



June 02, 2009

Ewelina Mutkowska OTIE 317 East Main Street Ventura, CA 93001-2624

Subject: **Calscience Work Order No.:** 09-05-2222

> Client Reference: Former Raytheon Site, Canaga Park / 2009025

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/26/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental Laboratories, Inc. Virendra Patel

Project Manager





Case Narrative for 09-05-2222

Sample Condition on Receipt

Fifteen (15) samples were received as part of this Work Order on May 26, 2009. All samples were transferred to the laboratory in an ice-chest following strict chain-of-custody procedures. The temperature (4.5 °C) of the samples was measured upon arrival in the laboratory and was within acceptable limits. The samples were logged into the Laboratory Information Management System (LIMS), given laboratory identification numbers, and stored in refrigeration units pending analysis.

Data Summary

The samples included in this report were analyzed in accordance with the attached chain-of custody records.

Holding Times

All holding time requirements were met.

Calibration

Frequency and control criteria for initial and continuing calibration verifications were met.

Blanks

The method blank data showed non-detectable levels for Solids, Total Dissolved.

Sample Duplicate

A sample duplicate has been provided as part of the QC deliverables package. The RPD on the duplicate sample was within acceptable limits.

Matrix Spikes

Matrix Spikes (MS) and Matrix Spike Duplicates (MSD) analyses are not performed for this method.

Laboratory Control Samples

The Laboratory Control Sample (LCS) and LCS Duplicate analyses are not performed for this method.

<u>Surrogates</u>

Surrogate recoveries are not performed for this method.



CALSCIENCE ENVIRONMENTAL LABORATORIES, INC. Sample Summary Report

WORK ORDER #:

09-05-2222

QAPP:

0130

| | Client Sample ID | Matrix | Date Collected | NoC | Comment |
|---|------------------|--------|----------------|-----|---------|
| | CP-0905015 | W | 05/26/2009 | 1 | |
| | CP-0905016 | W | 05/26/2009 | 1 | |
| | CP-0905019 | W | 05/26/2009 | 1 | |
| | CP-0905020 | W | 05/26/2009 | 1 | |
| 5 | CP-0905025 | W | 05/26/2009 | 1 | |
| | CP-0905026 | W | 05/26/2009 | 1 | |
| - | CP-0905007 | W | 05/26/2009 | 11: | |
| 5 | CP-0905008 | W | 05/26/2009 | 1 | |
| 9 | CP-0905003 | W | 05/26/2009 | 1 | |
| 0 | CP-0905004 | W. | 05/26/2009 | . 1 | |
| 1 | CP-0905009 | W. | 05/26/2009 | 1 | |
| 2 | CP-0905010 | W | 05/26/2009 | 1 | |
| 3 | CP-0905011 | W | 05/26/2009 | 1 | |
| 4 | CP-0905012 | W | 05/26/2009 | 1 | |
| 5 | CP-0905027 | W | 05/26/2009 | 1 | |
| | | | | | |
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alscience Environmental WORK ORDER #: 09-05- Page 40 13

Laboratories, Inc. SAMPLE RECEIPT FORM Cooler __f of ____

| TEMPERATURE: (Criteria: 0.0 °C = 6.0 °C, not frozen) Temperature | urier. | □ Sample | |
|-------------------------------------------------------------------------------------------------------|-----------|------------------------|--------|
| CUSTODY SEALS INTACT: Cooler | □ N/A | Initial Initial | 7.11 |
| SAMPLE CONDITION: | Yes | No | N/A |
| Chain-Of-Custody (COC) document(s) received with samples | K | | |
| COC document(s) received complete | Ø | | |
| ☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels. | | | |
| □ COC not relinquished. □ No date relinquished. □ No time relinquished. | 12 | | |
| Sampler's name indicated on COC | × | | |
| Sample container label(s) consistent with COC | A. | | |
| Sample container(s) intact and good condition | | | |
| Correct containers and volume for analyses requested | | | |
| Analyses received within holding time | 1 | | |
| Proper preservation noted on COC or sample container | × | | D |
| ☐ Unpreserved vials received for Volatiles analysis | | | |
| Volatile analysis container(s) free of headspace | | | F |
| Tedlar bag(s) free of condensation | | | 7 |
| CONTAINER TYPE: | | | |
| Solid: □4ozCGJ □8ozCGJ □16ozCGJ □Sleeve □EnCores® □ | TerraCore | s* 🗆 | |
| Water: □VOA □VOAh □VOAna₂ □125AGB □125AGBh □125AGBp | □1AGB □ | J1AGBna ₂ [| 1AGBs |
| | Minn r | 1500PB 🗆 56 | 00PBna |
| □500AGB □500AGJ □500AGJs □250AGB □250CGB □250CGBs | CIPO L | | |
| □500AGB □500AGJ □500AGJs □250AGB □250CGB □250CGBs □250PB □250PBn □125PB □125PBznna □100PB □100PBna₂ □ | | | |

