.com	Internal Work Order	06-05002
		Analysis Code	Ra228
		Run Number	1

#	Date	Dept	User	Notes
1	05/04/06 06:32	PREP	JBARNARD	ALIQUOTED AND ADDED SPIKES AND TRACERS- ADDED HF AND DRIED SAMPLES DOWN UNTIL NEAR DRY- ADDED MIXED ACIDS AND TOOK SAMPLES TO DRYNESS- PH'D SAMPLES TO 2.8-3.0- PRECIPITATED WITH POTASSIUM SULFATE AND BA AND PB CARRIERS- DECANTED SAMPLES AND CENTRIFUGED- ADDED .25M EDTA AND PHENOLPHTHALIEN TO PRECIP, VORTEXED AND PUT SAMPLES IN A HOT WATER BATH- VORTEXED AND CHECKED PH- CENTRIFUGED AND TRANSFERRED SUPERNATE INTO CLEAN C-TUBES AND SUBMITTED TO SEPARATIONS
2	05/08/06 12:14	PREP	JBARNARD	FRACTIONS 9-14 FLAKED ON SEPARATIONS SIDE- THESE SAMPLES WERE RESTARTED AND A DIRECT LEACH WAS PERFORMED

JBarnard
5/8/06

 EBERLINE SERVICES Work Order Analysis Notes	Oak Ridge Laboratory 601 Scarboro Rd. Oak Ridge, TN 37830 Voice: 865.481.0683 www.eberlineservices.com	Internal Work Order	06-05002
		Analysis Code	Ra228
		Run Number	1

#	Date	Dept	User	Notes
1	05/04/06 06:32	PREP	JBARNARD	ALIUQUOTED AND ADDED SPIKES AND TRACERS- ADDED HF AND DRIED SAMPLES DOWN UNTIL NEAR DRY- ADDED MIXED ACIDS AND TOOK SAMPLES TO DRYNESS- PH'D SAMPLES TO 2.8-3.0- PRECIPITATED WITH POTASSIUM SULFATE AND BA AND PB CARRIERS- DECANTED SAMPLES AND CENTRIFUGED- ADDED .25M EDTA AND PHENOLPHTHALIEN TO PRECIP, VORTEXED AND PUT SAMPLES IN A HOT WATER BATH- VORTEXED AND CHECKED PH- CENTRIFUGED AND TRANSFERRED SUPERNATE INTO CLEAN C-TUBES AND SUBMITTED TO SEPARATIONS
2	05/08/06 12:14	PREP	JBARNARD	FRACTIONS 9-14 FLAKED ON SEPARATIONS SIDE- THESE SAMPLES WERE RESTARTED AND A DIRECT LEACH WAS PERFORMED
3	05/09/06 06:54	CHEM	DJOHNSON	Filters were returned from the count room and were placed into centrifuge tubes with EDTA.
4	05/10/06 10:16	CHEM	DJOHNSON	Removed filters from soaking and discarded them. Adjusted PH and added Yttrium carrier. Removed Lead interferences through two Lead Sulfide precipitations.
5	05/17/06 09:20	CHEM	DJOHNSON	Added 10mls of 18M NaOH to samples and recorded T1 time of 0710 hours. Hot bathed and centrifuged samples. The supernates were discarded. Dissolved samples in 2mls of 6N HNO3. Then added 5mls of DiH2O and 3mls of 10M NaOH.
6	05/17/06 09:20	CHEM	DJOHNSON	Then vortexed, hot bathed and centrifuged samples. The supernates were discarded. Then added 2mls of 1N HNO3 and 2mls of 5% Ammonium Oxalate. Samples were vortexed, hot bathed and centrifuged. The supernates were then discarded. The precipitates were
7	05/17/06 09:20	CHEM	DJOHNSON	slurried with 5mls of DiH2O and vortexing. The samples were filtered on tarred filters. The c-tubes and funnels were rinsed with DiH2O and filtered. The filters were dried, reweighed and mounted on planchets.
8	05/17/06 09:20	CHEM	DJOHNSON	Samples were covered in aluminum foil and submitted to the count room.

DJ 5/17/06



Reagents Used in an Analysis

Internal Work Order

06-05002

Analysis Code

Run

Ra228

1

Reagent ID	Reagent Name	Reagent Concentration	Analyst ID	Date Recorded
001772P	Ammonium Hydroxide	Reagent Grade	JBARNARD	5/4/2006
004332P	Hydrofluoric Acid	Reagent Grade	JBARNARD	5/4/2006
003958P	Nitric Acid	Reagent Grade	JBARNARD	5/4/2006
004127P	Perchloric Acid	Reagent Grade	JBARNARD	5/4/2006
004050P	Sulfuric Acid	Reagent Grade	JBARNARD	5/4/2006
004408P	Potassium Sulfate	Reagent Grade	JBARNARD	5/4/2006
003255D11	Barium Carrier	1 mg/ml	JBARNARD	5/4/2006
003601D07	Lead Carrier	40 mg/ml	JBARNARD	5/4/2006
004390S	EDTA	0.25M	JBARNARD	5/4/2006
003643S	Phenolphthalein Indicator	0.1%	JBARNARD	5/4/2006
002299S	Yttrium Carrier	9 mg/ml	DJOHNSON	5/10/2006
004201D10	Ammonium Sulfide	2%	DJOHNSON	5/10/2006
004335S	EDTA	0.25M	DJOHNSON	5/10/2006
004155P	Nitric Acid	Reagent Grade	DJOHNSON	5/10/2006
003601D06	Lead Carrier	1.5 mg/ml	DJOHNSON	5/10/2006
003809D06	Sodium Hydroxide	10M	DJOHNSON	5/17/2006
003809D07	Sodium Hydroxide	18M	DJOHNSON	5/17/2006
004155D06	Nitric Acid	1N	DJOHNSON	5/17/2006
003581D17	Nitric Acid	6N	DJOHNSON	5/17/2006
000831D07	Ammonium Oxalate	5%	DJOHNSON	5/17/2006

DATE	SAMPLE#	CLIENT	LOAD TIME	CT. TIME	ANALYSIS	TECH
5-16-06	Damp Bkws / QC	LAR	0052/0016	1HR/30m	Bkws / SQ	JP
5-16-06	060501AS (1-3,7,9,11)	CAS	0242	3HR	AS	JP
5-16-06	0605069AS (1-4) <small>TRG 205m</small>	AAI	0242	3HR	TOPRO	JP
5-16-06	0604123NPA (1-4)	STOLLER	0715	10min-	NA	JP
5-16-06	0605029NPA (1-4)	EURO	0715	10min	NP	JP
5-16-06	0604103RA1 (17-18)	Duratek	1565	4HR	Ra	JP
5-16-06	0604211SA (1-4)	USG	1549	2HR	Sr tot	JP
5-17-06	Damp Bkws / QC	LAR	0042/0000	1HR/30m	Bkws / SQ	JP
5-17-06	0605071BA (1-1)	NS	0520	4HR	ISI	JP
5-17-06	0605047AB (1-3,6)	DSSI	0527	1HR	AB	JP
5-17-06	0605042NPA (1-4)	Duratek	0706	10min-	NA	JP
5-17-06	0605002LA (1-4)	ICON	0930	2HR	Ra 22%	JP

SECTION VIII
ANALYTICAL DATA (RADIUM-226)

Work Order	06-05002
Analysis Code	Ra226
Run	1
Date Received	5/1/2006
Lab Deadline	5/15/2006
Client	ICON Environmental Services, Inc.
Project	Environmental
Report Level	4
Activity Units	pCi
Aliquot Units	g
Matrix	SL
Method	EPA 903.0 Modified
Instrument Type	Alpha Spectroscopy
Radiometric Tracer	Ba-133
Radiometric Sol#	Ba-6a
Tracer Act (dpm/g)	1599.443
Carrier	
Carrier Conc (mg/ml)	

Internal Fraction	Sample Desc	Client ID	Login CPM	Sample Date	Sample Aliquot
01	LCS	LCS		05/01/06 00:00	1.0000E+00
02	MBL	BLANK		05/01/06 00:00	1.0000E+00
03	DUP	SS-03 (54"-61")	44	04/25/06 17:30	1.0439E+00
04	DO	SS-03 (54"-61")	44	04/25/06 17:30	1.0093E+00
05	TRG	SS-03 (61"-80")	47	04/25/06 17:30	9.9740E-01
06	TRG	SS-03 (80"-85")	46	04/25/06 17:30	1.0348E+00
07	TRG	SS-07 (46"-62")	51	04/26/06 17:45	9.9700E-01
08	TRG	SS-07 (62"-75")	46	04/26/06 17:45	1.0098E+00
09	TRG	SS-07 (75"-78")	57	04/26/06 17:45	1.0016E+00
10	TRG	SS-11 (66"-97")	51	04/27/06 14:15	1.0047E+00
11	TRG	SS-11 (97"-107")	51	04/27/06 14:15	1.0015E+00
12	TRG	SS-11 (107"-110")	45	04/27/06 14:15	9.9030E-01
13	TRG	SS-12 (29"-73")	55	04/27/06 16:20	1.0039E+00
14	TRG	SS-05 (67"-93")	49	04/26/06 13:30	1.0024E+00

* SAF1 is used for Gross Alpha and all other radionuclides. SAF2 is used for Gross Beta only. ** Actual mass exceeded the calibration curve range. Results should be qualified as appropriate.

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Internal Fraction	Sample Desc	Client ID	Sample Date	Sample Aliquot	Tracer Aliquot (g)	Tracer ACT (dpm)	Radiometric Tracer (pCi)	Radiometric % Rec	SAF 1*	SAF 2*
01	LCS	LCS	05/01/06 00:00	1.0000	0.6431	1028.6018	468.3000	101.07	2.27	1.00
02	MBL	BLANK	05/01/06 00:00	1.0000	0.6371	1019.0051	471.0000	102.61	2.31	1.00
03	DUP	SS-03 (54"-61")	04/25/06 17:30	1.0439	0.6343	1014.5267	404.4000	88.49	2.91	1.00
04	DO	SS-03 (54"-61")	04/25/06 17:30	1.0093	0.6325	1011.6477	416.8000	91.46	2.96	1.00
05	TRG	SS-03 (61"-80")	04/25/06 17:30	0.9974	0.6308	1008.9286	419.8000	92.37	3.25	1.00
06	TRG	SS-03 (80"-85")	04/25/06 17:30	1.0348	0.6346	1015.0065	461.6000	100.96	3.09	1.00
07	TRG	SS-07 (46"-62")	04/26/06 17:45	0.9970	0.6328	1012.1275	410.7000	90.08	2.94	1.00
08	TRG	SS-07 (62"-75")	04/26/06 17:45	1.0098	0.6345	1014.8466	431.8000	94.46	2.31	1.00
09	TRG	SS-07 (75"-78")	04/26/06 17:45	1.0016	0.6439	1029.8813	450.8000	97.17	2.82	1.00
10	TRG	SS-11 (66"-97")	04/27/06 14:15	1.0047	0.6470	1034.8396	234.5000	50.31	1.71	1.00
11	TRG	SS-11 (97"-107")	04/27/06 14:15	1.0015	0.6453	1032.1206	291.7000	62.74	1.71	1.00
12	TRG	SS-11 (107"-110")	04/27/06 14:15	0.9903	0.6460	1033.2402	352.9000	75.82	1.76	1.00
13	TRG	SS-12 (29"-73")	04/27/06 16:20	1.0039	0.6462	1033.5601	439.1000	94.31	2.87	1.00
14	TRG	SS-05 (67"-93")	04/26/06 13:30	1.0024	0.6456	1032.6004	405.8000	87.24	2.31	1.00

Aliquot Worksheet

Work Order		Run	Analysis Code	Rpt Units	Lab Deadline	Technician	
06-05002		1	Ra226	grams	5/15/2006	JBARNARD	

Lab Fraction	ICON Environmental Services, Inc. Client ID	Sample Type	Muffle Data		Dilution Data			Aliquot Data		MS Aliquot Data		H-3 Solids Only	
			Ratio Post/Pre	No of Dils	Dil Factor	Ratio	Aliquot	Net Equiv	Aliquot	Net Equiv	Water Added (ml)	H3 Dist Aliq	
01	LCS	LCS					1.00E+00	1.0000E+00	1.0000E+00				
02	BLANK	MBL					1.00E+00	1.0000E+00	1.0000E+00				
03	SS-03 (54"-61")	DUP					1.00E+00	1.0439E+00	1.0439E+00				
04	SS-03 (54"-61")	DO					1.00E+00	1.0093E+00	1.0093E+00				
05	SS-03 (61"-80")	TRG					1.00E+00	9.9740E-01	9.9740E-01				
06	SS-03 (80"-85")	TRG					1.00E+00	1.0348E+00	1.0348E+00				
07	SS-07 (46"-62")	TRG					1.00E+00	9.9700E-01	9.9700E-01				
08	SS-07 (62"-75")	TRG					1.00E+00	1.0098E+00	1.0098E+00				
09	SS-07 (75"-78")	TRG					1.00E+00	1.0016E+00	1.0016E+00				
10	SS-11 (66"-97")	TRG					1.00E+00	1.0047E+00	1.0047E+00				
11	SS-11 (97"-107")	TRG					1.00E+00	1.0015E+00	1.0015E+00				
12	SS-11 (107"-110")	TRG					1.00E+00	9.9030E-01	9.9030E-01				
13	SS-12 (29"-73")	TRG					1.00E+00	1.0039E+00	1.0039E+00				
14	SS-05 (67"-93")	TRG					1.00E+00	1.0024E+00	1.0024E+00				

Comments	
----------	--

Technician: JBarnard Date: 5/8/06

**Rough Sample Preparation
 Log Book**

Work Order	Lab Deadline	Date Received in Prep	Date Sealed	Date Returned	Technician
06-05002	5/15/2006	5/1/2006	5/2/2006	5/3/2006	KSALLINGS

Eberline Fraction	ICON Environmental Services, Inc. Client ID	Tare (g)		Gross (g)		Net (g)		Percent		Gamma		Special Info
		Pan Wt	Dry Wt.	Wet Wt.	Dry Wt.	Wet Wt.	Dry Wt.	Liquid	Solid	Dry Wt.	LEPS Wt.	
04	SS-03 (54"-61")	14.0300	136.5400	337.5600	136.5400	323.5300	122.5100	62.13%	37.87%			
05	SS-03 (61"-80")	14.0800	141.6100	336.6100	141.6100	322.5300	127.5300	60.46%	39.54%			
06	SS-03 (80"-85")	14.0800	109.3100	301.2600	109.3100	287.1800	95.2300	66.84%	33.16%			
07	SS-07 (46"-62")	14.0400	88.6500	300.4300	88.6500	286.3900	74.6100	73.95%	26.05%			
08	SS-07 (62"-75")	14.0800	140.0300	337.5400	140.0300	323.4600	125.9500	61.06%	38.94%			
09	SS-07 (75"-78")	14.1200	103.2300	293.7500	103.2300	279.6300	89.1100	68.13%	31.87%			
10	SS-11 (66"-97")	14.0500	297.8000	425.8400	297.8000	411.7900	283.7500	31.09%	68.91%			
11	SS-11 (97"-107")	14.0800	193.8900	361.8100	193.8900	347.7300	179.8100	48.29%	51.71%			
12	SS-11 (107"-110")	14.0500	324.7800	324.7800	180.5300	310.7300	166.4800	46.42%	53.58%			
13	SS-12 (29"-73")	14.0100	127.2000	328.2500	127.2000	314.2400	113.1900	63.98%	36.02%			
14	SS-05 (67"-93")	14.0800	194.0900	352.9300	194.0900	338.8500	180.0100	46.88%	53.12%			

Comments
Special Codes
H: Hot, O: Organic Hazard, P: PCB Hazard, R: Rush, T: Other (see comments)



Technician: *Kenny Sallings*

Date: Analysis: Rough Prep Logbook

Analysis: Ra226 Page No. 5332

Eberline Services
Oak Ridge Laboratory

ALPHA SPECTROMETRY REPORT
9-MAY-2006 10:04:03

Spectral File: ND_AMS_ARCHIVE_C:C_0605002A-RA\$01_RA.CNF

BATCH ID:	0605002A-RA	*	SAMPLE ID:	01
SAMPLE DATE:	8-MAY-2006 00:00	*	ALIQUOT:	1.000E+00 gram
SAMPLE TITLE:	SPIKE	*	DETECTOR NUMBER:	033
ACQ DATE:	8-MAY-2006 18:06	*	AVERAGE EFFICIENCY:	21.18%
ELAPSED LIVE TIME:	10200.	*	RECOVERY:	100.00%
TRACER ID:	NONE	*	TRACER FWHM (kev):	0.00
LAMBDA VALUE:	0.	*	ROI TYPE:	MANUAL
TRACER DPM AT SAMPLE DATE:	0.000	*	CONFIDENCE FACTOR:	4.65
SAMPLE MATRIX:	SLUDGE	*	LLD CONSTANT:	2.71
ENERGY CAL DATE:	5-MAY-2006 01:31	*	EFF CAL DATE:	5-MAY-2006 01:31
BKG FILENAME:	B_033_5MAY06	*	BKG ELAPSED TIME:	60000.
		*	SAF:	2.27
		*		

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ gram	TPU/ERROR 2-SIGMA	MDC pCi/ gram
PO-218	6003.0	2575.94	0.51	100.0	3.223E+01	2.946E+00	1.713E-01
RN-222	5490.0	2467.15	0.34	99.9	3.088E+01	2.849E+00	1.541E-01
RA-226	4785.0	760.11	0.34	100.0	9.508E+00	1.232E+00	1.539E-01

Alan Gregley
Analyst

5/9/06
Date

Alan Gregley
Reviewer

5/9/06
Date

Spectrum : DKA100: [ALPHA,ALUSR,ARCHIVE,C]C_0605002A-RA\$01_RA,CNF;3

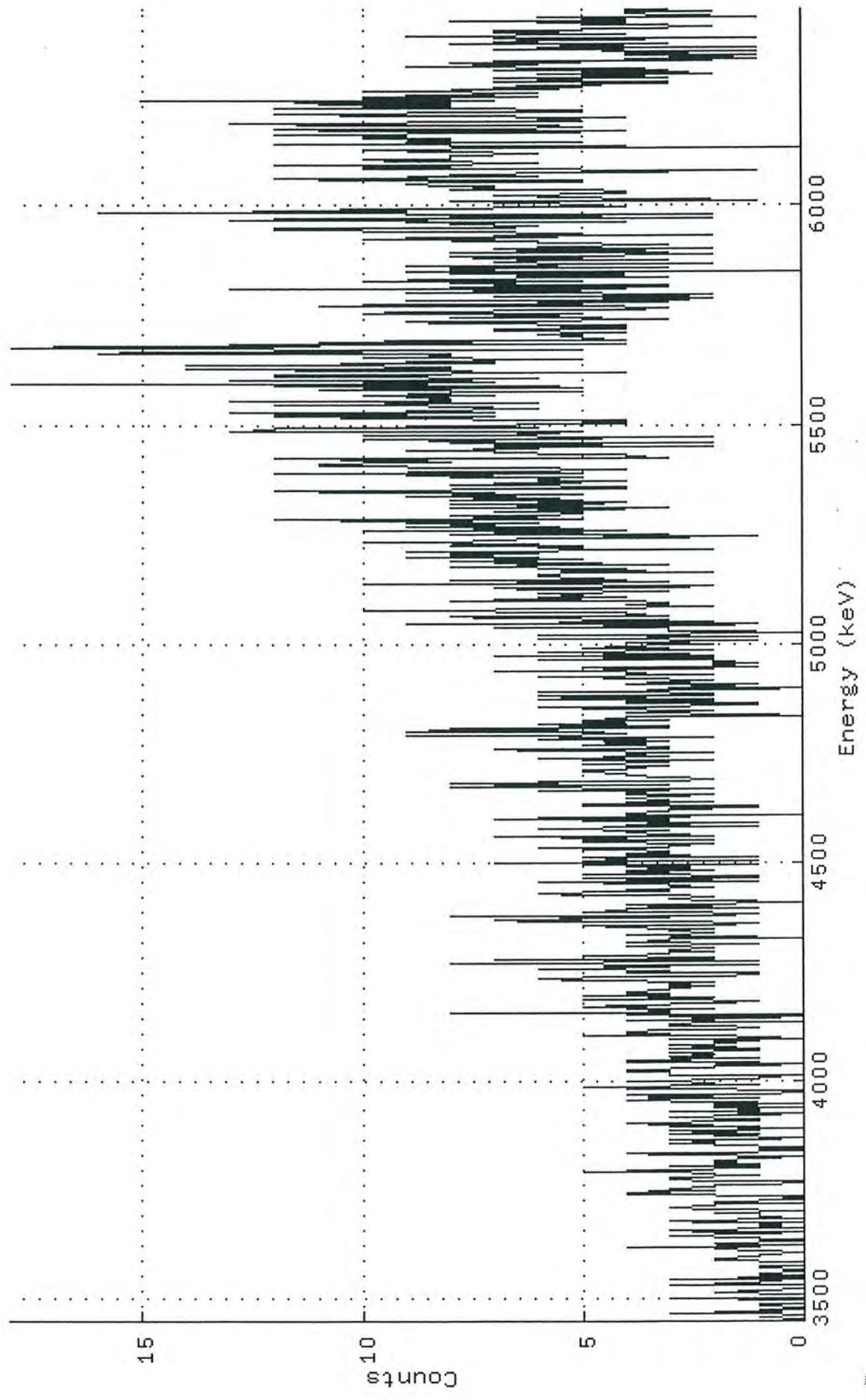
Title : 033

Sample Title: SPIKE

Start Time: 8-MAY-2006 18:06: Sample Time: 8-MAY-2006 00:00: Energy Offset: 3.44028E+03

Real Time : 0 02:50:00.50 Sample ID : 01 Energy Slope : 3.12047E+00

Live Time : 0 02:50:00.00 Sample Type: RA Energy Quad : -1.82492E-04



Channel Contents for ND_AMS_ARCHIVE_C:C_0605002A-RA\$01_RA

Channel

1:	1	1	0	0	0	1	0	1	3	1	0	1	0	1
15:	1	0	0	0	3	0	0	0	0	2	1	0	0	0
29:	0	3	1	1	0	3	0	1	0	1	0	0	0	1
43:	1	0	0	0	2	2	2	1	1	1	0	1	1	2
57:	1	4	0	2	0	1	0	2	1	3	1	0	2	3
71:	0	0	1	1	0	2	3	0	0	1	1	1	2	0
85:	2	2	3	2	2	0	2	0	1	0	0	4	2	4
99:	3	2	3	2	2	1	0	0	2	3	3	1	2	2
113:	3	5	3	1	1	3	1	2	2	2	1	1	0	3
127:	4	2	0	1	0	0	2	2	3	2	3	1	0	2
141:	1	3	2	1	3	0	3	1	3	4	1	2	1	3
155:	3	1	0	3	1	1	2	0	2	2	0	2	4	3
169:	1	3	4	1	0	0	3	3	5	1	2	2	3	4
183:	1	1	0	3	3	3	4	4	2	2	1	0	4	1
197:	4	2	1	3	2	3	3	3	3	1	2	3	2	2
211:	1	3	0	1	2	5	3	4	3	2	1	2	3	3
225:	2	0	4	1	0	3	0	8	3	3	4	2	5	4
239:	2	2	1	3	5	2	4	5	3	4	3	3	3	2
253:	3	3	2	2	5	6	4	2	1	1	4	3	5	6
267:	3	3	1	8	1	7	2	2	5	4	3	3	2	3
281:	2	3	4	1	4	4	3	3	0	2	4	3	2	3
295:	2	3	4	5	2	1	3	6	7	3	8	2	1	3
309:	5	4	4	1	3	4	3	0	2	3	3	2	3	5
323:	6	4	3	4	2	2	3	3	6	1	3	5	1	1
337:	4	5	3	4	2	3	4	1	3	7	1	5	4	5
351:	1	4	3	4	3	4	6	3	3	2	2	5	2	5
365:	4	7	2	3	4	4	3	6	3	1	4	3	1	5
379:	3	7	5	0	4	4	3	3	3	1	5	1	5	2
393:	4	3	4	4	3	2	4	4	3	6	2	8	6	3
407:	8	4	3	2	3	3	4	4	4	5	5	4	4	3
421:	5	5	3	5	2	6	3	3	4	4	2	6	7	3
435:	3	4	5	4	3	6	5	2	9	6	4	5	9	8
449:	3	8	3	6	4	5	3	5	4	4	0	1	4	2
463:	3	4	6	4	1	1	4	2	6	2	5	6	2	2
477:	4	6	1	0	3	2	1	4	3	2	4	3	6	2
491:	3	4	4	7	2	5	1	2	2	1	2	2	6	2
505:	7	2	3	6	6	2	4	5	4	3	2	4	1	5
519:	6	1	3	5	0	2	3	3	3	7	2	1	9	2
533:	4	3	7	8	3	4	4	4	10	4	5	2	4	3
547:	3	4	8	6	4	6	5	5	6	3	6	7	3	2
561:	7	10	3	8	4	5	6	6	6	5	2	5	6	4
575:	8	5	3	6	8	7	5	9	6	8	6	7	9	2
589:	4	6	5	8	6	10	8	7	6	4	1	8	3	7
603:	4	10	5	6	9	7	9	6	9	12	5	7	8	6
617:	5	5	7	5	3	8	5	8	5	4	8	5	6	9
631:	8	5	11	7	12	4	4	4	7	8	6	4	6	6
645:	5	7	9	5	12	6	5	4	7	11	10	11	9	8
659:	9	12	3	4	4	5	7	7	9	6	7	2	7	2
673:	8	7	10	7	2	10	7	6	5	13	12	12	6	9
687:	4	6	4	4	6	9	12	7	11	13	7	9	6	6
701:	8	9	12	6	13	8	8	9	9	7	10	8	8	5
715:	11	9	5	6	18	10	7	13	9	6	11	12	12	4
729:	6	9	14	8	8	11	14	7	7	9	5	10	9	8
743:	8	16	15	5	6	18	11	17	9	4	11	8	4	5
757:	5	5	6	4	4	7	4	7	4	4	4	8	9	7
771:	3	6	8	6	5	10	9	5	4	3	5	11	9	7
785:	3	9	3	2	7	3	2	7	9	6	4	13	3	3
799:	6	8	5	10	8	5	3	5	5	8	0	9	7	8
813:	3	9	2	5	7	6	3	7	8	6	2	4	8	5
827:	2	7	5	6	3	6	6	6	10	7	9	2	7	5
841:	8	8	12	12	7	6	7	7	9	4	13	11	2	7
855:	9	2	16	9	12	9	5	4	5	6	6	8	1	3
869:	6	5	7	4	5	4	5	8	7	7	8	9	8	5
883:	11	5	12	6	6	8	5	5	1	9	10	8	12	9
897:	6	6	9	10	8	8	8	8	6	8	8	10	6	0
911:	8	4	12	5	9	8	10	8	10	10	12	6	4	10
925:	12	7	5	6	10	13	5	5	6	4	4	9	12	11
939:	7	5	5	8	12	8	11	8	8	15	7	10	6	10
953:	7	9	6	9	10	6	5	7	6	3	5	3	7	5
967:	7	3	4	6	2	3	7	3	4	4	9	6	6	8
981:	2	7	1	2	2	4	1	4	1	2	7	1	6	5
995:	3	8	6	7	6	1	5	9	4	4	7	5	7	3
1009:	4	2	4	5	4	8	4	4	6	1	3	3	4	4
1023:	0	0												

Eberline Services
Oak Ridge Laboratory

Gross Sample Counts Within Peak Regions Generated: 9-MAY-2006 10:03:47.61

Detector ID: 33	Acquisition Start: 8-MAY-2006 18:06:15.01	
Live Time: 0 02:50:00.00	Real Time: 0 02:50:00.50	
Batch Id: 0605002A-RA	Sample Id: 01	
Sample Type: RA		

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4723.21	335	0240.28	421.52	379	82	3.28E-02	5.5		
2	0	5299.95	1087	0 0.00	618.32	522	176	1.07E-01	3.0		
3	0	5798.32	1135	0442.26	792.39	717	163	1.11E-01	3.0		

Background Counts Within Peak Regions Generated: 9-MAY-2006 10:04:01.34

	Acquisition Start: 5-MAY-2006 19:28:56.01	
Live Time: 0 16:40:00.00	Real Time: 0 16:40:00.10	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4718.37	2	0102.35	419.50	379	82	3.33E-05	70.7		
2	0	5276.31	2	0 77.54	609.50	522	176	3.33E-05	70.7		
3	0	5818.40	3	0133.36	798.00	717	163	5.00E-05	57.7		

Net Sample Counts Within Peak Regions Generated: 9-MAY-2006 10:04:01.58

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4723.21*	760	0240.28	421.52	379	82	7.45E-02	5.5		
2	0	5299.95*	2467	0 0.00	618.32	522	176	2.42E-01	3.0		
3	0	5798.32*	2576	0442.26	792.39	717	163	2.53E-01	3.0		

Flag: "*" = Peak area was modified by background subtraction

```

Configuration      : MCA0:[AMSCOUNT]00000C88$1
Analyses by       : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
Sample title      : SPIKE
Sample date       : 8-MAY-2006 00:00:00   Acquisition date : 8-MAY-2006 18:06:15
Sample ID        : 01                     Sample quantity  : 1.0000 gram
Sample type      : RA                     Sample geometry  :
Detector name    : 033                   Detector geometry:
Elapsed live time: 0 02:50:00.00         Elapsed real time: 0 02:50:00.50   0.0%
Energy tolerance : 150.00 keV           Half life ratio  : 8.00
Errors propagated: Yes                  Systematic Error : 3.00 %
Efficiency type  : Average value         Efficiencies at  : Peak Energy
Abundance limit  : 75.00
    
```

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/gram
0	4723.21*	760240.28	421.52	379	82	10.9			RA-226	9.51
0	5299.95*	2467	0.00	618.32	522	176	6.1		RN-222	30.9
0	5798.32*	2576442.26	792.39	717	163	5.9			PO-218	32.2

Eberline Services
Oak Ridge Laboratory

ALPHA SPECTROMETRY REPORT
9-MAY-2006 00:38:28

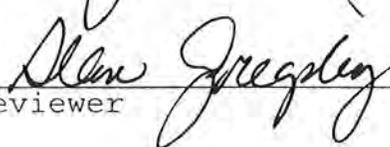
Spectral File: ND_AMS_ARCHIVE_R:R_0605002A-RA\$02_RA.CNF

BATCH ID:	0605002A-RA	*	SAMPLE ID:	02
SAMPLE DATE:	8-MAY-2006 00:00	*	ALIQOT:	1.000E+00 gram
SAMPLE TITLE:	BLANK	*	DETECTOR NUMBER:	034
ACQ DATE:	8-MAY-2006 18:06	*	AVERAGE EFFICIENCY:	19.99%
ELAPSED LIVE TIME:	10200.	*	RECOVERY:	100.00%
TRACER ID:	NONE	*	TRACER FWHM (kev):	0.00
LAMBDA VALUE:	0.	*	ROI TYPE:	STANDARD
TRACER DPM AT SAMPLE DATE:	0.000	*	CONFIDENCE FACTOR:	4.65
SAMPLE MATRIX:	SLUDGE	*	LLD CONSTANT:	2.71
ENERGY CAL DATE:	5-MAY-2006 01:31	*	EFF CAL DATE:	5-MAY-2006 01:31
BKG FILENAME:	B_034_5MAY06	*	BKG ELAPSED TIME:	60000.
		*	SAF:	2.31
		*		

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ gram	TPU/ERROR 2-SIGMA	MDC pCi/ gram
PO-218	6003.0	1.63	0.68	100.0	2.161E-02	6.192E-02	2.004E-01
RN-222	5490.0	8.39	0.85	99.9	1.113E-01	1.232E-01	2.144E-01
RA-226	4785.0	4.45	0.17	100.0	5.898E-02	8.681E-02	1.417E-01



Analyst


Reviewer

5-9-06

Date
5/9/06

Date

Spectrum : DKA100:[ALPHA.ALUSR.ARCHIVE.R]R_06050002A-RA\$02_RA.CNF;1

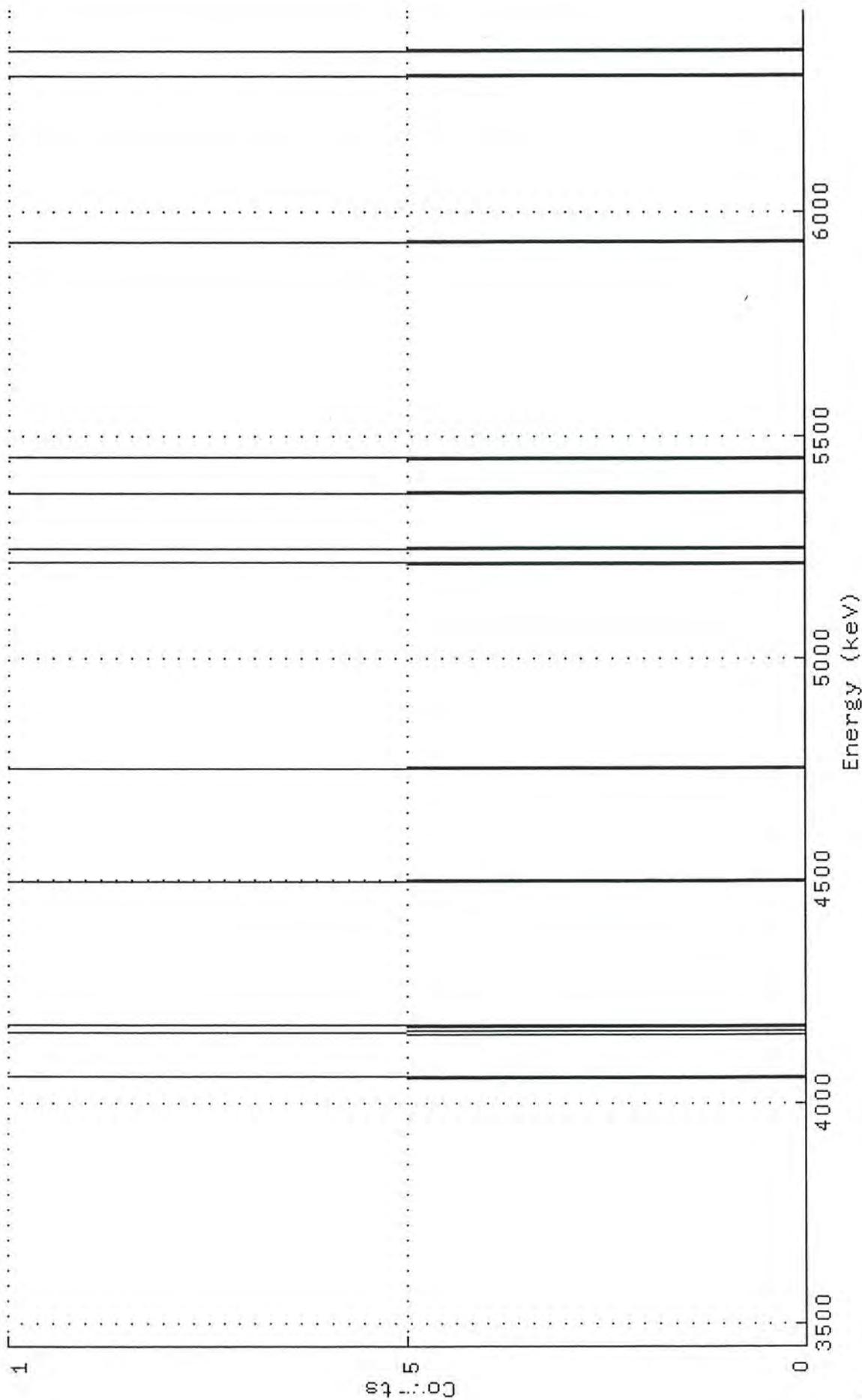
Title : 034

Sample Title: BLANK

Start Time: 8-MAY-2006 18:06: Sample Time: 8-MAY-2006 00:00: Energy Offset: 3.44004E+03

Real Time : 0 02:50:00.50 Sample ID : 02 Energy Slope : 3.10349E+00

Live Time : 0 02:50:00.00 Sample Type: RA Energy Quad : -1.61424E-04



Channel Contents for ND_AMS_ARCHIVE_R:R_0605002A-RA\$02_RA

Channel

1:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197:	0	0	0	0	1	0	0	0	0	0	0	0	0	0
211:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225:	0	0	0	0	0	0	0	0	0	1	0	0	0	0
239:	1	0	0	0	0	0	0	0	0	0	0	0	0	0
253:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
267:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
281:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
295:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
309:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
323:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
337:	0	0	0	0	0	0	0	0	0	0	1	0	0	0
351:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
365:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
379:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
393:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
407:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
421:	0	0	0	0	0	0	0	0	0	0	0	1	0	0
435:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
449:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
463:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
477:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
491:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
505:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
519:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
533:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
547:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
561:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
575:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
589:	1	0	0	0	0	0	0	0	0	0	0	1	0	0
603:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
617:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
631:	0	0	0	0	0	0	0	0	0	0	0	0	1	0
645:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
659:	0	0	0	0	0	0	0	0	0	0	0	1	0	0
673:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
687:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
701:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
715:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
729:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
743:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
757:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
771:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
785:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
799:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
813:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
827:	0	0	0	0	0	0	0	0	0	0	0	0	1	0
841:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
855:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
869:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
883:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
897:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
911:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
925:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
939:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
953:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
967:	0	0	0	0	0	1	0	0	0	0	0	0	0	0
981:	0	0	0	0	0	0	0	0	0	0	0	1	0	0
995:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1009:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1023:	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Eberline Services
Oak Ridge Laboratory

Gross Sample Counts Within Peak Regions Generated: 9-MAY-2006 00:38:19.87

Detector ID: 34	Acquisition Start: 8-MAY-2006 18:06:27.01
Live Time: 0 02:50:00.00	Real Time: 0 02:50:00.50
Batch Id: 0605002A-RA	Sample Id: 02
Sample Type: RA	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4624.36	2	0266.90	389.50	306	156	1.96E-04	70.7		
2	0	5318.12	4	0254.49	625.50	523	176	3.92E-04	50.0		
3	0	5930.24	1	0 3.10	839.00	718	162	9.80E-05	100.0		

Background Counts Within Peak Regions Generated: 9-MAY-2006 00:38:27.05

Live Time: 0 16:40:00.00	Acquisition Start: 5-MAY-2006 19:29:00.01
	Real Time: 0 16:40:00.10

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4607.63	1	0 3.11	383.50	306	156	1.67E-05	100.0		
2	0	5275.32	5	0398.08	610.50	523	176	8.33E-05	44.7		
3	0	5815.07	4	0373.20	798.50	718	162	6.67E-05	50.0		

Net Sample Counts Within Peak Regions Generated: 9-MAY-2006 00:38:27.30

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4624.36*	4	0266.90	389.50	306	156	4.36E-04	73.5		
2	0	5318.12*	8	0254.49	625.50	523	176	8.23E-04	55.3		
3	0	5930.24*	2	0 3.10	839.00	718	162	1.60E-04	143.2		

Flag: "*" = Peak area was modified by background subtraction

```

Configuration      : MCA0:[AMSCOUNT]00001474$1
Analyses by       : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
Sample title      : BLANK
Sample date       : 8-MAY-2006 00:00:00   Acquisition date : 8-MAY-2006 18:06:27
Sample ID        : 02                      Sample quantity  : 1.0000 gram
Sample type      : RA                      Sample geometry  :
Detector name    : 034                    Detector geometry:
Elapsed live time: 0 02:50:00.00          Elapsed real time: 0 02:50:00.50   0.0%
Energy tolerance : 100.00 keV             Half life ratio  : 8.00
Errors propagated: Yes                    Systematic Error : 3.00 %
Efficiency type  : Average value          Efficiencies at  : Peak Energy
Abundance limit  : 75.00
    
```

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw %Err	Fit	Nuclides	Activity pCi/gram
0	4624.36*	4266.90	389.50	306	156147.0			RA-226	5.898E-02
0	5318.12*	8254.49	625.50	523	176110.5			RN-222	0.111
0	5930.24*	2 3.10	839.00	718	162286.5			PO-218	2.161E-02

Eberline Services
Oak Ridge Laboratory

ALPHA SPECTROMETRY REPORT
9-MAY-2006 00:38:52

Spectral File: ND_AMS_ARCHIVE_S:S_0605002A-RA\$03_RA.CNF

BATCH ID: 0605002A-RA * SAMPLE ID: 03
SAMPLE DATE: 25-APR-2006 00:00 * ALIQUOT: 1.044E+00 gram
SAMPLE TITLE: SS-03(54"-61") * DETECTOR NUMBER: 035
ACQ DATE: 8-MAY-2006 18:06 * AVERAGE EFFICIENCY: 20.47%
ELAPSED LIVE TIME: 10200. * RECOVERY: 88.49%
TRACER ID: NONE * TRACER FWHM (kev): 0.00
LAMBDA VALUE: 0. * ROI TYPE: STANDARD
TRACER DPM AT SAMPLE DATE: 0.000 * CONFIDENCE FACTOR: 4.65
SAMPLE MATRIX: SLUDGE * LLD CONSTANT: 2.71
ENERGY CAL DATE: 5-MAY-2006 01:31 * EFF CAL DATE: 5-MAY-2006 01:31
BKG FILENAME: B_035_5MAY06 * BKG ELAPSED TIME: 60000.
* SAF: 2.91
*

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ gram	TPU/ERROR 2-SIGMA	MDC pCi/ gram
PO-218	6003.0	171.18	0.51	100.0	2.399E+00	6.484E-01	2.459E-01
RN-222	5490.0	241.02	0.51	99.9	3.380E+00	7.798E-01	2.461E-01
RA-226	4785.0	200.28	0.51	100.0	2.806E+00	7.050E-01	2.459E-01

Analyst *J. R. Price*
Reviewer *Alan Gregory*

Date *5/9/06*
Date *5/9/06*

Spectrum : DKA100:[ALPHA,ALUSR.ARCHIVE.S]S_0605002A-RA#03_RA.CNF;1

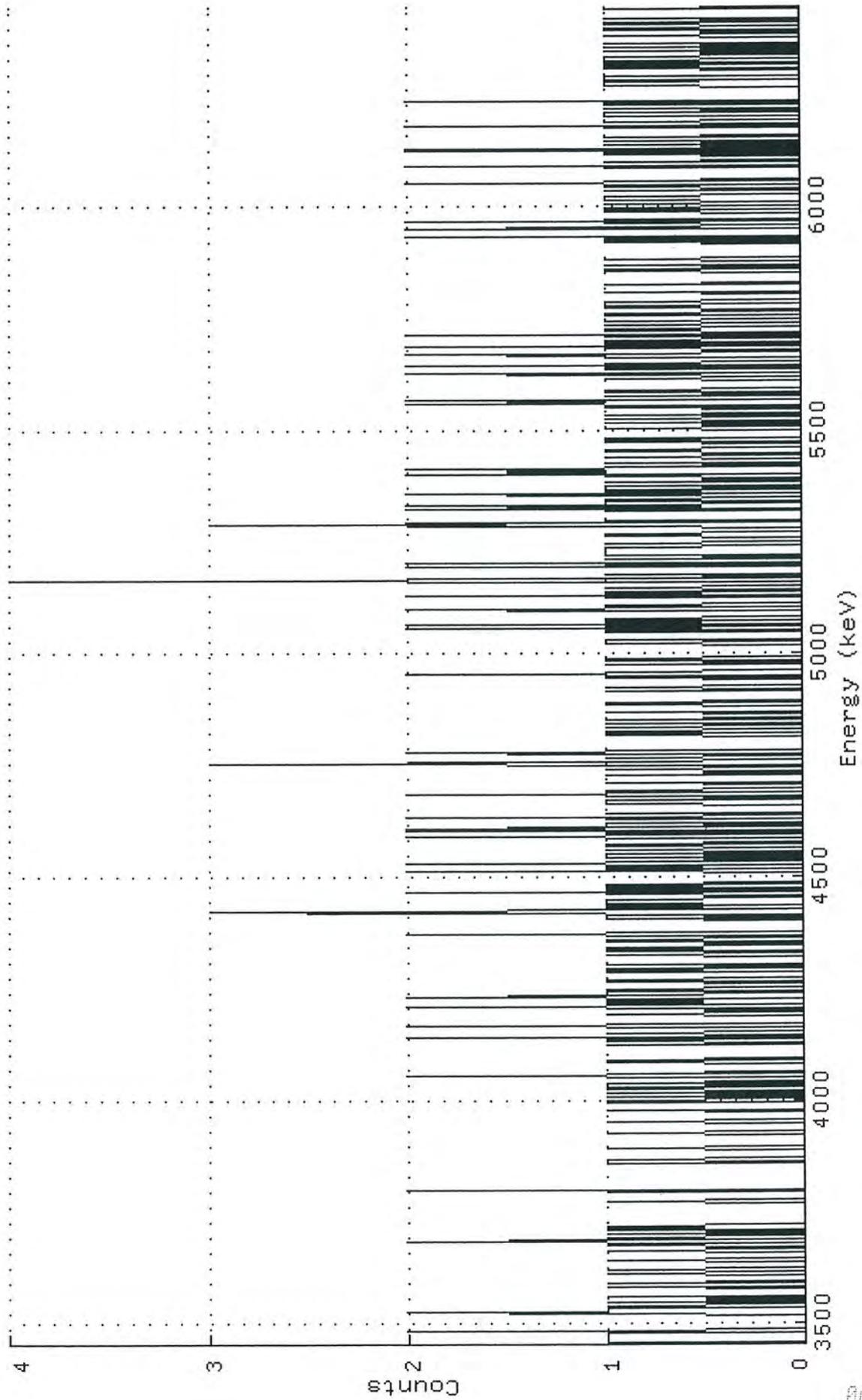
Title : 035

Sample Title: SS-03(54"-61")

Start Time: 8-MAY-2006 18:06; Sample Time: 25-APR-2006 00:00 Energy Offset: 3.44276E+03

Real Time : 0 02:50:00.40 Sample ID : 03 Energy Slope : 3.09170E+00

Live Time : 0 02:50:00.00 Sample Type: RA Energy Quad : -1.60510E-04



Channel Contents for ND_AMS_ARCHIVE_S:S_0605002A-RA\$03_RA

Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1:	0	1	1	1	0	0	0	0	0	0	0	2	1	0	0
15:	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0
29:	1	0	1	0	0	1	0	0	0	1	0	0	0	0	0
43:	0	1	0	0	0	1	0	0	0	0	0	0	1	1	0
57:	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
71:	1	0	0	0	1	0	0	2	1	0	0	1	0	1	0
85:	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0
99:	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
113:	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
127:	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
141:	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
155:	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
169:	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1
183:	0	0	1	0	1	0	0	1	0	1	0	0	0	1	0
197:	0	0	0	2	0	1	0	0	0	0	0	0	0	0	1
211:	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
225:	1	1	0	2	0	0	1	0	0	0	0	0	0	2	0
239:	0	0	0	0	0	0	1	1	1	0	0	1	0	2	0
253:	0	1	1	0	0	2	1	1	0	1	0	1	1	0	0
267:	0	0	1	0	1	0	0	0	0	0	0	1	1	0	1
281:	0	1	0	0	0	0	0	0	1	1	0	1	0	0	1
295:	1	0	0	0	1	0	1	0	0	0	2	0	0	0	0
309:	0	0	0	0	0	0	0	1	0	0	1	0	0	2	3
323:	0	0	1	1	0	1	1	1	1	0	0	0	1	0	0
337:	2	0	0	1	1	0	1	0	0	0	0	0	0	0	0
351:	0	1	2	0	1	0	0	2	0	1	0	0	1	0	0
365:	0	1	0	1	0	0	1	0	1	0	0	0	0	0	2
379:	0	1	0	2	0	2	1	0	0	1	0	0	0	0	2
393:	1	0	1	0	0	0	0	0	0	0	1	1	1	0	0
407:	0	1	0	2	0	0	1	0	0	0	0	1	1	0	0
421:	0	0	0	0	1	0	0	0	1	0	0	0	0	3	1
435:	1	0	1	1	0	0	1	2	0	0	0	0	0	0	0
449:	0	0	0	0	0	0	1	0	1	1	0	1	1	0	0
463:	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0
477:	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0
491:	1	0	0	0	0	0	0	1	0	0	2	1	1	0	0
505:	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0
519:	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
533:	0	1	0	2	1	0	2	0	1	0	1	1	0	0	0
547:	0	0	0	1	2	0	0	1	0	0	0	0	0	0	0
561:	2	0	1	1	0	0	1	1	0	0	0	0	4	0	0
575:	0	0	1	0	0	0	0	0	0	2	0	2	0	0	0
589:	0	1	0	0	1	1	1	1	1	1	0	0	1	0	0
603:	0	0	0	0	1	1	1	0	0	0	0	1	1	1	3
617:	0	2	0	0	0	0	0	0	0	0	2	0	0	1	2
631:	1	0	1	0	1	0	0	1	2	0	1	0	1	1	0
645:	1	0	0	0	1	0	0	0	1	0	2	1	1	1	1
659:	2	0	0	0	1	0	0	0	0	1	0	0	0	0	1
673:	1	1	0	0	0	0	1	0	1	1	0	0	0	0	0
687:	0	0	0	1	0	0	0	1	0	0	1	1	0	0	0
701:	1	0	0	0	0	1	0	0	2	2	1	2	0	0	0
715:	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0
729:	1	0	0	1	2	0	0	0	1	0	2	0	0	1	0
743:	0	0	0	1	1	2	1	0	0	0	1	0	2	0	0
757:	1	0	1	0	0	0	2	0	0	1	1	1	0	0	0
771:	1	0	0	1	0	0	0	0	1	1	0	0	0	0	1
785:	1	1	0	0	1	0	0	0	0	0	0	1	0	0	0
799:	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
813:	1	1	0	0	1	0	0	0	0	1	0	0	0	0	0
827:	0	0	0	0	0	0	0	0	1	0	0	1	0	0	2
841:	0	0	0	0	0	0	2	1	0	0	1	0	2	0	0
855:	0	0	0	0	0	1	0	1	1	0	0	1	0	0	0
869:	1	1	1	1	0	0	0	0	1	0	0	1	1	0	0
883:	2	0	1	0	0	0	0	0	0	0	0	0	0	0	2
897:	0	0	0	1	0	0	0	0	1	0	0	2	0	0	2
911:	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0
925:	0	0	0	2	0	0	1	1	0	0	0	0	0	1	1
939:	1	0	0	1	0	0	0	1	0	2	0	0	0	0	0
953:	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1
967:	1	1	0	0	0	0	0	1	0	1	1	0	0	0	1
981:	1	0	0	1	0	0	0	1	0	0	1	0	0	0	1
995:	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0
1009:	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0
1023:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0


```

Configuration      : MCA0:[AMSCOUNT]00001474$1
Analyses by       : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
Sample title      : SS-03(54"-61")
Sample date       : 25-APR-2006 00:00:00 Acquisition date : 8-MAY-2006 18:06:48
Sample ID        : 03 Sample quantity   : 1.0439 gram
Sample type      : RA Sample geometry   :
Detector name    : 035 Detector geometry:
Elapsed live time: 0 02:50:00.00 Elapsed real time: 0 02:50:00.40 0.0%
Energy tolerance : 100.00 keV Half life ratio : 8.00
Errors propagated: Yes Systematic Error : 3.00 %
Efficiency type  : Average value Efficiencies at : Peak Energy
Abundance limit  : 75.00
    
```

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/gram
0	4600.97*	200375.45	382.20	306	157	24.1			RA-226	2.48
0	5266.53*	241135.52	609.16	524	177	22.0			RN-222	2.99
0	5807.77*	171375.55	798.02	719	163	26.1			PO-218	2.12

Eberline Services
Oak Ridge Laboratory

ALPHA SPECTROMETRY REPORT
9-MAY-2006 00:39:12

Spectral File: ND_AMS_ARCHIVE_S:S_0605002A-RA\$04_RA.CNF

BATCH ID:	0605002A-RA	*	SAMPLE ID:	04
SAMPLE DATE:	25-APR-2006 00:00	*	ALIQOT:	1.009E+00 gram
SAMPLE TITLE:	SS-03(54"-61")	*	DETECTOR NUMBER:	036
ACQ DATE:	8-MAY-2006 18:07	*	AVERAGE EFFICIENCY:	20.98%
ELAPSED LIVE TIME:	10200.	*	RECOVERY:	91.46%
TRACER ID:	NONE	*	TRACER FWHM (kev):	0.00
LAMBDA VALUE:	0.	*	ROI TYPE:	STANDARD
TRACER DPM AT SAMPLE DATE:	0.000	*	CONFIDENCE FACTOR:	4.65
SAMPLE MATRIX:	SLUDGE	*	LLD CONSTANT:	2.71
ENERGY CAL DATE:	5-MAY-2006 01:31	*	EFF CAL DATE:	5-MAY-2006 01:31
BKG FILENAME:	B_036_5MAY06	*	BKG ELAPSED TIME:	60000.
		*	SAF:	2.96
		*		

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ gram	TPU/ERROR 2-SIGMA	MDC pCi/ gram
PO-218	6003.0	218.36	0.68	100.0	2.989E+00	7.274E-01	2.651E-01
RN-222	5490.0	218.53	0.51	99.9	2.993E+00	7.279E-01	2.445E-01
RA-226	4785.0	233.84	0.00	100.0	3.200E+00	7.536E-01	1.098E-01

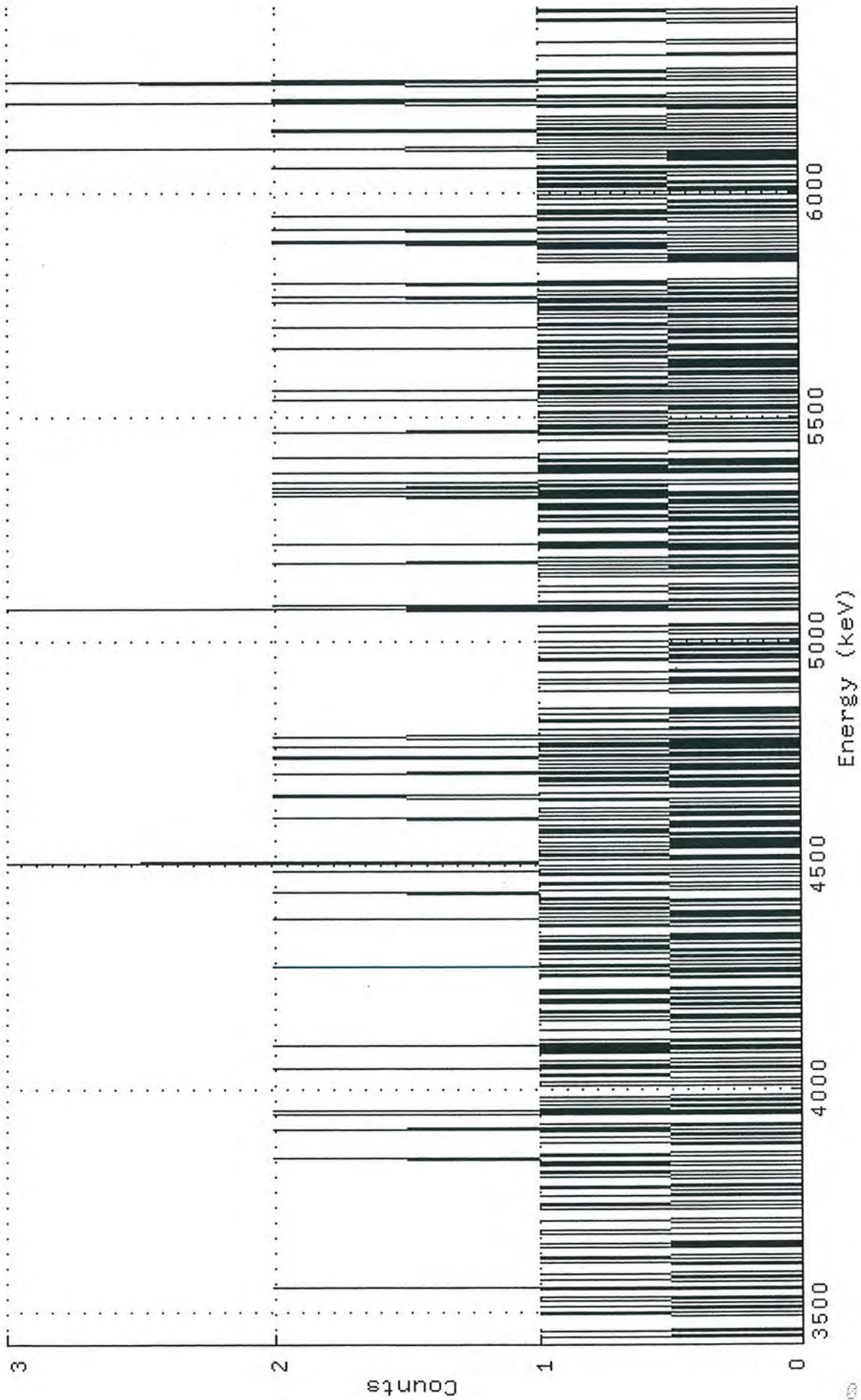
Jan Price
Analyst

5-9-06
Date

Alan Gregory
Reviewer

5/9/06
Date

Spectrum : DKA100:[ALPHA,ALUSR.ARCHIVE.SJS_06050002A-RA#04_RA.CNF;1
Title : 036
Sample Title: SS-03(54"-61")
Start Time: 8-MAY-2006 18:07: Sample Time: 25-APR-2006 00:00 Energy Offset: 3.42003E+03
Real Time : 0 02:50:00.40 Sample ID : 04 Energy Slope : 3.08964E+00
Live Time : 0 02:50:00.00 Sample Type: RA Energy Quad : -1.65762E-04



Channel Contents for ND_AMS_ARCHIVE_S:S_0605002A-RA\$04_RA

Channel

1:	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
15:	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
29:	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
43:	0	2	0	0	0	0	0	0	1	0	0	0	1	0	0
57:	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0
71:	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1
85:	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0
99:	0	0	0	1	1	1	0	1	0	0	0	0	0	0	1
113:	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0
127:	0	1	1	0	0	0	0	1	1	0	1	1	1	2	0
141:	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0
155:	1	0	0	0	1	0	2	1	0	1	0	0	0	0	0
169:	0	0	0	2	0	2	0	1	0	1	0	0	0	0	1
183:	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0
197:	0	0	0	1	1	0	0	0	0	2	0	0	1	0	0
211:	1	0	0	0	0	0	1	1	0	1	0	0	2	0	1
225:	0	1	0	0	0	0	0	0	1	1	1	0	0	0	0
239:	0	0	1	0	0	1	0	0	1	1	1	0	0	0	0
253:	1	0	1	0	1	0	0	0	1	1	1	0	1	0	0
267:	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1
281:	2	0	0	0	0	1	0	0	0	1	1	0	0	1	0
295:	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0
309:	0	0	1	1	0	0	0	2	0	1	0	0	0	1	0
323:	1	1	1	0	1	1	0	1	0	1	1	1	1	1	2
337:	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1
351:	0	2	0	0	0	0	2	3	2	0	0	0	0	1	0
365:	1	1	1	1	0	0	1	0	0	1	0	0	0	0	1
379:	0	1	0	1	1	1	0	0	1	0	0	0	0	1	2
393:	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0
407:	1	2	1	2	0	0	0	0	0	1	0	0	0	1	0
421:	1	0	1	0	1	2	1	0	0	1	1	0	1	0	0
435:	0	0	2	0	2	0	0	0	1	0	0	0	2	0	0
449:	1	0	0	1	2	1	0	0	0	0	1	0	0	0	0
463:	0	0	1	1	0	0	0	0	1	0	0	0	1	0	0
477:	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
491:	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0
505:	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0
519:	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0
533:	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
547:	0	0	0	3	0	1	2	0	0	0	0	1	0	0	0
561:	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
575:	0	1	1	1	0	0	0	1	0	1	0	0	2	1	0
589:	0	0	1	0	0	0	0	0	1	0	0	0	2	0	1
603:	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0
617:	0	0	1	0	1	0	1	0	0	0	1	0	1	1	1
631:	0	1	0	0	0	1	2	0	0	2	0	1	1	1	2
645:	1	0	0	2	0	0	0	0	0	0	0	2	0	0	0
659:	1	1	0	1	0	1	0	0	2	1	1	1	1	1	0
673:	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
687:	2	1	1	0	1	0	1	0	1	1	0	1	1	1	1
701:	1	0	1	1	0	0	1	0	0	0	0	0	2	0	0
715:	0	0	1	0	2	0	0	0	1	1	0	0	0	0	0
729:	1	1	0	0	0	1	0	0	0	1	0	0	0	1	0
743:	0	0	1	0	1	1	1	1	0	0	2	0	0	0	0
757:	1	1	1	0	0	0	1	1	0	0	1	0	0	2	0
771:	0	1	0	0	0	0	1	0	0	1	1	1	1	0	1
785:	1	0	0	0	2	0	0	1	2	0	1	0	0	1	1
799:	0	0	0	1	2	0	1	0	0	0	0	0	0	0	0
813:	0	0	0	0	0	0	0	1	0	1	0	1	0	0	1
827:	0	0	0	0	1	1	0	0	1	2	0	2	0	0	0
841:	0	0	1	0	1	2	0	0	0	0	0	0	0	1	1
855:	0	2	2	0	1	0	1	0	0	0	0	1	0	0	0
869:	0	1	1	1	1	0	0	0	1	0	0	0	1	1	0
883:	1	0	1	1	1	0	0	1	1	0	0	0	0	2	0
897:	0	0	0	0	0	1	0	0	1	0	0	1	0	0	3
911:	0	0	0	0	1	1	1	0	0	0	1	0	0	0	2
925:	2	0	1	0	0	1	0	0	1	0	0	1	0	0	0
939:	0	0	0	0	1	0	0	0	3	1	0	2	0	0	1
953:	1	0	0	0	0	0	0	0	1	2	3	1	2	0	0
967:	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0
981:	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
995:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1009:	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
1023:	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1

Eberline Services
Oak Ridge Laboratory

Gross Sample Counts Within Peak Regions Generated: 9-MAY-2006 00:38:55.94

Detector ID: 36	Acquisition Start: 8-MAY-2006 18:07:17.01
Live Time: 0 02:50:00.00	Real Time: 0 02:50:00.40
Batch Id: 0605002A-RA	Sample Id: 04
Sample Type: RA	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4588.42	79	0425.60	386.16	314	157	7.75E-03	11.3		
2	0	5303.82	74	0426.37	631.08	533	177	7.25E-03	11.6		
3	0	5821.31	74	0324.41	812.64	729	164	7.25E-03	11.6		

Background Counts Within Peak Regions Generated: 9-MAY-2006 00:39:10.98

Live Time: 0 16:40:00.00	Acquisition Start: 5-MAY-2006 19:29:06.01
	Real Time: 0 16:40:00.10

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4605.37	0	0 0.00	392.00	314	157	0.00E+00	0.0		
2	0	5274.58	3	0116.63	621.00	533	177	5.00E-05	57.7		
3	0	5816.85	4	0107.42	810.50	729	164	6.67E-05	50.0		

Net Sample Counts Within Peak Regions Generated: 9-MAY-2006 00:39:11.26

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4588.42*	234	0425.60	386.16	314	157	2.29E-02	11.3		
2	0	5303.82*	219	0426.37	631.08	533	177	2.14E-02	11.7		
3	0	5821.31*	218	0324.41	812.64	729	164	2.14E-02	11.7		

Flag: "*" = Peak area was modified by background subtraction

Configuration : MCA0:[AMSCOUNT]00001474\$1
 Analyses by : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
 Sample title : SS-03(54"-61")
 Sample date : 25-APR-2006 00:00:00 Acquisition date : 8-MAY-2006 18:07:17
 Sample ID : 04 Sample quantity : 1.0093 gram
 Sample type : RA Sample geometry :
 Detector name : 036 Detector geometry:
 Elapsed live time: 0 02:50:00.00 Elapsed real time: 0 02:50:00.40 0.0%
 Energy tolerance : 100.00 keV Half life ratio : 8.00
 Errors propagated: Yes Systematic Error : 3.00 %
 Efficiency type : Average value Efficiencies at : Peak Energy
 Abundance limit : 75.00

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/gram
0	4588.42*	234425.60	386.16	314	157	22.5			RA-226	2.93
0	5303.82*	219426.37	631.08	533	177	23.3			RN-222	2.74
0	5821.31*	218324.41	812.64	729	164	23.3			PO-218	2.73

Eberline Services
Oak Ridge Laboratory

ALPHA SPECTROMETRY REPORT
9-MAY-2006 00:39:31

Spectral File: ND_AMS_ARCHIVE_S:S_0605002A-RA\$05_RA.CNF

BATCH ID: 0605002A-RA * SAMPLE ID: 05
SAMPLE DATE: 25-APR-2006 00:00 * ALIQUOT: 9.974E-01 gram
SAMPLE TITLE: SS-03 (61"-80") * DETECTOR NUMBER: 037
ACQ DATE: 8-MAY-2006 18:07 * AVERAGE EFFICIENCY: 20.68%
ELAPSED LIVE TIME: 10200. * RECOVERY: 92.37%
TRACER ID: NONE * TRACER FWHM (kev): 0.00
LAMBDA VALUE: 0. * ROI TYPE: STANDARD
TRACER DPM AT SAMPLE DATE: 0.000 * CONFIDENCE FACTOR: 4.65
SAMPLE MATRIX: SLUDGE * LLD CONSTANT: 2.71
ENERGY CAL DATE: 5-MAY-2006 01:31 * EFF CAL DATE: 5-MAY-2006 01:31
BKG FILENAME: B_037_5MAY06 * BKG ELAPSED TIME: 60000.
SAF: 3.25
*

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ gram	TPU/ERROR 2-SIGMA	MDC pCi/ gram
PO-218	6003.0	161.65	0.85	100.0	2.249E+00	6.584E-01	3.164E-01
RN-222	5490.0	135.82	0.68	99.9	1.891E+00	6.010E-01	2.961E-01
RA-226	4785.0	207.66	0.34	100.0	2.889E+00	7.507E-01	2.451E-01

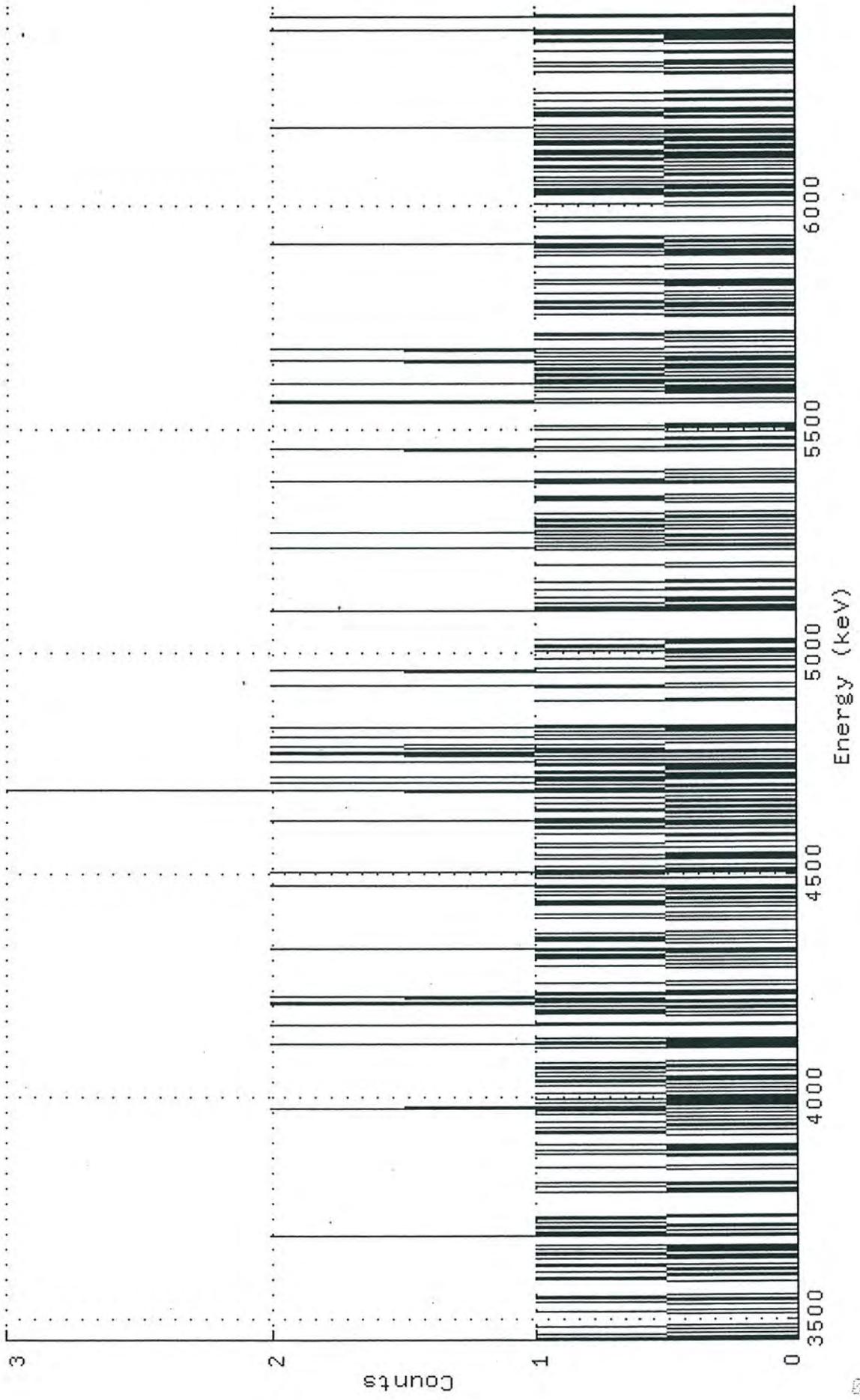
Jan Pies
Analyst

5-9-06
Date

Allen Gregory
Reviewer

5/9/06
Date

Spectrum : DKA100:[ALPHA.ALUSR.ARCHIVE.S]S_0605002A-RA\$05_RA.CNF;1
Title : 037
Sample Title: SS-03(61"-80")
Start Time: 8-MAY-2006 18:07: Sample Time: 25-APR-2006 00:00 Energy Offset: 3.44149E+03
Real Time : 0 02:50:00.50 Sample ID : 05 Energy Slope : 3.09391E+00
Live Time : 0 02:50:00.00 Sample Type: RA Energy Quad : -1.59044E-04



Channel Contents for ND_AMS_ARCHIVE_S:S_0605002A-RA\$05_RA

Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1:	0	0	0	0	1	0	1	0	0	0	1	0	1	0	0
15:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29:	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0
43:	0	0	0	0	1	1	1	0	0	0	1	0	0	0	0
57:	1	1	0	0	0	0	1	0	1	0	0	1	0	0	1
71:	0	1	0	0	0	0	0	0	0	0	2	0	1	0	0
85:	1	1	0	0	1	1	1	1	0	0	1	0	0	0	0
99:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
113:	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
127:	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
141:	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
155:	1	1	1	0	1	0	0	0	1	1	0	0	0	0	0
169:	1	0	0	1	0	2	1	0	0	1	0	0	1	1	0
183:	0	1	1	0	0	0	0	1	0	0	1	0	0	0	0
197:	0	1	1	1	0	0	1	0	1	0	0	1	0	0	0
211:	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0
225:	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0
239:	0	0	0	0	0	1	0	1	1	0	0	0	0	2	0
253:	2	0	1	1	2	0	0	0	1	0	0	0	0	0	0
267:	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
281:	0	0	0	0	1	1	0	1	0	0	0	0	2	0	0
295:	0	0	0	1	0	1	1	0	0	1	0	0	0	0	0
309:	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0
323:	0	0	1	1	0	1	0	0	0	0	1	1	0	1	1
337:	0	0	2	0	0	0	0	0	0	0	1	1	1	0	2
351:	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0
365:	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1
379:	0	0	0	0	1	1	0	0	0	0	2	0	1	0	0
393:	0	0	1	0	1	0	0	0	1	1	0	0	0	0	1
407:	0	0	0	0	3	0	1	0	0	0	2	1	1	1	0
421:	2	0	0	1	0	1	0	0	0	1	0	0	0	2	0
435:	0	0	0	1	2	0	2	0	1	1	2	1	1	1	0
449:	0	0	0	2	0	0	0	0	1	0	0	2	0	0	0
463:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
477:	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
491:	2	1	0	0	0	0	0	0	0	0	0	0	1	2	0
505:	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0
519:	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0
533:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
547:	0	0	2	0	1	0	0	1	0	0	0	0	1	0	0
561:	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0
575:	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
589:	0	0	0	0	0	0	0	0	2	0	1	0	1	1	1
603:	0	1	0	0	0	2	1	1	0	0	1	0	0	1	1
617:	1	0	1	0	0	0	1	1	0	0	0	0	0	0	0
631:	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0
645:	0	0	0	2	0	1	0	0	0	0	0	0	1	0	0
659:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
673:	1	2	0	1	0	0	0	0	0	1	0	0	0	0	0
687:	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0
701:	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0
715:	0	0	0	1	0	0	1	0	0	1	2	0	0	0	1
729:	1	1	0	1	0	0	1	0	1	0	0	1	1	1	2
743:	0	0	1	0	0	0	1	1	2	1	0	0	0	0	0
757:	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0
771:	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
785:	1	0	0	1	1	0	0	0	0	0	1	0	0	0	0
799:	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
813:	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
827:	0	0	1	0	1	1	0	2	1	0	0	0	0	1	1
841:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
855:	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
869:	0	0	0	0	1	0	0	1	1	0	1	0	1	1	0
883:	0	0	1	1	1	1	0	0	0	1	0	0	1	1	1
897:	0	0	0	0	1	0	1	0	1	0	1	0	1	1	0
911:	0	0	1	0	1	0	1	0	1	0	0	0	1	1	0
925:	1	0	2	0	0	0	0	0	0	0	0	0	1	0	1
939:	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0
953:	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
967:	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1
981:	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
995:	0	1	0	1	0	0	0	1	0	0	2	0	0	0	0
1009:	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
1023:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Eberline Services
Oak Ridge Laboratory

Gross Sample Counts Within Peak Regions Generated: 9-MAY-2006 00:39:16.65

Detector ID: 37	Acquisition Start: 8-MAY-2006 18:07:43.01
Live Time: 0 02:50:00.00	Real Time: 0 02:50:00.50
Batch Id: 0605002A-RA	Sample Id: 05
Sample Type: RA	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4640.62	64	0375.91	395.62	307	156	6.27E-03	12.5		
2	0	5289.54	42	0389.83	616.88	524	177	4.12E-03	15.4		
3	0	5785.79	50	0343.29	789.78	719	163	4.90E-03	14.1		

Background Counts Within Peak Regions Generated: 9-MAY-2006 00:39:29.71

Live Time: 0 16:40:00.00	Acquisition Start: 5-MAY-2006 19:29:10.01
	Real Time: 0 16:40:00.10

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4606.46	2	0 12.27	384.50	307	156	3.33E-05	70.7		
2	0	5276.67	4	0 95.06	612.00	524	177	6.67E-05	50.0		
3	0	5821.06	5	0 4.50	800.00	719	163	8.33E-05	44.7		

Net Sample Counts Within Peak Regions Generated: 9-MAY-2006 00:39:29.97

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4640.62*	208	0375.91	395.62	307	156	2.04E-02	12.5		
2	0	5289.54*	136	0389.83	616.88	524	177	1.33E-02	15.5		
3	0	5785.79*	162	0343.29	789.78	719	163	1.58E-02	14.2		

Flag: "*" = Peak area was modified by background subtraction

```

Configuration      : MCA0:[AMSCOUNT]00001474$1
Analyses by       : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
Sample title      : SS-03(61"-80")
Sample date       : 25-APR-2006 00:00:00 Acquisition date : 8-MAY-2006 18:07:43
Sample ID        : 05 Sample quantity : 0.99740 gram
Sample type      : RA Sample geometry :
Detector name    : 037 Detector geometry:
Elapsed live time: 0 02:50:00.00 Elapsed real time: 0 02:50:00.50 0.0%
Energy tolerance : 100.00 keV Half life ratio : 8.00
Errors propagated: Yes Systematic Error : 3.00 %
Efficiency type  : Average value Efficiencies at : Peak Energy
Abundance limit  : 75.00
    
```

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/gram
0	4640.62*	208375.91	395.62	307	156	25.0			RA-226	2.67
0	5289.54*	136389.83	616.88	524	177	31.0			RN-222	1.75
0	5785.79*	162343.29	789.78	719	163	28.4			PO-218	2.08

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Oak Ridge Laboratory

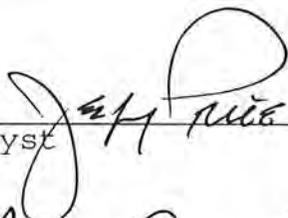
ALPHA SPECTROMETRY REPORT
9-MAY-2006 00:39:50

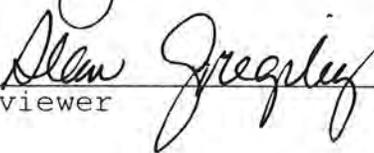
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BATCH ID: 0605002A-RA * SAMPLE ID: 06
SAMPLE DATE: 25-APR-2006 00:00 * ALIQUOT: 1.035E+00 gram
SAMPLE TITLE: SS-03(80"-85") * DETECTOR NUMBER: 038
ACQ DATE: 8-MAY-2006 18:08 * AVERAGE EFFICIENCY: 20.12%
ELAPSED LIVE TIME: 10200. * RECOVERY: 100.00%
TRACER ID: NONE * TRACER FWHM (kev): 0.00
LAMBDA VALUE: 0. * ROI TYPE: STANDARD
TRACER DPM AT SAMPLE DATE: 0.000 * CONFIDENCE FACTOR: 4.65
SAMPLE MATRIX: SLUDGE * LLD CONSTANT: 2.71
ENERGY CAL DATE: 5-MAY-2006 01:31 * EFF CAL DATE: 5-MAY-2006 01:31
BKG FILENAME: B_038_5MAY06 * BKG ELAPSED TIME: 60000.
* SAF: 3.09
*

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ gram	TPU/ERROR 2-SIGMA	MDC pCi/ gram
PO-218	6003.0	129.10	0.68	100.0	1.644E+00	5.226E-01	2.575E-01
RN-222	5490.0	156.74	0.85	99.9	1.997E+00	5.792E-01	2.754E-01
RA-226	4785.0	160.51	0.17	100.0	2.043E+00	5.848E-01	1.820E-01



Analyst


Reviewer

5-9-06
Date
5/9/06
Date

Spectrum : DKA100:[ALPHA.ALUSR.ARCHIVE.S]S_06050002A-RA\$06_RA.CNF;1

Title : 038

Sample Title: SS-03(80"-85")