DS/G1/07 Revisio

γĻ p CHAIN OF CUSTODY RECORD 28:F ci (204 62 WS) × 63 200902 HEAT BURNE 0 5-2 COOKER RECEPT Use use overy ADDITION WE SEE TO SEE 60/98/5 5/26/09 REQUESTED ANALYSES DAVE THIS ACT THIS OF ZIE 6 P.O. NO. TEMPS DU25/900/09/ 98999 221 SUBSTITUTE PROPERTY CONSTRUCTION CONSTRUCTION PNAS (8310) or (8210C) 000111000000 PCBs (8082) ž Date (V1900) Septemb SNOCE (BELIEC) (2000) days aucourg guidauren istaoai Z JOHNSON ADC# (stepse) EWELINA SAMPLEPLES (PRINCE) to jacadaj aartwilikisha Hell Secured by Capacian Plants 808 SPHIS WICE-COST WICE-CARD Calscience Environmental Laboratories, Inc. # Darka Packages on Samples (CP. 0905 oot ? 2 OTR-TNSA Species Sp. 200 5063 Commercial Crots, Bulls H general Secalived by: (MATRIC 100 Consort, CA, IM520-8677 (925) 489-9022 NorCal Service Center 11:45 90:21 9:45 00:01 00:1 8:45 9:30 10:15 11:15 B Ä SAMPLING ba SZSTANDARD Shillof 9 · Level III Date MacKages on Samples. PIBLD PORT NAME (FOR CORLY EDF) 72.48 Store SPECIAL REQUIREMENTS (ADDITIONAL COSTS SAY APPLY) COELT EDF Carden Grove, CA 92841-1427 BENT-3170 317 E. Main 48 HR S MAA. 7440 Lincoln Way SoCal Laboratory (714) 895-5494 PRINCE REPORTING FORMS CP-0905015 24 HR CP-0905016 CP-0905025 G-0905026 CF-0905019 CP-0905020 CP-0905004 CP-0705007 C1-0105003 CP-0905008 SAMPLEID DN 585-1110 Refrequence by: (Signature) Reinquished by (Signature) Ventura SPECIAL REPRESENTANT LABORATORY CLIENT TURRAMOUND TIME SAME DAY in Land 388 ż ¢. 5

CRETRIBUTION: Withle with final report, Green and Yelice to Client.
Please note that pages 1 and 2 of 2 of our TiCs are printed on the severe side of the Green and Yelice copies respectively.

7 p CHAIN OF CUSTODY RECORD DSIGLICO Revision 457 204 52 WS) SQL N 200902 ALPH (C) LID-29-Ч 2 - E COCCURRENCES VOCs (TD-144) & (TO-15) 5-26-09 LAB USE ONLY 60/90/5 Date 5/26/09 REQUESTED ANALYSES DANK WIND WITH WARRY (MICE) TEMPS X151/B0109) WWW 221 HAVE (8040) IN (85/00) SOULT LOG CODE PCBL (8082) 700 (VLGCG) HIDDISHALL (00/29) *00/s Dark (Stock) darril ancord CLENT PROJECT SAME / NUMBER ž BOB TOWNSOM Chyperates (S2508) Ś Canoga ACCP (BS808) Eweling BTEX. MTBE (S2008) or HALL Received by (Signahare/Affiliation) Received by (Signature/Affiliation Received by (Department Con-TPH (6) or (CS-CSE) or (CS-CSE) Dann (D) Hd1 Calscience Environmental Laboratories, Inc. ACTIVITY SPEATE SUB 200 CR-09 15002) 5063 Convences Circle, Suits H Daltalackage on (CR-0005001 9300 ş MACRICA Concard, CA 94525-6577 (925) 689-9022 NorCal Service Center 14:45 13.43 300 State 15: 15 SIN 14:00 Dulty ProKays on all Samples Ä SAMPLING SPANDAND 5/26/00 SHALL 5/11/04 DATE STATE CA PELD FORM WARE (FOR CORLT EDF) 72 HR SPECIAL PEDLINENTS (ADDITIONAL COSTS MAY APPLY) COBLY EDF C. Main St AP NT - 3170 Garden Gross, CA 92841-1427 48 HR E-MAG. 7440 Lincoln Way Socal Laboratory 714) 895-5494 210 5 0 6 0 - 07 0105060 CP-0405009 CP-0905011 RWQCII REPORTING FORMS 205-585-2110 野大田 0 SAMPLE ID denominal by (Signature) x Level IF Seinguished by (Signature) Reinquished by (Signature) A Level # CP-09 05 PRICIAL RETRUCTIONS Ventura ABONDONY CLEM 410 SAME DAY 358 d

DISTRIBUTION: Withte with final report, Green and Yalose to Client.
Please note that pages 1 and 2 of 2 of our TICs are printed on the reverse side of the Green and Yelour copies respectively.