Start Time: 8-MAY-2006 18:08: Sample Time: 25-APR-2006 00:00

Energy Offset: 3.44091E+03

Real Time : 0 02:50:00.50

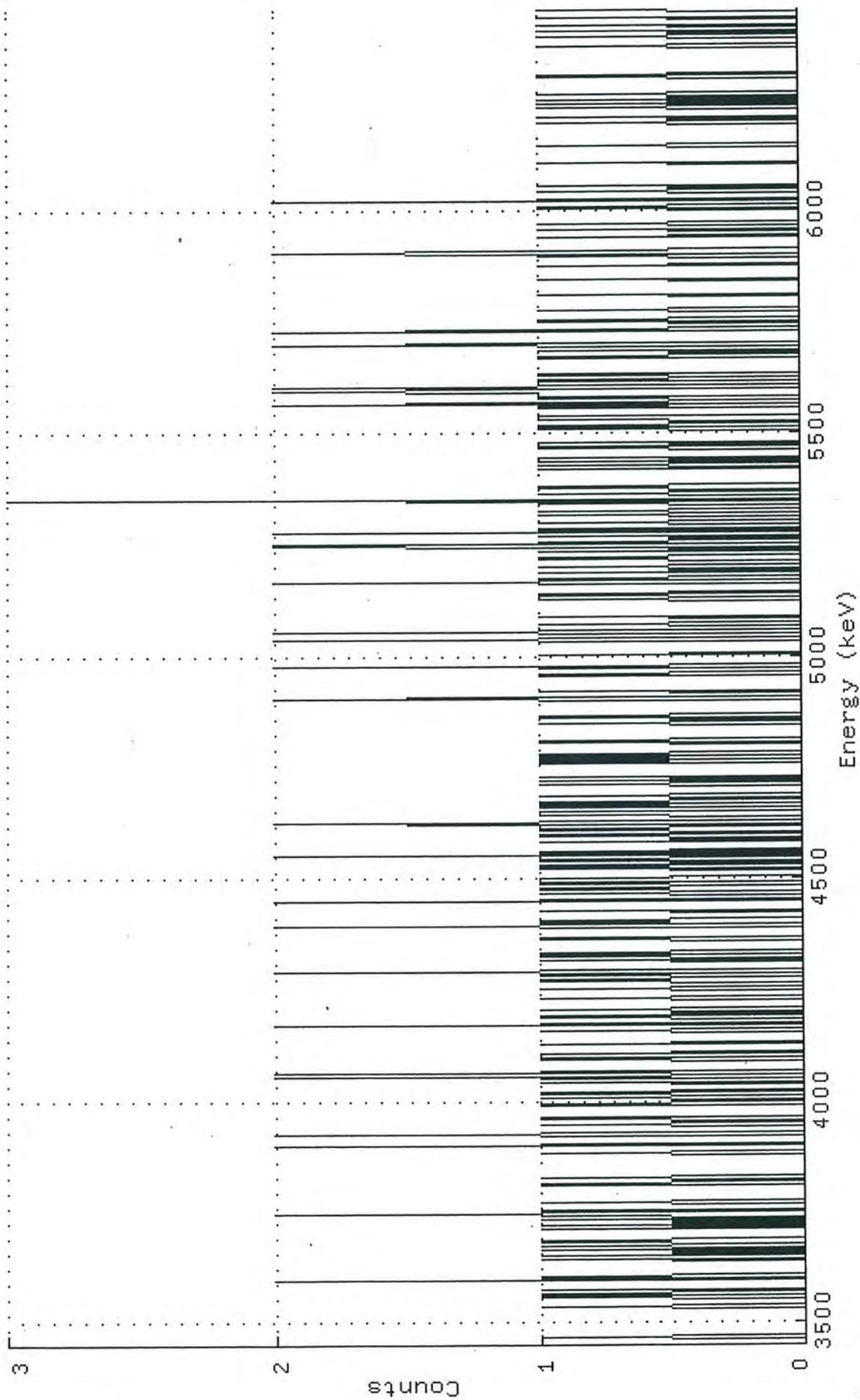
Energy Slope : 3.14530E+00

Live Time : 0 02:50:00.00

Sample ID : 06

Energy Quad : -2.06493E-04

Sample Type: RA



Channel Contents for ND_AMS_ARCHIVE_S:S_0605002A-RA\$06_RA

Channel

1:	1	1	0	0	0	0	0	0	1	1	0	0	0	0
15:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29:	0	1	0	0	0	0	0	0	0	1	0	0	0	0
43:	0	0	0	0	0	0	0	0	2	0	1	0	0	0
57:	0	0	0	0	0	0	0	0	1	0	0	0	0	0
71:	1	0	0	1	0	0	0	1	1	1	0	0	0	0
85:	0	0	1	0	0	1	0	0	0	1	0	0	1	2
99:	0	1	0	0	0	0	0	0	1	0	0	0	0	0
113:	0	0	0	0	0	0	1	1	1	0	0	0	1	0
127:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141:	0	1	0	0	0	0	0	0	2	0	0	0	0	0
155:	0	2	0	0	0	0	0	0	0	1	0	0	0	1
169:	0	0	0	0	0	0	0	0	0	1	1	0	0	1
183:	0	0	1	0	1	0	0	0	0	0	0	1	0	0
197:	2	1	0	1	1	2	0	0	0	0	0	0	0	1
211:	1	0	0	0	0	1	0	0	0	0	0	0	1	0
225:	0	0	0	0	0	0	1	0	0	0	0	0	2	0
239:	0	0	1	0	1	0	0	0	0	1	0	0	0	0
253:	0	0	1	0	0	0	0	0	0	1	1	0	0	0
267:	0	1	1	1	0	1	0	0	0	2	0	0	0	0
281:	0	0	1	0	0	1	0	0	1	1	0	0	0	0
295:	0	0	0	0	1	1	1	0	0	0	0	0	0	0
309:	2	0	0	1	1	1	0	0	0	0	0	0	1	0
323:	0	0	0	0	0	2	0	0	0	0	0	1	0	1
337:	1	1	0	1	0	1	1	1	1	1	0	0	0	0
351:	1	0	1	0	1	0	0	1	0	1	0	0	2	0
365:	1	0	0	0	0	0	0	0	1	0	0	0	1	0
379:	0	1	1	1	0	0	0	1	2	0	0	0	0	1
393:	1	1	0	0	0	1	1	1	0	1	1	0	0	1
407:	0	0	0	0	0	0	0	0	0	1	0	0	1	1
421:	0	0	0	0	0	0	0	0	0	0	0	1	1	1
435:	1	0	1	1	0	0	0	0	0	0	0	0	1	1
449:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
463:	0	0	1	0	1	0	0	0	0	0	0	0	0	0
477:	0	0	0	2	1	0	0	0	0	1	0	0	0	0
491:	0	0	0	0	0	0	0	0	1	1	0	0	0	2
505:	1	0	0	0	0	0	0	0	0	0	1	0	0	0
519:	0	0	0	0	0	0	2	0	0	0	0	0	2	0
533:	0	0	0	0	1	0	0	0	0	0	1	0	0	0
547:	0	0	0	0	0	0	0	0	0	0	1	0	0	0
561:	1	0	0	0	0	0	0	0	0	2	0	0	1	0
575:	0	0	1	0	0	0	1	0	0	0	0	0	1	1
589:	1	0	0	0	1	0	0	0	1	2	0	0	1	0
603:	0	1	0	0	0	2	0	0	1	0	0	0	0	1
617:	0	0	0	0	1	0	0	0	1	0	0	0	0	1
631:	0	3	0	0	0	0	1	0	0	0	0	1	1	0
645:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
659:	1	1	0	1	0	0	1	0	0	0	0	0	0	0
673:	1	0	1	0	1	0	0	0	0	0	0	0	0	0
687:	0	1	0	1	1	0	0	0	0	1	1	1	0	1
701:	0	0	0	0	1	1	0	0	2	1	0	0	1	0
715:	1	1	1	2	1	0	2	0	0	0	0	0	1	0
729:	0	1	1	0	0	0	0	0	0	0	0	0	0	0
743:	0	1	1	0	0	0	1	0	0	0	0	2	1	0
757:	0	0	0	0	0	0	0	0	0	2	1	0	0	0
771:	0	1	0	1	0	0	0	0	0	0	0	1	0	0
785:	0	0	0	0	0	0	0	0	0	1	0	0	0	0
799:	0	0	0	0	0	0	1	0	0	0	0	0	0	0
813:	0	0	0	0	1	0	0	0	0	0	0	0	1	1
827:	2	1	1	0	0	0	0	0	0	0	0	0	0	0
841:	0	0	0	0	1	0	0	0	0	0	1	0	0	0
855:	0	0	0	0	0	0	0	0	1	0	0	0	0	0
869:	2	0	0	0	0	0	0	0	1	0	0	0	1	0
883:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
897:	0	0	1	0	0	0	0	0	0	0	0	0	0	0
911:	0	0	1	0	0	0	0	0	0	0	0	0	0	0
925:	0	0	0	0	0	0	0	0	1	0	0	0	1	0
939:	0	0	0	0	0	1	0	0	0	0	1	0	0	0
953:	0	0	1	0	0	0	0	0	0	0	0	0	0	0
967:	0	0	1	0	1	0	0	0	0	0	0	0	0	0
981:	0	0	0	0	0	0	0	0	0	0	0	0	0	1
995:	0	0	0	0	0	0	0	0	1	0	0	0	0	0
1009:	0	0	1	0	0	0	0	0	0	1	0	0	0	0
1023:	0	0												


```

Configuration      : MCA0:[AMSCOUNT]00001474$1
Analyses by       : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
Sample title      : SS-03(80"-85")
Sample date       : 25-APR-2006 00:00:00 Acquisition date : 8-MAY-2006 18:08:01
Sample ID         : 06                               Sample quantity  : 1.0348 gram
Sample type       : RA                               Sample geometry   :
Detector name     : 038                             Detector geometry:
Elapsed live time: 0 02:50:00.00                    Elapsed real time: 0 02:50:00.50  0.0%
Energy tolerance  : 100.00 keV                      Half life ratio  : 8.00
Errors propagated: Yes                               Systematic Error : 3.00 %
Efficiency type   : Average value                    Efficiencies at  : Peak Energy
Abundance limit   : 75.00
    
```

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/gram
0	4591.65*	161245.33	375.10	303	155	27.8			RA-226	2.04
0	5284.92*	157338.91	610.76	520	176	28.2			RN-222	2.00
0	5772.38*	129479.66	781.33	715	164	31.0			PO-218	1.64

Eberline Services
Oak Ridge Laboratory

ALPHA SPECTROMETRY REPORT
9-MAY-2006 00:40:10

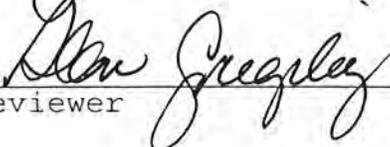
Spectral File: ND_AMS_ARCHIVE_S:S_0605002A-RA\$07_RA.CNF

BATCH ID:	0605002A-RA	*	SAMPLE ID:	07
SAMPLE DATE:	26-APR-2006 00:00	*	ALIQUOT:	9.970E-01 gram
SAMPLE TITLE:	SS-07(46"-62")	*	DETECTOR NUMBER:	039
ACQ DATE:	8-MAY-2006 18:08	*	AVERAGE EFFICIENCY:	19.35%
ELAPSED LIVE TIME:	10200.	*	RECOVERY:	90.08%
TRACER ID:	NONE	*	TRACER FWHM (kev):	0.00
LAMBDA VALUE:	0.	*	ROI TYPE:	STANDARD
TRACER DPM AT SAMPLE DATE:	0.000	*	CONFIDENCE FACTOR:	4.65
SAMPLE MATRIX:	SLUDGE	*	LLD CONSTANT:	2.71
ENERGY CAL DATE:	5-MAY-2006 01:31	*	EFF CAL DATE:	5-MAY-2006 01:31
BKG FILENAME:	B_039_5MAY06	*	BKG ELAPSED TIME:	60000.
		*	SAF:	2.94
		*		

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ gram	TPU/ERROR 2-SIGMA	MDC pCi/ gram
PO-218	6003.0	110.53	1.19	100.0	1.685E+00	5.652E-01	3.489E-01
RN-222	5490.0	161.02	0.68	99.9	2.457E+00	6.870E-01	2.935E-01
RA-226	4785.0	181.94	0.34	100.0	2.773E+00	7.318E-01	2.430E-01



Analyst


Reviewer

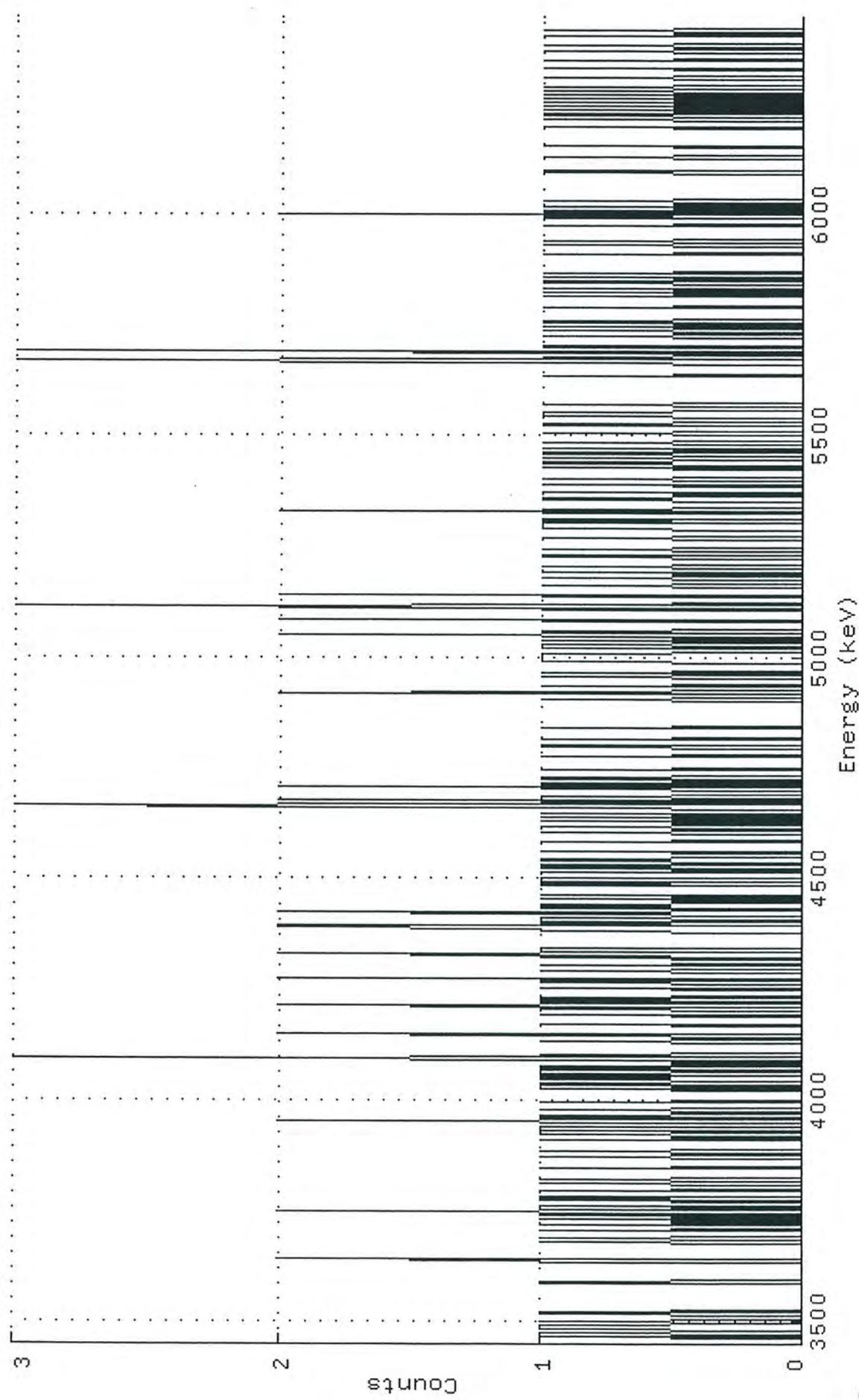
5-9-06

Date

5/9/06

Date

Spectrum : DKA100: [ALPHA,ALUSR.ARCHIVE.SJS_0605002A-RA\$07_RA.CNF;1
 Title : 039
 Sample Title: SS-07(46"-62")
 Start Time: 8-MAY-2006 18:08: Sample Time: 26-APR-2006 00:00 Energy Offset: 3.43765E+03
 Real Time : 0 02:50:00.60 Sample ID : 07 Energy Slope : 3.09835E+00
 Live Time : 0 02:50:00.00 Sample Type: RA Energy Quad : -1.62280E-04



Channel Contents for ND_AMS_ARCHIVE_S:S_0605002A-RA\$07_RA

Channel

1:	0	0	0	0	0	0	0	1	0	0	1	0	0	1
15:	1	1	1	0	1	1	0	0	0	0	1	0	0	0
29:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43:	0	0	0	0	0	0	1	0	0	0	0	0	0	0
57:	0	0	0	0	0	0	0	1	1	2	0	0	0	0
71:	0	0	0	0	0	0	0	0	1	0	0	1	0	0
85:	0	0	1	0	0	0	0	1	0	0	1	0	0	0
99:	0	2	0	0	0	0	1	0	0	0	1	0	1	0
113:	0	0	0	1	0	0	0	0	0	1	0	1	0	0
127:	0	0	0	0	0	0	0	1	0	0	0	0	0	0
141:	1	0	0	0	1	0	0	0	0	0	0	0	0	1
155:	0	0	0	1	0	0	0	1	1	1	0	0	2	2
169:	0	0	1	1	0	0	0	0	1	0	0	0	0	1
183:	0	0	0	0	0	0	0	0	0	1	0	1	0	1
197:	0	1	1	1	0	1	1	0	0	0	1	0	0	0
211:	0	1	0	3	0	0	1	0	0	0	0	0	0	0
225:	0	0	1	0	0	0	1	2	0	0	0	0	0	0
239:	1	0	0	0	0	0	0	1	0	0	0	0	1	0
253:	1	2	0	0	1	1	0	1	0	0	0	0	0	1
267:	0	0	0	0	1	0	0	2	0	0	0	0	1	1
281:	0	0	0	1	0	0	0	0	1	0	1	2	0	1
295:	1	1	0	0	0	0	0	0	0	0	0	0	0	0
309:	1	1	1	2	2	0	1	1	1	1	1	1	0	1
323:	2	1	0	1	0	0	1	1	1	0	0	1	0	1
337:	0	0	0	0	0	0	0	0	1	1	0	1	1	0
351:	0	0	0	1	0	1	0	1	0	0	1	0	1	1
365:	0	0	0	0	1	0	0	0	0	0	0	0	1	0
379:	0	0	0	0	0	1	0	0	0	0	1	0	0	1
393:	0	0	1	0	0	1	0	0	0	0	1	2	3	0
407:	0	2	0	0	1	1	0	0	0	0	1	0	2	0
421:	0	1	0	1	0	1	0	0	0	0	0	1	0	0
435:	0	0	0	0	0	0	0	1	0	0	0	0	0	0
449:	1	1	0	0	0	0	0	1	0	0	0	0	0	0
463:	0	1	0	0	0	0	0	0	0	0	0	0	0	0
477:	0	0	0	0	0	0	0	0	1	0	0	0	0	2
491:	1	0	0	0	0	0	1	0	0	0	0	0	1	0
505:	0	1	0	0	0	0	0	0	0	0	1	1	1	1
519:	1	1	0	0	0	0	0	1	0	1	1	0	0	0
533:	1	0	2	0	0	1	0	0	0	0	0	0	0	2
547:	0	0	0	0	0	0	0	0	2	0	0	3	0	0
561:	0	0	0	0	2	0	0	0	0	0	0	0	1	0
575:	0	0	0	0	1	0	0	0	1	0	0	0	0	1
589:	0	0	0	0	0	0	0	1	0	0	0	0	0	0
603:	0	0	0	0	0	0	0	1	1	0	0	0	0	0
617:	1	1	1	1	1	0	1	1	1	0	0	0	0	2
631:	0	1	0	0	0	0	0	0	0	1	1	1	0	0
645:	1	0	0	0	0	0	1	0	0	0	0	0	0	0
659:	0	0	0	0	0	1	0	0	1	1	1	1	0	1
673:	0	0	1	0	1	0	1	0	0	0	0	0	1	0
687:	0	0	0	0	1	1	0	0	0	0	0	1	1	0
701:	0	0	0	0	1	1	1	1	0	0	0	0	0	1
715:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
729:	0	0	0	0	0	0	0	0	1	0	0	0	0	0
743:	0	0	0	1	1	3	1	0	1	0	0	0	3	0
757:	0	0	1	1	0	0	0	0	0	0	0	1	0	0
771:	0	1	1	0	0	1	0	1	0	0	1	0	0	0
785:	0	0	0	0	0	0	0	1	0	0	0	0	0	0
799:	0	1	0	1	0	0	1	0	0	0	0	0	1	0
813:	0	1	0	0	0	1	0	0	0	0	0	0	0	0
827:	0	0	0	0	0	0	0	1	0	0	0	0	0	1
841:	0	0	1	0	0	0	0	0	0	0	0	0	0	0
855:	0	1	0	0	0	0	0	0	1	1	0	2	0	1
869:	0	0	1	0	0	0	0	1	0	0	0	0	0	0
883:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
897:	0	1	1	0	0	0	0	0	0	0	0	0	0	1
911:	0	0	0	0	0	0	0	0	0	1	0	0	0	0
925:	0	0	0	0	0	0	0	0	0	1	0	0	0	0
939:	0	0	1	0	0	1	0	1	0	0	0	0	1	0
953:	0	1	0	0	1	0	0	0	1	0	0	1	0	0
967:	1	0	0	0	0	0	0	0	1	1	0	0	0	0
981:	0	1	0	0	0	0	0	0	0	0	0	0	0	0
995:	0	1	0	0	0	0	0	1	0	0	0	0	0	0
1009:	1	0	0	0	1	0	0	0	0	0	0	0	0	0
1023:	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Eberline Services
Oak Ridge Laboratory

Gross Sample Counts Within Peak Regions Generated: 9-MAY-2006 00:39:54.19

Detector ID: 39	Acquisition Start: 8-MAY-2006 18:08:21.01
Live Time: 0 02:50:00.00	Real Time: 0 02:50:00.60
Batch Id: 0605002A-RA	Sample Id: 07
Sample Type: RA	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4559.76	62	0333.75	369.31	307	157	6.08E-03	12.7		
2	0	5263.52	55	0295.89	608.71	525	176	5.39E-03	13.5		
3	0	5804.78	38	0365.61	797.29	720	163	3.73E-03	16.2		

Background Counts Within Peak Regions Generated: 9-MAY-2006 00:40:08.33

Live Time: 0 16:40:00.00	Acquisition Start: 5-MAY-2006 19:29:17.01
	Real Time: 0 16:40:00.10

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4606.30	2	0 0.00	385.00	307	157	3.33E-05	70.7		
2	0	5274.27	4	0246.77	612.50	525	176	6.67E-05	50.0		
3	0	5816.06	7	0379.42	801.00	720	163	1.17E-04	37.8		

Net Sample Counts Within Peak Regions Generated: 9-MAY-2006 00:40:08.58

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4559.76*	182	0333.75	369.31	307	157	1.78E-02	12.7		
2	0	5263.52*	161	0295.89	608.71	525	176	1.58E-02	13.5		
3	0	5804.78*	111	0365.61	797.29	720	163	1.08E-02	16.4		

Flag: "*" = Peak area was modified by background subtraction

```

Configuration      : MCA0:[AMSCOUNT]00001474$1
Analyses by       : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
Sample title      : SS-07(46"-62")
Sample date       : 26-APR-2006 00:00:00 Acquisition date : 8-MAY-2006 18:08:21
Sample ID        : 07 Sample quantity : 0.99700 gram
Sample type      : RA Sample geometry  :
Detector name    : 039 Detector geometry:
Elapsed live time: 0 02:50:00.00 Elapsed real time: 0 02:50:00.60 0.0%
Energy tolerance : 100.00 keV Half life ratio : 8.00
Errors propagated: Yes Systematic Error : 3.00 %
Efficiency type  : Average value Efficiencies at : Peak Energy
Abundance limit  : 75.00
    
```

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/gram
0	4559.76*	182333.75	369.31	307	157	25.4			RA-226	2.50
0	5263.52*	161295.89	608.71	525	176	27.1			RN-222	2.21
0	5804.78*	111365.61	797.29	720	163	32.8			PO-218	1.52

Eberline Services
Oak Ridge Laboratory

ALPHA SPECTROMETRY REPORT
9-MAY-2006 00:40:32

Spectral File: ND_AMS_ARCHIVE_S:S_0605002A-RA\$08_RA.CNF

BATCH ID: 0605002A-RA * SAMPLE ID: 08
SAMPLE DATE: 26-APR-2006 00:00 * ALIQUOT: 1.010E+00 gram
SAMPLE TITLE: SS-07(62"-75") * DETECTOR NUMBER: 040
ACQ DATE: 8-MAY-2006 18:08 * AVERAGE EFFICIENCY: 20.71%
ELAPSED LIVE TIME: 10200. * RECOVERY: 94.46%
TRACER ID: NONE * TRACER FWHM (kev): 0.00
LAMBDA VALUE: 0. * ROI TYPE: STANDARD
TRACER DPM AT SAMPLE DATE: 0.000 * CONFIDENCE FACTOR: 4.65
SAMPLE MATRIX: SLUDGE * LLD CONSTANT: 2.71
ENERGY CAL DATE: 5-MAY-2006 01:31 * EFF CAL DATE: 5-MAY-2006 01:31
BKG FILENAME: B_040_5MAY06 * BKG ELAPSED TIME: 60000.
* SAF: 2.31
*

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ gram	TPU/ERROR 2-SIGMA	MDC pCi/ gram
PO-218	6003.0	190.88	0.85	100.0	2.561E+00	5.923E-01	2.169E-01
RN-222	5490.0	151.61	0.85	99.9	2.036E+00	5.235E-01	2.170E-01
RA-226	4785.0	156.57	0.51	100.0	2.101E+00	5.316E-01	1.869E-01

Jeff Rice
Analyst

5-9-06
Date

Alan Greasley
Reviewer

5/9/06
Date

Spectrum : DKA100:[ALPHA,ALUSR.ARCHIVE.S]S_0605002A-RA\$08_RA.CNF;1

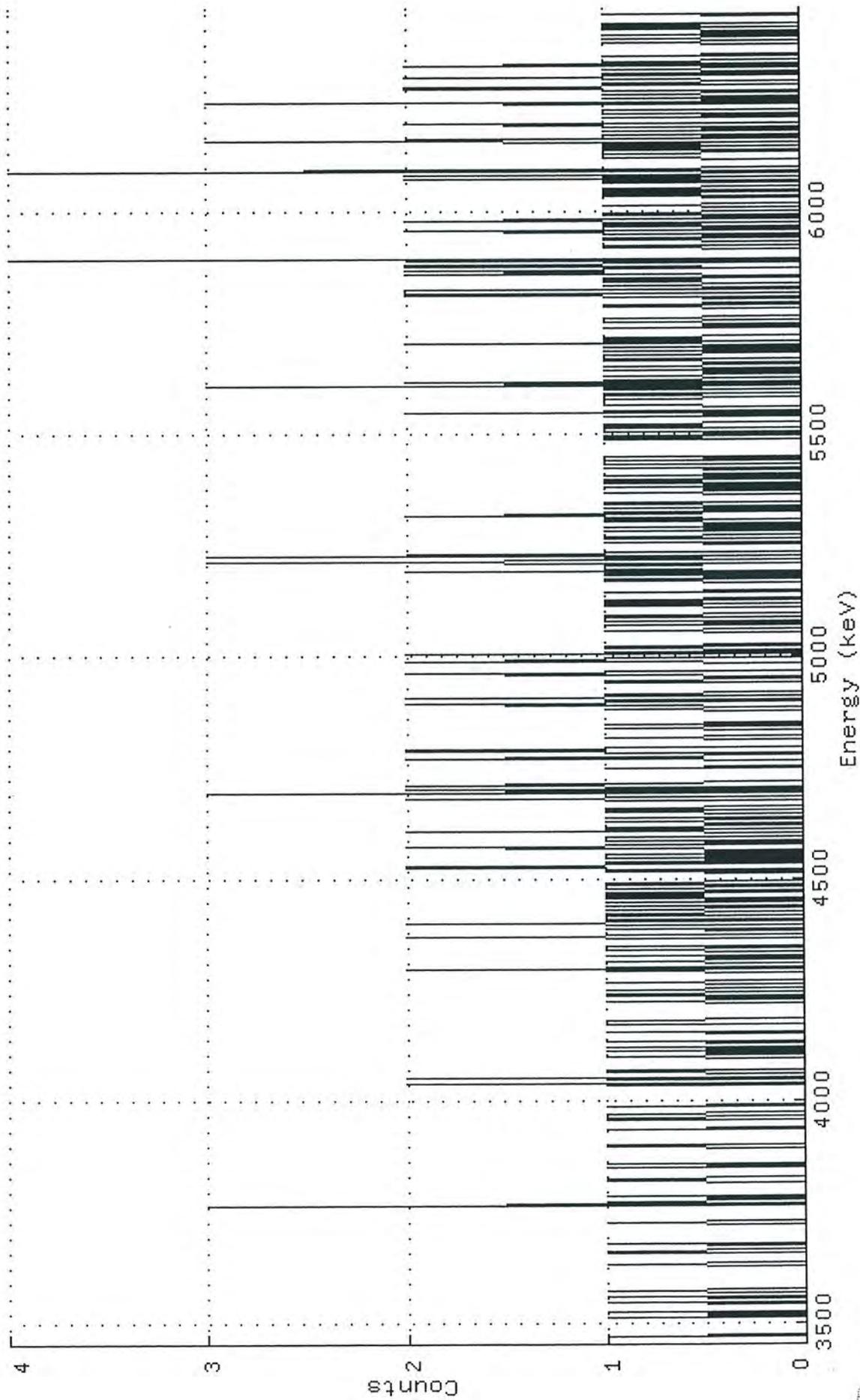
Title : 040

Sample Title: SS-07(62"-75")

Start Time: 8-MAY-2006 18:08: Sample Time: 26-APR-2006 00:00 Energy Offset: 3.44266E+03

Real Time : 0 02:50:00.40 Sample ID : 08 Energy Slope : 3.09959E+00

Live Time : 0 02:50:00.00 Sample Type: RA Energy Quad : -1.60134E-04



Channel Contents for ND_AMS_ARCHIVE_S:S_0605002A-RA\$08_RA

Channel

1:	0	0	0	0	0	0	0	0	1	0	0	0	0
15:	0	0	0	0	0	0	0	0	1	0	0	1	0
29:	0	0	0	0	1	0	0	0	1	0	0	0	1
43:	0	0	0	0	0	0	0	0	0	0	0	0	0
57:	0	0	0	0	1	0	0	0	0	0	0	0	0
71:	1	0	0	0	0	1	0	0	0	0	0	0	1
85:	0	0	0	0	0	0	0	1	0	0	0	0	0
99:	0	0	0	0	0	0	3	0	1	1	0	1	0
113:	0	0	0	0	0	0	0	0	0	0	1	1	0
127:	0	0	0	0	0	0	1	0	1	0	0	0	0
141:	0	0	0	0	0	0	0	1	1	0	0	0	0
155:	0	0	0	0	0	0	1	0	0	0	0	0	1
169:	1	0	0	1	0	0	0	0	0	1	0	0	0
183:	0	0	0	0	0	0	0	0	0	0	0	2	0
197:	0	2	0	0	0	0	1	1	0	0	0	0	0
211:	0	0	0	1	0	0	0	1	0	0	1	0	0
225:	1	0	0	0	0	0	0	1	0	0	0	0	0
239:	1	1	1	1	0	0	0	0	0	0	0	0	0
253:	0	0	1	1	0	0	1	0	1	0	0	1	0
267:	0	0	1	1	0	0	0	0	0	0	0	1	2
281:	0	0	0	0	1	0	0	0	1	0	0	0	1
295:	0	1	0	0	0	0	0	0	0	2	0	0	0
309:	1	0	0	0	0	2	0	0	1	1	1	0	0
323:	0	1	0	1	0	0	0	1	0	1	0	1	0
337:	1	0	1	1	0	0	1	1	0	0	0	0	0
351:	0	1	0	0	2	1	2	0	0	1	0	1	0
365:	0	1	0	0	1	1	2	0	1	0	0	1	1
379:	0	0	0	1	2	0	1	1	0	0	0	1	1
393:	0	0	0	0	1	1	0	1	0	0	0	0	0
407:	2	0	0	0	0	3	0	0	2	0	2	1	0
421:	0	0	0	0	0	0	0	0	0	0	1	0	0
435:	0	0	1	2	1	0	0	0	2	1	2	0	0
449:	0	0	0	0	1	1	0	0	0	0	0	0	1
463:	0	1	0	0	0	0	0	0	0	0	0	0	0
477:	0	1	2	2	0	0	0	2	0	0	1	0	0
491:	0	0	0	0	0	1	1	0	0	0	1	1	2
505:	0	0	0	0	0	0	1	2	1	1	0	0	2
519:	0	0	0	1	0	0	0	0	0	0	0	0	0
533:	0	0	1	0	0	0	0	1	0	0	1	1	0
547:	1	0	0	0	0	0	0	1	0	1	1	0	1
561:	0	0	0	0	1	0	0	0	0	0	0	1	0
575:	0	0	1	0	0	2	0	1	1	1	1	0	3
589:	0	0	1	0	3	1	1	0	0	0	0	0	1
603:	0	0	0	1	1	0	0	0	0	1	0	0	0
617:	0	0	1	1	0	1	1	2	1	0	1	0	0
631:	0	1	1	0	0	0	0	0	0	0	1	0	0
645:	1	0	0	1	0	1	0	1	0	0	1	0	0
659:	0	1	0	0	0	1	1	1	0	0	1	0	0
673:	0	0	0	0	0	0	0	0	0	0	1	1	1
687:	0	0	1	1	1	0	1	1	1	0	0	0	0
701:	1	0	0	2	0	0	0	0	1	1	1	1	1
715:	0	0	1	1	0	0	0	1	1	0	3	0	0
729:	1	0	0	1	0	0	0	1	0	0	1	1	0
743:	0	1	0	1	1	1	1	0	1	0	0	1	0
757:	1	2	0	1	1	1	0	0	0	0	0	0	1
771:	0	0	0	1	0	0	1	0	0	0	0	0	0
785:	0	1	0	1	0	0	0	0	1	0	2	0	2
799:	2	0	0	1	1	0	1	1	1	0	1	0	2
813:	1	1	2	0	1	2	2	0	0	0	4	0	0
827:	0	0	0	0	0	0	1	1	0	0	0	0	0
841:	1	0	0	1	1	2	0	0	1	0	1	0	2
855:	1	0	0	1	0	1	0	0	0	0	0	1	0
869:	0	0	0	0	1	0	1	0	1	1	0	1	0
883:	0	0	1	0	2	1	0	2	1	0	0	4	0
897:	0	0	0	0	0	0	0	1	1	1	1	0	1
911:	0	1	0	1	1	0	0	3	1	0	0	1	0
925:	0	1	0	0	1	1	2	0	0	0	0	0	0
939:	0	1	1	1	0	0	0	0	0	3	0	0	0
953:	0	1	1	0	0	0	2	1	2	0	1	1	0
967:	1	1	2	0	0	1	0	1	1	0	0	2	0
981:	1	0	0	0	0	1	0	0	0	0	0	0	0
995:	0	1	0	0	1	1	0	0	1	0	0	0	1
1009:	0	1	1	0	0	0	0	0	0	0	1	0	0
1023:	0	0	0	0	0	0	0	0	0	0	0	0	0


```

Configuration      : MCA0:[AMSCOUNT]00001474$1
Analyses by       : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
Sample title      : SS-07(62"-75")
Sample date       : 26-APR-2006 00:00:00 Acquisition date : 8-MAY-2006 18:08:41
Sample ID        : 08 Sample quantity   : 1.0098 gram
Sample type      : RA Sample geometry   :
Detector name    : 040 Detector geometry:
Elapsed live time: 0 02:50:00.00 Elapsed real time: 0 02:50:00.40 0.0%
Energy tolerance : 100.00 keV Half life ratio  : 8.00
Errors propagated: Yes Systematic Error : 3.00 %
Efficiency type  : Average value Efficiencies at  : Peak Energy
Abundance limit  : 75.00
    
```

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/gram
0	4598.21*	157407.60	380.28	306	155	24.3			RA-226	1.98
0	5282.18*	152138.71	612.88	523	176	24.8			RN-222	1.92
0	5807.20*	191306.34	795.55	717	163	22.1			PO-218	2.42

Eberline Services
Oak Ridge Laboratory

ALPHA SPECTROMETRY REPORT
9-MAY-2006 00:40:45

Spectral File: ND_AMS_ARCHIVE_S:S_0605002A-RA\$09_RA.CNF

BATCH ID: 0605002A-RA * SAMPLE ID: 09
SAMPLE DATE: 26-APR-2006 00:00 * ALIQUOT: 1.002E+00 gram
SAMPLE TITLE: SS-07(75"-78") * DETECTOR NUMBER: 041
ACQ DATE: 8-MAY-2006 18:09 * AVERAGE EFFICIENCY: 20.54%
ELAPSED LIVE TIME: 10200. * RECOVERY: 97.17%
TRACER ID: NONE * TRACER FWHM (kev): 0.00
LAMBDA VALUE: 0. * ROI TYPE: STANDARD
TRACER DPM AT SAMPLE DATE: 0.000 * CONFIDENCE FACTOR: 4.65
SAMPLE MATRIX: SLUDGE * LLD CONSTANT: 2.71
ENERGY CAL DATE: 5-MAY-2006 01:31 * EFF CAL DATE: 5-MAY-2006 01:31
BKG FILENAME: B_041_5MAY06 * BKG ELAPSED TIME: 60000.
* SAF: 2.82
*

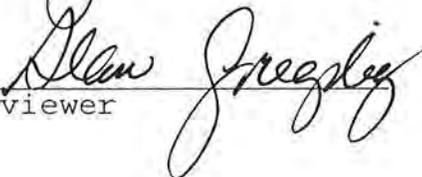
NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ gram	TPU/ERROR 2-SIGMA	MDC pCi/ gram
PO-218	6003.0	66.15	1.53	100.0	8.771E-01	3.716E-01	3.164E-01
RN-222	5490.0	84.09	0.51	99.9	1.116E+00	4.172E-01	2.256E-01
RA-226	4785.0	58.88	0.34	100.0	7.805E-01	3.470E-01	2.027E-01



Analyst

5-9-06
Date



Reviewer

5/9/06
Date

Spectrum : DKA100: [ALPHA,ALUSR.ARCHIVE.S]S_0605002A-RA\$09_RA.CNF;1

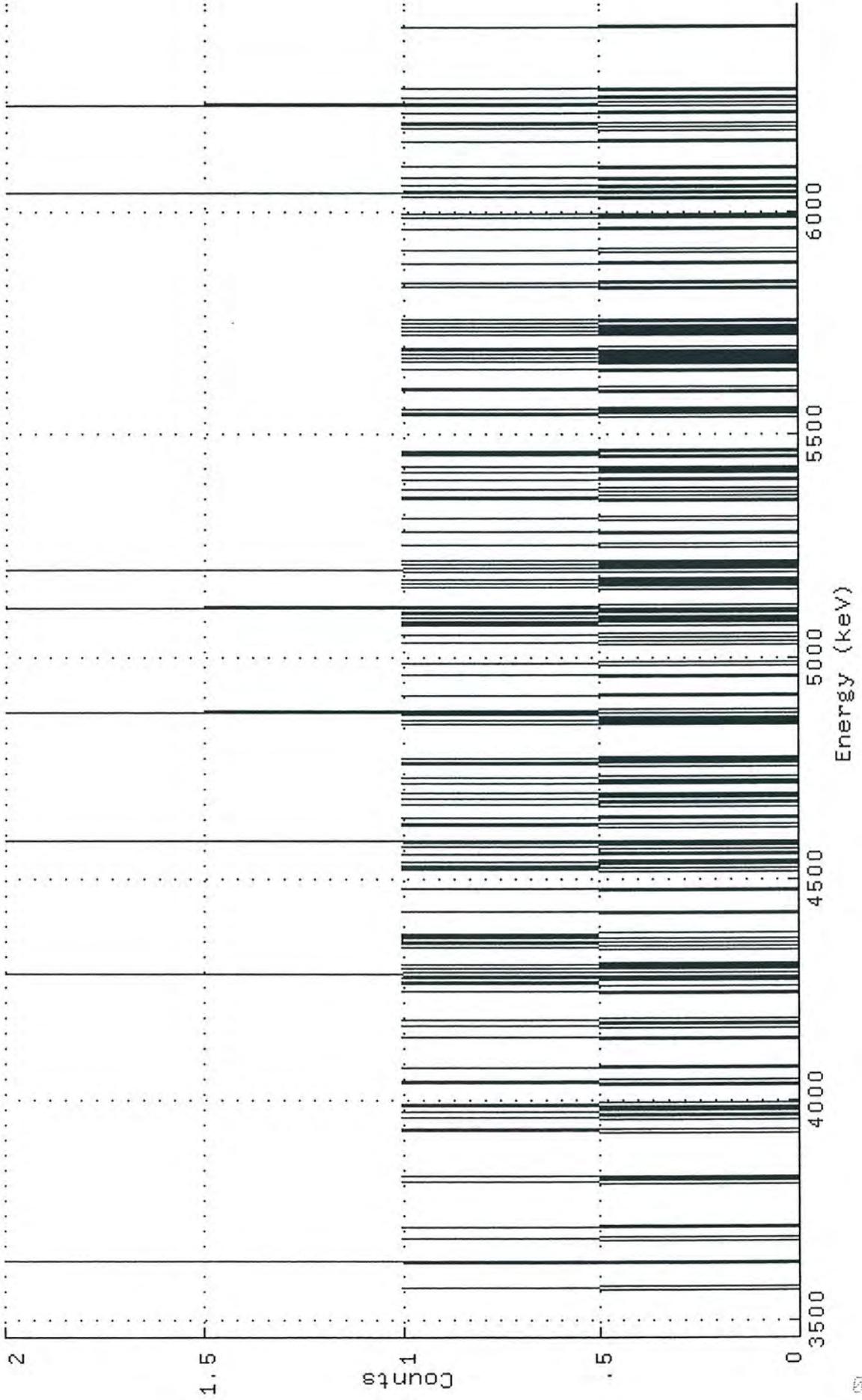
Title : 041

Sample Title: SS-07(75"-78")

Start Time: 8-MAY-2006 18:09: Sample Time: 26-APR-2006 00:00 Energy Offset: 3.45146E+03

Real Time : 0 02:50:00.40 Sample ID : 09 Energy Slope : 3.10537E+00

Live Time : 0 02:50:00.00 Sample Type: RA Energy Quad : -1.56948E-04



Channel Contents for ND_AMS_ARCHIVE_S:S_0605002A-RA\$09_RA

Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
43:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57:	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
71:	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
85:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113:	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
127:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155:	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0
169:	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0
183:	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
197:	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
211:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
225:	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
239:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
253:	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1
267:	0	0	1	0	2	0	0	0	0	1	0	0	1	0	0
281:	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
295:	0	1	1	1	0	1	1	0	0	0	0	0	0	0	0
309:	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
323:	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
337:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
351:	0	1	1	0	0	1	0	0	0	0	0	0	1	0	0
365:	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0
379:	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0
393:	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0
407:	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0
421:	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1
435:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
449:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
463:	1	0	0	0	1	0	2	1	0	0	0	0	0	0	0
477:	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
491:	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
505:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
519:	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
533:	0	0	0	1	1	0	1	0	1	0	0	1	0	0	1
547:	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0
561:	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0
575:	0	0	0	2	0	0	0	1	0	0	1	0	0	0	0
589:	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
603:	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
617:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
631:	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0
645:	0	0	0	1	0	0	0	0	0	1	0	0	1	0	0
659:	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0
673:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
687:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
701:	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
715:	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
729:	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1
743:	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0
757:	0	0	0	0	1	0	0	1	0	0	1	0	1	1	1
771:	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
785:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
799:	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
813:	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
827:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
841:	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
855:	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
869:	1	0	0	0	2	0	0	0	0	1	0	0	0	0	0
883:	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0
897:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
911:	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
925:	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0
939:	0	0	0	0	2	1	0	0	0	0	1	0	0	0	0
953:	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
967:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
981:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
995:	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
1009:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1023:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0


```

Configuration      : MCA0:[AMSCOUNT]00001474$1
Analyses by       : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
Sample title      : SS-07(75"-78")
Sample date       : 26-APR-2006 00:00:00 Acquisition date : 8-MAY-2006 18:09:22
Sample ID        : 09 Sample quantity   : 1.0016 gram
Sample type      : RA Sample geometry   :
Detector name    : 041 Detector geometry:
Elapsed live time: 0 02:50:00.00 Elapsed real time: 0 02:50:00.40 0.0%
Energy tolerance : 100.00 keV Half life ratio  : 8.00
Errors propagated: Yes Systematic Error : 3.00 %
Efficiency type  : Average value Efficiencies at  : Peak Energy
Abundance limit  : 75.00
    
```

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/gram
0	4615.66*	59	3.11	382.29	302	155	43.9		RA-226	0.758
0	5225.00*	84	93.10	588.63	519	175	36.7		RN-222	1.08
0	5800.44*	66	0.00	787.79	712	162	41.8		PO-218	0.852

Eberline Services
Oak Ridge Laboratory

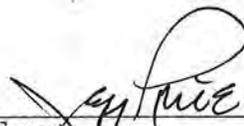
ALPHA SPECTROMETRY REPORT
9-MAY-2006 00:40:59

Spectral File: ND_AMS_ARCHIVE_S:S_0605002A-RA\$10_RA.CNF

BATCH ID:	0605002A-RA	*	SAMPLE ID:	10
SAMPLE DATE:	27-APR-2006 00:00	*	ALIQUOT:	1.005E+00 gram
SAMPLE TITLE:	SS-11(66"-97")	*	DETECTOR NUMBER:	042
ACQ DATE:	8-MAY-2006 18:09	*	AVERAGE EFFICIENCY:	21.53%
ELAPSED LIVE TIME:	10200.	*	RECOVERY:	50.31%
TRACER ID:	NONE	*	TRACER FWHM (kev):	0.00
LAMBDA VALUE:	0.	*	ROI TYPE:	STANDARD
TRACER DPM AT SAMPLE DATE:	0.000	*	CONFIDENCE FACTOR:	4.65
SAMPLE MATRIX:	SLUDGE	*	LLD CONSTANT:	2.71
ENERGY CAL DATE:	5-MAY-2006 01:31	*	EFF CAL DATE:	5-MAY-2006 01:31
BKG FILENAME:	B_042_5MAY06	*	BKG ELAPSED TIME:	60000.
		*	SAF:	1.71
		*		

NUCLIDE ACTIVITY SUMMARY

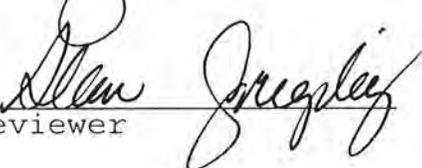
NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ gram	TPU/ERROR 2-SIGMA	MDC pCi/ gram
PO-218	6003.0	8.22	2.04	100.0	2.002E-01	2.065E-01	3.895E-01
RN-222	5490.0	18.99	1.53	99.9	4.628E-01	2.916E-01	3.526E-01
RA-226	4785.0	14.71	0.68	100.0	3.582E-01	2.516E-01	2.725E-01



Analyst

5-9-06

Date

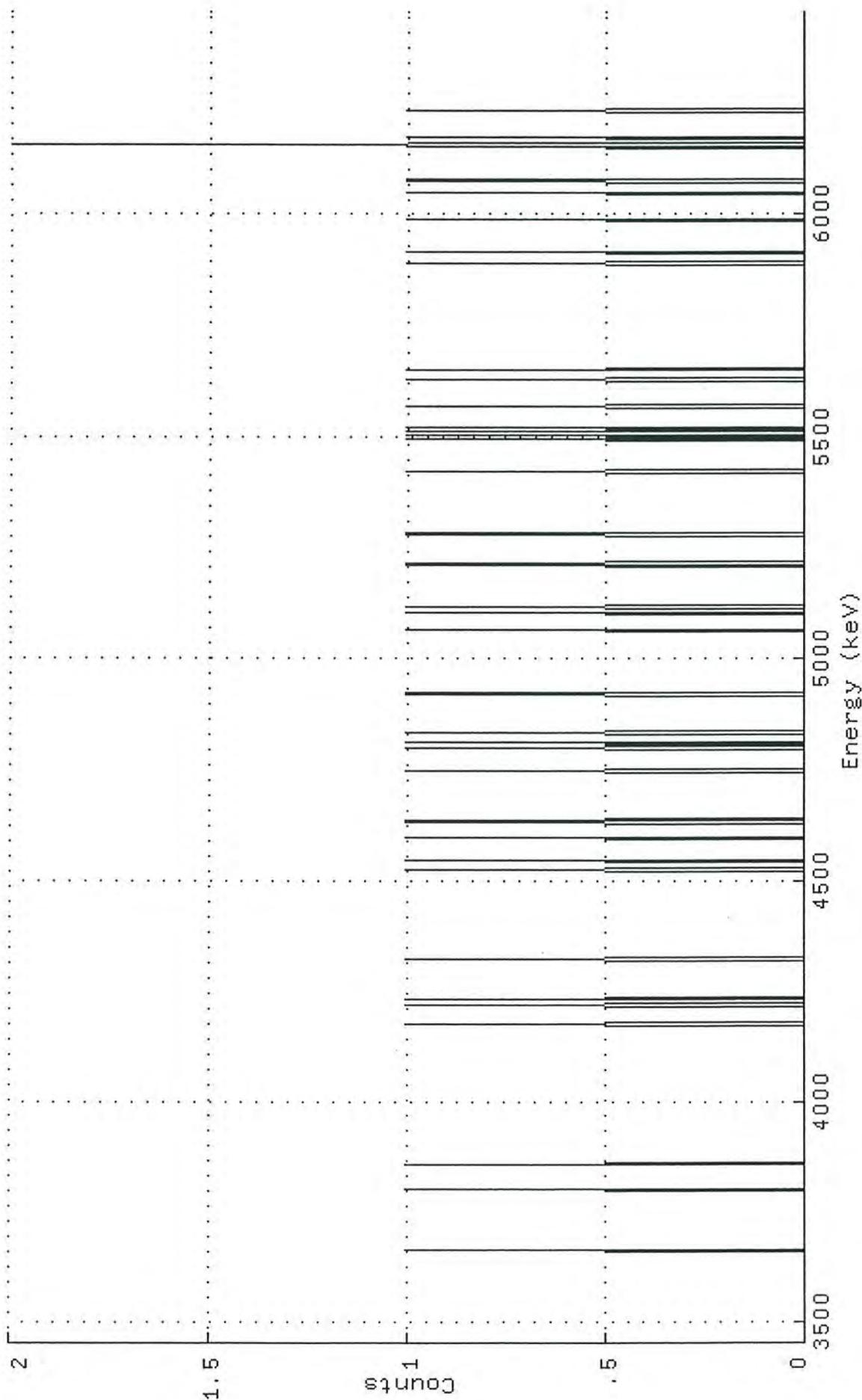


Reviewer

5/9/06

Date

Spectrum : DKA100:[ALPHA.ALUSR.ARCHIVE.S]S_0605002A-RA\$10_RA.CNF;1
 Title : 042
 Sample Title: SS-11(66"-97")
 Start Time: 8-MAY-2006 18:09: Sample Time: 27-APR-2006 00:00 Energy Offset: 3.44537E+03
 Real Time : 0 02:50:00.40 Sample ID : 10 Energy Slope : 3.13635E+00
 Live Time : 0 02:50:00.00 Sample Type: RA Energy Quad : -1.94691E-04



Channel Contents for ND_AMS_ARCHIVE_S:S_0605002A-RA\$10_RA

Channel

1:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57:	0	0	0	0	0	0	0	0	0	0	0	0	0	1
71:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113:	0	1	0	0	0	0	0	0	0	0	0	0	0	0
127:	0	0	0	0	0	0	1	0	0	0	0	0	0	0
141:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225:	0	0	0	0	0	0	0	0	0	0	0	1	0	0
239:	0	0	0	0	0	0	0	0	0	0	0	1	1	0
253:	0	0	1	0	0	0	0	0	0	0	0	0	0	0
267:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
281:	0	0	0	1	0	0	0	0	0	0	0	0	0	0
295:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
309:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
323:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
337:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
351:	1	0	0	0	0	0	0	1	0	0	0	0	0	0
365:	0	0	0	0	0	0	0	0	0	0	1	0	0	0
379:	0	0	0	0	0	0	0	0	1	0	1	0	0	0
393:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
407:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
421:	0	0	0	0	0	1	0	0	0	0	0	0	0	0
435:	0	0	0	0	0	0	0	0	1	0	0	0	1	0
449:	0	0	0	0	0	0	1	0	0	0	0	0	0	0
463:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
477:	0	0	0	0	0	0	0	1	1	0	0	0	0	0
491:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
505:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
519:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
533:	1	0	0	0	0	0	0	0	0	0	0	0	0	1
547:	0	0	0	0	1	0	0	0	0	0	0	0	0	0
561:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
575:	0	0	0	0	0	0	0	0	1	0	1	0	0	0
589:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
603:	0	0	0	0	1	1	0	0	0	0	0	0	0	0
617:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
631:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
645:	0	0	0	0	0	0	0	0	0	0	0	1	0	0
659:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
673:	0	0	0	0	0	0	0	0	1	0	0	1	0	0
687:	0	1	0	1	0	0	0	0	0	0	0	0	0	0
701:	0	0	0	0	0	0	1	0	0	0	0	0	0	0
715:	0	0	0	0	0	0	0	0	0	0	0	0	0	1
729:	0	0	0	0	0	0	0	1	0	0	0	0	0	0
743:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
757:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
771:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
785:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
799:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
813:	0	0	0	0	0	0	0	1	0	0	0	0	0	0
827:	0	0	1	0	0	0	0	0	0	0	0	0	0	0
841:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
855:	1	0	0	0	0	0	0	0	0	0	0	0	0	0
869:	0	0	0	0	0	0	0	1	0	0	0	0	0	0
883:	0	0	0	1	1	0	0	0	0	0	0	0	0	0
897:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
911:	0	0	1	0	2	0	0	0	0	0	1	0	0	0
925:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
939:	0	0	0	0	1	0	0	0	0	0	0	0	0	0
953:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
967:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
981:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
995:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1009:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1023:	0	0	0	0	0	0	0	0	0	0	0	0	0	0


```

Configuration      : MCA0:[AMSCOUNT]00001474$1
Analyses by       : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
Sample title      : SS-11(66"-97")
Sample date       : 27-APR-2006 00:00:00 Acquisition date : 8-MAY-2006 18:09:41
Sample ID        : 10 Sample quantity : 1.0047 gram
Sample type      : RA Sample geometry  :
Detector name    : 042 Detector geometry:
Elapsed live time: 0 02:50:00.00 Elapsed real time: 0 02:50:00.40 0.0%
Energy tolerance : 100.00 keV Half life ratio : 8.00
Errors propagated: Yes Systematic Error : 3.00 %
Efficiency type  : Average value Efficiencies at : Peak Energy
Abundance limit  : 75.00
    
```

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/gram
0	4679.02*	15329.32	403.44	302	155	69.9			RA-226	0.180
0	5308.31*	19495.54	617.67	519	176	62.6			RN-222	0.233
0	5850.55*	8	0.00	807.33	713	164102.9			PO-218	0.101

Eberline Services
Oak Ridge Laboratory

ALPHA SPECTROMETRY REPORT
9-MAY-2006 00:41:20

Spectral File: ND_AMS_ARCHIVE_S:S_0605002A-RA\$11_RA.CNF

BATCH ID: 0605002A-RA * SAMPLE ID: 11
SAMPLE DATE: 27-APR-2006 00:00 * ALIQUOT: 1.002E+00 gram
SAMPLE TITLE: SS-11(97"-107") * DETECTOR NUMBER: 043
ACQ DATE: 8-MAY-2006 18:10 * AVERAGE EFFICIENCY: 21.06%
ELAPSED LIVE TIME: 10200. * RECOVERY: 62.74%
TRACER ID: NONE * TRACER FWHM (kev): 0.00
LAMBDA VALUE: 0. * ROI TYPE: STANDARD
TRACER DPM AT SAMPLE DATE: 0.000 * CONFIDENCE FACTOR: 4.65
SAMPLE MATRIX: SLUDGE * LLD CONSTANT: 2.71
ENERGY CAL DATE: 5-MAY-2006 01:31 * EFF CAL DATE: 5-MAY-2006 01:31
BKG FILENAME: B_043_5MAY06 * BKG ELAPSED TIME: 60000.
* SAF: 1.71
*

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/gram	TPU/ERROR 2-SIGMA	MDC pCi/gram
PO-218	6003.0	59.17	0.68	100.0	1.185E+00	4.138E-01	2.242E-01
RN-222	5490.0	43.44	1.02	99.9	8.707E-01	3.551E-01	2.538E-01
RA-226	4785.0	74.39	0.85	100.0	1.490E+00	4.662E-01	2.396E-01

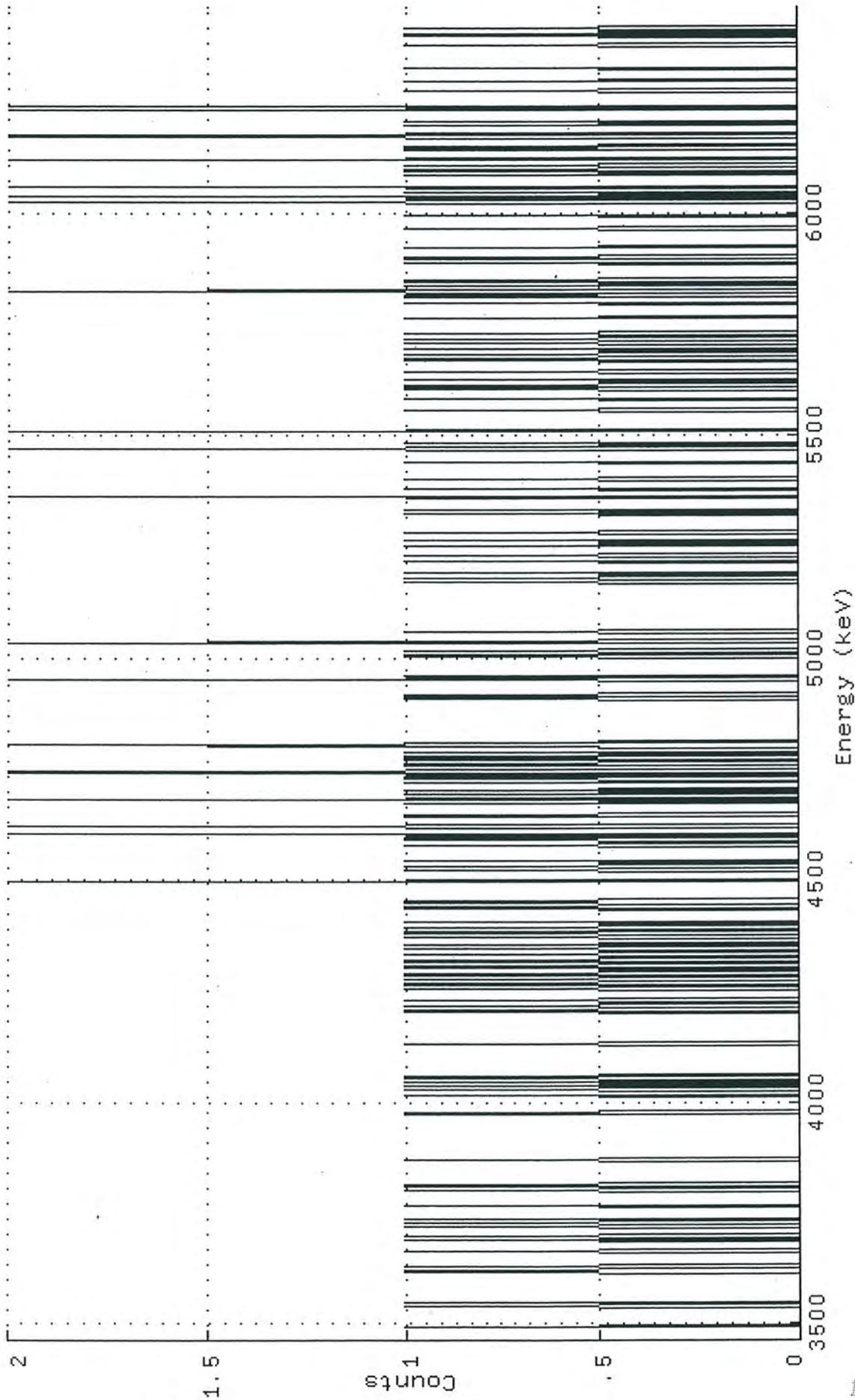
J. J. Price
Analyst

5-9-06
Date

Alan Gregory
Reviewer

5/9/06
Date

Spectrum : DKA100:[ALPHA,ALUSR.ARCHIVE.SJS_0605002A-RA\$11_RA.CNF;1
Title : 043
Sample Title: SS-11(97"-107")
Start Time: 8-MAY-2006 18:10: Sample Time: 27-APR-2006 00:00 Energy Offset: 3.45187E+03
Real Time : 0 02:50:00.40 Sample ID : 11 Energy Slope : 3.11207E+00
Live Time : 0 02:50:00.00 Sample Type: RA Energy Quad : -1.71324E-04



Channel Contents for ND_AMS_ARCHIVE_S:S_0605002A-RA\$11_RA

Channel

1:	0	0	0	0	0	0	0	0	0	0	0	0	1	0
15:	0	0	0	0	0	0	0	0	0	0	0	0	0	1
29:	0	1	0	0	0	0	0	0	0	0	0	0	0	0
43:	0	0	0	0	0	0	0	0	0	0	1	1	0	0
57:	1	0	0	0	0	0	0	0	0	0	0	0	0	0
71:	0	0	0	0	0	1	0	0	1	0	0	0	0	0
85:	0	1	0	0	1	0	1	0	0	0	0	0	0	0
99:	0	0	1	0	0	0	0	0	0	0	0	0	0	1
113:	1	0	0	1	1	0	0	0	0	0	0	0	0	0
127:	0	0	0	0	0	0	0	0	1	0	0	0	0	0
141:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169:	1	1	0	0	0	0	0	0	0	0	0	0	0	1
183:	0	0	0	0	1	0	0	1	0	0	1	0	1	0
197:	1	0	0	0	0	0	0	0	0	0	0	0	0	0
211:	0	0	0	0	0	0	0	0	0	1	1	0	0	0
225:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239:	0	0	0	0	0	1	0	0	1	0	0	1	0	0
253:	1	0	0	0	0	0	0	0	0	1	0	1	0	1
267:	0	0	1	0	0	1	1	0	0	0	1	0	1	0
281:	0	1	1	0	0	0	1	1	1	0	1	1	0	0
295:	1	0	0	0	0	1	0	0	1	1	0	0	1	0
309:	0	0	1	0	0	0	0	0	0	0	0	0	1	0
323:	1	0	0	1	1	0	0	0	0	0	0	0	0	0
337:	0	0	0	0	0	2	0	0	0	0	0	0	0	1
351:	0	0	1	0	0	0	1	0	0	0	0	0	0	0
365:	0	0	0	0	1	0	0	0	1	0	1	0	2	0
379:	0	0	0	0	2	0	0	0	0	0	0	0	1	1
393:	0	0	0	0	0	0	0	0	1	0	0	2	0	0
407:	0	1	0	0	1	0	0	0	0	0	1	0	1	0
421:	1	0	2	0	2	0	0	0	0	1	1	0	0	1
435:	1	0	1	0	1	0	0	0	0	1	2	0	1	0
449:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
463:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
477:	0	0	0	1	1	0	1	0	0	0	0	0	0	0
491:	0	0	0	1	2	0	1	0	0	0	0	0	0	0
505:	0	0	0	0	0	0	0	1	0	1	0	1	1	0
519:	0	0	0	0	2	1	0	0	0	0	0	0	1	0
533:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
547:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
561:	0	0	0	0	0	0	0	0	1	1	0	1	0	0
575:	0	1	0	0	0	0	0	0	0	0	1	0	0	0
589:	0	1	0	0	0	0	0	0	0	1	0	0	1	0
603:	0	0	0	0	1	1	0	0	0	0	0	0	0	0
617:	0	0	0	0	0	1	0	0	1	0	0	0	0	0
631:	0	0	0	0	2	0	0	0	0	0	1	0	0	0
645:	0	0	0	0	1	0	0	0	0	0	0	0	0	0
659:	0	0	0	1	0	0	0	0	0	0	0	0	0	0
673:	2	0	0	0	1	0	0	0	0	0	0	0	0	0
687:	2	0	0	0	0	0	0	0	0	0	0	0	0	0
701:	0	1	1	0	0	0	0	0	0	0	1	0	0	0
715:	0	0	0	0	1	1	0	1	0	0	0	1	0	0
729:	0	0	0	1	1	0	0	0	0	0	0	0	1	0
743:	1	0	0	1	0	0	0	1	0	0	0	0	1	0
757:	0	1	0	0	0	1	1	0	0	0	0	0	0	0
771:	0	0	0	0	1	0	0	0	0	0	0	0	0	0
785:	0	1	0	0	0	0	0	1	1	0	0	2	0	0
799:	0	0	1	0	1	0	1	0	0	0	0	0	0	0
813:	0	0	0	0	0	1	0	0	0	1	1	0	0	0
827:	0	0	0	0	1	0	0	0	0	0	0	0	0	0
841:	0	0	0	0	0	1	0	0	0	0	0	0	0	0
855:	0	1	0	0	0	0	0	0	0	0	0	0	2	0
869:	0	0	2	0	0	1	0	0	0	0	2	0	0	0
883:	0	0	0	0	0	0	1	0	1	0	1	0	1	1
897:	0	0	0	0	2	0	0	0	0	0	0	0	0	0
911:	0	1	0	0	0	0	0	0	2	0	2	0	0	0
925:	0	0	0	0	1	0	1	0	0	0	0	0	0	0
939:	0	0	2	0	2	0	0	0	0	0	0	0	0	0
953:	0	0	0	1	0	0	0	0	0	0	0	1	0	0
967:	0	0	0	0	0	0	0	1	0	0	0	0	0	0
981:	0	0	0	0	0	0	0	0	0	0	0	0	1	0
995:	0	0	0	0	0	1	0	0	1	0	0	0	1	0
1009:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1023:	0	0	0	0	0	0	0	0	0	0	0	0	0	0


```

Configuration      : MCA0:[AMSCOUNT]00001474$1
Analyses by       : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
Sample title      : SS-11(97"-107")
Sample date       : 27-APR-2006 00:00:00 Acquisition date : 8-MAY-2006 18:10:00
Sample ID        : 11 Sample quantity   : 1.0015 gram
Sample type      : RA Sample geometry   :
Detector name    : 043 Detector geometry:
Elapsed live time: 0 02:50:00.00 Elapsed real time: 0 02:50:00.40 0.0%
Energy tolerance : 100.00 keV Half life ratio  : 8.00
Errors propagated: Yes Systematic Error  : 3.00 %
Efficiency type  : Average value Efficiencies at  : Peak Energy
Abundance limit  : 75.00
    
```

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/gram
0	4632.34*	74323.66	387.59	302	155	30.5			RA-226	0.935
0	5284.59*	43513.43	609.35	519	176	40.2			RN-222	0.546
0	5804.30*	59236.45	790.29	713	163	34.2			PO-218	0.744

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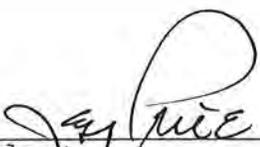
ALPHA SPECTROMETRY REPORT
9-MAY-2006 00:41:38

Spectral File: ND_AMS_ARCHIVE_S:S_0605002A-RA\$12_RA.CNF

BATCH ID: 0605002A-RA * SAMPLE ID: 12
SAMPLE DATE: 27-APR-2006 00:00 * ALIQUOT: 9.903E-01 gram
SAMPLE TITLE: SS-11(107"-110") * DETECTOR NUMBER: 044
ACQ DATE: 8-MAY-2006 18:10 * AVERAGE EFFICIENCY: 20.85%
ELAPSED LIVE TIME: 10200. * RECOVERY: 75.82%
TRACER ID: NONE * TRACER FWHM (kev): 0.00
LAMBDA VALUE: 0. * ROI TYPE: STANDARD
TRACER DPM AT SAMPLE DATE: 0.000 * CONFIDENCE FACTOR: 4.65
SAMPLE MATRIX: SLUDGE * LLD CONSTANT: 2.71
ENERGY CAL DATE: 5-MAY-2006 01:31 * EFF CAL DATE: 5-MAY-2006 01:31
BKG FILENAME: B_044_5MAY06 * BKG ELAPSED TIME: 60000.
* SAF: 1.76
*

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ gram	TPU/ERROR 2-SIGMA	MDC pCi/ gram
PO-218	6003.0	45.76	0.00	100.0	7.745E-01	3.085E-01	8.073E-02
RN-222	5490.0	51.78	1.02	99.9	8.769E-01	3.325E-01	2.208E-01
RA-226	4785.0	45.08	0.68	100.0	7.629E-01	3.085E-01	1.949E-01



Analyst

5-9-06

Date

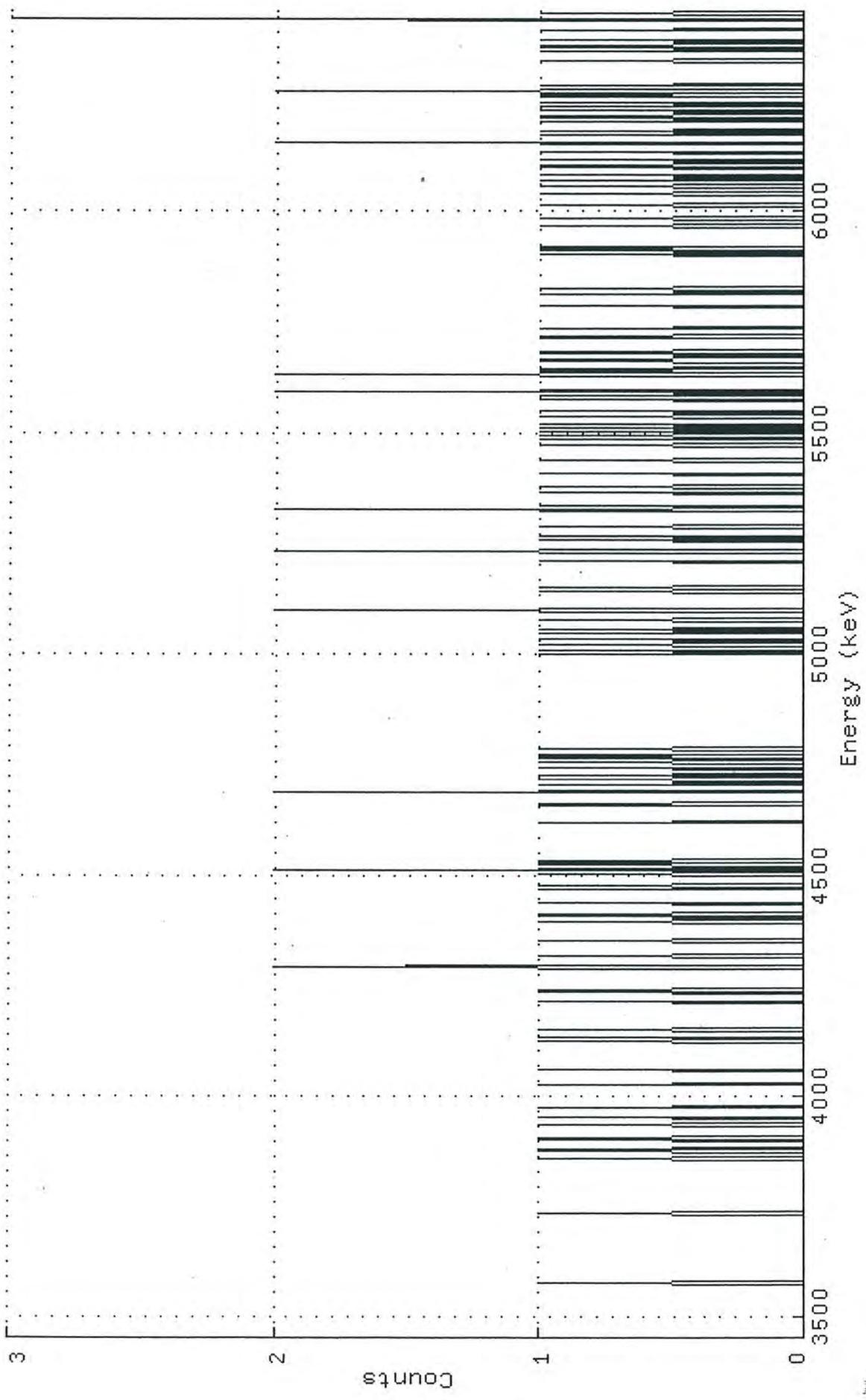


Reviewer

5/9/06

Date

Spectrum : DKA100: [ALPHA.ALUSR.ARCHIVE.SJS_0605002A-RA\$12_RA.CNF; 1
Title : 044
Sample Title: SS-11(107"-110")
Start Time: 8-MAY-2006 18:10: Sample Time: 27-APR-2006 00:00 Energy Offset: 3.44256E+03
Real Time : 0 02:50:00.50 Sample ID : 12 Energy Slope : 3.11680E+00
Live Time : 0 02:50:00.00 Sample Type: RA Energy Quad : -1.76942E-04



Channel Contents for ND_AMS_ARCHIVE_S:S_0605002A-RA\$12_RA

Channel

1:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43:	1	0	0	0	0	0	0	0	0	0	0	0	0	0
57:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85:	0	0	0	0	0	0	0	0	0	1	0	0	0	0
99:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127:	0	0	0	0	0	0	0	0	1	0	0	0	0	1
141:	0	1	0	0	0	0	0	1	0	1	0	0	0	0
155:	0	0	0	0	0	1	0	0	0	0	1	0	0	0
169:	0	0	0	0	1	0	0	0	0	0	0	0	0	0
183:	0	0	0	0	0	0	0	1	0	0	0	0	0	0
197:	0	0	0	1	0	0	0	0	0	0	0	0	0	0
211:	0	0	0	0	0	0	0	0	0	0	0	1	0	1
225:	0	0	0	0	0	1	0	0	0	0	0	0	0	0
239:	0	0	0	0	0	0	0	0	0	0	0	0	1	0
253:	0	0	0	0	0	1	0	1	0	0	0	0	0	0
267:	0	0	0	0	0	0	0	0	0	0	2	1	0	0
281:	0	0	0	0	1	1	0	0	0	0	0	0	0	0
295:	0	0	1	0	0	0	0	0	0	0	0	0	0	0
309:	0	0	1	0	0	0	1	0	1	0	0	0	0	0
323:	0	0	1	0	0	0	0	0	0	0	0	0	0	1
337:	0	1	0	0	0	0	0	0	0	0	1	0	0	2
351:	0	0	0	1	1	0	1	0	0	0	0	0	0	0
365:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
379:	0	0	0	0	0	0	0	1	0	0	0	0	0	0
393:	0	0	0	0	0	0	1	1	0	0	0	0	0	0
407:	0	0	2	0	0	0	0	0	1	0	0	0	1	0
421:	0	1	0	0	0	0	1	0	0	0	0	1	0	1
435:	0	1	1	0	0	0	0	1	0	0	0	0	0	0
449:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
463:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
477:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
491:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
505:	0	0	0	0	0	0	0	0	0	0	1	0	1	0
519:	0	0	0	1	0	0	0	1	0	0	0	0	1	0
533:	0	1	0	0	0	0	0	0	1	0	0	0	0	0
547:	0	2	0	0	0	0	0	0	0	0	0	0	0	0
561:	0	0	1	0	0	1	0	0	0	0	0	0	0	0
575:	0	0	0	0	0	0	0	0	0	0	0	1	0	0
589:	0	0	0	0	0	2	0	0	0	0	0	0	0	1
603:	0	0	1	0	0	0	0	0	0	0	1	0	0	0
617:	0	0	0	0	0	0	0	0	0	2	1	0	1	0
631:	0	0	0	0	0	0	0	0	1	0	0	0	0	1
645:	0	0	0	0	0	0	0	0	0	1	0	0	0	0
659:	0	0	0	0	0	0	1	0	0	0	0	0	0	0
673:	0	0	0	0	1	0	0	0	0	1	0	1	1	0
687:	0	1	0	0	0	1	0	1	0	0	0	0	1	0
701:	0	0	1	0	0	0	0	0	0	0	0	1	0	0
715:	0	1	0	0	2	0	0	0	0	0	0	0	0	0
729:	0	0	0	2	0	0	1	0	1	0	0	0	0	1
743:	1	1	0	0	0	1	0	1	0	0	0	0	0	0
757:	0	0	0	0	1	1	0	0	0	0	0	0	1	0
771:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
785:	0	1	0	0	0	0	0	0	0	0	0	1	0	0
799:	0	1	0	0	0	0	0	0	0	0	0	0	0	0
813:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
827:	1	0	0	1	0	1	1	0	0	0	0	0	0	0
841:	0	0	0	0	0	0	0	0	0	1	0	0	0	0
855:	0	1	0	0	0	0	0	0	0	0	0	0	1	0
869:	0	0	0	0	0	0	0	1	0	0	0	0	0	1
883:	0	0	0	0	1	0	0	0	1	0	0	0	0	0
897:	1	0	1	0	0	0	1	0	0	0	0	0	1	0
911:	0	0	0	0	0	0	2	0	0	0	0	0	0	1
925:	0	0	1	0	0	0	0	0	0	0	1	0	1	0
939:	1	0	0	0	1	0	0	0	1	0	1	0	0	0
953:	0	0	1	1	0	0	2	0	0	0	0	1	0	0
967:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
981:	0	0	1	1	0	0	0	0	0	0	0	1	0	1
995:	0	1	0	0	0	1	0	0	0	0	0	0	0	0
1009:	1	0	0	0	0	0	0	0	3	0	0	0	0	1
1023:	0	0	0	0	0	0	0	0	0	0	0	0	0	0


```

Configuration      : MCA0:[AMSCOUNT]00001474$1
Analyses by       : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
Sample title      : SS-11(107"-110")
Sample date       : 27-APR-2006 00:00:00 Acquisition date : 8-MAY-2006 18:10:20
Sample ID         : 12 Sample quantity : 0.99030 gram
Sample type       : RA Sample geometry  :
Detector name     : 044 Detector geometry:
Elapsed live time: 0 02:50:00.00 Elapsed real time: 0 02:50:00.50 0.0%
Energy tolerance  : 100.00 keV Half life ratio : 8.00
Errors propagated: Yes Systematic Error : 3.00 %
Efficiency type   : Average value Efficiencies at : Peak Energy
Abundance limit   : 75.00
    
```

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/gram
0	4606.21*	45187.01	381.62	304	156	39.8			RA-226	0.578
0	5285.99*	52247.79	612.77	522	176	37.3			RN-222	0.665
0	5764.04*	46	43.64	779.31	716	163	39.2		PO-218	0.587