 OTIE
 Date Received:
 05/26/09

 317 East Main Street
 Work Order No:
 09-05-2222

 Ventura, CA 93001-2624
 Preparation:
 N/A

 Method:
 SM 2540 C

Project: Former Raytheon Site, Canaga Park / 2009025

Page 1 of 3

| Project. Former Nayti | icui Sile, Cai | iaya Faik | 1 20090 | 23 | | | | | age 1 01 5 |
|-----------------------------|---------------------|-----------------|-------------|------------------------|-----------------|-------------------|------------------|-----------------------|-------------|
| Client Sample Number | | Lab Sa Numl | | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
| CP-0905015 | | 09-05 | -2222-1-A | 05/26/09 08:30 | Aqueous | N/A | 05/29/09 | 05/29/09 19:30 | 90529TDSB |
| Comment(s): -Results were e | valuated to the MDL | , concentration | s >= to the | MDL but < R | L, if found, ar | re qualified wit | h a "J" flag. | | |
| <u>Parameter</u> | Result | <u>RL</u> | <u>MDL</u> | | <u>DF</u> | <u>Qual</u> | <u>Units</u> | | |
| Solids, Total Dissolved | 3390 | 10 | 1.0 | 1 | | | mg/L | | |
| CP-0905016 | | 09-05 | -2222-2-A | 05/26/09 08:45 | Aqueous | N/A | 05/29/09 | 05/29/09 19:30 | 90529TDSB |
| Comment(s): -Results were e | valuated to the MDL | , concentration | s >= to the | MDL but < R | L, if found, ar | re qualified with | h a "J" flag. | | |
| <u>Parameter</u> | Result | <u>RL</u> | <u>MDL</u> | | <u>DF</u> | Qual | <u>Units</u> | | |
| Solids, Total Dissolved | 3440 | 10 | 1.0 | 1 | | | mg/L | | |
| CP-0905019 | | 09-05 | -2222-3-A | 05/26/09 09:30 | Aqueous | N/A | 05/29/09 | 05/29/09 19:30 | 90529TDSB |
| Comment(s): -Results were e | valuated to the MDL | , concentration | s >= to the | MDL but < R | L, if found, ar | re qualified wit | h a "J" flag. | | |
| <u>Parameter</u> | Result | <u>RL</u> | MDL | | <u>DF</u> | Qual | <u>Units</u> | | |
| Solids, Total Dissolved | 2730 | 10 | 1.0 | 1 | | | mg/L | | |
| CP-0905020 | | 09-05 | -2222-4-A | 05/26/09 09:45 | Aqueous | N/A | 05/29/09 | 05/29/09 19:30 | 90529TDSB |
| Comment(s): -Results were e | valuated to the MDL | , concentration | s >= to the | MDL but < R | L, if found, a | re qualified with | h a "J" flag. | | |
| <u>Parameter</u> | Result | <u>RL</u> | <u>MDL</u> | | <u>DF</u> | <u>Qual</u> | <u>Units</u> | | |
| Solids, Total Dissolved | 2760 | 10 | 1.0 | 1 | | | mg/L | | |
| CP-0905025 | | 09-05 | -2222-5-A | 05/26/09 10:00 | Aqueous | N/A | 05/29/09 | 05/29/09 19:30 | 90529TDSB |
| Comment(s): -Results were e | valuated to the MDL | , concentration | s >= to the | MDL but < R | L, if found, ar | re qualified wit | h a "J" flag. | | |
| <u>Parameter</u> | Result | <u>RL</u> | <u>MDL</u> | | <u>DF</u> | Qual | <u>Units</u> | | |
| Solids, Total Dissolved | 2680 | 10 | 1.0 | 1 | | | mg/L | | |
| CP-0905026 | | 09-05 | -2222-6-A | 05/26/09 10:15 | Aqueous | N/A | 05/29/09 | 05/29/09 19:30 | 90529TDSB |
| Comment(s): -Results were e | valuated to the MDL | , concentration | s >= to the | MDL but < R | L, if found, ar | re qualified with | h a "J" flag. | | |
| <u>Parameter</u> | Result | <u>RL</u> | <u>MDL</u> | | <u>DF</u> | Qual | <u>Units</u> | | |
| Solids, Total Dissolved | 2720 | 10 | 1.0 | 1 | | | mg/L | | |
| | | | | | | | | | |