Eberline Services
Oak Ridge Laboratory

ALPHA SPECTROMETRY REPORT
9-MAY-2006 00:42:01

Spectral File: ND_AMS_ARCHIVE_S:S_0605002A-RA\$13_RA.CNF

BATCH ID: 0605002A-RA * SAMPLE ID: 13
SAMPLE DATE: 27-APR-2006 00:00 * ALIQUOT: 1.004E+00 gram
SAMPLE TITLE: SS-12(29"-73") * DETECTOR NUMBER: 045
ACQ DATE: 8-MAY-2006 18:10 * AVERAGE EFFICIENCY: 20.54%
ELAPSED LIVE TIME: 10200. * RECOVERY: 94.31%
TRACER ID: NONE * TRACER FWHM (kev): 0.00
LAMBDA VALUE: 0. * ROI TYPE: STANDARD
TRACER DPM AT SAMPLE DATE: 0.000 * CONFIDENCE FACTOR: 4.65
SAMPLE MATRIX: SLUDGE * LLD CONSTANT: 2.71
ENERGY CAL DATE: 5-MAY-2006 01:31 * EFF CAL DATE: 5-MAY-2006 01:31
BKG FILENAME: B_045_5MAY06 * BKG ELAPSED TIME: 60000.
* SAF: 2.87
*

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/ gram	TPU/ERROR 2-SIGMA	MDC pCi/ gram
PO-218	6003.0	39.84	0.34	100.0	5.430E-01	2.952E-01	2.121E-01
RN-222	5490.0	111.59	0.34	99.9	1.522E+00	5.002E-01	2.122E-01
RA-226	4785.0	57.23	0.17	100.0	7.798E-01	3.540E-01	1.810E-01

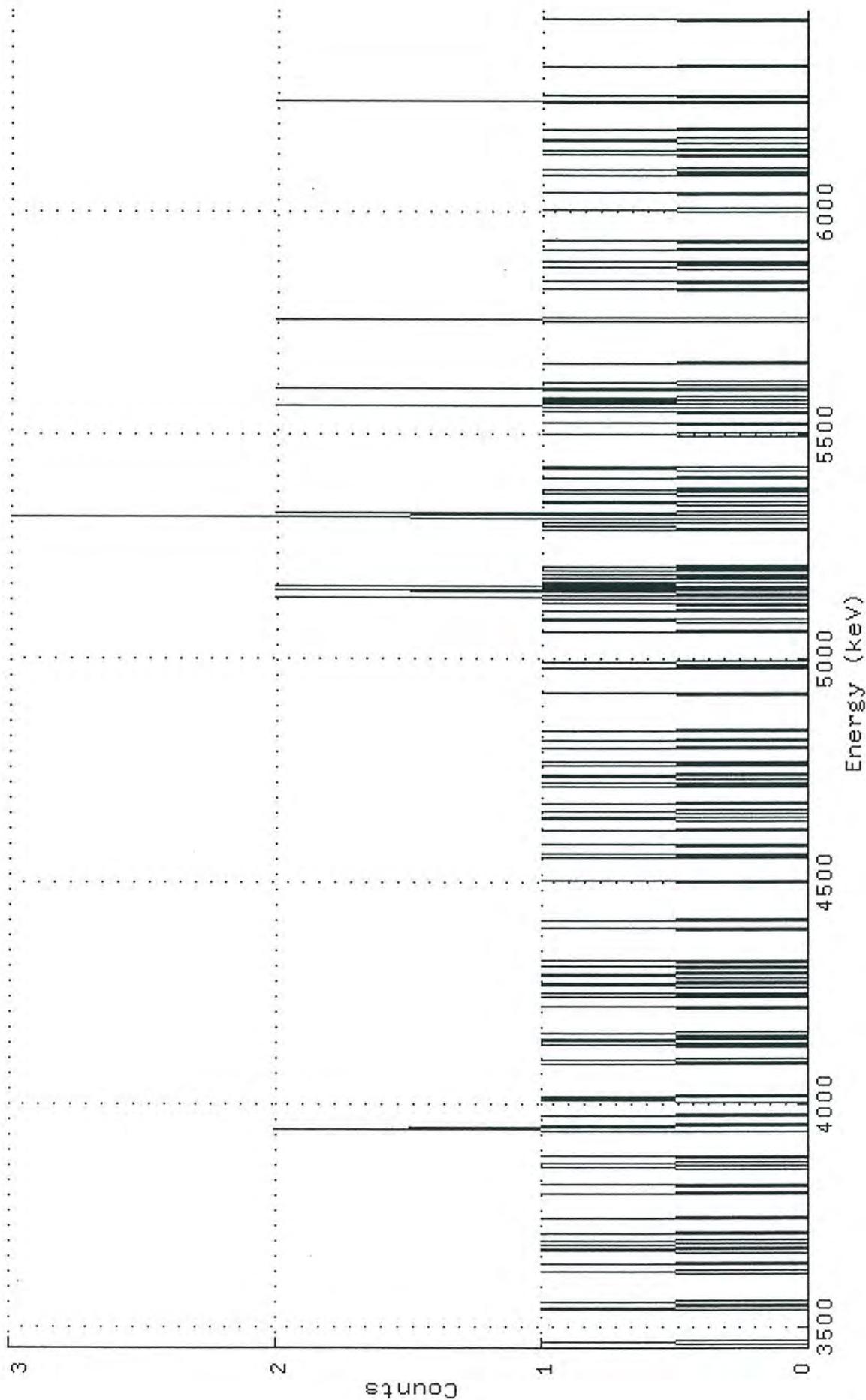
Analyst *J. M. P. [Signature]*

Date 5-9-06

Reviewer *Alan [Signature]*

Date 5/9/06

Spectrum : DKA100:[ALPHA.ALUSR.ARCHIVE.S]S_0605002A-RA\$13_RA.CNF;1
Title : 045
Sample Title: SS-12(29"-73")
Start Time: 8-MAY-2006 18:10: Sample Time: 27-APR-2006 00:00 Energy Offset: 3.44354E+03
Real Time : 0 02:50:00.00 Sample ID : 13 Energy Slope : 3.13074E+00
Live Time : 0 02:50:00.00 Sample Type: RA Energy Quad : -1.95719E-04




```

Configuration      : MCA0:[AMSCOUNT]00001474$1
Analyses by       : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
Sample title      : SS-12(29"-73")
Sample date       : 27-APR-2006 00:00:00 Acquisition date : 8-MAY-2006 18:10:51
Sample ID         : 13 Sample quantity   : 1.0039 gram
Sample type       : RA Sample geometry   :
Detector name     : 045 Detector geometry:
Elapsed live time: 0 02:50:00.00 Elapsed real time: 0 02:50:00.00 0.0%
Energy tolerance  : 100.00 keV Half life ratio  : 8.00
Errors propagated: Yes Systematic Error : 3.00 %
Efficiency type   : Average value Efficiencies at  : Peak Energy
Abundance limit   : 75.00
    
```

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/gram
0	4655.30*	57	0.00	396.90	303	156	44.9		RA-226	0.735
0	5257.68*	112202.72	602.13	602.13	520	177	32.1		RN-222	1.44
0	5805.55*	40175.32	793.86	793.86	716	164	53.9		PO-218	0.512

Eberline Services
Oak Ridge Laboratory

ALPHA SPECTROMETRY REPORT
9-MAY-2006 00:42:18

Spectral File: ND_AMS_ARCHIVE_S:S_0605002A-RA\$14_RA.CNF

*
BATCH ID: 0605002A-RA * SAMPLE ID: 14
SAMPLE DATE: 26-APR-2006 00:00 * ALIQUOT: 1.002E+00 gram
SAMPLE TITLE: SS-05(67"-93") * DETECTOR NUMBER: 046
ACQ DATE: 8-MAY-2006 18:11 * AVERAGE EFFICIENCY: 20.62%
ELAPSED LIVE TIME: 10200. * RECOVERY: 87.24%
TRACER ID: NONE * TRACER FWHM (kev): 0.00
LAMBDA VALUE: 0. * ROI TYPE: STANDARD
TRACER DPM AT SAMPLE DATE: 0.000 * CONFIDENCE FACTOR: 4.65
SAMPLE MATRIX: SLUDGE * LLD CONSTANT: 2.71
ENERGY CAL DATE: 5-MAY-2006 01:31 * EFF CAL DATE: 5-MAY-2006 01:31
BKG FILENAME: B_046_5MAY06 * BKG ELAPSED TIME: 60000.
* SAF: 2.31
*

NUCLIDE ACTIVITY SUMMARY

NUCLIDE	ENERGY	NET AREA	BKG	%ABN	ACTIVITY pCi/gram	TPU/ERROR 2-SIGMA	MDC pCi/gram
PO-218	6003.0	52.79	0.34	100.0	7.758E-01	3.301E-01	1.840E-01
RN-222	5490.0	47.32	1.19	99.9	6.958E-01	3.153E-01	2.644E-01
RA-226	4785.0	43.21	0.68	100.0	6.349E-01	2.993E-01	2.221E-01

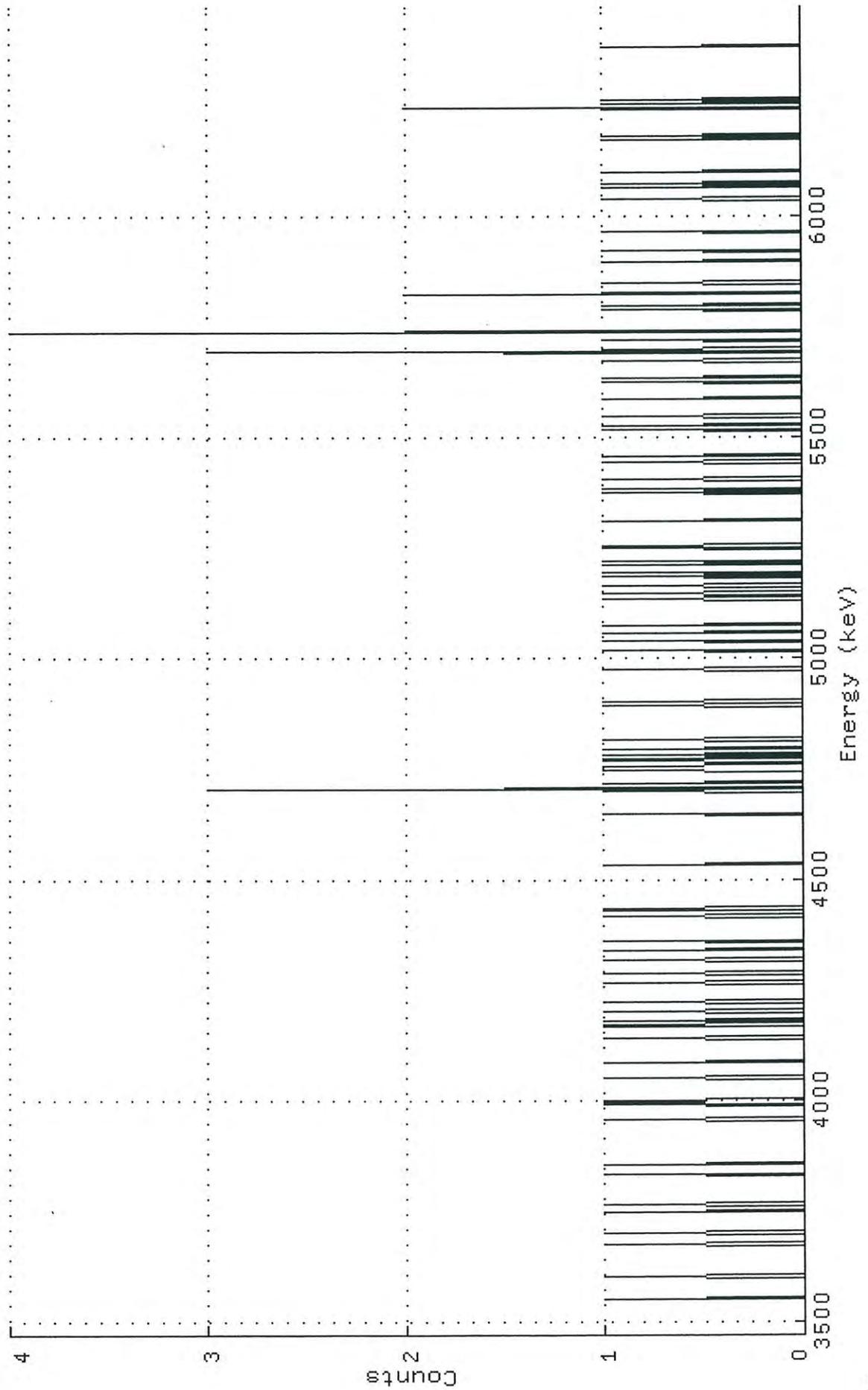
Analyst *JA Price*

Date *5-9-06*

Reviewer *Alan Gregory*

Date *5/9/06*

Spectrum : DKA100:[ALPHA.ALUSR.ARCHIVE.S]S_0605002A-RA\$14_RA.CNF;1
 Title : 046
 Sample Title: SS-05(67"-93")
 Start Time: 8-MAY-2006 18:11: Sample Time: 26-APR-2006 00:00 Energy Offset: 3.45912E+03
 Real Time : 0 02:50:00.00 Sample ID : 14 Energy Slope : 3.09789E+00
 Live Time : 0 02:50:00.00 Sample Type: RA Energy Quad : -1.56773E-04



Channel Contents for ND_AMS_ARCHIVE_S:S_0605002A-RA\$14_RA

Channel

1:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29:	0	1	0	0	0	0	0	0	0	0	0	0	0	0
43:	0	0	0	1	0	0	0	0	0	0	0	0	0	0
57:	0	0	0	0	0	0	0	0	0	0	0	0	0	1
71:	0	0	0	0	0	0	0	1	0	0	0	0	0	0
85:	0	0	0	0	0	0	0	0	0	1	0	0	0	0
99:	1	0	0	0	0	0	0	0	0	0	0	0	0	0
113:	0	0	0	0	0	0	0	0	1	0	0	0	0	0
127:	0	0	1	0	0	0	0	0	0	0	0	0	0	0
141:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155:	0	0	0	0	0	0	0	1	0	0	0	0	0	0
169:	0	0	0	0	1	0	1	1	0	0	0	0	0	0
183:	0	0	0	0	0	0	0	0	0	1	0	0	0	0
197:	0	0	0	0	0	0	0	0	1	0	0	0	0	0
211:	0	0	0	0	0	0	0	0	0	0	0	0	1	0
225:	0	0	0	0	0	0	0	1	1	0	0	1	0	0
239:	0	0	0	0	1	0	0	0	0	0	0	1	0	0
253:	0	0	0	0	0	0	0	0	0	0	0	1	0	0
267:	0	0	0	0	1	0	0	0	0	0	0	0	0	0
281:	1	0	0	0	0	0	0	0	1	0	0	0	0	0
295:	1	0	0	0	0	0	0	0	0	0	0	0	0	0
309:	0	0	0	0	0	1	0	0	0	0	1	1	0	0
323:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
337:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
351:	0	0	1	0	0	0	0	0	0	0	0	0	0	0
365:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
379:	0	0	0	0	0	0	0	0	0	0	0	0	1	0
393:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
407:	0	0	1	0	3	0	0	0	1	0	0	0	0	0
421:	0	0	0	0	1	1	1	1	0	0	0	1	0	1
435:	0	0	1	0	0	0	1	0	0	0	0	0	0	1
449:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
463:	0	0	0	0	0	0	0	0	0	0	0	1	0	0
477:	1	0	0	0	0	0	0	0	0	0	0	0	0	0
491:	0	0	0	0	0	0	0	0	0	0	0	1	0	0
505:	0	0	0	0	0	0	0	0	0	0	0	1	0	0
519:	0	0	0	0	1	0	0	0	0	0	0	1	0	0
533:	0	0	0	1	0	0	0	0	0	0	0	0	0	0
547:	0	0	0	0	0	0	0	0	0	1	0	0	0	1
561:	1	0	0	0	0	1	0	0	0	0	0	0	1	0
575:	0	1	0	0	0	0	0	0	1	0	1	0	0	0
589:	0	0	0	0	0	0	1	0	1	0	0	0	0	0
603:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
617:	1	0	0	0	0	0	0	0	0	0	0	0	0	0
631:	0	0	0	0	0	0	0	1	0	0	1	0	0	0
645:	0	0	0	0	1	0	0	0	0	0	0	0	0	0
659:	0	0	0	1	0	0	0	0	1	0	0	0	0	0
673:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
687:	1	0	0	0	1	0	0	0	0	0	0	1	0	0
701:	0	0	0	0	0	0	0	0	0	0	0	1	0	0
715:	0	0	0	0	0	0	0	0	0	1	0	0	0	1
729:	0	0	0	0	0	0	0	0	0	0	0	0	1	0
743:	0	0	0	0	0	3	0	1	0	0	0	0	0	0
757:	1	0	0	0	0	0	0	4	0	0	0	0	0	0
771:	0	0	0	0	0	0	0	0	0	0	1	0	0	0
785:	1	0	0	0	0	0	0	0	0	2	0	0	0	0
799:	0	0	0	0	1	0	0	0	0	0	0	0	0	0
813:	0	0	0	0	0	0	0	1	0	0	0	0	0	0
827:	0	1	0	0	0	0	0	0	0	0	0	0	0	0
841:	0	0	1	0	0	0	0	0	0	0	0	0	0	0
855:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
869:	1	1	0	0	0	0	0	0	0	0	1	0	0	1
883:	0	0	0	0	0	0	0	0	1	0	0	0	0	0
897:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
911:	0	0	0	0	0	0	1	0	0	1	0	0	0	0
925:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
939:	0	0	0	2	0	0	0	1	0	0	1	0	0	0
953:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
967:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
981:	0	0	0	0	0	0	0	0	0	0	0	1	0	0
995:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1009:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1023:	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Eberline Services
Oak Ridge Laboratory

Gross Sample Counts Within Peak Regions Generated: 9-MAY-2006 00:42:04.89

Detector ID: 46	Acquisition Start: 8-MAY-2006 18:11:14.01
Live Time: 0 02:50:00.00	Real Time: 0 02:50:00.00
Batch Id: 0605002A-RA	Sample Id: 14
Sample Type: RA	

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4681.32	19	0	3.10	402.74	300	156	1.86E-03	22.9	
2	0	5260.44	21	0	523.54	599.67	517	176	2.06E-03	21.8	
3	0	5775.00	23	0	52.15	778.22	712	162	2.25E-03	20.9	

Background Counts Within Peak Regions Generated: 9-MAY-2006 00:42:16.87

Live Time: 0 16:40:00.00	Acquisition Start: 5-MAY-2006 19:29:42.01
	Real Time: 0 16:40:00.20

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4605.58	4	0	235.40	377.50	300	156	6.67E-05	50.0	
2	0	5274.57	7	0	0.00	604.50	517	176	1.17E-04	37.8	
3	0	5816.67	2	0	3.10	792.50	712	162	3.33E-05	70.7	

Net Sample Counts Within Peak Regions Generated: 9-MAY-2006 00:42:17.14

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	4681.32*	43	0	3.10	402.74	300	156	4.24E-03	23.3	
2	0	5260.44*	47	0	523.54	599.67	517	176	4.64E-03	22.4	
3	0	5775.00*	53	0	52.15	778.22	712	162	5.18E-03	21.0	

Flag: "*" = Peak area was modified by background subtraction

Configuration : MCA0:[AMSCOUNT]00001474\$1
 Analyses by : ROIPEAK V1.2,PEAKEFF V2.2,ENBACK V1.6,NID V3.3
 Sample title : SS-05(67"-93")
 Sample date : 26-APR-2006 00:00:00 Acquisition date : 8-MAY-2006 18:11:14
 Sample ID : 14 Sample quantity : 1.0024 gram
 Sample type : RA Sample geometry :
 Detector name : 046 Detector geometry:
 Elapsed live time: 0 02:50:00.00 Elapsed real time: 0 02:50:00.00 0.0%
 Energy tolerance : 100.00 keV Half life ratio : 8.00
 Errors propagated: Yes Systematic Error : 3.00 %
 Efficiency type : Average value Efficiencies at : Peak Energy
 Abundance limit : 75.00

Post-NID Peak Search Report

It	Energy	Area	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides	Activity pCi/gram
0	4681.32*	43	3.10	402.74	300	156	46.6		RA-226	0.554
0	5260.44*	47523.54	599.67	599.67	517	176	44.8		RN-222	0.607
0	5775.00*	53	52.15	778.22	712	162	42.0		PO-218	0.677

SECTION IX
ANALYTICAL DATA (RADIUM-228)

Work Order	06-05002
Analysis Code	Ra228
Run	1
Date Received	5/1/2006
Lab Deadline	5/15/2006
Client	ICON Environmental Services, Inc.
Project	Environmental
Report Level	4
Activity Units	pCi
Aliquot Units	g
Matrix	SL
Method	EPA 904.0 Modified
Instrument Type	Alpha/Beta GPC
Radiometric Tracer	Ba-133
Radiometric Sol#	Ba-6a
Tracer Act (dpm/g)	1599.443
Carrier	Yttrium
Carrier Conc (mg/ml)	28.37

Internal Fraction	Sample Desc	Client ID	Login CPM	Sample Date	Sample Aliquot
01	LCS	LCS		05/01/06 00:00	1.0000E+00
02	MBL	BLANK		05/01/06 00:00	1.0000E+00
03	DUP	SS-03 (54"-61")	44	04/25/06 17:30	1.0439E+00
04	DO	SS-03 (54"-61")	44	04/25/06 17:30	1.0093E+00
05	TRG	SS-03 (61"-80")	47	04/25/06 17:30	9.9740E-01
06	TRG	SS-03 (80"-85")	46	04/25/06 17:30	1.0348E+00
07	TRG	SS-07 (46"-62")	51	04/26/06 17:45	9.9700E-01
08	TRG	SS-07 (62"-75")	46	04/26/06 17:45	1.0098E+00
09	TRG	SS-07 (75"-78")	57	04/26/06 17:45	1.0016E+00
10	TRG	SS-11 (66"-97")	51	04/27/06 14:15	1.0047E+00
11	TRG	SS-11 (97"-107")	51	04/27/06 14:15	1.0015E+00
12	TRG	SS-11 (107"-110")	45	04/27/06 14:15	9.9030E-01
13	TRG	SS-12 (29"-73")	55	04/27/06 16:20	1.0039E+00
14	TRG	SS-05 (67"-93")	49	04/26/06 13:30	1.0024E+00

* SAF1 is used for Gross Alpha and all other radionuclides. SAF2 is used for Gross Beta only. ** Actual mass exceeded the calibration curve range. Results should be qualified as appropriate.

Internal Fraction	Sample Desc	Tracer Aliquot (g)	Tracer Total ACT (dpm)	Radiometric Tracer (pCi)	Radiometric % Rec	Grav Carrier Added (ml)	Grav Filter Tare (g)	Grav Filter Final (g)	Grav Filter Net (g)	Grav % Rec	Mean % Rec	SAF 1*	SAF 2*
01	LCS	0.6431	1028.6	468.3	101.07	2.000	0.0955	0.1500	0.0545	96.05	96.05	1.00	1.00
02	MBL	0.6371	1019.0	471.0	102.61	2.000	0.0960	0.1520	0.0560	98.70	98.70	1.00	1.00
03	DUP	0.6343	1014.5	404.4	88.49	2.000	0.0952	0.1530	0.0578	101.87	88.49	1.00	1.00
04	DO	0.6325	1011.6	416.8	91.46	2.000	0.0955	0.1522	0.0567	99.93	91.40	1.00	1.00
05	TRG	0.6308	1008.9	419.8	92.37	2.000	0.0953	0.1499	0.0546	96.23	88.89	1.00	1.00
06	TRG	0.6346	1015.0	461.6	100.96	2.000	0.0953	0.1536	0.0583	102.75	100.00	1.00	1.00
07	TRG	0.6328	1012.1	410.7	90.08	2.000	0.0945	0.1555	0.0610	107.51	90.08	1.00	1.00
08	TRG	0.6345	1014.8	431.8	94.46	2.000	0.0946	0.1486	0.0540	95.17	89.90	1.00	1.00
09	TRG	0.6439	1029.9	450.8	97.17	2.000	0.0942	0.1502	0.0560	98.70	95.91	1.00	1.00
10	TRG	0.6470	1034.8	234.5	50.31	2.000	0.0896	0.1519	0.0623	109.78	50.31	1.00	1.00
11	TRG	0.6453	1032.1	291.7	62.74	2.000	0.0957	0.1508	0.0551	97.11	60.93	1.00	1.00
12	TRG	0.6460	1033.2	352.9	75.82	2.000	0.0955	0.1516	0.0561	98.87	74.97	1.00	1.00
13	TRG	0.6462	1033.6	439.1	94.31	2.000	0.0949	0.1527	0.0578	101.87	94.31	1.00	1.00
14	TRG	0.6456	1032.6	405.8	87.24	2.000	0.0950	0.1496	0.0546	96.23	83.95	1.00	1.00

* SAF1 is used for Gross Alpha and all other radionuclides. SAF2 is used for Gross Beta only. ** Actual mass exceeded the calibration curve range. Results should be qualified as appropriate.

Internal Fraction	Sample Desc	Client ID	Sample Date	Sample Aliquot	Tracer Aliquot (g)	Tracer ACT (dpm)	Radiometric Tracer (pCi)	Radiometric % Rec	SAF 1*	SAF 2*
01	LCS	LCS	05/01/06 00:00	1.0000	0.6431	1028.6018	468.3000	101.07	1.00	1.00
02	MBL	BLANK	05/01/06 00:00	1.0000	0.6371	1019.0051	471.0000	102.61	1.00	1.00
03	DUP	SS-03 (54"-61")	04/25/06 17:30	1.0439	0.6343	1014.5267	404.4000	88.49	1.00	1.00
04	DO	SS-03 (54"-61")	04/25/06 17:30	1.0093	0.6325	1011.6477	416.8000	91.46	1.00	1.00
05	TRG	SS-03 (61"-80")	04/25/06 17:30	0.9974	0.6308	1008.9286	419.8000	92.37	1.00	1.00
06	TRG	SS-03 (80"-85")	04/25/06 17:30	1.0348	0.6346	1015.0065	461.6000	100.96	1.00	1.00
07	TRG	SS-07 (46"-62")	04/26/06 17:45	0.9970	0.6328	1012.1275	410.7000	90.08	1.00	1.00
08	TRG	SS-07 (62"-75")	04/26/06 17:45	1.0098	0.6345	1014.8466	431.8000	94.46	1.00	1.00
09	TRG	SS-07 (75"-78")	04/26/06 17:45	1.0016	0.6439	1029.8813	450.8000	97.17	1.00	1.00
10	TRG	SS-11 (66"-97")	04/27/06 14:15	1.0047	0.6470	1034.8396	234.5000	50.31	1.00	1.00
11	TRG	SS-11 (97"-107")	04/27/06 14:15	1.0015	0.6453	1032.1206	291.7000	62.74	1.00	1.00
12	TRG	SS-11 (107"-110")	04/27/06 14:15	0.9903	0.6460	1033.2402	352.9000	75.82	1.00	1.00
13	TRG	SS-12 (29"-73")	04/27/06 16:20	1.0039	0.6462	1033.5601	439.1000	94.31	1.00	1.00
14	TRG	SS-05 (67"-93")	04/26/06 13:30	1.0024	0.6456	1032.6004	405.8000	87.24	1.00	1.00

Aliquot Worksheet

Work Order		Run	Analysis Code	Rpt Units	Lab Deadline	Technician	
06-05002		1	Ra228	grams	5/15/2006	JBARNARD	

Lab Fraction	ICON Environmental Services, Inc.		Sample Type	Muffle Data		Dilution Data			Aliquot Data			MS Aliquot Data		H-3 Solids Only	
	Client ID	LCS		Ratio Post/Pre	No of Dils	Dil Factor	Ratio	Aliquot	Net Equiv	Aliquot	Net Equiv	Water Added (ml)	H3 Dist Aliq		
01	LCS		LCS						1.0000E+00	1.0000E+00	1.0000E+00				
02	BLANK		MBL						1.0000E+00	1.0000E+00	1.0000E+00				
03	SS-03 (54"-61")		DUP						1.00E+00	1.0439E+00	1.0439E+00				
04	SS-03 (54"-61")		DO						1.00E+00	1.0093E+00	1.0093E+00				
05	SS-03 (61"-80")		TRG						1.00E+00	9.9740E-01	9.9740E-01				
06	SS-03 (80"-85")		TRG						1.00E+00	1.0348E+00	1.0348E+00				
07	SS-07 (46"-62")		TRG						1.00E+00	9.9700E-01	9.9700E-01				
08	SS-07 (62"-75")		TRG						1.00E+00	1.0098E+00	1.0098E+00				
09	SS-07 (75"-78")		TRG						1.00E+00	1.0016E+00	1.0016E+00				
10	SS-11 (66"-97")		TRG						1.00E+00	1.0047E+00	1.0047E+00				
11	SS-11 (97"-107")		TRG						1.00E+00	1.0015E+00	1.0015E+00				
12	SS-11 (107"-110")		TRG						1.00E+00	9.9030E-01	9.9030E-01				
13	SS-12 (29"-73")		TRG						1.00E+00	1.0039E+00	1.0039E+00				
14	SS-05 (67"-93")		TRG						1.00E+00	1.0024E+00	1.0024E+00				

Comments

Technician: *JBarnard* Date: 5/8/06

Gravimetric Worksheet

Work Order	Run	Analysis Code	Gravimetric Carrier	Carrier Conc (mg/ml)	Technician
06-05002	1	Ra228	Yttrium	28.3700	DJOHNSON

TRetek Fraction	ICON Environmental Services, Inc.		Sample Type	Carrier Data		Filter Data			Gravimetric % Recovery
	Client ID	Carrier Added (ml)		Filter Tare (g)	Filter Final (g)	Filter Net (g)			
01	LCS	2.0000	LCS	2.0000	0.0955	0.1500	0.0545	96.05	
02	BLANK	2.0000	MBL	2.0000	0.0960	0.1520	0.0560	98.70	
03	DUP	2.0000	DUP	2.0000	0.0952	0.1530	0.0578	101.87	
04	SS-03 (54"-61")	2.0000	DO	2.0000	0.0955	0.1522	0.0567	99.93	
05	SS-03 (61"-80")	2.0000	TRG	2.0000	0.0953	0.1499	0.0546	96.23	
06	SS-03 (80"-85")	2.0000	TRG	2.0000	0.0953	0.1536	0.0583	102.75	
07	SS-07 (46"-62")	2.0000	TRG	2.0000	0.0945	0.1555	0.0610	107.51	
08	SS-07 (62"-75")	2.0000	TRG	2.0000	0.0946	0.1486	0.0540	95.17	
09	SS-07 (75"-78")	2.0000	TRG	2.0000	0.0942	0.1502	0.0560	98.70	
10	SS-11 (66"-97")	2.0000	TRG	2.0000	0.0896	0.1519	0.0623	109.78	
11	SS-11 (97"-107")	2.0000	TRG	2.0000	0.0957	0.1508	0.0551	97.11	
12	SS-11 (107"-110")	2.0000	TRG	2.0000	0.0955	0.1516	0.0561	98.87	
13	SS-12 (29"-73")	2.0000	TRG	2.0000	0.0949	0.1527	0.0578	101.87	
14	SS-05 (67"-93")	2.0000	TRG	2.0000	0.0950	0.1496	0.0546	96.23	

Technician: DA Date: 5/17/06

**Rough Sample Preparation
 Log Book**

Work Order		Lab Deadline	Date Received in Prep	Date Sealed	Date Returned	Technician
06-05002		5/15/2006	5/1/2006	5/2/2006	5/3/2006	KSALLINGS

Eberline Fraction	ICON Environmental Services, Inc. Client ID	Tare (g)		Gross (g)		Net (g)		Percent		Gamma		Special Info
		Pan Wt	Dry Wt.	Wet Wt.	Dry Wt.	Wet Wt.	Dry Wt.	Liquid	Solid	Dry Wt.	LEPS Wt.	
04	SS-03 (54"-61")	14.0300	136.5400	337.5600	122.5100	323.5300	122.5100	62.13%	37.87%			
05	SS-03 (61"-80")	14.0800	141.6100	336.6100	127.5300	322.5300	127.5300	60.46%	39.54%			
06	SS-03 (80"-85")	14.0800	109.3100	301.2600	95.2300	287.1800	95.2300	66.84%	33.16%			
07	SS-07 (46"-62")	14.0400	88.6500	300.4300	74.6100	286.3900	74.6100	73.95%	26.05%			
08	SS-07 (62"-75")	14.0800	140.0300	337.5400	125.9500	323.4600	125.9500	61.06%	38.94%			
09	SS-07 (75"-78")	14.1200	103.2300	293.7500	89.1100	279.6300	89.1100	68.13%	31.87%			
10	SS-11 (66"-97")	14.0500	297.8000	425.8400	283.7500	411.7900	283.7500	31.09%	68.91%			
11	SS-11 (97"-107")	14.0800	193.8900	361.8100	179.8100	347.7300	179.8100	48.29%	51.71%			
12	SS-11 (107"-110")	14.0500	180.5300	324.7800	166.4800	310.7300	166.4800	46.42%	53.58%			
13	SS-12 (29"-73")	14.0100	127.2000	328.2500	113.1900	314.2400	113.1900	63.98%	36.02%			
14	SS-05 (67"-93")	14.0800	194.0900	352.9300	180.0100	338.8500	180.0100	46.88%	53.12%			

Comments
Special Codes
H: Hot, O: Organic Hazard, P: PCB Hazard, R: Rush, T: Other (see comments)

ML 5/17/06

Sheet1

A

Detector ID	Sample ID	Alpha	Beta	Count	Time	Voltage	TOD
A1	0605002-01	29	1535	120		1400	5/17/06 11:27
A2	0605002-02	10	152	120		1400	5/17/06 11:27
A3	0605002-03	18	280	120		1400	5/17/06 11:27
A4	0605002-04	18	278	120		1400	5/17/06 11:27
B1	0605002-05	11	326	120		1400	5/17/06 11:27
C1	0605002-08	9	275	120		1400	5/17/06 11:27
B3	0605002-06	27	326	120		1400	5/17/06 11:27
C2	0605002-09	12	494	120		1400	5/17/06 11:27
C3	0605002-10	12	199	120		1400	5/17/06 11:27
B4	0605002-07	8	261	120		1400	5/17/06 11:27
C4	0605002-11	10	247	120		1400	5/17/06 11:27
D1	0605002-12	14	233	120		1400	5/17/06 11:27
D2	0605002-13	12	203	120		1400	5/17/06 11:27
D3	0605002-14	14	220	120		1400	5/17/06 11:27

JS
5-17-06
A

Detector ID	Sample ID	Alpha	Beta	Guard	Count Count	Time	Event	Voltage	TOD
A1	BKGD	7	58	32279	60	60	0	1380	38854.07
A2	BKGD	3	61	32275	60	60	0	1380	38854.07
A3	BKGD	3	50	32277	60	60	0	1380	38854.07
A4	BKGD	10	69	32276	60	60	0	1380	38854.07
B1	BKGD	7	102	33496	60	60	0	1380	38854.07
B2	BKGD	30	86	33496	60	60	0	1380	38854.07
B3	BKGD	2	87	33498	60	60	0	1380	38854.07
B4	BKGD	3	94	33494	60	60	0	1380	38854.07
C1	BKGD	4	91	34431	60	60	0	1380	38854.07
C2	BKGD	2	94	34431	60	60	0	1380	38854.07
C3	BKGD	3	81	34430	60	60	0	1380	38854.07
C4	BKGD	5	89	34426	60	60	0	1380	38854.07
D1	BKGD	3	81	35293	60	60	0	1380	38854.07
D2	BKGD	5	83	35293	60	60	0	1380	38854.07
D3	BKGD	7	74	35294	60	60	0	1380	38854.07
D4	BKGD	5	77	35293	60	60	0	1380	38854.07

B2 OUT OF SERVICE JS 5-17-06

SECTION X
BARIUM-133 ANALYTICAL TRACER DATA

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_060500201_GE1_BAFIL_97680.CNF
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : SPIKE
 Deposition Date :
 Sample Date : 8-MAY-2006 00:00:00. Acquisition date : 8-MAY-2006 15:37:03.
 Sample ID : 0605002-01 Sample Quantity : 1.00000E+00 filter
 Sample type : FILTER Sample Geometry : 0
 Detector name : GE1 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.07 0.0%
 Start channel : 25 End channel : 4096
 Sensitivity : 3.00000 Gaussian : 10.00000
 Critical level : No

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	1	62.08	103	25	1.68	61.88	58	11	3.45E-01	12.6	7.95E+00
2	1	66.04	55	32	1.69	65.85	58	11	1.84E-01	20.1	
3	0	81.29	317	42	1.60	81.11	76	10	1.06E+00	6.8	
4	0	92.86	21	30	2.47	92.68	88	7	7.10E-02	47.7	
5	2	112.16	84	30	1.75	112.00	107	14	2.79E-01	14.4	1.69E+00
6	2	116.21	24	27	1.94	116.05	107	14	8.11E-02	44.2	
7	2	157.49	9	4	1.99	157.35	156	9	3.16E-02	32.9	2.29E+00
8	2	160.49	16	10	1.99	160.35	156	9	5.33E-02	45.0	
9	0	201.98	28	34	8.21	201.87	194	14	9.17E-02	51.0	
10	0	258.68	15	10	3.45	258.59	253	10	5.01E-02	47.0	
11	0	276.56	25	8	2.17	276.48	272	8	8.33E-02	28.0	
12	1	302.95	56	7	1.94	302.89	298	13	1.85E-01	15.6	1.09E+00
13	1	307.21	17	4	1.94	307.15	298	13	5.81E-02	41.4	
14	0	334.10	30	9	1.44	334.05	331	6	9.97E-02	24.2	
15	0	338.60	16	6	1.27	338.56	337	5	5.20E-02	35.9	
16	0	356.33	223	10	1.69	356.30	351	10	7.44E-01	7.2	
17	1	383.83	37	8	2.00	383.82	380	17	1.25E-01	24.3	1.34E+00
18	1	387.12	95	7	2.00	387.11	380	17	3.18E-01	12.8	
19	3	414.61	15	1	2.45	414.61	411	14	5.05E-02	31.0	1.26E+00
20	3	418.60	10	2	2.45	418.61	411	14	3.24E-02	54.5	
21	0	437.21	54	0	2.11	437.22	433	8	1.80E-01	13.6	

Summary of Nuclide Activity

Sample ID : 0605002-01

Acquisition date : 8-MAY-2006 15:37:03

Total number of lines in spectrum 21
 Number of unidentified lines 17
 Number of lines tentatively identified by NID 4 19.05%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
BA-133	10.50Y	1.00	4.683E+02	4.683E+02	0.667E+02	14.24	
Total Activity :			4.683E+02	4.683E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
TH-234	4.47E+09Y	1.00	4.179E+02	4.179E+02	1.071E+02	25.62	
Total Activity :			4.179E+02	4.179E+02			

Grand Total Activity : 8.862E+02 8.863E+02

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	4.404E+02	4.405E+02	21.70	OK
	302.84	17.80	4.915E+00	5.727E+02	5.728E+02	42.72	OK
	356.01	60.00	6.963E+00	4.815E+02	4.815E+02	20.90	OK

Final Mean for 3 Valid Peaks = 4.683E+02 +/- 6.669E+01 (14.24%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	4.179E+02	4.179E+02	25.62	OK

Final Mean for 1 Valid Peaks = 4.179E+02 +/- 1.071E+02 (25.62%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	4.683E+02	6.669E+01	2.992E+01	4.912E+00	15.651
TH-234	4.179E+02	1.071E+02	1.231E+02	3.945E+00	3.395

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	1.560E+01		2.451E+01	4.476E+01	1.397E+01	0.349
CD-109	4.627E+01		2.564E+02	3.887E+02	5.028E+01	0.119
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	8.755E+00		7.040E+01	1.055E+02	1.284E+01	0.083
AM-241	8.136E+00		7.155E+00	1.279E+01	3.000E-01	0.636

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_060500202_GE1_BAFIL_97681.CNF
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : BLANK
 Deposition Date :
 Sample Date : 8-MAY-2006 00:00:00. Acquisition date : 8-MAY-2006 15:46:37.
 Sample ID : 0605002-02 Sample Quantity : 1.00000E+00 filter
 Sample type : FILTER Sample Geometry : 0
 Detector name : GE1 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.07 0.0%
 Start channel : 25 End channel : 4096
 Sensitivity : 3.00000 Gaussian : 10.00000
 Critical level : No

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	3	62.01	107	31	2.04	61.81	58	12	3.56E-01	13.1	3.05E+00
2	3	66.20	37	39	2.04	66.01	58	12	1.23E-01	32.8	
3	0	81.23	315	35	1.44	81.04	76	10	1.05E+00	6.6	
4	1	107.33	13	2	1.75	107.16	106	15	4.23E-02	32.0	4.10E+00
5	1	112.01	90	8	1.76	111.84	106	15	3.00E-01	12.3	
6	1	116.01	32	14	1.76	115.84	106	15	1.06E-01	26.5	
7	0	143.97	25	30	1.59	143.82	139	10	8.32E-02	45.7	
8	0	276.64	24	12	1.98	276.57	272	11	8.09E-02	33.5	
9	4	303.12	60	12	1.88	303.05	298	20	1.99E-01	15.3	8.30E-01
10	4	307.63	23	5	2.59	307.57	298	20	7.82E-02	36.2	
11	4	313.43	7	1	2.59	313.37	298	20	2.34E-02	88.9	
12	0	334.13	28	10	1.72	334.08	331	7	9.47E-02	25.7	
13	0	356.28	226	5	1.81	356.25	353	9	7.52E-01	6.9	
14	0	366.11	17	5	1.05	366.09	362	10	5.67E-02	34.6	
15	3	384.44	48	9	2.42	384.42	381	14	1.60E-01	23.8	6.93E+00
16	3	387.45	88	6	1.96	387.43	381	14	2.93E-01	14.0	
17	3	391.61	16	4	2.27	391.60	381	14	5.37E-02	48.2	
18	1	415.10	12	5	2.02	415.10	409	14	4.09E-02	43.7	4.77E-01
19	1	419.12	11	4	2.02	419.13	409	14	3.52E-02	48.1	
20	0	437.32	56	0	1.78	437.34	434	8	1.87E-01	13.4	
21	0	468.54	10	6	1.26	468.57	466	7	3.48E-02	48.1	

Total number of lines in spectrum 21
 Number of unidentified lines 17
 Number of lines tentatively identified by NID 4 19.05%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr	2-Sigma Error	2-Sigma	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter				
BA-133	10.50Y	1.00	4.709E+02	4.710E+02	0.662E+02	14.05		
Total Activity :			4.709E+02	4.710E+02				

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr	2-Sigma Error	2-Sigma	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter				
TH-234	4.47E+09Y	1.00	4.317E+02	4.317E+02	1.155E+02	26.75		
Total Activity :			4.317E+02	4.317E+02				

Grand Total Activity : 9.026E+02 9.026E+02

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	4.384E+02	4.385E+02	21.49	OK
	302.84	17.80	4.915E+00	6.135E+02	6.136E+02	42.38	OK
	356.01	60.00	6.963E+00	4.863E+02	4.863E+02	20.46	OK

Final Mean for 3 Valid Peaks = 4.710E+02+/- 6.616E+01 (14.05%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	4.317E+02	4.317E+02	26.75	OK

Final Mean for 1 Valid Peaks = 4.317E+02+/- 1.155E+02 (26.75%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	4.710E+02	6.616E+01	3.084E+01	5.063E+00	15.270
TH-234	4.317E+02	1.155E+02	1.318E+02	4.224E+00	3.275

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	6.759E+00		2.624E+01	4.481E+01	1.399E+01	0.151
CD-109	-7.999E+01		2.690E+02	4.120E+02	5.329E+01	-0.194
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	-2.998E+01		6.325E+01	9.357E+01	1.139E+01	-0.320
AM-241	9.201E+00		6.821E+00	1.254E+01	2.943E-01	0.734

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Configuration      : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_060500203_GE1_BAFIL_97683.CNF
Analyses by       : PEAK V16.9  PEAKEFF V2.2
Client ID        : SS-03(54"-61")
Deposition Date   :
Sample Date      : 8-MAY-2006 00:00:00. Acquisition date : 8-MAY-2006 15:54:56.
Sample ID       : 0605002-03           Sample Quantity  : 1.00000E+00 filter
Sample type     : FILTER              Sample Geometry   : 0
Detector name   : GE1                Detector Geometry: BAFIL
Elapsed live time: 0 00:05:00.00      Elapsed real time: 0 00:05:00.06  0.0%
Start channel   : 25                 End channel      : 4096
Sensitivity     : 3.00000            Gaussian        : 10.00000
Critical level  : No
    
```

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	4	61.93	78	31	2.23	61.74	58	17	2.58E-01	17.2	1.25E+00
2	4	66.02	25	35	2.25	65.83	58	17	8.30E-02	53.6	
3	0	81.20	293	53	1.47	81.01	77	9	9.77E-01	7.3	
4	0	92.69	27	19	2.13	92.51	89	8	8.93E-02	34.6	
5	6	111.99	81	28	2.47	111.82	108	13	2.70E-01	15.2	1.88E+00
6	6	116.99	23	16	2.84	116.83	108	13	7.61E-02	41.7	
7	0	186.76	18	17	2.15	186.63	184	7	5.83E-02	45.9	
8	0	277.25	25	26	2.19	277.18	273	9	8.30E-02	42.4	
9	0	303.37	56	27	1.72	303.31	299	9	1.85E-01	21.6	
10	0	334.11	28	7	2.00	334.07	330	7	9.33E-02	24.5	
11	1	338.22	19	2	1.97	338.18	337	10	6.39E-02	19.3	1.56E+00
12	1	342.22	6	4	1.97	342.18	337	10	2.13E-02	74.8	
13	0	356.29	180	14	1.51	356.26	352	9	5.98E-01	8.3	
14	1	384.11	47	2	1.81	384.09	382	10	1.56E-01	13.6	3.69E+00
15	1	386.94	62	28	2.00	386.92	382	10	2.06E-01	20.2	
16	0	392.25	14	5	1.13	392.24	391	5	4.50E-02	41.9	
17	0	417.68	40	9	5.83	417.69	410	18	1.33E-01	23.7	
18	0	437.32	53	6	1.70	437.34	433	8	1.77E-01	15.9	
19	0	468.57	12	2	1.41	468.60	466	7	3.94E-02	34.9	

Total number of lines in spectrum 19
Number of unidentified lines 15
Number of lines tentatively identified by NID 4 21.05%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
BA-133	10.50Y	1.00	4.044E+02	4.044E+02	0.617E+02	15.25	
Total Activity :			4.044E+02	4.044E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
TH-234	4.47E+09Y	1.00	3.134E+02	3.134E+02	1.088E+02	34.72	
Total Activity :			3.134E+02	3.134E+02			

Grand Total Activity : 7.178E+02 7.178E+02

Flags: "K" = Keyline not found
"E" = Manually edited

"M" = Manually accepted
"A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	4.076E+02	4.077E+02	22.38	OK
	302.84	17.80	4.915E+00	5.721E+02	5.721E+02	52.14	OK
	356.01	60.00	6.963E+00	3.871E+02	3.871E+02	22.52	OK

Final Mean for 3 Valid Peaks = 4.044E+02 +/- 6.166E+01 (15.25%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	3.134E+02	3.134E+02	34.72	OK

Final Mean for 1 Valid Peaks = 3.134E+02 +/- 1.088E+02 (34.72%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	4.044E+02	6.166E+01	3.802E+01	6.241E+00	10.638
TH-234	3.134E+02	1.088E+02	1.033E+02	3.309E+00	3.035

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	-2.877E+00		2.476E+01	3.962E+01	1.237E+01	-0.073
CD-109	-1.754E+01		2.815E+02	3.968E+02	5.133E+01	-0.044
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	6.289E+00		7.924E+01	1.155E+02	1.406E+01	0.054
AM-241	9.957E+00		5.949E+00	1.162E+01	2.726E-01	0.857

MR 5-8-06

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_060500204_GE1_BAFIL_97685.CNF
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : SS-03(54"-61")
 Deposition Date :
 Sample Date : 8-MAY-2006 00:00:00. Acquisition date : 8-MAY-2006 16:06:00.
 Sample ID : 0605002-04 Sample Quantity : 1.00000E+00 filter
 Sample type : FILTER Sample Geometry : 0
 Detector name : GE1 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.07 0.0%
 Start channel : 25 End channel : 4096
 Sensitivity : 3.00000 Gaussian : 10.00000
 Critical level : No

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	1	62.09	87	32	1.68	61.89	58	11	2.89E-01	14.7	2.73E+00
2	1	66.18	32	30	1.69	65.99	58	11	1.07E-01	32.6	
3	0	81.28	299	45	1.48	81.10	76	10	9.97E-01	7.1	
4	0	93.79	19	31	2.01	93.61	90	7	6.21E-02	54.2	
5	0	112.36	60	50	1.38	112.19	108	7	1.99E-01	22.3	
6	1	158.31	8	3	1.81	158.16	157	11	2.71E-02	23.8	2.32E+00
7	1	161.31	19	15	1.81	161.16	157	11	6.42E-02	38.0	
8	0	276.86	32	13	1.93	276.79	273	10	1.07E-01	27.3	
9	3	303.10	47	5	2.01	303.04	299	14	1.57E-01	16.6	8.48E-01
10	3	307.47	13	4	2.35	307.41	299	14	4.49E-02	50.5	
11	0	324.77	6	7	3.03	324.72	321	8	2.06E-02	80.7	
12	1	331.05	8	5	1.78	331.00	328	14	2.52E-02	59.5	2.49E+00
13	1	338.92	10	6	1.97	338.88	328	14	3.21E-02	51.9	
14	0	356.31	188	3	1.87	356.28	351	9	6.28E-01	7.4	
15	3	383.99	48	5	2.42	383.97	381	9	1.60E-01	16.5	2.56E+00
16	3	387.16	62	12	1.61	387.14	381	9	2.08E-01	16.0	
17	0	391.72	28	5	1.86	391.71	390	6	9.45E-02	24.0	
18	0	417.24	22	9	4.68	417.24	412	9	7.42E-02	32.1	
19	0	437.53	39	6	1.82	437.55	433	8	1.30E-01	19.4	

Summary of Nuclide Activity

Sample ID : 0605002-04

Acquisition date : 8-MAY-2006 16:06:00

Total number of lines in spectrum 19
 Number of unidentified lines 15
 Number of lines tentatively identified by NID 4 21.05%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
BA-133	10.50Y	1.00	4.167E+02	4.168E+02	0.604E+02	14.50	
Total Activity :			4.167E+02	4.168E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
TH-234	4.47E+09Y	1.00	3.510E+02	3.510E+02	1.045E+02	29.77	
Total Activity :			3.510E+02	3.510E+02			

Grand Total Activity : 7.677E+02 7.678E+02

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	4.160E+02	4.160E+02	22.13	OK
	302.84	17.80	4.915E+00	4.865E+02	4.866E+02	44.29	OK
	356.01	60.00	6.963E+00	4.062E+02	4.063E+02	21.23	OK

Final Mean for 3 Valid Peaks = 4.168E+02 +/- 6.041E+01 (14.50%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	3.510E+02	3.510E+02	29.77	OK

Final Mean for 1 Valid Peaks = 3.510E+02 +/- 1.045E+02 (29.77%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	4.168E+02	6.041E+01	3.259E+01	5.350E+00	12.788
TH-234	3.510E+02	1.045E+02	1.318E+02	4.224E+00	2.663

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	-4.470E+00		2.504E+01	4.286E+01	1.338E+01	-0.104
CD-109	-2.351E+01		2.645E+02	3.723E+02	4.816E+01	-0.063
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	1.270E+01		7.560E+01	1.132E+02	1.378E+01	0.112
AM-241	1.382E+01		6.592E+00	1.304E+01	3.059E-01	1.060

ML 5.8.01

```

Configuration      : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_060500205_GE1_BAFIL_97686.CNF
Analyses by       : PEAK V16.9  PEAKEFF V2.2
Client ID        : SS-03(61"-80")
Deposition Date   :
Sample Date      : 8-MAY-2006 00:00:00. Acquisition date : 8-MAY-2006 16:12:09.
Sample ID       : 0605002-05           Sample Quantity : 1.00000E+00 filter
Sample type     : FILTER                Sample Geometry  : 0
Detector name   : GE1                  Detector Geometry: BAFIL
Elapsed live time: 0 00:05:00.00       Elapsed real time: 0 00:05:00.07  0.0%
Start channel   : 25                    End channel     : 4096
Sensitivity     : 3.00000                Gaussian        : 10.00000
Critical level  : No
    
```

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	61.70	84	56	1.73	61.51	58	7	2.82E-01	18.3	
2	0	66.37	31	41	1.15	66.17	65	5	1.02E-01	37.2	
3	0	81.28	284	36	1.49	81.09	78	8	9.47E-01	6.9	
4	0	112.24	48	54	1.57	112.07	108	8	1.61E-01	29.7	
5	0	159.89	27	10	4.26	159.75	156	8	8.95E-02	28.1	
6	0	276.94	17	20	1.62	276.86	274	8	5.78E-02	51.9	
7	3	303.16	65	5	1.95	303.10	297	15	2.16E-01	14.2	1.03E+00
8	3	307.35	12	10	2.35	307.29	297	15	4.00E-02	59.7	
9	1	333.86	34	11	1.96	333.82	329	16	1.14E-01	21.2	4.53E+00
10	1	338.06	20	10	1.97	338.01	329	16	6.52E-02	31.8	
11	0	356.22	195	6	1.74	356.19	351	9	6.49E-01	7.6	
12	1	383.83	51	2	2.00	383.82	380	14	1.69E-01	15.5	5.12E+00
13	1	387.20	97	1	2.00	387.18	380	14	3.24E-01	11.5	
14	0	437.11	36	2	1.35	437.13	433	8	1.20E-01	18.0	
15	0	468.21	7	6	3.20	468.24	465	7	2.26E-02	69.6	
16	0	511.28	12	0	1.16	511.33	508	6	4.00E-02	28.9	

Total number of lines in spectrum 16
 Number of unidentified lines 12
 Number of lines tentatively identified by NID 4 25.00%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
BA-133	10.50Y	1.00	4.197E+02	4.198E+02	0.607E+02	14.46	
Total Activity :			4.197E+02	4.198E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
TH-234	4.47E+09Y	1.00	3.414E+02	3.414E+02	1.259E+02	36.89	
Total Activity :			3.414E+02	3.414E+02			

Grand Total Activity : 7.611E+02 7.612E+02

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	3.950E+02	3.951E+02	21.86	OK
	302.84	17.80	4.915E+00	6.670E+02	6.671E+02	40.81	OK
	356.01	60.00	6.963E+00	4.196E+02	4.196E+02	21.40	OK

Final Mean for 3 Valid Peaks = 4.198E+02 +/- 6.068E+01 (14.46%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	3.414E+02	3.414E+02	36.89	OK

Final Mean for 1 Valid Peaks = 3.414E+02 +/- 1.259E+02 (36.89%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	4.198E+02	6.068E+01	3.580E+01	5.877E+00	11.724
TH-234	3.414E+02	1.259E+02	1.476E+02	4.729E+00	2.313

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	-7.946E+00		2.605E+01	4.338E+01	1.354E+01	-0.183
CD-109	-1.810E+02		3.056E+02	4.395E+02	5.685E+01	-0.412
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	-6.346E+01		8.321E+01	1.153E+02	1.404E+01	-0.550
AM-241	1.425E+01		6.161E+00	1.262E+01	2.961E-01	1.129

Mr 5-8-06

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_060500206_GE1_BAFIL_97687.CNF
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : SS-03(80"-85")
 Deposition Date :
 Sample Date : 8-MAY-2006 00:00:00. Acquisition date : 8-MAY-2006 16:24:05.
 Sample ID : 0605002-06 Sample Quantity : 1.00000E+00 filter
 Sample type : FILTER Sample Geometry : 0
 Detector name : GE1 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.06 0.0%
 Start channel : 25 End channel : 4096
 Sensitivity : 3.00000 Gaussian : 10.00000
 Critical level : No

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	2	62.01	74	30	1.85	61.82	58	13	2.46E-01	16.5	6.55E-01
2	2	66.30	52	26	1.86	66.10	58	13	1.73E-01	22.2	
3	0	81.17	305	35	1.44	80.98	76	10	1.02E+00	6.8	
4	0	111.51	57	80	1.49	111.34	106	10	1.91E-01	32.3	
5	0	276.13	34	19	2.13	276.06	270	11	1.14E-01	30.0	
6	0	303.52	83	7	1.91	303.46	299	10	2.76E-01	12.6	
7	0	311.77	7	0	2.14	311.71	310	5	2.33E-02	37.8	
8	0	334.06	22	3	1.83	334.01	331	6	7.31E-02	24.8	
9	0	356.25	218	9	1.74	356.21	352	9	7.26E-01	7.2	
10	3	384.17	51	13	2.42	384.16	381	9	1.69E-01	23.2	2.52E+00
11	3	387.34	69	12	1.43	387.33	381	9	2.29E-01	14.9	
12	0	392.03	17	4	1.15	392.02	391	5	5.57E-02	36.2	
13	8	414.71	12	2	2.90	414.71	412	13	3.88E-02	33.9	1.53E+00
14	8	418.53	9	1	2.45	418.53	412	13	3.05E-02	58.9	
15	0	437.22	41	2	2.06	437.24	434	7	1.38E-01	16.4	
16	0	468.30	12	0	1.93	468.33	466	5	4.00E-02	28.9	

Total number of lines in spectrum 16
 Number of unidentified lines 12
 Number of lines tentatively identified by NID 4 25.00%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
BA-133	10.50Y	1.00	4.615E+02	4.616E+02	0.658E+02	14.25	
Total Activity :			4.615E+02	4.616E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
TH-234	4.47E+09Y	1.00	2.980E+02	2.980E+02	0.998E+02	33.48	
Total Activity :			2.980E+02	2.980E+02			

Grand Total Activity : 7.596E+02 7.596E+02

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	4.241E+02	4.241E+02	21.67	OK
	302.84	17.80	4.915E+00	8.527E+02	8.528E+02	38.59	OK
	356.01	60.00	6.963E+00	4.695E+02	4.696E+02	20.94	OK

Final Mean for 3 Valid Peaks = 4.616E+02 +/- 6.578E+01 (14.25%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	2.980E+02	2.980E+02	33.48	OK

Final Mean for 1 Valid Peaks = 2.980E+02 +/- 9.978E+01 (33.48%)

Flag: "*" = Keyline



---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	4.616E+02	6.578E+01	3.802E+01	6.241E+00	12.142
TH-234	2.980E+02	9.978E+01	9.400E+01	3.012E+00	3.170

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	-6.490E+00		2.887E+01	4.848E+01	1.513E+01	-0.134
CD-109	-4.735E+01		3.045E+02	4.752E+02	6.147E+01	-0.100
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	2.484E+01		7.790E+01	1.322E+02	1.609E+01	0.188
AM-241	9.200E+00		6.119E+00	1.168E+01	2.740E-01	0.788

```

Configuration      : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_060500207_GE1_BAFIL_97688.CNF
Analyses by       : PEAK V16.9  PEAKEFF V2.2
Client ID        : SS-07(46"-62")
Deposition Date  :
Sample Date      : 8-MAY-2006 00:00:00. Acquisition date : 8-MAY-2006 16:39:22.
Sample ID       : 0605002-07      Sample Quantity  : 1.00000E+00 filter
Sample type     : FILTER          Sample Geometry : 0
Detector name   : GE1            Detector Geometry: BAFIL
Elapsed live time: 0 00:05:00.00  Elapsed real time: 0 00:05:00.06  0.0%
Start channel   : 25             End channel     : 4096
Sensitivity     : 3.00000        Gaussian        : 10.00000
Critical level  : No
    
```

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	4	61.71	83	29	2.14	61.52	57	16	2.76E-01	15.3	8.50E-01
2	4	65.90	32	34	1.97	65.71	57	16	1.05E-01	34.9	
3	0	81.32	263	42	1.55	81.13	77	7	8.77E-01	7.4	
4	0	93.38	15	21	3.39	93.20	90	7	5.00E-02	56.9	
5	0	101.27	21	17	3.69	101.09	97	8	6.96E-02	41.2	
6	1	112.01	100	17	1.76	111.84	106	19	3.34E-01	12.1	1.08E+00
7	1	116.33	13	25	1.76	116.16	106	19	4.42E-02	58.4	
8	0	277.14	29	10	2.09	277.07	273	7	9.58E-02	26.4	
9	1	303.13	44	5	1.92	303.07	300	11	1.48E-01	16.8	1.76E+00
10	1	307.24	10	3	1.94	307.18	300	11	3.38E-02	57.3	
11	0	318.49	9	8	1.49	318.44	313	8	3.04E-02	63.0	
12	1	334.01	24	9	1.96	333.97	329	13	7.87E-02	29.6	9.42E-01
13	1	338.02	11	13	1.97	337.98	329	13	3.55E-02	59.2	
14	0	356.34	214	8	1.61	356.30	351	10	7.15E-01	7.2	
15	1	381.02	6	0	1.82	381.00	380	15	1.92E-02	0.0	6.92E+00
16	1	384.20	52	0	2.00	384.18	380	15	1.72E-01	16.5	
17	1	386.91	71	0	2.00	386.89	380	15	2.36E-01	15.1	
18	1	391.83	19	0	2.01	391.82	380	15	6.38E-02	22.2	
19	0	416.39	10	9	2.78	416.39	411	9	3.29E-02	63.5	
20	0	437.13	34	5	2.03	437.15	432	9	1.12E-01	20.7	
21	0	468.43	12	6	1.86	468.47	464	8	3.99E-02	45.7	
22	0	511.38	9	2	2.94	511.44	508	8	2.91E-02	44.4	

Total number of lines in spectrum 22
 Number of unidentified lines 18
 Number of lines tentatively identified by NID 4 18.18%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
BA-133	10.50Y	1.00	4.107E+02	4.107E+02	0.599E+02	14.59	
Total Activity :			4.107E+02	4.107E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
TH-234	4.47E+09Y	1.00	3.350E+02	3.350E+02	1.041E+02	31.07	
Total Activity :			3.350E+02	3.350E+02			

Grand Total Activity : 7.457E+02 7.457E+02

Flags: "K" = Keyline not found "M" = Manually accepted
 "E" = Manually edited "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	3.658E+02	3.659E+02	22.46	OK
	302.84	17.80	4.915E+00	4.581E+02	4.581E+02	44.52	OK
	356.01	60.00	6.963E+00	4.623E+02	4.624E+02	20.96	OK

Final Mean for 3 Valid Peaks = 4.107E+02 +/- 5.991E+01 (14.59%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	3.350E+02	3.350E+02	31.07	OK

Final Mean for 1 Valid Peaks = 3.350E+02 +/- 1.041E+02 (31.07%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	4.107E+02	5.991E+01	3.942E+01	6.470E+00	10.420
TH-234	3.350E+02	1.041E+02	1.096E+02	3.513E+00	3.056

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	5.912E+00		2.822E+01	4.731E+01	1.477E+01	0.125
CD-109	1.551E+01		3.007E+02	4.326E+02	5.597E+01	0.036
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	6.092E+01		8.169E+01	1.350E+02	1.644E+01	0.451
AM-241	1.102E+01		6.099E+00	1.238E+01	2.904E-01	0.890

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_060500208_GE1_BAFIL_97689.CNF
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : SS-07(62"-75")
 Deposition Date :
 Sample Date : 8-MAY-2006 00:00:00. Acquisition date : 8-MAY-2006 16:47:11.
 Sample ID : 0605002-08 Sample Quantity : 1.00000E+00 filter
 Sample type : FILTER Sample Geometry : 0
 Detector name : GE1 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.06 0.0%
 Start channel : 25 End channel : 4096
 Sensitivity : 3.00000 Gaussian : 10.00000
 Critical level : No

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	2	61.92	86	23	1.85	61.72	58	13	2.86E-01	14.5	5.94E-01
2	2	66.32	51	29	1.86	66.13	58	13	1.70E-01	22.7	
3	0	81.44	287	63	1.81	81.26	76	11	9.58E-01	8.0	
4	0	93.29	18	21	1.73	93.11	90	7	6.00E-02	48.4	
5	0	112.24	74	28	1.41	112.07	108	7	2.47E-01	16.6	
6	0	210.90	13	22	2.17	210.79	207	9	4.45E-02	67.2	
7	0	278.16	22	17	2.61	278.08	273	13	7.37E-02	43.3	
8	1	298.89	7	4	1.94	298.82	298	9	2.37E-02	48.3	4.23E+00
9	1	303.11	59	13	1.78	303.05	298	9	1.98E-01	15.8	
10	0	334.21	24	8	1.42	334.17	330	7	7.87E-02	29.1	
11	0	356.40	205	11	1.94	356.37	351	11	6.83E-01	7.7	
12	0	365.36	6	7	1.87	365.33	362	7	2.00E-02	83.7	
13	1	383.98	52	7	1.88	383.97	382	9	1.72E-01	15.6	2.06E+00
14	1	387.20	54	21	2.00	387.18	382	9	1.79E-01	21.6	
15	0	419.41	15	9	2.89	419.41	417	9	4.94E-02	49.7	
16	0	437.33	41	0	1.57	437.34	433	9	1.37E-01	15.6	

Total number of lines in spectrum 16
 Number of unidentified lines 12
 Number of lines tentatively identified by NID 4 25.00%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
BA-133	10.50Y	1.00	4.318E+02	4.318E+02	0.644E+02	14.92	
Total Activity :			4.318E+02	4.318E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
TH-234	4.47E+09Y	1.00	3.464E+02	3.464E+02	1.020E+02	29.43	
Total Activity :			3.464E+02	3.464E+02			

Grand Total Activity : 7.782E+02 7.782E+02

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	3.996E+02	3.997E+02	23.22	OK
	302.84	17.80	4.915E+00	6.103E+02	6.104E+02	42.99	OK
	356.01	60.00	6.963E+00	4.420E+02	4.421E+02	21.54	OK

Final Mean for 3 Valid Peaks = 4.318E+02 +/- 6.444E+01 (14.92%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	3.464E+02	3.464E+02	29.43	OK

Final Mean for 1 Valid Peaks = 3.464E+02 +/- 1.020E+02 (29.43%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	4.318E+02	6.444E+01	3.259E+01	5.350E+00	13.249
TH-234	3.464E+02	1.020E+02	1.010E+02	3.237E+00	3.429

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	-1.824E+01		2.580E+01	3.892E+01	1.215E+01	-0.469
CD-109	-9.756E+01		2.881E+02	3.752E+02	4.853E+01	-0.260
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	3.475E+01		6.910E+01	1.133E+02	1.379E+01	0.307
AM-241	1.131E+01		5.710E+00	1.159E+01	2.719E-01	0.975

MR 5.8-56

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_060500209_GE1_BAFIL_97690.CNF
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : SS-07(75"-78")
 Deposition Date :
 Sample Date : 8-MAY-2006 00:00:00. Acquisition date : 8-MAY-2006 16:52:59.
 Sample ID : 0605002-09 Sample Quantity : 1.00000E+00 filter
 Sample type : FILTER Sample Geometry : 0
 Detector name : GE1 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.07 0.0%
 Start channel : 25 End channel : 4096
 Sensitivity : 3.00000 Gaussian : 10.00000
 Critical level : No

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	0	62.02	88	58	1.37	61.82	58	7	2.94E-01	17.8	
2	0	81.34	308	48	1.38	81.15	77	8	1.03E+00	6.9	
3	0	93.58	25	32	1.46	93.40	90	8	8.33E-02	44.0	
4	0	103.57	28	13	1.78	103.39	101	7	9.44E-02	27.9	
5	1	112.12	80	11	1.76	111.95	108	16	2.67E-01	13.4	1.19E+00
6	1	116.31	16	12	1.76	116.14	108	16	5.38E-02	41.6	
7	0	265.17	12	8	3.31	265.08	262	8	4.00E-02	50.0	
8	2	276.71	22	9	2.11	276.63	270	15	7.28E-02	32.0	2.34E+00
9	2	280.06	9	13	2.12	279.98	270	15	2.84E-02	79.5	
10	0	303.73	37	20	1.59	303.67	299	8	1.24E-01	26.6	
11	1	334.10	23	12	1.96	334.06	329	13	7.61E-02	30.9	3.59E+00
12	1	338.22	26	8	1.97	338.18	329	13	8.66E-02	26.9	
13	0	356.29	227	5	1.71	356.26	351	9	7.56E-01	6.9	
14	0	365.28	9	3	1.85	365.25	362	6	3.00E-02	45.1	
15	6	384.44	52	15	2.57	384.43	380	11	1.73E-01	25.1	5.07E+00
16	6	387.68	41	19	1.84	387.67	380	11	1.37E-01	26.0	
17	0	437.21	40	0	1.68	437.23	434	7	1.33E-01	15.8	
18	0	511.23	7	0	2.09	511.29	508	6	2.33E-02	37.8	

Summary of Nuclide Activity

Sample ID : 0605002-09

Acquisition date : 8-MAY-2006 16:52:59

Total number of lines in spectrum 18
 Number of unidentified lines 14
 Number of lines tentatively identified by NID 4 22.22%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
BA-133	10.50Y	1.00	4.507E+02	4.508E+02	0.655E+02	14.53	
Total Activity :			4.507E+02	4.508E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
TH-234	4.47E+09Y	1.00	3.570E+02	3.570E+02	1.284E+02	35.96	
Total Activity :			3.570E+02	3.570E+02			

Grand Total Activity : 8.078E+02 8.078E+02

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	4.285E+02	4.285E+02	21.82	OK
	302.84	17.80	4.915E+00	3.818E+02	3.818E+02	60.65	OK
	356.01	60.00	6.963E+00	4.891E+02	4.891E+02	20.44	OK

Final Mean for 3 Valid Peaks = 4.508E+02 +/- 6.550E+01 (14.53%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	3.570E+02	3.570E+02	35.96	OK

Final Mean for 1 Valid Peaks = 3.570E+02 +/- 1.284E+02 (35.96%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	4.508E+02	6.550E+01	3.424E+01	5.621E+00	13.165
TH-234	3.570E+02	1.284E+02	1.599E+02	5.123E+00	2.233

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	1.476E+00		2.540E+01	4.206E+01	1.313E+01	0.035
CD-109	1.349E+02		2.845E+02	4.511E+02	5.835E+01	0.299
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	2.475E+01		8.554E+01	1.290E+02	1.571E+01	0.192
AM-241	9.432E+00		6.842E+00	1.261E+01	2.958E-01	0.748

M 5.8.5b

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_060500210_GE1_BAFIL_97691.CNF
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : SS-11(66"-97")
 Deposition Date :
 Sample Date : 8-MAY-2006 00:00:00. Acquisition date : 8-MAY-2006 16:58:37.
 Sample ID : 0605002-10 Sample Quantity : 1.00000E+00 filter
 Sample type : FILTER Sample Geometry : 0
 Detector name : GE1 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.05 0.0%
 Start channel : 25 End channel : 4096
 Sensitivity : 3.00000 Gaussian : 10.00000
 Critical level : No

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	6	62.27	59	22	2.71	62.07	57	12	1.96E-01	20.2	1.87E+00
2	6	65.76	13	21	2.72	65.57	57	12	4.34E-02	90.9	
3	0	81.33	152	30	1.48	81.15	78	8	5.08E-01	10.1	
4	1	89.34	8	4	1.72	89.16	88	9	2.62E-02	50.7	3.76E+00
5	1	93.02	24	9	1.73	92.84	88	9	8.12E-02	27.8	
6	0	112.07	45	37	1.48	111.90	108	9	1.51E-01	28.1	
7	0	210.79	7	15	1.81	210.68	207	7	2.32E-02	104.3	
8	3	276.50	16	4	2.32	276.42	273	10	5.21E-02	31.4	9.50E-01
9	3	280.36	5	1	2.33	280.28	273	10	1.75E-02	60.8	
10	0	303.42	36	8	1.45	303.36	300	8	1.20E-01	21.5	
11	0	334.25	24	4	1.46	334.21	331	8	8.00E-02	25.0	
12	0	356.51	115	9	2.02	356.48	353	7	3.84E-01	10.2	
13	2	384.26	20	0	1.99	384.25	382	13	6.81E-02	22.9	2.35E+00
14	2	387.10	51	0	2.20	387.09	382	13	1.70E-01	17.2	
15	2	391.63	8	0	2.21	391.62	382	13	2.53E-02	67.2	
16	3	411.04	7	1	2.44	411.05	410	17	2.20E-02	5.3	1.28E+00
17	3	415.61	10	4	2.45	415.61	410	17	3.47E-02	51.0	
18	0	437.01	34	0	1.79	437.03	434	7	1.13E-01	17.1	
19	0	468.13	7	3	2.63	468.16	464	7	2.23E-02	59.9	

Total number of lines in spectrum 19
 Number of unidentified lines 14
 Number of lines tentatively identified by NID 5 26.32%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean		Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
CD-109	464.00D	1.00	1.324E+02	1.326E+02	1.357E+02	102.34	
BA-133	10.50Y	1.00	2.345E+02	2.345E+02	0.410E+02	17.47	
Total Activity :			3.669E+02	3.671E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean		Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
TH-234	4.47E+09Y	1.00	2.371E+02	2.371E+02	0.964E+02	40.67	
Total Activity :			2.371E+02	2.371E+02			

Grand Total Activity : 6.040E+02 6.042E+02

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
CD-109	88.03	3.72*	1.439E+01	1.324E+02	1.326E+02	102.34	OK

Final Mean for 1 Valid Peaks = 1.326E+02 +/- 1.357E+02 (102.34%)

BA-133	81.00	33.00*	1.963E+01	2.120E+02	2.121E+02	26.37	OK
	302.84	17.80	4.915E+00	3.707E+02	3.708E+02	52.03	OK
	356.01	60.00	6.963E+00	2.487E+02	2.487E+02	25.47	OK

Final Mean for 3 Valid Peaks = 2.345E+02 +/- 4.096E+01 (17.47%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	2.371E+02	2.371E+02	40.67	OK

Final Mean for 1 Valid Peaks = 2.371E+02 +/- 9.643E+01 (40.67%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CD-109	1.326E+02	1.357E+02	3.141E+02	4.063E+01	0.422
BA-133	2.345E+02	4.096E+01	2.992E+01	4.912E+00	7.838
TH-234	2.371E+02	9.643E+01	8.896E+01	2.850E+00	2.665

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	-5.187E+00		2.007E+01	3.445E+01	1.076E+01	-0.151
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	1.356E+01		6.065E+01	9.564E+01	1.164E+01	0.142
AM-241	7.067E+00		4.839E+00	1.003E+01	2.353E-01	0.705

ML 5/8/06

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_060500211_GE1_BAFIL_97692.CNF
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : SS-11(97"-107")
 Deposition Date :
 Sample Date : 8-MAY-2006 00:00:00. Acquisition date : 8-MAY-2006 17:09:00.
 Sample ID : 0605002-11 Sample Quantity : 1.00000E+00 filter
 Sample type : FILTER Sample Geometry : 0
 Detector name : GE1 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.06 0.0%
 Start channel : 25 End channel : 4096
 Sensitivity : 3.00000 Gaussian : 10.00000
 Critical level : No

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	4	61.99	71	29	2.24	61.79	58	12	2.36E-01	18.0	1.62E+00
2	4	66.07	17	35	2.25	65.87	58	12	5.83E-02	72.8	
3	2	81.38	183	15	1.61	81.19	77	14	6.11E-01	8.0	2.16E+00
4	2	87.18	11	8	1.57	87.00	77	14	3.53E-02	64.5	
5	3	112.18	63	25	2.12	112.01	108	14	2.10E-01	17.6	2.20E+00
6	3	115.70	17	17	2.13	115.53	108	14	5.62E-02	66.2	
7	0	150.17	13	10	4.37	150.02	146	8	4.30E-02	53.1	
8	0	238.45	13	15	3.30	238.35	232	10	4.40E-02	61.2	
9	0	277.12	21	5	2.69	277.04	274	8	7.04E-02	27.6	
10	0	303.42	35	9	2.26	303.36	300	7	1.17E-01	22.0	
11	1	333.92	23	6	1.96	333.88	329	13	7.60E-02	28.1	7.05E-01
12	1	338.02	8	6	1.97	337.98	329	13	2.50E-02	69.2	
13	0	356.40	159	7	1.78	356.37	352	9	5.31E-01	8.4	
14	0	365.22	12	2	3.76	365.20	362	7	4.02E-02	34.2	
15	2	384.08	23	6	2.20	384.07	381	18	7.82E-02	38.4	9.69E-01
16	2	387.37	60	5	2.10	387.36	381	18	2.00E-01	16.6	
17	2	391.39	18	4	2.21	391.38	381	18	5.97E-02	42.6	
18	1	415.04	26	3	2.02	415.04	411	11	8.56E-02	22.6	5.21E+00
19	1	418.18	7	7	2.02	418.18	411	11	2.38E-02	89.5	
20	0	437.28	25	2	2.26	437.30	433	9	8.22E-02	23.0	

Total number of lines in spectrum 20
 Number of unidentified lines 15
 Number of lines tentatively identified by NID 5 25.00%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean		Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
CD-109	464.00D	1.00	1.784E+02	1.786E+02	2.316E+02	129.69	
BA-133	10.50Y	1.00	2.917E+02	2.917E+02	0.458E+02	15.69	
NP-237	2.14E+06Y	1.00	4.947E+01	4.947E+01	6.412E+01	129.61	
Total Activity :			5.195E+02	5.198E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean		Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
TH-234	4.47E+09Y	1.00	2.862E+02	2.862E+02	1.043E+02	36.44	
Total Activity :			2.862E+02	2.862E+02			

Grand Total Activity : 8.058E+02 8.060E+02

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
CD-109	88.03	3.72*	1.439E+01	1.784E+02	1.786E+02	129.69	OK

Final Mean for 1 Valid Peaks = 1.786E+02 +/- 2.316E+02 (129.69%)

BA-133	81.00	33.00*	1.963E+01	2.551E+02	2.551E+02	23.21	OK
	302.84	17.80	4.915E+00	3.607E+02	3.607E+02	52.81	OK
	356.01	60.00	6.963E+00	3.436E+02	3.436E+02	22.70	OK

Final Mean for 3 Valid Peaks = 2.917E+02 +/- 4.578E+01 (15.69%)

NP-237	86.50	12.60*	1.532E+01	4.947E+01	4.947E+01	129.61	OK
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Final Mean for 1 Valid Peaks = 4.947E+01 +/- 6.412E+01 (129.61%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	2.862E+02	2.862E+02	36.44	OK

Final Mean for 1 Valid Peaks = 2.862E+02 +/- 1.043E+02 (36.44%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CD-109	1.786E+02	2.316E+02	4.058E+02	5.249E+01	0.440
BA-133	2.917E+02	4.578E+01	3.343E+01	5.487E+00	8.727
TH-234	2.862E+02	1.043E+02	1.117E+02	3.578E+00	2.563
NP-237	4.947E+01	6.412E+01	1.123E+02	1.368E+01	0.440

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	6.692E+00		2.000E+01	3.639E+01	1.136E+01	0.184
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
AM-241	8.675E+00		5.676E+00	1.105E+01	2.592E-01	0.785

ML 5-8-06

Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_060500212_GE1_BAFIL_97694.CNF
 Analyses by : PEAK V16.9 : PEAKEFF V2.2
 Client ID : SS-11(107"-110")
 Deposition Date :
 Sample Date : 8-MAY-2006 00:00:00. Acquisition date : 8-MAY-2006 17:14:52.
 Sample ID : 0605002-12 Sample Quantity : 1.00000E+00 filter
 Sample type : FILTER Sample Geometry : 0
 Detector name : GE1 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.06 0.0%
 Start channel : 25 End channel : 4096
 Sensitivity : 3.00000 Gaussian : 10.00000
 Critical level : No

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	4	61.76	74	24	2.24	61.56	58	13	2.47E-01	17.3	1.38E+00
2	4	65.91	26	33	2.25	65.71	58	13	8.61E-02	50.2	
3	0	81.35	233	40	1.33	81.16	77	8	7.77E-01	8.1	
4	0	95.02	24	40	2.25	94.84	89	9	7.98E-02	52.0	
5	0	112.12	54	32	1.47	111.95	108	7	1.80E-01	20.2	
6	0	116.90	19	27	1.26	116.74	115	6	6.33E-02	49.0	
7	0	161.68	10	22	1.79	161.54	158	7	3.31E-02	83.4	
8	0	276.95	18	9	1.30	276.87	275	6	6.09E-02	33.8	
9	3	303.17	65	11	1.86	303.11	298	18	2.16E-01	14.3	1.46E+00
10	3	307.47	18	6	2.35	307.41	298	18	6.10E-02	45.2	
11	3	312.62	6	4	2.36	312.56	298	18	2.12E-02	86.8	
12	0	334.13	29	5	2.59	334.09	331	6	9.82E-02	21.7	
13	0	356.34	166	5	1.84	356.31	351	9	5.53E-01	8.1	
14	0	365.14	18	0	3.74	365.11	361	9	6.00E-02	23.6	
15	2	384.21	32	0	1.83	384.19	382	13	1.08E-01	13.4	2.10E+00
16	2	387.10	72	0	2.20	387.09	382	13	2.40E-01	14.9	
17	2	391.63	18	0	2.21	391.62	382	13	6.13E-02	37.3	
18	0	437.67	25	6	1.80	437.69	433	8	8.33E-02	26.2	
19	0	472.17	10	0	1.66	472.20	469	7	3.33E-02	31.6	
20	0	511.64	10	4	1.34	511.70	508	8	3.33E-02	46.9	

Total number of lines in spectrum 20
 Number of unidentified lines 16
 Number of lines tentatively identified by NID 4 20.00%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
BA-133	10.50Y	1.00	3.528E+02	3.529E+02	0.537E+02	15.23	
Total Activity :			3.528E+02	3.529E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean	Wtd Mean	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
			Uncorrected pCi/filter	Decay Corr pCi/filter			
TH-234	4.47E+09Y	1.00	2.996E+02	2.996E+02	1.050E+02	35.03	
Total Activity :			2.996E+02	2.996E+02			

Grand Total Activity : 6.525E+02 6.525E+02

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	3.243E+02	3.244E+02	23.35	OK
	302.84	17.80	4.915E+00	6.679E+02	6.680E+02	40.84	OK
	356.01	60.00	6.963E+00	3.575E+02	3.575E+02	22.21	OK

Final Mean for 3 Valid Peaks = 3.529E+02 +/- 5.373E+01 (15.23%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	2.996E+02	2.996E+02	35.03	OK

Final Mean for 1 Valid Peaks = 2.996E+02 +/- 1.050E+02 (35.03%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	3.529E+02	5.373E+01	3.343E+01	5.487E+00	10.557
TH-234	2.996E+02	1.050E+02	1.117E+02	3.578E+00	2.683

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	-2.578E+01		3.020E+01	3.843E+01	1.200E+01	-0.671
CD-109	-2.332E+02		3.186E+02	3.658E+02	4.731E+01	-0.638
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	-2.080E+01		8.455E+01	1.129E+02	1.375E+01	-0.184
AM-241	9.430E+00		6.019E+00	1.160E+01	2.722E-01	0.813

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Configuration : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_060500213_GE1_BAFIL_97695.CNF
 Analyses by : PEAK V16.9 PEAKEFF V2.2
 Client ID : SS-12(29"-73")
 Deposition Date :
 Sample Date : 8-MAY-2006 00:00:00. Acquisition date : 8-MAY-2006 17:20:57.
 Sample ID : 0605002-13 Sample Quantity : 1.00000E+00 filter
 Sample type : FILTER Sample Geometry : 0
 Detector name : GE1 Detector Geometry: BAFIL
 Elapsed live time: 0 00:05:00.00 Elapsed real time: 0 00:05:00.06 0.0%
 Start channel : 25 End channel : 4096
 Sensitivity : 3.00000 Gaussian : 10.00000
 Critical level : No

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	2	61.88	81	38	1.85	61.68	57	14	2.70E-01	16.8	7.99E-01
2	2	66.13	35	41	1.86	65.94	57	14	1.17E-01	33.7	
3	0	81.28	311	48	1.44	81.09	76	10	1.04E+00	7.0	
4	0	92.39	30	18	2.85	92.21	89	7	9.93E-02	29.8	
5	4	112.11	77	16	2.34	111.94	108	14	2.58E-01	15.5	1.46E+00
6	4	115.91	30	19	2.34	115.74	108	14	1.01E-01	41.2	
7	3	185.68	11	11	2.22	185.55	181	19	3.69E-02	57.3	1.28E+00
8	3	194.12	7	5	1.68	194.00	181	19	2.47E-02	64.5	
9	0	213.80	13	19	3.80	213.69	210	9	4.35E-02	65.2	
10	0	277.39	16	18	2.83	277.31	272	9	5.33E-02	53.9	
11	0	303.26	43	14	1.15	303.20	300	7	1.42E-01	21.2	
12	4	333.74	29	1	2.62	333.70	330	13	9.76E-02	22.1	8.01E-01
13	4	337.87	12	2	2.16	337.83	330	13	4.07E-02	42.0	
14	0	356.29	206	3	2.02	356.26	350	12	6.87E-01	7.2	
15	0	365.03	10	3	3.23	365.00	362	6	3.33E-02	41.8	
16	1	384.20	49	1	1.99	384.18	382	14	1.62E-01	14.7	1.03E+00
17	1	386.98	74	5	2.00	386.97	382	14	2.48E-01	15.6	
18	1	391.19	12	8	2.01	391.18	382	14	3.89E-02	63.4	
19	0	417.13	17	10	3.58	417.13	414	8	5.81E-02	37.6	
20	0	437.47	37	3	1.86	437.49	434	6	1.23E-01	18.0	
21	0	467.86	10	3	2.22	467.89	464	7	3.21E-02	45.5	

Summary of Nuclide Activity

Sample ID : 0605002-13

Acquisition date : 8-MAY-2006 17:20:57

Total number of lines in spectrum 21
 Number of unidentified lines 17
 Number of lines tentatively identified by NID 4 19.05%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
BA-133	10.50Y	1.00	4.390E+02	4.391E+02	0.637E+02	14.51	
Total Activity :			4.390E+02	4.391E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
TH-234	4.47E+09Y	1.00	3.273E+02	3.273E+02	1.111E+02	33.94	
Total Activity :			3.273E+02	3.273E+02			

Grand Total Activity : 7.663E+02 7.664E+02

Flags: "K" = Keyline not found
 "E" = Manually edited

"M" = Manually accepted
 "A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	4.333E+02	4.334E+02	21.96	OK
	302.84	17.80	4.915E+00	4.386E+02	4.386E+02	51.50	OK
	356.01	60.00	6.963E+00	4.445E+02	4.446E+02	20.85	OK

Final Mean for 3 Valid Peaks = 4.391E+02 +/- 6.372E+01 (14.51%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	3.273E+02	3.273E+02	33.94	OK

Final Mean for 1 Valid Peaks = 3.273E+02 +/- 1.111E+02 (33.94%)

Flag: "*" = Keyline

190A

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	4.391E+02	6.372E+01	3.802E+01	6.241E+00	11.549
TH-234	3.273E+02	1.111E+02	1.076E+02	3.446E+00	3.043

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	7.221E+00		2.280E+01	4.029E+01	1.258E+01	0.179
CD-109	1.433E+02		2.140E+02	3.770E+02	4.877E+01	0.380
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	4.912E+01		6.078E+01	1.094E+02	1.332E+01	0.449
AM-241	1.433E+01		6.369E+00	1.321E+01	3.100E-01	1.084