RL - Reporting Limit

DF - Dilution Factor

Qual - Qualifiers





 OTIE
 Date Received:
 05/26/09

 317 East Main Street
 Work Order No:
 09-05-2222

 Ventura, CA 93001-2624
 Preparation:
 N/A

 Method:
 SM 2540 C

Project: Former Raytheon Site, Canaga Park / 2009025

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| Project: Former Raytr | neon Site, Car | naga Park | / 200902 | 25 | | | | | Page 2 of |
|------------------------------|---------------------|------------------|---------------|------------------------|-----------------|------------------|------------------|-----------------------|-------------|
| Client Sample Number | | Lab Sai Numb | • | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
| CP-0905007 | | 09-05- | -2222-7-A | 05/26/09 11:00 | Aqueous | N/A | 05/29/09 | 05/29/09 19:30 | 90529TDSB |
| Comment(s): -Results were ev | valuated to the MDL | , concentration | s >= to the I | MDL but < R | L, if found, ar | e qualified wit | n a "J" flag. | | |
| <u>'arameter</u> | Result | <u>RL</u> | <u>MDL</u> | | <u>DF</u> | <u>Qual</u> | <u>Units</u> | | |
| solids, Total Dissolved | 2420 | 10 | 1.0 | 1 | | | mg/L | | |
| CP-0905008 | | 09-05- | -2222-8-A | 05/26/09 11:15 | Aqueous | N/A | 05/29/09 | 05/29/09 19:30 | 90529TDSE |
| Comment(s): -Results were ev | valuated to the MDL | ., concentration | s >= to the N | MDL but < R | L, if found, ar | e qualified wit | n a "J" flag. | | |
| <u>arameter</u> | Result | <u>RL</u> | <u>MDL</u> | • | <u>DF</u> | Qual | <u>Units</u> | | |
| Solids, Total Dissolved | 2350 | 10 | 1.0 | 1 | | | mg/L | | |
| CP-0905003 | | 09-05- | -2222-9-A | 05/26/09 11:45 | Aqueous | N/A | 05/29/09 | 05/29/09 19:30 | 90529TDSE |
| Comment(s): -Results were ev | valuated to the MDL | ., concentration | s >= to the l | MDL but < R | L, if found, ar | e qualified with | n a "J" flag. | | |
| <u>arameter</u> | Result | RL | MDL | | <u>DF</u> | <u>Qual</u> | <u>Units</u> | | |
| Solids, Total Dissolved | 1640 | 10 | 1.0 | 1 | | | mg/L | | |
| CP-0905004 | | 09-05- | -2222-10-A | 05/26/09 12:06 | Aqueous | N/A | 05/29/09 | 05/29/09 19:30 | 90529TDSE |
| Comment(s): -Results were ev | valuated to the MDL | ., concentration | s >= to the N | MDL but < R | L, if found, ar | e qualified wit | n a "J" flag. | | |
| <u>arameter</u> | Result | <u>RL</u> | <u>MDL</u> | | <u>DF</u> | <u>Qual</u> | <u>Units</u> | | |
| Solids, Total Dissolved | 1690 | 10 | 1.0 | 1 | | | mg/L | | |
| CP-0905009 | | 09-05- | -2222-11-A | 05/26/09 13:45 | Aqueous | N/A | 05/29/09 | 05/29/09 19:30 | 90529TDSE |
| Comment(s): -Results were ev | valuated to the MDL | , concentration | s >= to the I | MDL but < R | L, if found, ar | e qualified wit | n a "J" flag. | | |
| <u>arameter</u> | Result | <u>RL</u> | MDL | | <u>DF</u> | <u>Qual</u> | <u>Units</u> | | |
| Solids, Total Dissolved | 2910 | 10 | 1.0 | 1 | | | mg/L | | |
| CP-0905010 | | 09-05- | -2222-12-A | 05/26/09 14:00 | Aqueous | N/A | 05/29/09 | 05/29/09 19:30 | 90529TDSE |
| Comment(s): -Results were ev | valuated to the MDL | , concentration | s >= to the N | MDL but < R | L, if found, ar | e qualified wit | n a "J" flag. | | |
| <u>Parameter</u> | <u>Result</u> | <u>RL</u> | <u>MDL</u> | | <u>DF</u> | <u>Qual</u> | <u>Units</u> | | |
| Solids, Total Dissolved | 2050 | 10 | 1.0 | 1 | | | mg/L | | |







 OTIE
 Date Received:
 05/26/09

 317 East Main Street
 Work Order No:
 09-05-2222

 Ventura, CA 93001-2624
 Preparation:
 N/A

 Method:
 SM 2540 C

Project: Former Raytheon Site, Canaga Park / 2009025

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| CP-0905011 09-05-2222-13-A 05/26/09 14:45 Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a | Prepared Ai 05/29/09 0 | ate/Time nalyzed 5/29/09 19:30 | QC Batch ID 90529TDSB1 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------|------------------------|
| 14:45 Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a | "J" flag. | | 90529TDSB1 |
| | ū | | |
| | <u>Jnits</u> | | |
| <u>Parameter</u> <u>Result</u> <u>RL</u> <u>MDL</u> <u>DF</u> <u>Qual</u> <u>U</u> | | | |
| Solids, Total Dissolved 2260 10 1.0 1 | mg/L | | |
| CP-0905012 09-05-2222-14-A 05/26/09 Aqueous N/A 05/26/09 15:00 | 03/23/03 | 5/29/09 19:30 | 90529TDSB1 |
| Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a | "J" flag. | | |
| <u>Parameter</u> <u>Result</u> <u>RL</u> <u>MDL</u> <u>DF</u> <u>Qual</u> <u>U</u> | <u>Jnits</u> | | |
| Solids, Total Dissolved 2260 10 1.0 1 | mg/L | | |
| CP-0905027 09-05-2222-15-A 05/26/09 Aqueous N/A 0 | 03/23/03 | 5/29/09 19:30 | 90529TDSB1 |
| Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a | "J" flag. | | |
| <u>Parameter</u> <u>Result</u> <u>RL</u> <u>MDL</u> <u>DF</u> <u>Qual</u> <u>U</u> | <u>Jnits</u> | | |
| Solids, Total Dissolved 14 1.0 1.0 1 r | mg/L | | |
| Method Blank 099-12-180-1,405 N/A Aqueous N/A 0 | 00, 20, 00 | 5/29/09 19:30 | 90529TDSB1 |
| Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a | "J" flag. | | |
| <u>Parameter</u> <u>Result</u> <u>RL MDL</u> <u>DF Qual</u> <u>U</u> | <u>Jnits</u> | | |
| Solids, Total Dissolved ND 1.0 1.0 1 r | mg/L | | |

MMMmm

DF - Dilution Factor

Qual - Qualifiers



Quality Control - Duplicate



OTIE 317 East Main Street Ventura, CA 93001-2624 Date Received: Work Order No: Preparation: Method:

05/26/09 09-05-2222 N/A SM 2540 C

Project: Former Raytheon Site, Canaga Park / 2009025

| Quality Control Sample ID | Matrix | Instrument | Date Prepared: | Date Analyzed: | Duplicate Batch Number |
|---------------------------|-------------|------------|-------------------|-------------------|---------------------------|
| 09-05-2306-1 | Aqueous | N/A | 05/29/09 | 05/29/09 | 90529TDSD1 |
| | | | | | _ |
| <u>Parameter</u> | Sample Conc | DUP Conc | <u>RPD</u> | RPD CL | <u>Qualifiers</u> |
| Solids, Total Dissolved | 795 | 793 | 0 | 0-20 | |

RPD - Relative Percent Difference , CL - Control Limit



Glossary of Terms and Qualifiers



Work Order Number: 09-05-2222

| Qualifier | <u>Definition</u> |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| * | See applicable analysis comment. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification. |
| 4 | The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification. |
| 5 | The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required. |
| Α | Result is the average of all dilutions, as defined by the method. |
| В | Analyte was present in the associated method blank. |
| С | Analyte presence was not confirmed on primary column. |
| E | Concentration exceeds the calibration range. |
| Н | Sample received and/or analyzed past the recommended holding time. |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| ME | LCS Recovery Percentage is within LCS ME Control Limit range. |
| N | Nontarget Analyte. |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| U | Undetected at the laboratory method detection limit. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. |

Level III Data Package

Work Order#: 09-05-2222

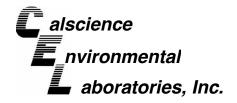
Client: OTIE - TN & A

Former Raytheonsite, Canaga Park / 2009025

SM 2540 C

Total Dissolved Solids

| 100 000 | CO I Secure | Card comme of years. | A training comments | 234.6 -97 07 | 0740 | 0.370 | 4811 | 4500 | 0.750 | 200 | 21/2 | 0998 | 2600 | 9.5% | 87.10 | 79.00 | 7.5 20 | 05.57 | ige 1 | 3 of | 14: |
|-----------------------------------------------------------------------|------------------------|--------------------------------|---------------------|------------------|----------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|-----------|--------------|----------|------------|---------|-----------------|
| | 22.25 | | 100 | 15.90 | 0.646 | 270 | 26 870 | 27.00 | 9.670 | 3342 | 1640 | 01/10 | 3450 | 2360 | 40.00 | 100.11 | 876 | 720 | 362 | 4.0 | 7.63 |
| | the #0 | 1100 | Sees Street | 121111 | 8834.4 | 94.57.0 | 26500 | 445.00 | 4.184-1 | 410.65 | 340 44 | 0.000 | 20619 | 444.953 | A146. | 0 a a a a | 0.4040 | 4.0 04.0 | 618 31A | Deres . | 6.69.17 |
| | and a | | TOTAL STREET | S1+46 | 17.5.54 | 29.5547 | 19.73 | 1477.84 | 38.4468 | 8.20t7 | 14.7573 | 27.64.0 | 29.061 | 39.000 | 35.774 | 17:45.67 | - 00. TH | A. 777. | 29.8.84 | >5.746 | mr. 7564 |
| | AA5 | Ш | - | 3,9,3,747 | 3.8 AMTS | 28 5016 | 19,6771 | 28.707.7 | #81K189 | A8.7320 | 38.751 | 19.40 | 49.6487 | 4.59.64 | 35,7157 | 27.15.10 | 20.00.00 | 4.79.04 | 27.47% | 25,2465 | 8 P. 74.47 |
| ī | 7.9/09 | 1 . | Dame. | 0 | _ | Ŧ | H | H | | > | 300 | 9 | 0.0 | 0.0 | 20 | 00 | - | H | ļ | 9.00 | Ao |
| ĺ | Paperston | F 0 | 1 | 7 | 117 | 9.8 | 27 | 14.9 | HAS | 16 | Bry | 4 | 2005 | 57 | W.F | 4 | 1000 | 4 | 77 | 4BB | 4 |
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June 04, 2009

Ewelina Mutkowska OTIE 317 East Main Street Ventura, CA 93001-2624

Subject: **Calscience Work Order No.:** 09-05-2305

> Client Reference: Raytheon Canoga / 2009025

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/27/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental Laboratories, Inc.