```

Configuration      : DKA100:[GAMMA.SCUSR.ARCHIVE]SMP_060500214_GE1_BAFIL_97696.CNF
Analyses by       : PEAK V16.9  PEAKEFF V2.2
Client ID        : SS-05) (57"-93")
Deposition Date   :
Sample Date      : 8-MAY-2006 00:00:00. Acquisition date : 8-MAY-2006 17:26:41.
Sample ID       : 0605002-14      Sample Quantity  : 1.00000E+00 filter
Sample type     : FILTER          Sample Geometry  : 0
Detector name   : GE1            Detector Geometry: BAFIL
Elapsed live time: 0 00:05:00.00  Elapsed real time: 0 00:05:00.06  0.0%
Start channel   : 25             End channel     : 4096
Sensitivity     : 3.00000        Gaussian        : 10.00000
Critical level  : No
    
```

Pk	It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	Cts/Sec	%Err	Fit
1	5	61.87	88	30	2.46	61.68	57	15	2.94E-01	16.0	1.65E+00
2	5	65.84	49	33	2.47	65.64	57	15	1.62E-01	28.7	
3	0	81.41	262	45	1.60	81.22	76	10	8.73E-01	7.8	
4	0	96.71	45	38	11.42	96.54	89	16	1.51E-01	34.4	
5	0	112.07	76	33	1.33	111.90	108	7	2.53E-01	17.0	
6	0	184.77	22	18	2.01	184.65	180	8	7.42E-02	39.2	
7	0	249.95	11	15	6.75	249.86	245	11	3.72E-02	71.6	
8	0	277.89	21	21	2.39	277.81	272	13	7.12E-02	48.1	
9	0	303.06	47	20	1.37	303.00	300	8	1.57E-01	21.5	
10	2	333.67	21	1	2.16	333.62	331	12	7.06E-02	24.1	9.19E-01
11	2	338.02	8	5	2.16	337.98	331	12	2.59E-02	55.5	
12	0	356.32	207	7	1.95	356.29	353	7	6.90E-01	7.3	
13	1	384.20	29	3	2.00	384.18	382	8	9.66E-02	21.0	5.36E-01
14	1	386.98	74	7	1.77	386.97	382	8	2.47E-01	14.3	
15	0	415.52	24	13	1.75	415.52	411	10	8.06E-02	34.2	
16	0	437.34	34	0	1.75	437.35	434	7	1.13E-01	17.1	
17	0	467.61	12	1	1.44	467.64	465	5	3.92E-02	32.4	
18	0	511.47	10	4	3.12	511.53	508	7	3.17E-02	46.0	

Summary of Nuclide Activity
Sample ID : 0605002-14

Page : 2
Acquisition date : 8-MAY-2006 17:26:41

Total number of lines in spectrum 18
Number of unidentified lines 14
Number of lines tentatively identified by NID 4 22.22%

Nuclide Type : FISSION

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
BA-133	10.50Y	1.00	4.058E+02	4.058E+02	0.607E+02	14.95	
Total Activity :			4.058E+02	4.058E+02			

Nuclide Type : NATURAL

Nuclide	Hlife	Decay	Wtd Mean Uncorrected pCi/filter	Wtd Mean Decay Corr pCi/filter	Decay Corr 2-Sigma Error	2-Sigma %Error	Flags
TH-234	4.47E+09Y	1.00	3.560E+02	3.560E+02	1.153E+02	32.37	
Total Activity :			3.560E+02	3.560E+02			

Grand Total Activity : 7.618E+02 7.619E+02

Flags: "K" = Keyline not found
"E" = Manually edited

"M" = Manually accepted
"A" = Nuclide specific abn. limit

Nuclide Type: FISSION

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
BA-133	81.00	33.00*	1.963E+01	3.645E+02	3.645E+02	23.02	OK
	302.84	17.80	4.915E+00	4.852E+02	4.853E+02	52.06	OK
	356.01	60.00	6.963E+00	4.464E+02	4.464E+02	21.00	OK

Final Mean for 3 Valid Peaks = 4.058E+02 +/- 6.069E+01 (14.95%)

Nuclide Type: NATURAL

Nuclide	Energy	%Abn	%Eff	Uncorrected pCi/filter	Decay Corr pCi/filter	2-Sigma %Error	Status
TH-234	63.29	3.80*	5.865E+01	3.560E+02	3.560E+02	32.37	OK

Final Mean for 1 Valid Peaks = 3.560E+02 +/- 1.153E+02 (32.37%)

Flag: "*" = Keyline

---- Identified Nuclides ----

Nuclide	Activity (pCi/filter)	Act error	MDA (pCi/filter)	MDA error	Act/MDA
BA-133	4.058E+02	6.069E+01	3.084E+01	5.063E+00	13.157
TH-234	3.560E+02	1.153E+02	1.096E+02	3.513E+00	3.248

---- Non-Identified Nuclides ----

Nuclide	Key-Line Activity (pCi/filter)	K.L. Ided	Act error	MDA (pCi/filter)	MDA error	Act/MDA
CO-57	-2.387E+01		2.684E+01	3.823E+01	1.194E+01	-0.624
CD-109	3.991E+01		2.178E+02	3.399E+02	4.397E+01	0.117
PA-231	0.000E+00		0.000E+00	5.798E-01	1.089E-02	0.000
PA-234	0.000E+00		0.000E+00	3.752E-01	7.051E-03	0.000
NP-237	4.415E+01		6.541E+01	1.125E+02	1.370E+01	0.392
AM-241	1.430E+01		6.441E+00	1.330E+01	3.121E-01	1.075

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Greg Miller
ICON Environmental Services
1055 Convention Street, 2nd Floor
Baton Rouge, LA 708024771
TEL: (225) 344-8490
FAX (225) 344-6654

December 18, 2006
Order No.: L06110693

RE: VPSB- White Lake

Ground WATER

Dear Greg Miller:

Sherry Laboratories/Louisiana received 11 samples on 11/16/2006 for the analyses presented in the following report.

In accordance with your instructions, Sherry Laboratories/Louisiana conducted the analysis shown on the following pages on samples submitted by your company. The results related only to the items tested. Unless otherwise noted, all analyses were conducted using EPA approved methodologies and all test results meet all requirements of NELAC. All relevant sampling information is on the attached Chain-of-Custody form. A "#" by the test method indicates this parameter is outside the scope of accreditation.

All soil samples except 29-B data are on a wet-weight basis unless otherwise indicated.

Louisiana Certification/Accreditation: 01997

A scope of Certified/Accredited parameters is available upon request.

If you have any questions regarding these test results, please feel free to call.

Sincerely,
Jerry Landry
Laboratory Director

Approved By: *Annie Reedy*
Annie Reedy
Assistant Laboratory Director

Total Pages in this Report 43



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(800) 737-2378

Date: 18-Dec-06

CLIENT: ICON Environmental Services
Project: VPSB- White Lake
Lab Order: L06110693

CASE NARRATIVE

Unless specified by the client, a duplicate or MS/MSD, wherever applicable, is randomly selected and analyzed from each analytical batch provided sample volume is sufficient. The sample chosen for duplicate or MS/MSD may or may not be a sample submitted in this workorder. A method blank and/or a lab control sample (LCS)/lab control sample duplicate (LCSD), wherever applicable, are processed as a quality control check for each analytical batch. When the matrix QC data is not available due to insufficient sample volume or when the results indicate possible matrix effect, the validity of the batch is determined by the method blank and LCS/LCSD.

Any other exceptions associated with this report will be footnoted in the results page(s) or the QC summary page(s).

The Chloride analysis was subcontracted to Southern Petroleum Laboratories - Lafayette. Their report is attached in its entirety.

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CLIENT: ICON Environmental Services
Lab Order: L06110693
Project: VPSB- White Lake

Date Received: 11/16/2006
Date Reported: 18-Dec-06

Lab ID L06110693-01 **Collection Date:** 11/13/2006 1:30:00 P **Sample ID:** AB-7
Matrix: AQUEOUS **Tag Number:**

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
TOTAL DISSOLVED SOLIDS	E160.1					PM
Total Dissolved Solids (Residue, Filterable)	7,470	100		mg/L	11/17/2006 3:15:00 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	63.0	30-148		%REC	11/17/2006 2:59:00 PM	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	< 0.122	0.122		mg/L	11/17/2006 2:59:00 PM	
TPH (Oil Range)	0.188	0.102		mg/L	11/17/2006 2:59:00 PM	
METALS IN WATER BY ICP, TOTALS	SW6010B					STS
Arsenic	0.025	0.010		mg/L	11/21/2006 10:09:22 PM	
Barium	2.36	0.010		mg/L	11/21/2006 10:09:22 PM	
Cadmium	0.002	0.001		mg/L	11/21/2006 10:09:22 PM	
Lead	< 0.00500	0.005		mg/L	11/21/2006 10:09:22 PM	
Strontium	2.43	1.00		mg/L	11/28/2006 9:40:02 PM	
BTEX IN WATER BY GC	SW8021B					SBH
Benzene	< 0.00500	0.005		mg/L	11/17/2006 6:15:00 PM	
Ethylbenzene	< 0.00500	0.005		mg/L	11/17/2006 6:15:00 PM	
Toluene	< 0.00500	0.005		mg/L	11/17/2006 6:15:00 PM	
Xylenes, Total	< 0.0150	0.015		mg/L	11/17/2006 6:15:00 PM	
Surr: alpha, alpha, alpha-Trifluorotoluene	92.6	70-130		%REC	11/17/2006 6:15:00 PM	
TFT (TPH-G SURROGATE)	SW8015B					SBH
Surr: alpha,alpha,alpha-trifluorotoluene	102	70-130		%REC	11/17/2006 6:15:00 PM	
TPH (GASOLINE RANGE)	SW8015B					SBH
TPH (Gasoline Range)	< 0.150	0.150		mg/L	11/17/2006 6:15:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time

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CLIENT: ICON Environmental Services
Lab Order: L06110693
Project: VPSB- White Lake

Date Received: 11/16/2006
Date Reported: 18-Dec-06

Lab ID L06110693-02 **Collection Date:** 11/13/2006 12:30:00 P **Sample ID:** AB-5
Matrix: AQUEOUS **Tag Number:**

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
TOTAL DISSOLVED SOLIDS	E160.1					PM
Total Dissolved Solids (Residue, Filterable)	17,200	100		mg/L	11/17/2006 3:15:00 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	90.6	30-148		%REC	11/17/2006 3:06:00 PM	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	0.477	0.124		mg/L	11/17/2006 3:06:00 PM	
TPH (Oil Range)	0.405	0.103		mg/L	11/17/2006 3:06:00 PM	
METALS IN WATER BY ICP, TOTALS	SW6010B					STS
Arsenic	< 0.0100	0.010		mg/L	11/21/2006 10:13:34 PM	
Barium	1.12	0.010		mg/L	11/21/2006 10:13:34 PM	
Cadmium	0.002	0.001		mg/L	11/21/2006 10:13:34 PM	
Lead	0.006	0.005		mg/L	11/21/2006 10:13:34 PM	
Strontium	11.9	1.00		mg/L	11/28/2006 9:44:13 PM	
BTEX IN WATER BY GC	SW8021B					SBH
Benzene	0.005	0.005		mg/L	11/17/2006 6:39:00 PM	
Ethylbenzene	< 0.00500	0.005		mg/L	11/17/2006 6:39:00 PM	
Toluene	< 0.00500	0.005		mg/L	11/17/2006 6:39:00 PM	
Xylenes, Total	< 0.0150	0.015		mg/L	11/17/2006 6:39:00 PM	
Surr: alpha, alpha, alpha-Trifluorotoluene	89.8	70-130		%REC	11/17/2006 6:39:00 PM	
TFT (TPH-G SURROGATE)	SW8015B					SBH
Surr: alpha,alpha,alpha-trifluorotoluene	96.8	70-130		%REC	11/17/2006 6:39:00 PM	
TPH (GASOLINE RANGE)	SW8015B					SBH
TPH (Gasoline Range)	< 0.150	0.150		mg/L	11/17/2006 6:39:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time

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CLIENT: ICON Environmental Services

Lab Order: L06110693

Project: VPSB- White Lake

Date Received: 11/16/2006

Date Reported: 18-Dec-06

Lab ID L06110693-03 **Collection Date:** 11/13/2006 2:45:00 P **Sample ID:** AB-15

Matrix: AQUEOUS

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
TOTAL DISSOLVED SOLIDS	E160.1					PM
Total Dissolved Solids (Residue, Filterable)	10,300	100		mg/L	11/17/2006 3:15:00 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	72.4	30-148		%REC	11/17/2006 3:12:00 PM	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	0.214	0.124		mg/L	11/17/2006 3:12:00 PM	
TPH (Oil Range)	0.206	0.103		mg/L	11/17/2006 3:12:00 PM	
METALS IN WATER BY ICP, TOTALS	SW6010B					STS
Arsenic	0.017	0.010		mg/L	11/21/2006 10:17:32 PM	
Barium	3.69	0.010		mg/L	11/21/2006 10:17:32 PM	
Cadmium	0.002	0.001		mg/L	11/21/2006 10:17:32 PM	
Lead	< 0.00500	0.005		mg/L	11/21/2006 10:17:32 PM	
Strontium	11.4	1.00		mg/L	11/28/2006 9:48:27 PM	
BTEX IN WATER BY GC	SW8021B					SBH
Benzene	< 0.00500	0.005		mg/L	11/17/2006 7:04:00 PM	
Ethylbenzene	< 0.00500	0.005		mg/L	11/17/2006 7:04:00 PM	
Toluene	< 0.00500	0.005		mg/L	11/17/2006 7:04:00 PM	
Xylenes, Total	< 0.0150	0.015		mg/L	11/17/2006 7:04:00 PM	
Surr: alpha, alpha, alpha-Trifluorotoluene	84.0	70-130		%REC	11/17/2006 7:04:00 PM	
TFT (TPH-G SURROGATE)	SW8015B					SBH
Surr: alpha,alpha,alpha-trifluorotoluene	90.4	70-130		%REC	11/17/2006 7:04:00 PM	
TPH (GASOLINE RANGE)	SW8015B					SBH
TPH (Gasoline Range)	< 0.150	0.150		mg/L	11/17/2006 7:04:00 PM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

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CLIENT: ICON Environmental Services
Lab Order: L06110693
Project: VPSB- White Lake

Date Received: 11/16/2006
Date Reported: 18-Dec-06

Lab ID L06110693-04 **Collection Date:** 11/14/2006 10:40:00 A **Sample ID:** AWW-1
Matrix: AQUEOUS **Tag Number:**

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
TOTAL DISSOLVED SOLIDS	E160.1					PM
Total Dissolved Solids (Residue, Filterable)	553	20.0		mg/L	11/17/2006 3:15:00 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	89.6	30-148		%REC	11/17/2006 3:19:00 PM	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	0.839	0.122		mg/L	11/17/2006 3:19:00 PM	
TPH (Oil Range)	0.447	0.102		mg/L	11/17/2006 3:19:00 PM	
METALS IN WATER BY ICP, TOTALS	SW6010B					STS
Arsenic	0.011	0.010		mg/L	11/21/2006 10:21:30 PM	
Barium	0.431	0.010		mg/L	11/21/2006 10:21:30 PM	
Cadmium	< 0.00100	0.001		mg/L	11/21/2006 10:21:30 PM	
Lead	< 0.00500	0.005		mg/L	11/21/2006 10:21:30 PM	
Strontium	0.460	0.010		mg/L	11/21/2006 10:21:30 PM	
BTEX IN WATER BY GC	SW8021B					SBH
Benzene	< 0.00500	0.005		mg/L	11/17/2006 7:28:00 PM	
Ethylbenzene	< 0.00500	0.005		mg/L	11/17/2006 7:28:00 PM	
Toluene	< 0.00500	0.005		mg/L	11/17/2006 7:28:00 PM	
Xylenes, Total	< 0.0150	0.015		mg/L	11/17/2006 7:28:00 PM	
Surr: alpha, alpha, alpha-Trifluorotoluene	85.2	70-130		%REC	11/17/2006 7:28:00 PM	
TFT (TPH-G SURROGATE)	SW8015B					SBH
Surr: alpha,alpha,alpha-trifluorotoluene	90.2	70-130		%REC	11/17/2006 7:28:00 PM	
TPH (GASOLINE RANGE)	SW8015B					SBH
TPH (Gasoline Range)	< 0.150	0.150		mg/L	11/17/2006 7:28:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
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B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time

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CLIENT: ICON Environmental Services
Lab Order: L06110693
Project: VPSB- White Lake

Date Received: 11/16/2006
Date Reported: 18-Dec-06

Lab ID L06110693-05 **Collection Date:** 11/14/2006 11:25:00 A **Sample ID:** AWW-2
Matrix: AQUEOUS **Tag Number:**

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
TOTAL DISSOLVED SOLIDS	E160.1					PM
Total Dissolved Solids (Residue, Filterable)	691	20.0		mg/L	11/17/2006 3:15:00 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	82.2	30-148		%REC	11/17/2006 3:25:00 PM	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	< 0.121	0.121		mg/L	11/17/2006 3:25:00 PM	
TPH (Oil Range)	< 0.101	0.101		mg/L	11/17/2006 3:25:00 PM	
METALS IN WATER BY ICP, TOTALS	SW6010B					STS
Arsenic	< 0.0100	0.010		mg/L	11/21/2006 10:26:03 PM	
Barium	0.589	0.010		mg/L	11/21/2006 10:26:03 PM	
Cadmium	< 0.00100	0.001		mg/L	11/21/2006 10:26:03 PM	
Lead	< 0.00500	0.005		mg/L	11/21/2006 10:26:03 PM	
Strontium	0.426	0.010		mg/L	11/21/2006 10:26:03 PM	
BTEX IN WATER BY GC	SW8021B					SBH
Benzene	< 0.00500	0.005		mg/L	11/17/2006 7:52:00 PM	
Ethylbenzene	< 0.00500	0.005		mg/L	11/17/2006 7:52:00 PM	
Toluene	< 0.00500	0.005		mg/L	11/17/2006 7:52:00 PM	
Xylenes, Total	< 0.0150	0.015		mg/L	11/17/2006 7:52:00 PM	
Surr: alpha, alpha, alpha-Trifluorotoluene	98.4	70-130		%REC	11/17/2006 7:52:00 PM	
TFT (TPH-G SURROGATE)	SW8015B					SBH
Surr: alpha, alpha, alpha-trifluorotoluene	106	70-130		%REC	11/17/2006 7:52:00 PM	
TPH (GASOLINE RANGE)	SW8015B					SBH
TPH (Gasoline Range)	< 0.150	0.150		mg/L	11/17/2006 7:52:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time

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CLIENT: ICON Environmental Services
Lab Order: L06110693
Project: VPSB- White Lake

Date Received: 11/16/2006
Date Reported: 18-Dec-06

Lab ID L06110693-06 **Collection Date:** 11/10/2006 3:15:00 P **Sample ID:** AB-6
Matrix: AQUEOUS **Tag Number:**

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
TOTAL DISSOLVED SOLIDS	E160.1					PM
Total Dissolved Solids (Residue, Filterable)	4,840	100		mg/L	11/17/2006 3:15:00 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	71.9	30-148		%REC	11/17/2006 3:32:00 PM	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	0.185	0.122		mg/L	11/17/2006 3:32:00 PM	
TPH (Oil Range)	0.163	0.102		mg/L	11/17/2006 3:32:00 PM	
METALS IN WATER BY ICP, TOTALS	SW6010B					STS
Arsenic	0.012	0.010		mg/L	11/21/2006 10:30:36 PM	
Barium	2.13	0.010		mg/L	11/21/2006 10:30:36 PM	
Cadmium	< 0.00100	0.001		mg/L	11/21/2006 10:30:36 PM	
Lead	< 0.00500	0.005		mg/L	11/21/2006 10:30:36 PM	
Strontium	5.68	1.00		mg/L	11/28/2006 9:52:40 PM	
BTEX IN WATER BY GC	SW8021B					SBH
Benzene	< 0.00500	0.005		mg/L	11/17/2006 8:17:00 PM	
Ethylbenzene	< 0.00500	0.005		mg/L	11/17/2006 8:17:00 PM	
Toluene	< 0.00500	0.005		mg/L	11/17/2006 8:17:00 PM	
Xylenes, Total	< 0.0150	0.015		mg/L	11/17/2006 8:17:00 PM	
Surr: alpha, alpha, alpha-Trifluorotoluene	95.8	70-130		%REC	11/17/2006 8:17:00 PM	
TFT (TPH-G SURROGATE)	SW8015B					SBH
Surr: alpha,alpha,alpha-trifluorotoluene	101	70-130		%REC	11/17/2006 8:17:00 PM	
TPH (GASOLINE RANGE)	SW8015B					SBH
TPH (Gasoline Range)	< 0.150	0.150		mg/L	11/17/2006 8:17:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time

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CLIENT: ICON Environmental Services

Lab Order: L06110693

Date Received: 11/16/2006

Project: VPSB- White Lake

Date Reported: 18-Dec-06

Lab ID L06110693-07 **Collection Date:** 11/10/2006 9:55:00 A **Sample ID:** AB-2

Matrix: AQUEOUS

Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
TOTAL DISSOLVED SOLIDS	E160.1					PM
Total Dissolved Solids (Residue, Filterable)	3,780	100		mg/L	11/17/2006 3:15:00 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	80.9	30-148		%REC	11/17/2006 3:38:00 PM	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	< 0.120	0.120		mg/L	11/17/2006 3:38:00 PM	
TPH (Oil Range)	< 0.100	0.100		mg/L	11/17/2006 3:38:00 PM	
METALS IN WATER BY ICP, TOTALS	SW6010B					STS
Arsenic	0.015	0.010		mg/L	11/21/2006 10:34:49 PM	
Barium	0.670	0.010		mg/L	11/21/2006 10:34:49 PM	
Cadmium	0.001	0.001		mg/L	11/21/2006 10:34:49 PM	
Lead	0.01	0.005		mg/L	11/21/2006 10:34:49 PM	
Strontium	1.06	1.00		mg/L	11/28/2006 9:56:56 PM	
BTEX IN WATER BY GC	SW8021B					SBH
Benzene	< 0.00500	0.005		mg/L	11/17/2006 8:41:00 PM	
Ethylbenzene	< 0.00500	0.005		mg/L	11/17/2006 8:41:00 PM	
Toluene	< 0.00500	0.005		mg/L	11/17/2006 8:41:00 PM	
Xylenes, Total	< 0.0150	0.015		mg/L	11/17/2006 8:41:00 PM	
Surr: alpha, alpha, alpha-Trifluorotoluene	95.4	70-130		%REC	11/17/2006 8:41:00 PM	
TFT (TPH-G SURROGATE)	SW8015B					SBH
Surr: alpha,alpha,alpha-trifluorotoluene	99.0	70-130		%REC	11/17/2006 8:41:00 PM	
TPH (GASOLINE RANGE)	SW8015B					SBH
TPH (Gasoline Range)	< 0.150	0.150		mg/L	11/17/2006 8:41:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time

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CLIENT: ICON Environmental Services
Lab Order: L06110693
Project: VPSB- White Lake

Date Received: 11/16/2006
Date Reported: 18-Dec-06

Lab ID L06110693-08 **Collection Date:** 11/10/2006 7:50:00 A **Sample ID:** AB-1
Matrix: AQUEOUS **Tag Number:**

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
TOTAL DISSOLVED SOLIDS	E160.1					PM
Total Dissolved Solids (Residue, Filterable)	1,680	20.0		mg/L	11/17/2006 3:15:00 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	94.1	30-148		%REC	11/17/2006 3:45:00 PM	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	< 0.121	0.121		mg/L	11/17/2006 3:45:00 PM	
TPH (Oil Range)	< 0.101	0.101		mg/L	11/17/2006 3:45:00 PM	
METALS IN WATER BY ICP, TOTALS	SW6010B					STS
Arsenic	0.021	0.010		mg/L	11/21/2006 10:39:04 PM	
Barium	0.509	0.010		mg/L	11/21/2006 10:39:04 PM	
Cadmium	0.001	0.001		mg/L	11/21/2006 10:39:04 PM	
Lead	0.007	0.005		mg/L	11/21/2006 10:39:04 PM	
Strontium	0.691	0.010		mg/L	11/21/2006 10:39:04 PM	
BTEX IN WATER BY GC	SW8021B					SBH
Benzene	< 0.00500	0.005		mg/L	11/17/2006 9:05:00 PM	
Ethylbenzene	< 0.00500	0.005		mg/L	11/17/2006 9:05:00 PM	
Toluene	< 0.00500	0.005		mg/L	11/17/2006 9:05:00 PM	
Xylenes, Total	< 0.0150	0.015		mg/L	11/17/2006 9:05:00 PM	
Surr: alpha, alpha, alpha-Trifluorotoluene	102	70-130		%REC	11/17/2006 9:05:00 PM	
TFT (TPH-G SURROGATE)	SW8015B					SBH
Surr: alpha,alpha,alpha-trifluorotoluene	105	70-130		%REC	11/17/2006 9:05:00 PM	
TPH (GASOLINE RANGE)	SW8015B					SBH
TPH (Gasoline Range)	< 0.150	0.150		mg/L	11/17/2006 9:05:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time

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CLIENT: ICON Environmental Services
Lab Order: L06110693
Project: VPSB- White Lake

Date Received: 11/16/2006
Date Reported: 18-Dec-06

Lab ID L06110693-09 **Collection Date:** 11/10/2006 2:00:00 P **Sample ID:** AB-19
Matrix: AQUEOUS **Tag Number:**

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
TOTAL DISSOLVED SOLIDS	E160.1					PM
Total Dissolved Solids (Residue, Filterable)	3,700	100		mg/L	11/17/2006 3:15:00 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	85.5	30-148		%REC	11/17/2006 3:51:00 PM	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	< 0.121	0.121		mg/L	11/17/2006 3:51:00 PM	
TPH (Oil Range)	0.156	0.101		mg/L	11/17/2006 3:51:00 PM	
METALS IN WATER BY ICP, TOTALS	SW6010B					STS
Arsenic	< 0.0100	0.010		mg/L	11/21/2006 10:43:35 PM	
Barium	1.06	0.010		mg/L	11/21/2006 10:43:35 PM	
Cadmium	0.001	0.001		mg/L	11/21/2006 10:43:35 PM	
Lead	< 0.00500	0.005		mg/L	11/21/2006 10:43:35 PM	
Strontium	1.47	1.00		mg/L	11/28/2006 10:01:09 PM	
BTEX IN WATER BY GC	SW8021B					SBH
Benzene	< 0.00500	0.005		mg/L	11/17/2006 9:29:00 PM	
Ethylbenzene	< 0.00500	0.005		mg/L	11/17/2006 9:29:00 PM	
Toluene	< 0.00500	0.005		mg/L	11/17/2006 9:29:00 PM	
Xylenes, Total	< 0.0150	0.015		mg/L	11/17/2006 9:29:00 PM	
Surr: alpha, alpha, alpha-Trifluorotoluene	102	70-130		%REC	11/17/2006 9:29:00 PM	
TFT (TPH-G SURROGATE)	SW8015B					SBH
Surr: alpha,alpha,alpha-trifluorotoluene	105	70-130		%REC	11/17/2006 9:29:00 PM	
TPH (GASOLINE RANGE)	SW8015B					SBH
TPH (Gasoline Range)	< 0.150	0.150		mg/L	11/17/2006 9:29:00 PM	

Qualifiers:

+DO - Diluted out due to dilution	S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

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(800) 737-2378

CLIENT: ICON Environmental Services
Lab Order: L06110693
Project: VPSB- White Lake

Date Received: 11/16/2006
Date Reported: 18-Dec-06

Lab ID L06110693-10 **Collection Date:** 11/10/2006 11:50:00 A **Sample ID:** AB-3
Matrix: AQUEOUS **Tag Number:**

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
TOTAL DISSOLVED SOLIDS	E160.1					PM
Total Dissolved Solids (Residue, Filterable)	3,740	100		mg/L	11/17/2006 3:15:00 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	92.3	30-148		%REC	11/17/2006 3:58:00 PM	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	< 0.122	0.122		mg/L	11/17/2006 3:58:00 PM	
TPH (Oil Range)	< 0.102	0.102		mg/L	11/17/2006 3:58:00 PM	
METALS IN WATER BY ICP, TOTALS	SW6010B					STS
Arsenic	< 0.0100	0.010		mg/L	11/21/2006 10:56:35 PM	
Barium	1.52	0.010		mg/L	11/21/2006 10:56:35 PM	
Cadmium	0.001	0.001		mg/L	11/21/2006 10:56:35 PM	
Lead	0.011	0.005		mg/L	11/21/2006 10:56:35 PM	
Strontium	1.68	1.00		mg/L	11/28/2006 10:05:22 PM	
BTEX IN WATER BY GC	SW8021B					SBH
Benzene	< 0.00500	0.005		mg/L	11/17/2006 9:54:00 PM	
Ethylbenzene	< 0.00500	0.005		mg/L	11/17/2006 9:54:00 PM	
Toluene	< 0.00500	0.005		mg/L	11/17/2006 9:54:00 PM	
Xylenes, Total	< 0.0150	0.015		mg/L	11/17/2006 9:54:00 PM	
Surr: alpha, alpha, alpha-Trifluorotoluene	99.6	70-130		%REC	11/17/2006 9:54:00 PM	
TFT (TPH-G SURROGATE)	SW8015B					SBH
Surr: alpha,alpha,alpha-trifluorotoluene	102	70-130		%REC	11/17/2006 9:54:00 PM	
TPH (GASOLINE RANGE)	SW8015B					SBH
TPH (Gasoline Range)	< 0.150	0.150		mg/L	11/17/2006 9:54:00 PM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
* - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time

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CLIENT: ICON Environmental Services
Lab Order: L06110693
Project: VPSB- White Lake

Date Received: 11/16/2006
Date Reported: 18-Dec-06

Lab ID L06110693-11 **Collection Date:** 11/10/2006
Matrix: AQUEOUS

Sample ID: ABD-01
Tag Number:

<u>Analyses</u>	<u>Result</u>	<u>Detection Limit</u>	<u>Qual</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Analyst</u>
TOTAL DISSOLVED SOLIDS	E160.1					PM
Total Dissolved Solids (Residue, Filterable)	4,190	100		mg/L	11/17/2006 3:15:00 AM	
N-PENTACOSANE (TPH-D/O SURROGATE)	SW8015B					SBH
Surr: n-Pentacosane	73.4	30-148		%REC	11/21/2006 5:23:00 PM	
TPH BY GC/FID	SW8015B					SBH
TPH (Diesel Range)	0.171	0.124		mg/L	11/21/2006 5:23:00 PM	
TPH (Oil Range)	0.162	0.103		mg/L	11/21/2006 5:23:00 PM	
METALS IN WATER BY ICP, TOTALS	SW6010B					STS
Arsenic	0.011	0.010		mg/L	11/21/2006 11:00:46 PM	
Barium	2.14	0.010		mg/L	11/21/2006 11:00:46 PM	
Cadmium	0.001	0.001		mg/L	11/21/2006 11:00:46 PM	
Lead	< 0.00500	0.005		mg/L	11/21/2006 11:00:46 PM	
Strontium	5.39	1.00		mg/L	11/28/2006 10:09:32 PM	
BTEX IN WATER BY GC	SW8021B					SBH
Benzene	< 0.00500	0.005		mg/L	11/18/2006 12:43:00 AM	
Ethylbenzene	< 0.00500	0.005		mg/L	11/18/2006 12:43:00 AM	
Toluene	< 0.00500	0.005		mg/L	11/18/2006 12:43:00 AM	
Xylenes, Total	< 0.0150	0.015		mg/L	11/18/2006 12:43:00 AM	
Surr: alpha, alpha, alpha-Trifluorotoluene	87.2	70-130		%REC	11/18/2006 12:43:00 AM	
TFT (TPH-G SURROGATE)	SW8015B					SBH
Surr: alpha,alpha,alpha-trifluorotoluene	94.0	70-130		%REC	11/18/2006 12:43:00 AM	
TPH (GASOLINE RANGE)	SW8015B					SBH
TPH (Gasoline Range)	< 0.150	0.150		mg/L	11/18/2006 12:43:00 AM	

Qualifiers: +DO - Diluted out due to dilution S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank MI+ - Matrix Interference
 * - Value exceeds MCL or Permit Limitation H - Exceeds Holding Time

Sherry Laboratories/Louisiana

Date: 20-Dec-06

CLIENT: ICON Environmental Services
 Work Order: L06110693
 Project: VPSB- White Lake

QC SUMMARY REPORT
 Method Blank

Sample ID: MBLK	Batch ID: 6596	Test Code: SW6010B	Units: mg/L	Analysis Date: 11/21/2006 9:47:09 PM	Prep Date:						
Client ID:	Run ID: I2-OPTIMA_061121C	SeqNo: 754150									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.010	0.010									
Barium	< 0.010	0.010									
Cadmium	< 0.0010	0.0010									
Lead	< 0.0050	0.0050									
Strontium	< 0.010	0.010									

Sample ID: BLK ACID	Batch ID: R49970	Test Code: SW8021B	Units: mg/L	Analysis Date: 11/17/2006 5:26:00 PM	Prep Date:						
Client ID:	Run ID: G1_061117A	SeqNo: 751472									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	< 0.0050	0.0050									
Ethylbenzene	< 0.0050	0.0050									
Toluene	< 0.0050	0.0050									
Xylenes, Total	< 0.015	0.015									
Surr: alpha, alpha, alpha-Trifluorotolu	0.0388	0	0.05	0	77.6	70	130	0			

Sample ID: BLK 11-17 W	Batch ID: 6591	Test Code: SW8015B	Units: %	Analysis Date: 11/17/2006 2:53:00 PM	Prep Date: 11/17/2006						
Client ID:	Run ID: G2_061117B	SeqNo: 751414									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	485.1	0	500	0	97	30	148	0			

Sample ID: MB-R50486	Batch ID: R50486	Test Code: E160.1	Units: mg/L	Analysis Date: 11/17/2006 3:15:00 AM	Prep Date:						
Client ID:	Run ID: MAN1-WC_061117N	SeqNo: 762473									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	< 20	20									

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

QC SUMMARY REPORT

Method Blank

CLIENT: ICON Environmental Services
 Work Order: L06110693
 Project: VPSB- White Lake

Sample ID: BLK ACID Batch ID: R49971 Test Code: SW8015B Units: % Analysis Date 11/17/2006 5:26:00 PM Prep Date:
 Client ID: Run ID: G1_061117B SeqNo: 751498

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: alpha,alpha,alpha-trifluorotoluene	0.0436	0	0.05	0	87.2	70	130	0			

Sample ID: BLK 11-17 W Batch ID: 6591 Test Code: SW8015B Units: mg/L Analysis Date 11/17/2006 2:53:00 PM Prep Date: 11/17/2006
 Client ID: Run ID: G2_061117B SeqNo: 751385

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	< 0.12	0.12									
TPH (Oil Range)	< 0.10	0.10									

Sample ID: BLK ACID Batch ID: R49971 Test Code: SW8015B Units: mg/L Analysis Date 11/17/2006 5:26:00 PM Prep Date:
 Client ID: Run ID: G1_061117B SeqNo: 751475

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline Range)	< 0.15	0.15									

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

Sherry Laboratories/Louisiana

Date: 20-Dec-06

CLIENT: ICON Environmental Services
 Work Order: L06110693
 Project: VPSB- White Lake

QC SUMMARY REPORT
 Sample Duplicate

Sample ID: L06110696-01BDU Batch ID: R50486 Test Code: E160.1 Units: mg/L Analysis Date 11/17/2006 3:15:00 AM Prep Date:
 Client ID: Run ID: MAN1-WC_061117N SeqNo: 762490
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Total Dissolved Solids (Residue, Filtera) 320 20 0 0 0 0 0 397 21.5 20 R

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

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

B - Analyte detected in the associated Method Blank
 3

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Date: 20-Dec-06

CLIENT: ICON Environmental Services
 Work Order: L06110693
 Project: VPSB- White Lake

QC SUMMARY REPORT
 Sample Matrix Spike

Sample ID: L06110693-11DMS Batch ID: 6596 Test Code: SW6010B Units: mg/L Analysis Date 11/21/2006 11:04:58 P Prep Date: 11/17/2006
 Client ID: ABD-01 Run ID: I2-OPTIMA_061121C SeqNo: 754164

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5613	0.010	0.5	0.01107	110	75	125	0			
Barium	2.62	0.010	0.5	2.138	96.5	75	125	0			
Cadmium	0.5329	0.0010	0.5	0.001303	106	75	125	0			
Lead	0.4883	0.0050	0.5	0	97.7	75	125	0			

Sample ID: L06110693-11DMS Batch ID: 6596 Test Code: SW6010B Units: mg/L Analysis Date 11/21/2006 11:09:13 P Prep Date: 11/17/2006
 Client ID: ABD-01 Run ID: I2-OPTIMA_061121C SeqNo: 754165

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5517	0.010	0.5	0.01107	108	75	125	0.5613	1.71	20	
Barium	2.63	0.010	0.5	2.138	98.4	75	125	2.62	0.362	20	
Cadmium	0.5351	0.0010	0.5	0.001303	107	75	125	0.5329	0.418	20	
Lead	0.4873	0.0050	0.5	0	97.5	75	125	0.4883	0.206	20	

Sample ID: L06110693-11DMS Batch ID: 6596 Test Code: SW6010B Units: mg/L Analysis Date 11/28/2006 10:22:32 P Prep Date: 11/17/2006
 Client ID: ABD-01 Run ID: I2-OPTIMA_061128A SeqNo: 756254