Virendra Patel **Project Manager**





Case Narrative for 09-05-2305

Sample Condition on Receipt

Thirteen (13) aqueous samples were received as part of this Work Order on May 27, 2009. The samples were transferred to the laboratory in an ice-chest following strict chain-of-custody procedures. The temperature (2.4°C) of the samples was measured upon arrival in the laboratory and was within acceptable limits. The samples were logged into the Laboratory Information Management System (LIMS), given laboratory identification numbers, and stored in refrigeration units pending analysis.

Data Summary

The samples included in this report were analyzed in accordance with the attached chain-of-custody (COC) record.

Holding Times

All holding time requirements were met.

Calibration

Frequency and control criteria for initial and continuing calibration verifications were met.

Blanks

The method blank data showed non-detectable levels for Total Dissolved Solids.

Sample Duplicate

A sample duplicate has been provided as part of the QC deliverables package. The RPD on the duplicate sample was within acceptable limits.

Matrix Spikes

Matrix Spikes (MS) and Matrix Spike Duplicates (MSD) were not performed for this method.

<u>Laboratory Control Samples</u>

The Laboratory Control Sample (LCS) and LCS Duplicate analyses were not performed for this method.

Surrogates

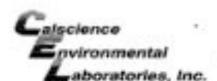
Surrogate recoveries were not performed for this method.



CALSCIENCE BRIVRONMENTAL LABORATORES, INC. Sample Summary Report

WORK DROER # 28-05-2305

QWPP: 2130



WORK ORDER #: 09-05- 2 3 6 2

Laboratories, Inc. SAMPLE RECEIPT FORM Cooler __ of ___

| TEMPERATURE: (Criteria: 0.0°C - 6.0°C, not frozen) Temperature | | TIE -TNSA | | | | 05127 | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------|---------------|--------|
| Cooler | Temperature Sample(s Sample(s Received s | 2.6 °C s) outside temperature s) outside temperature at ambient tempera | - 0.2°C (CF) = criteria (PM/APM contact criteria but received on ic ture, placed on ice fo | ed by:). selchilled on same d r transport by Co | ay of sample | ng. | |
| SAMPLE CONDITION: SAMPLE CONDITION: Yes No N/A Chain-Of-Custody (COC) document(s) received with samples. COC document(s) received complete. COC document(s) received complete. COC of not relinquished. No date relinquished. No time relinquished. Sample container label(s) consistent with COC. Sample container label(s) consistent with COC. Sample containers and volume for analyses requested. Analyses received within holding time. Proper preservation noted on COC or sample container. Uhpreserved viate received for Volatiles analysis Volatile analysis container(s) free of headspace. CONTAINER TYPE: Soilid: 4ozCGJ BozCGJ Teach Tea | CUSTODY S | SEALS INTACT: | | / | | | |
| SAMPLE CONDITION: Chain-Of-Custody (COC) document(s) received with samples. COC document(s) received complete. COC document(s) received complete. COC document(s) received complete. COC document(s) received complete. COC not relinquished. No date relinquished. No time relinquished. Sampler's name indicated on COC. Sample container label(s) consistent with COC. Sample container(s) intact and good condition. Correct containers and volume for analyses requested. Analyses received within holding time. Proper preservation noted on COC or sample container. Uhpreserved vials received for Volatiles analysis Volatile analysis container(s) free of headspace. Tedlar bag(s) free of condensation. CONTAINER TYPE: Solid: 4ozCGJ BozCGJ 16ozCGJ Sleeve EnCores* TerraCores* Water: VOA VOAh VOAna2 125AGB 125AGB 125AGB 1AGB 1AGB 1AGB 500AGB 500AGJ 500AGJ 250AGB 250CGB 250CGB 178 500PB 500PB 250PB 250PB 125PB 125PB 125PB 100PB 100PB 00 00PB 0 | □ Cooler | 0 | ☐ No (Not Intact) | Not Present | □ N/A | Initial | 45 |
| Chain-Of-Custody (COC) document(s) received with samples | ☐ Sample | 0 | ☐ No (Not Intact) | 2 Not Present | | Initial: | SH |
| Chain-Of-Custody (COC) document(s) received with samples | CAMBLE CO | OMDITION. | | | | | 2014 |
| COC document(s) received complete | | | ettel meninget with man | | | No | 200 |
| Collection date/time, matrix, and/or if of containers logged in based on sample labels. COC not refinquished. No date refinquished. No time refinquished. Sampler's name indicated on COC | | | 2.775 | | / | 0 | |
| Sampler's name indicated on COC | | | | | | | D |
| Sampler's name indicated on COC | | | | | 8 | | |
| Sample container label(s) consistent with COC | | | | | / | | |
| Sample container(s) intact and good condition | | | | | / | | |
| Correct containers and volume for analyses requested | | | | | -/ | 0 | |
| Analyses received within holding time | | 나는 작용하면서 어떻게 되었다. | | | | | |
| Proper preservation noted on COC or sample container | | | | | | | |
| Unpreserved vials received for Volatiles analysis Volatile analysis container(s) free of headspace | | | | | | | |
| Volatile analysis container(s) free of headspace | Proper preser | rvation noted on COC | or sample container | | Ø | | |
| Tedlar bag(s) free of condensation | ☐ Unpreserv | ved vials received for V | olatiles analysis | | | | |
| CONTAINER TYPE: Solid: Q40zCGJ Q80zCGJ Q160zCGJ QSleeve QEnCores* QTerraCores* Q Water: QVOA QVOAh QVOAh QVOAh QVOAh QVOAh QUOAh | Volatile analys | sis container(s) free | of headspace | | | | Ø |
| Solid: □4ozCGJ □16ozCGJ □Sleeve □EnCores® □TerraCores® □ Water: □VOA □VOAh □VOAna₂ □125AGB □125AGBh □125AGBp □1AGB □1AGBna₂ | Tedlar bag(s) | free of condensation | h | | 0 | | Ø. |
| Water: □VOA □VOAh □VOAna₂ □125AGB □125AGBh □125AGBp □1AGB □1AGBna₂ | CONTAINER | R TYPE: | | | | | |
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| Laboratories, Inc. Hercal Service Center Control Communication Control Control Communication Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control | Comment of the Co | CHAIN OF CUSTODY RECORD | 0000 | 5 | 0 4-23 05 | CER RECEIPT | TIMP | ANALYSES | | (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00) (\$4.00 | TO SERVED | 0A 0A 0D | * | ~ | × | × | * | X | × | × | X | × | CS 122/09 114:10 | as127/09 7600 |
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 OTIE
 Date Received:
 05/27/09

 317 East Main Street
 Work Order No:
 09-05-2305

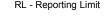
 Ventura, CA 93001-2624
 Preparation:
 N/A

 Method:
 SM 2540 C

Project: Raytheon Canoga / 2009025

Page 1 of 3

| Project: Raytheon Car | noga / 20090: | 25 | | | | | | F | age 1 of 3 |
|-------------------------------|--------------------|-----------------|-------------|------------------------|-----------------|-----------------|------------------|-----------------------|-------------|
| Client Sample Number | | Lab Sa Numb | • | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
| CP-0905005 | | 09-05- | -2305-1-A | 05/27/09 11:45 | Aqueous | N/A | 06/01/09 | 06/01/09 20:10 | 90601TDSB |
| Comment(s): -Results were eva | aluated to the MDL | , concentration | s >= to the | MDL but < R | L, if found, ar | e qualified wit | h a "J" flag. | | |
| Parameter Parameter | Result | <u>RL</u> | MDL | | <u>DF</u> | Qual | <u>Units</u> | | |
| Solids, Total Dissolved | 2320 | 10 | 1.0 | 1 | | | mg/L | | |
| CP-0905006 | | 09-05- | -2305-2-A | 05/27/09 12:00 | Aqueous | N/A | 06/01/09 | 06/01/09 20:10 | 90601TDSB |
| Comment(s): -Results were eva | aluated to the MDL | , concentration | s >= to the | MDL but < R | L, if found, ar | e qualified wit | h a "J" flag. | | |
| <u>'arameter</u> | Result | <u>RL</u> | MDL | | <u>DF</u> | <u>Qual</u> | <u>Units</u> | | |
| Solids, Total Dissolved | 2330 | 10 | 1.0 | 1 | | | mg/L | | |
| CP-0905001 | | 09-05- | -2305-3-A | 05/27/09 08:00 | Aqueous | N/A | 06/01/09 | 06/01/09 20:10 | 90601TDSB |
| Comment(s): -Results were eva | aluated to the MDL | , concentration | s >= to the | MDL but < R | L, if found, ar | e qualified wit | h a "J" flag. | | |
| arameter arameter | Result | <u>RL</u> | MDL | | <u>DF</u> | <u>Qual</u> | <u>Units</u> | | |
| Solids, Total Dissolved | 1300 | 10 | 1.0 | 1 | | | mg/L | | |
| CP-0905002 | | 09-05- | -2305-4-A | 05/27/09 08:15 | Aqueous | N/A | 06/01/09 | 06/01/09 20:10 | 90601TDSB |
| Comment(s): -Results were eva | aluated to the MDL | , concentration | s >= to the | MDL but < R | L, if found, ar | e qualified wit | h a "J" flag. | | |
| <u>Parameter</u> | Result | <u>RL</u> | <u>MDL</u> | | <u>DF</u> | Qual | <u>Units</u> | | |
| Solids, Total Dissolved | 1300 | 10 | 1.0 | 1 | | | mg/L | | |
| CP-0905013 | | 09-05- | -2305-5-A | 05/27/09 11:00 | Aqueous | N/A | 06/01/09 | 06/01/09 20:10 | 90601TDSB |
| Comment(s): -Results were eva | aluated to the MDL | , concentration | s >= to the | MDL but < R | L, if found, ar | e qualified wit | h a "J" flag. | | |
| <u>Parameter</u> | Result | <u>RL</u> | MDL | | <u>DF</u> | <u>Qual</u> | <u>Units</u> | | |
| Solids, Total Dissolved | 2320 | 10 | 1.0 | 1 | | | mg/L | | |
| CP-0905014 | | 09-05- | -2305-6-A | 05/27/09 11:15 | Aqueous | N/A | 06/01/09 | 06/01/09 20:10 | 90601TDSB |
| Comment(s): -Results were eva | aluated to the MDL | , concentration | s >= to the | MDL but < R | L, if found, ar | e qualified wit | h a "J" flag. | | |
| <u>'arameter</u> | Result | <u>RL</u> | <u>MDL</u> | | <u>DF</u> | <u>Qual</u> | <u>Units</u> | | |
| Solids, Total Dissolved | 2340 | 10 | 1.0 | 1 | | | mg/L | | |