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Strontium	6.013	1.0	0.5	5.393	124	75	125	0			

Sample ID: L06110693-11DMS Batch ID: 6596 Test Code: SW6010B Units: mg/L Analysis Date 11/28/2006 10:26:43 P Prep Date: 11/17/2006
 Client ID: ABD-01 Run ID: I2-OPTIMA_061128A SeqNo: 756255

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Strontium	5.953	1.0	0.5	5.393	112	75	125	6.013	1	20	

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

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

B - Analyte detected in the associated Method Blank
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Sherry Laboratories/Louisiana

Date: 20-Dec-06

CLIENT: ICON Environmental Services
 Work Order: L06110693
 Project: VPSB- White Lake

QC SUMMARY REPORT
 Laboratory Control Spike - generic

Sample ID: LCS LOT # 06D28 Batch ID: 6596 Test Code: SW6010B Units: mg/L Analysis Date 11/21/2006 9:51:20 PM Prep Date:
 Client ID: Run ID: I2-OPTIMA_061121C SeqNo: 754151

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4688	0.010	0.5	0	93.8	75	125	0			
Barium	0.4721	0.010	0.5	0	94.4	75	125	0			
Cadmium	0.4726	0.0010	0.5	0	94.5	75	125	0			
Lead	0.4693	0.0050	0.5	0	93.9	75	125	0			
Strontium	0.4724	0.010	0.5	0	94.5	75	125	0			

Sample ID: LCSD LOT # 06D2 Batch ID: 6596 Test Code: SW6010B Units: mg/L Analysis Date 11/21/2006 10:04:45 P Prep Date:
 Client ID: Run ID: I2-OPTIMA_061121C SeqNo: 754152

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4749	0.010	0.5	0	95	75	125	0.4688	1.28	20	
Barium	0.4764	0.010	0.5	0	95.3	75	125	0.4721	0.9	20	
Cadmium	0.4774	0.0010	0.5	0	95.5	75	125	0.4726	0.999	20	
Lead	0.472	0.0050	0.5	0	94.4	75	125	0.4693	0.563	20	
Strontium	0.4701	0.010	0.5	0	94	75	125	0.4724	0.504	20	

Sample ID: LCS BTEX/MTBE Batch ID: R49970 Test Code: SW8021B Units: mg/L Analysis Date 11/17/2006 2:36:00 PM Prep Date:
 Client ID: Run ID: G1_061117A SeqNo: 751470

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.0456	0.0050	0.05	0	91.2	70	130	0			
Ethylbenzene	0.0488	0.0050	0.05	0	97.6	70	130	0			
Toluene	0.0477	0.0050	0.05	0	95.4	70	130	0			
Xylenes, Total	0.1462	0.015	0.15	0	97.5	70	130	0			
Surr: alpha, alpha, alpha-Trifluorotolu	0.0437	0	0.05	0	87.4	70	130	0			

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

CLIENT: ICON Environmental Services
 Work Order: L06110693
 Project: VPSB- White Lake

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID: LCSD BTEX/MTB	Batch ID: R49970	Test Code: SW8021B	Units: mg/L	Analysis Date 11/17/2006 3:00:00 PM	Prep Date:						
Client ID:	Run ID: G1_061117A	SeqNo: 751471									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.0452	0.0050	0.05	0	90.4	70	130	0.0456	0.881	20	
Ethylbenzene	0.0478	0.0050	0.05	0	95.6	70	130	0.0488	2.07	20	
Toluene	0.0469	0.0050	0.05	0	93.8	70	130	0.0477	1.69	20	
Xylenes, Total	0.1442	0.015	0.15	0	96.1	70	130	0.1462	1.38	20	
Surr: alpha, alpha, alpha-Trifluorotolu	0.0524	0	0.05	0	105	70	130	0.0437	18.1	20	

Sample ID: LCS-D 11-17 W	Batch ID: 6591	Test Code: SW8015B	Units: %	Analysis Date 11/17/2006 2:20:00 PM	Prep Date: 11/17/2006						
Client ID:	Run ID: G2_061117B	SeqNo: 751410									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	397.8	0	500	0	79.6	30	148	0			

Sample ID: LCSD-D 11-17 W	Batch ID: 6591	Test Code: SW8015B	Units: %	Analysis Date 11/17/2006 2:27:00 PM	Prep Date: 11/17/2006						
Client ID:	Run ID: G2_061117B	SeqNo: 751411									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	466.1	0	500	0	93.2	30	148	0			

Sample ID: LCS-MO 11-17 W	Batch ID: 6591	Test Code: SW8015B	Units: %	Analysis Date 11/17/2006 2:33:00 PM	Prep Date: 11/17/2006						
Client ID:	Run ID: G2_061117B	SeqNo: 751412									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	431.1	0	500	0	86.2	30	148	0			

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

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

B - Analyte detected in the associated Method Blank
 6

CLIENT: ICON Environmental Services
 Work Order: L06110693
 Project: VPSB- White Lake

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

Sample ID: LCSD-MO 11-17	Batch ID: 6591	Test Code: SW8015B	Units: %	Analysis Date: 11/17/2006 2:40:00 PM	Prep Date: 11/17/2006						
Client ID:		Run ID: G2_061117B		SeqNo: 751413							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: n-Pentacosane	510.8	0	500	0	102	30	148	0			

Sample ID: LCS-R50486	Batch ID: R50486	Test Code: E160.1	Units: mg/L	Analysis Date: 11/17/2006 3:15:00 AM	Prep Date:						
Client ID:		Run ID: MAN1-WC_061117N		SeqNo: 762474							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	1891	20	2060	0	91.8	85	115	0			

Sample ID: LCS-R50486DUP	Batch ID: R50486	Test Code: E160.1	Units: mg/L	Analysis Date: 11/17/2006 3:15:00 AM	Prep Date:						
Client ID:		Run ID: MAN1-WC_061117N		SeqNo: 762489							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	1946	20	2060	0	94.5	85	115	1891	2.87	20	

Sample ID: LCS-D 11-17 W	Batch ID: 6591	Test Code: SW8015B	Units: mg/L	Analysis Date: 11/17/2006 2:20:00 PM	Prep Date: 11/17/2006						
Client ID:		Run ID: G2_061117B		SeqNo: 751381							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	2.218	0.12	3	0	73.9	50	130	0			

Sample ID: LCSD-D 11-17 W	Batch ID: 6591	Test Code: SW8015B	Units: mg/L	Analysis Date: 11/17/2006 2:27:00 PM	Prep Date: 11/17/2006						
Client ID:		Run ID: G2_061117B		SeqNo: 751382							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Diesel Range)	2.668	0.12	3	0	88.9	50	130	2.218	18.4	40	

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

CLIENT: ICON Environmental Services
Work Order: L06110693
Project: VPSB- White Lake

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS-MO 11-17 W Batch ID: 6591 Test Code: SW8015B Units: mg/L Analysis Date 11/17/2006 2:33:00 PM Prep Date: 11/17/2006
 Client ID: Run ID: G2_061117B SeqNo: 751383

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	2.419	0.10	3	0	80.6	50	130	0			

Sample ID: LCSD-MO 11-17 Batch ID: 6591 Test Code: SW8015B Units: mg/L Analysis Date 11/17/2006 2:40:00 PM Prep Date: 11/17/2006
 Client ID: Run ID: G2_061117B SeqNo: 751384

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Oil Range)	2.643	0.10	3	0	88.1	50	130	2.419	8.87	40	

Sample ID: LCS 12.5 PPM GA Batch ID: R49971 Test Code: SW8015B Units: mg/L Analysis Date 11/17/2006 3:49:00 PM Prep Date:
 Client ID: Run ID: G1_061117B SeqNo: 751473

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline Range)	14.19	0.15	12.5	0	113	70	130	0			

Sample ID: LCSD12.5 PPM G Batch ID: R49971 Test Code: SW8015B Units: mg/L Analysis Date 11/17/2006 4:13:00 PM Prep Date:
 Client ID: Run ID: G1_061117B SeqNo: 751474

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (Gasoline Range)	13.74	0.15	12.5	0	110	70	130	14.19	3.24	20	

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

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

B - Analyte detected in the associated Method Blank
 8



**CORRECTED
REPORT**

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Case Narrative for:
SHERRY LABORATORIES

Certificate of Analysis Number:
06110688

<u>Report To:</u> SHERRY LABORATORIES ANNIE REEDY 2417 WEST PINHOOK RD. LAFAYETTE LA 70508- ph: (337) 235-0483 fax:	<u>Project Name:</u> L06110693 <u>Site:</u> SHERRY LABS <u>Site Address:</u> <u>PO Number:</u> <u>State:</u> Louisiana <u>State Cert. No.:</u> 02048 <u>Date Reported:</u> 12/27/2006
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NOTE: THIS REPORT HAS BEEN AMENDED FROM THE ORIGINAL. THIS REPORT REPLACES IN ITS ENTIRETY ANY PREVIOUSLY SUBMITTED COPY. The chloride result for sample B-7 was originally reported incorrectly.

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

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

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

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

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

TOTAL NUMBER OF PAGES IN THIS REPORT: 19 PAGES

Ralph E. Frye
Project Manager

06110688 Page 1
12/28/2006

Date

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



**CORRECTED
REPORT**

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

SHERRY LABORATORIES

Certificate of Analysis Number:

06110688

Report To: SHERRY LABORATORIES
ANNIE REEDY
2417 WEST PINHOOK RD.

LAFAYETTE
LA

70508-

ph: (337) 235-0483

fax: (337) 233-6540

Project Name: L06110693

Site: SHERRY LABS

Site Address:

PO Number:

State: Louisiana

State Cert. No.: 02048

Date Reported: 12/27/2006

Fax To:

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
B-7	06110688-01	Water	11/13/2006 1:30:00 PM	11/17/2006 10:35:00 AM		<input type="checkbox"/>
B-5	06110688-02	Water	11/13/2006 12:30:00 PM	11/17/2006 10:35:00 AM		<input type="checkbox"/>
B-15	06110688-03	Water	11/13/2006 2:45:00 PM	11/17/2006 10:35:00 AM		<input type="checkbox"/>
WW-1	06110688-04	Water	11/14/2006 10:40:00 AM	11/17/2006 10:35:00 AM		<input type="checkbox"/>
WW-2	06110688-05	Water	11/14/2006 11:25:00 AM	11/17/2006 10:35:00 AM		<input type="checkbox"/>
B-6	06110688-06	Water	11/10/2006 3:15:00 PM	11/17/2006 10:35:00 AM		<input type="checkbox"/>
B-2	06110688-07	Water	11/10/2006 9:55:00 AM	11/17/2006 10:35:00 AM		<input type="checkbox"/>
B-1	06110688-08	Water	11/10/2006 7:50:00 AM	11/17/2006 10:35:00 AM		<input type="checkbox"/>
B-19	06110688-09	Water	11/10/2006 2:00:00 PM	11/17/2006 10:35:00 AM		<input type="checkbox"/>
B-3	06110688-10	Water	11/10/2006 11:50:00 AM	11/17/2006 10:35:00 AM		<input type="checkbox"/>
BD-01	06110688-11	Water	11/10/2006	11/17/2006 10:35:00 AM		<input type="checkbox"/>

Ralph E. Frye
ProjectManager

12/28/2006

Date

Ron Benjamin
LaboratoryDirector

Tristan Davis
Quality Assurance Officer



LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Client Sample ID: B-5 Collected: 11/13/2006 12:30 SPL Sample ID: 06110688-02

Site: SHERRY LABS

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
LDNR LEACHABLE CHLORIDES ANALYSIS VIA SW846 9253				MCL	SW9253	Units: mg/L	
Chloride	14400		5	1	11/27/06 8:00	PFB	2039464

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Client Sample ID: B-15 Collected: 11/13/2006 14:45 SPL Sample ID: 06110688-03

Site: SHERRY LABS

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
LDNR LEACHABLE CHLORIDES ANALYSIS VIA SW846 9253				MCL	SW9253	Units: mg/L	
Chloride	7630		5	1	11/27/06 8:00	PFB	2039465

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Client Sample ID: WW-2

Collected: 11/14/2006 11:25 SPL Sample ID: 06110688-05

Site: SHERRY LABS

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
LDNR LEACHABLE CHLORIDES ANALYSIS VIA SW846 9253				MCL	SW9253	Units: mg/L	
Chloride	284		5	1	11/27/06 8:00	PFB	2039467

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: B-19 Collected: 11/10/2006 14:00 SPL Sample ID: 06110688-09

Site: SHERRY LABS

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
LDNR LEACHABLE CHLORIDES ANALYSIS VIA SW846 9253				MCL	SW9253	Units: mg/L	
Chloride	3020		5	1	11/27/06 8:00	PFB	2039471

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Quality Control Documentation



Quality Control Report

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

SHERRY LABORATORIES

L06110693

Analysis: LDNR Leachable Chlorides Analysis via SW846 9253
Method: SW9253

WorkOrder: 06110688
Lab Batch ID: R141077

Method Blank

RunID: WET_061127Q-2039461 Units: mg/L
Analysis Date: 11/27/20068:00 Analyst: PFB

Samples in Analytical Batch:

Table with 2 columns: Lab Sample ID, Client Sample ID. Lists samples 06110688-01A through 06110688-10A with corresponding client IDs B-7 through B-3.

Table with 3 columns: Analyte, Result, Rep Limit. Row for Chloride with Result ND and Rep Limit 5.0.

Laboratory Control Sample (LCS)

RunID: WET_061127Q-2039462 Units: mg/L
Analysis Date: 11/27/20068:00 Analyst: PFB

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Row for Chloride with values 150.0, 152.6, 101.7, 90, 110.

Sample Duplicate

OriginalSample: 06110688-10
RunID: WET_061127Q-2039472 Units: mg/L
Analysis Date: 11/27/20068:00 Analyst: PFB

Table with 5 columns: Analyte, Sample Result, DUP Result, RPD, RPD Limit. Row for Chloride with values 2660, 2840, 6.47, 20.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

SHERRY LABORATORIES

L06110693

Analysis: LDNR Leachable Chlorides Analysis via SW846 9253
Method: SW9253

WorkOrder: 06110688
Lab Batch ID: R141078

Method Blank

Samples in Analytical Batch:

RunID: WET_061127R-2039475 Units: mg/L
Analysis Date: 11/27/2006 12:00 Analyst: PFB

Lab Sample ID: 06110688-11A Client Sample ID: BD-01

Table with 3 columns: Analyte, Result, Rep Limit. Row: Chloride, ND, 5.0

Laboratory Control Sample (LCS)

RunID: WET_061127R-2039476 Units: mg/L
Analysis Date: 11/27/2006 12:00 Analyst: PFB

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Row: Chloride, 150.0, 150.9, 100.6, 90, 110

Sample Duplicate

OriginalSample: 06110688-11
RunID: WET_061127R-2039477 Units: mg/L
Analysis Date: 11/27/2006 12:00 Analyst: PFB

Table with 5 columns: Analyte, Sample Result, DUP Result, RPD, RPD Limit. Row: Chloride, 3900, 3550, 9.52, 20

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

*Sample Receipt Checklist
And
Chain of Custody*



LAFAYETTE LABORATORY
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337)237-4775

Sample Receipt Checklist

Workorder:	06110688	ReceivedBy:	AJB
Date and Time Received:	11/17/2006 10:35:00 AM	Carriername:	Client Drop Off
Temperature:	5°C	Chilled by:	Water Ice

- 1. Shipping container/cooler in good condition? Yes No NotPresent
- 2. Custody seals intact on shipping container/cooler? Yes No NotPresent
- 3. Custody seals intact on sample bottles? Yes No NotPresent
- 4. Chain of custody present? Yes No
- 5. Chain of custody signed when relinquished and received? Yes No
- 6. Chain of custody agrees with sample labels? Yes No
- 7. Samples in proper container/bottle? Yes No
- 8. Sample containers intact? Yes No
- 9. Sufficient sample volume for indicated test? Yes No
- 10. All samples received within holding time? Yes No
- 11. Container/Temp Blank temperature in compliance? Yes No
- 12. Water - VOA vials have zero headspace? Yes No VOA Vials Not Present
- 13. Water - Preservation checked upon receipt (except VOA*)? Yes No NotApplicable

*VOA Preservation Checked After Sample Analysis

SPL Representative:

Contact Date & Time:

Client Name Contacted:

Non Conformance Issues:

Client Instructions:

06110688

CHAIN-OF-CUSTODY RECORD

Sherry Laboratories/Louisiana
2417 West Pinhook Road
Lafayette, LA 70508-3344
(337) 235-0483

Subcontractor:

SPL, Inc
500 Ambassador Caffery Parkway

TEL: (337) 237-4775
FAX: (337) 237-8005

Scott, LA 70583

Acct #:

16-Nov-06

Client Sample ID	Lab ID	Matrix	Collection Date	Bottle Type	Number of Containers	CHLOR	Requested Tests
B-7	L06110693-01B	Aqueous	11/13/2006 1:30:00 PM	8OZHDPEU	1	1	/
B-5	L06110693-02B	Aqueous	11/13/2006 12:30:00 PM	8OZHDPEU	1	1	/
B-15	L06110693-03B	Aqueous	11/13/2006 2:45:00 PM	8OZHDPEU	1	1	/
WW-1	L06110693-04B	Aqueous	11/14/2006 10:40:00 AM	8OZHDPEU	1	1	/
WW-2	L06110693-05B	Aqueous	11/14/2006 11:25:00 AM	8OZHDPEU	1	1	/
B-6	L06110693-06B	Aqueous	11/10/2006 3:15:00 PM	8OZHDPEU	1	1	/
B-2	L06110693-07B	Aqueous	11/10/2006 9:55:00 AM	8OZHDPEU	1	1	/
B-1	L06110693-08B	Aqueous	11/10/2006 7:50:00 AM	8OZHDPEU	1	1	/
B-19	L06110693-09B	Aqueous	11/10/2006 2:00:00 PM	8OZHDPEU	1	1	/
B-3	L06110693-10B	Aqueous	11/10/2006 11:50:00 AM	8OZHDPEU	1	1	/
BD-01	L06110693-11B	Aqueous	11/10/2006	8OZHDPEU	1	1	/

*Client dup
No C.S.
temp = 5.0c
①*

Comments: RUN CHLORIDE BY METHOD 9253

Use Client Sample ID(s) on reports.
Valid LELAP Certification required.

Relinquished by:

Date/Time
11/17/06
11-17-06 10:35-10:35

Received by: *K. J. Mont*
Received by: *A. Beck*

Date/Time
11-17-06/10:10
11/17/06 10:35

Sherry Laboratories - Chain of Custody Record

Laboratory Number: **106110693**

Client Information: **Iron Environmental SCS, Greg Miller, 1059 Convention St., 2nd Floor, Baton Rouge, LA 70802, 225-344-8690 Ext: 225-344-6654**

Billing Information: **PO Number: 9077-041-0800, Quote Number: 9077-041-0800**

Company Name: **Iron Environmental SCS**

Contact Name: **Greg Miller**

Address: **1059 Convention St., 2nd Floor**

City, State Zip: **Baton Rouge, LA 70802**

Phone Number: **225-344-8690**

Fax Number: **225-344-6654**

E-mail Address:

Project Name/Number: **VF58-White Lake**

Matrix Code: **9077-041-0800**

Sampler's Signature: **Matthew S. Miller**

Shipping Method: **UPS / FedEx / Airborne**

Required QC Level: **CL/TOS**

Bill Monthly: Yes No

Ext: **225-344-6654**

Container: **DHL / Sherry Hand / Mail**

Matrix Code Legend:
 DW = Drinking Water
 WW = Waste Water
 GW = Ground Water
 AQ = Aqueous
 SL = Sludge
 O = Oil
 F = Food
 NG = Natural Gas
 NGL = Natural Gas Liquid
 PW = Produced Water
 CF = Completion Fluid
 OT = Other
 SOL = Solid
 SO = Soil
 SW = Swab

Sample ID/Description	Which Regulations Apply: <input type="checkbox"/> RCRA <input type="checkbox"/> POTW <input type="checkbox"/> NPDES <input type="checkbox"/> USDA/FDA <input type="checkbox"/> RECAP/RISC	Turn Time <input type="checkbox"/> Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> Other	(Rush turn times will incur a surcharge and must be pre-approved by lab.)	Collection Information		Quantity	Container Type P=Plastic, G=Glass, V=Vial	Pres. HCl, HNO ₃ , H ₂ SO ₄ , NaOH, Na ₂ S ₂ O ₃	Requested Tests				Comments			
				Date					Total Metals	TPH	DFO	X		X	X	X
				Date	Time											
B-7				11/13/06	1330	Grab	GW	7	P+G	HNO ₃	X	X	X	X	X	As, Bg Cd, Pb Sr
B-5				11/13/06	1230	Grab	GW	7	P+G	HNO ₃	X	X	X	X	X	
B-15				11/13/06	1445	Grab	GW	7	PEG	HNO ₃	X	X	X	X	X	
WW-1				11/14/06	1040	Grab	GW	8	PEG	HNO ₃	X	X	X	X	X	
WW-2				11/14/06	1125	Grab	GW	07	PTG	HNO ₃	X	X	X	X	X	
B-6				11/16/06	1515	Grab	GW	7	PEG	HNO ₃	X	X	X	X	X	
B-2				11/16/06	0955	Grab	GW	7	PEG	HNO ₃	X	X	X	X	X	
B-1				11/16/06	0750	Grab	GW	7	PTG	HNO ₃	X	X	X	X	X	
B-19				11/16/06	14:00	Grab	GW	7	PTG	HNO ₃	X	X	X	X	X	
B-3				11/16/06	11:50	Grab	GW	7	P+G	HNO ₃	X	X	X	X	X	

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:	
				Received at lab on ice?	Temp:
Matthew S. Miller	11/15/06 10:02	Kim Witter	11/15/06 10:02	<input checked="" type="checkbox"/>	
Kim Witter	11/16/06 9:50	Ken Man	11-16-06 9:55	<input checked="" type="checkbox"/>	
Ken Man	11-16-06 1540	J. Brancheau	11-16-06 1540	<input checked="" type="checkbox"/>	

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

9301 Innovation Drive
 Suite 125
 Daleville, IN 47334
 765-378-4103
 Fax: 765-378-4109

629 Washington St.
 Suite 300
 Columbus, IN 47201
 812-375-0531
 Fax: 812-375-0731

5738 Industrial Rd.
 Fort Wayne, IN 46825
 260-471-7000
 Fax: 260-471-7777

2417 W. Pinhook Rd
 Lafayette, LA 70508
 337-235-0483
 Fax: 337-233-6540

2129 Willow Street
 Scott, LA 70583
 337-232-3568
 Fax: 337-232-3621

9/05

Chain of Custody

Yes	No	N/A	Were seals, if present, intact?
Yes	No		Is Chain of Custody complete? If no, please comment below.
			How was the sample delivered? Sherry FedEx UPS Hand Other: _____

Log In

Yes	No	Was an attempt made to cool the samples? Temperature: <u>2.9</u> Ambient
Yes	No	N/A Are samples (except VOA vials) properly preserved? If preservative added to bottles, which bottles? _____
Yes	No	N/A Is the headspace in the VOA vials less than ¼ inch or 6 mm?
Yes	No	N/A Are VOA vials preserved with HCl?
Yes	No	Does paperwork match bottle labels? (Note discrepancies on Chain of Custody)
Yes	No	Are matrices correctly identified on Chain of Custody?
Yes	No	Is it clear what analyses were requested?
Yes	No	Are we able to meet all holding times? (If no, notify customer for authorization.)

Special Handling (if applicable)

Yes	No	N/A Was client notified of all discrepancies with this order? Person notified: _____ Date: _____ Time: _____ By whom? _____ Via: Phone Fax In Person Regarding: _____ Report / Do Not Report
Yes	No	N/A Was other special handling completed? Explain: _____

Notes:

mw-1 only one bottle send for TDS/chloride
lab had to split sample

Customer: Iron Laboratory Work Order # 61101093
Log In Signature: [Signature] Date: 11-16-06 Time: 1540



LAFAYETTE LABORATORY
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Case Narrative for:
SHERRY LABORATORIES

Certificate of Analysis Number:
06110058

<p>Report To:</p> <p>SHERRY LABORATORIES ANNIE REEDY 2417 WEST PINHOOK RD.</p> <p>LAFAYETTE LA 70508- ph: (337) 235-0483 fax:</p>	<p>Project Name: SHERRY LABS-PINHOOK</p> <p>Site: L06100616</p> <p>Site Address:</p> <p>PO Number:</p> <p>State: Louisiana</p> <p>State Cert. No.: 02048</p> <p>Date Reported: 11/7/2006</p>
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Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

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

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

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

TOTAL NUMBER OF PAGES IN THIS REPORT: _____ PAGES

06110058 Page 1
 11/7/2006

Ralph E. Frye
 Project Manager

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

Date



LAFAYETTE LABORATORY
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

SHERRY LABORATORIES

Certificate of Analysis Number:

06110058

Report To: SHERRY LABORATORIES
 ANNIE REEDY
 2417 WEST PINHOOK RD.

LAFAYETTE
 LA

70508-
 ph: (337) 235-0483 fax: (337) 233-6540

Fax To:

Project Name: SHERRY LABS-PINHOOK

Site: L06100616

Site Address:

PO Number:

State: Louisiana

State Cert. No.: 02048

Date Reported: 11/7/2006

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
B-15 (8-11.5)	06110058-01	Leachate	8/9/2006 9:22:00 AM	11/1/2006 4:30:00 PM		<input type="checkbox"/>

Ralph E. Frye
 Project Manager

11/7/2006

Date

Ron Benjamin
 Laboratory Director

Tristan Davis
 Quality Assurance Officer



LAFAYETTE LABORATORY
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Client Sample ID B-15 (8-11.5) Collected: 08/09/2006 9:22 SPL Sample ID: 06110058-01

Site: L06100616

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
LDNR LEACHABLE CHLORIDES ANALYSIS VIA SW846 9253				MCL	SW9253	Units: mg/L	
Chloride	1310		5	1	11/07/06 10:00	PFB	2019371

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

Quality Control Documentation



Quality Control Report

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

SHERRY LABORATORIES

SHERRY LABS-PINHOOK

Analysis: LDNR Leachable Chlorides Analysis via SW846 9253
Method: SW9253

WorkOrder: 06110058
Lab Batch ID: R139763

Method Blank

Samples in Analytical Batch:

RunID: WET_061107J-2019360 Units: mg/L
Analysis Date: 11/07/2006 10:00 Analyst: PFB

Lab Sample ID Client Sample ID
06110058-01A B-15 (8-11.5)

Table with 3 columns: Analyte, Result, Rep Limit. Row: Chloride, ND, 5.0

Laboratory Control Sample (LCS)

RunID: WET_061107J-2019361 Units: mg/L
Analysis Date: 11/07/2006 10:00 Analyst: PFB

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Row: Chloride, 150.0, 147.3, 98.20, 90, 110

Sample Duplicate

Original Sample: 06110058-01
RunID: WET_061107J-2019371 Units: mg/L
Analysis Date: 11/07/2006 10:00 Analyst: PFB

Table with 5 columns: Analyte, Sample Result, DUP Result, RPD, RPD Limit. Row: Chloride, 1310, 1349, 2.63, 20

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

*Sample Receipt Checklist
And
Chain of Custody*



LAFAYETTE LABORATORY
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Sample Receipt Checklist

Workorder:	06110058	Received By:	AJB
Date and Time Received:	11/1/2006 4:30:00 PM	Carrier name:	Client Drop Off
Temperature:	5C°C	Chilled by:	Water Ice

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

*VOA Preservation Checked After Sample Analysis

SPL Representative:

Contact Date & Time:

Client Name Contacted:

Non Conformance Issues:

Client Instructions:

0611058x

Sherry Laboratories/Louisiana

2417 West Pinhook Road
Lafayette, LA 70508-3344
(337) 235-0483

CHAIN-OF-CUSTODY RECORD

Subcontractor:

SPL, Inc
500 Ambassador Caffery Parkway

TEL: (337) 237-4775
FAX: (337) 237-8005

Scott, LA 70583

Acct #:

01-Nov-06

Client Sample ID	Lab ID	Matrix	Collection Date	Bottle Type	Number of Containers	Requested Tests	
						LEACHATE	CHLOR
B-15 (8-11-5)	L06100616-12B	Soil	8/9/2006 9:22:00 AM	2LHDPE	1	1	

*Client dog
NW CS.
Temp = 5.0c
J*

Comments: Sample all ready prep Leachate chloride by 9253

Use Client Sample ID(s) on reports.
Valid LELAP Certification required.

Relinquished by:
Relinquished by:

[Signature]
Date/Time: 11/01/06

Received by:
Received by:

[Signature]
Date/Time: 11/01/06 1:55
[Signature]
Date/Time: 11/01/06 10:50



LAFAYETTE LABORATORY
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Case Narrative for:
SHERRY LABORATORIES

Certificate of Analysis Number:
06110057

<p>Report To:</p> <p>SHERRY LABORATORIES ANNIE REEDY 2417 WEST PINHOOK RD.</p> <p>LAFAYETTE LA 70508- ph: (337) 235-0483 fax:</p>	<p>Project Name: L06100618</p> <p>Site: SHERRY LABS</p> <p>Site Address:</p> <p>PO Number:</p> <p>State: Louisiana</p> <p>State Cert. No.: 02048</p> <p>Date Reported: 11/7/2006</p>
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Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

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

TOTAL NUMBER OF PAGES IN THIS REPORT: _____ PAGES

06110057 Page 1
 11/7/2006

Ralph E. Frye
 Project Manager

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

Date



LAFAYETTE LABORATORY
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

SHERRY LABORATORIES

Certificate of Analysis Number:

06110057

Report To: SHERRY LABORATORIES
 ANNIE REEDY
 2417 WEST PINHOOK RD.

LAFAYETTE
 LA

70508-
 ph: (337) 235-0483 fax: (337) 233-6540

Fax To:

Project Name: L06100618
Site: SHERRY LABS
Site Address:

PO Number:
State: Louisiana

State Cert. No.: 02048

Date Reported: 11/7/2006

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
B-17 (8.5-10.5)	06110057-01	Leachate	8/10/2006 1:00:00 PM	11/1/2006 4:30:00 PM		<input type="checkbox"/>

Ralph E. Frye
 Project Manager

11/7/2006

Date

Ron Benjamin
 Laboratory Director
 Tristan Davis
 Quality Assurance Officer



LAFAYETTE LABORATORY
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Client Sample ID B-17 (8.5-10.5) Collected: 08/10/2006 13:00 SPL Sample ID: 06110057-01

Site: SHERRY LABS

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
LDNR LEACHABLE CHLORIDES ANALYSIS VIA SW846 9253				MCL	SW9253	Units: mg/L	
Chloride	4790		5	1	11/06/06 12:30	PFB	2019320

Qualifiers:

ND/U - Not Detected at the Reporting Limit
 B - Analyte detected in the associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated Value between MDL and PQL
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference

Quality Control Documentation



Quality Control Report

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

SHERRY LABORATORIES

L06100618

Analysis: LDNR Leachable Chlorides Analysis via SW846 9253
Method: SW9253

WorkOrder: 06110057
Lab Batch ID: R139760

Method Blank

Samples in Analytical Batch:

RunID: WET_061106ZI-2019318 Units: mg/L
Analysis Date: 11/06/2006 12:30 Analyst: PFB

Lab Sample ID Client Sample ID
06110057-01A B-17 (8.5-10.5)

Table with 3 columns: Analyte, Result, Rep Limit. Row: Chloride, ND, 5.0

Laboratory Control Sample (LCS)

RunID: WET_061106ZI-2019319 Units: mg/L
Analysis Date: 11/06/2006 12:30 Analyst: PFB

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Row: Chloride, 150.0, 147.3, 98.20, 90, 110

Sample Duplicate

Original Sample: 06110050-14
RunID: WET_061106ZI-2019329 Units: mg/L
Analysis Date: 11/06/2006 12:30 Analyst: PFB

Table with 5 columns: Analyte, Sample Result, DUP Result, RPD, RPD Limit. Row: Chloride, 21.3, 21.3, 0, 20

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated value between MDL and PQL * - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

*Sample Receipt Checklist
And
Chain of Custody*



LAFAYETTE LABORATORY
 500 AMBASSADOR CAFFERY PARKWAY
 SCOTT, LA 70583
 (337) 237-4775

Sample Receipt Checklist

Workorder:	06110057	Received By:	AJB
Date and Time Received:	11/1/2006 4:30:00 PM	Carrier name:	Client Drop Off
Temperature:	5°C	Chilled by:	Water Ice

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

*VOA Preservation Checked After Sample Analysis

SPL Representative:

Contact Date & Time:

Client Name Contacted:

Non Conformance Issues:

Client Instructions:

06110057

Sherry Laboratories/Louisiana

2417 West Pinhook Road
Lafayette, LA 70508-3344
(337) 235-0483

CHAIN-OF-CUSTODY RECORD

Subcontractor:

SPL, Inc
500 Ambassador Caffery Parkway

TEL: (337) 237-4775
FAX: (337) 237-8005

Scott, LA 70583

Acct #:

01-Nov-06

Client Sample ID	Lab ID	Matrix	Collection Date	Bottle Type	Number of Containers	Requested Tests
B-17 (8.5-10.5)	L06100618-03B	Soil	8/10/2006 1:00:00 PM	2LHDPE	1	LEACHATECHLOR

*Client drop
No C's
temp - for 50c*

Comments: Sample all ready prep Leachate chloride by 9253

Use Client Sample ID(s) on reports.
Valid LELAP Certification required.

Relinquished by: *[Signature]* 11/10/06
Date/Time: 11/10/06

Relinquished by: *[Signature]* 11/10/06
Date/Time: 11/10/06

Received by: *[Signature]* 11/10/06
Date/Time: 11/10/06

Received by: *[Signature]* 11/10/06
Date/Time: 11/10/06