 OTIE
 Date Received:
 05/27/09

 317 East Main Street
 Work Order No:
 09-05-2305

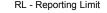
 Ventura, CA 93001-2624
 Preparation:
 N/A

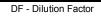
 Method:
 SM 2540 C

Project: Raytheon Canoga / 2009025

Page 2 of 3

| Project. Raytheon Ca | moga / 20090. | 25 | | | | | | Г | age 2 or 3 |
|-----------------------------|---------------------|------------------|---------------|------------------------|-----------------|------------------|------------------|-----------------------|-------------|
| Client Sample Number | | Lab Sai Numb | | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
| CP-0905017 | | 09-05- | -2305-7-A | 05/27/09 09:30 | Aqueous | N/A | 06/01/09 | 06/01/09 20:10 | 90601TDSB |
| Comment(s): -Results were e | valuated to the MDL | ., concentration | s >= to the I | MDL but < R | L, if found, ar | e qualified witl | n a "J" flag. | | |
| <u>Parameter</u> | Result | <u>RL</u> | MDL | | <u>DF</u> | <u>Qual</u> | <u>Units</u> | | |
| Solids, Total Dissolved | 1790 | 10 | 1.0 | 1 | | | mg/L | | |
| CP-0905018 | | 09-05- | -2305-8-A | 05/27/09 09:45 | Aqueous | N/A | 06/01/09 | 06/01/09 20:10 | 90601TDSB |
| Comment(s): -Results were e | valuated to the MDL | ., concentration | s >= to the I | MDL but < R | L, if found, ar | e qualified with | n a "J" flag. | | |
| <u>Parameter</u> | Result | <u>RL</u> | <u>MDL</u> | | <u>DF</u> | <u>Qual</u> | <u>Units</u> | | |
| Solids, Total Dissolved | 975 | 1.0 | 1.0 | 1 | | | mg/L | | |
| CP-0905021 | | 09-05- | -2305-9-A | 05/27/09 12:30 | Aqueous | N/A | 06/01/09 | 06/01/09 20:10 | 90601TDSE |
| Comment(s): -Results were e | valuated to the MDL | ., concentration | s >= to the f | MDL but < R | L, if found, a | e qualified witl | n a "J" flag. | | |
| <u>Parameter</u> | Result | RL | MDL | | <u>DF</u> | <u>Qual</u> | <u>Units</u> | | |
| Solids, Total Dissolved | 2350 | 10 | 1.0 | 1 | | | mg/L | | |
| CP-0905022 | | 09-05- | ·2305-10-A | 05/27/09 12:45 | Aqueous | N/A | 06/01/09 | 06/01/09 20:10 | 90601TDSE |
| Comment(s): -Results were e | valuated to the MDL | ., concentration | s >= to the I | MDL but < R | L, if found, ar | e qualified with | n a "J" flag. | | |
| <u>Parameter</u> | Result | RL | <u>MDL</u> | | <u>DF</u> | <u>Qual</u> | <u>Units</u> | | |
| Solids, Total Dissolved | 2330 | 10 | 1.0 | 1 | | | mg/L | | |
| CP-0905028 | | 09-05- | -2305-11-A | 05/27/09 13:15 | Aqueous | N/A | 06/01/09 | 06/01/09 20:10 | 90601TDSB |
| Comment(s): -Results were e | valuated to the MDL | , concentration | s >= to the I | MDL but < R | L, if found, a | e qualified witl | n a "J" flag. | | |
| <u>Parameter</u> | Result | <u>RL</u> | <u>MDL</u> | | <u>DF</u> | <u>Qual</u> | <u>Units</u> | | |
| Solids, Total Dissolved | 14 | 1.0 | 1.0 | 1 | | | mg/L | | |
| CP-0905023 | | 09-05- | -2305-12-A | 05/27/09 08:30 | Aqueous | N/A | 06/01/09 | 06/01/09 20:10 | 90601TDSE |
| Comment(s): -Results were e | valuated to the MDL | ., concentration | s >= to the I | MDL but < R | L, if found, a | e qualified witl | n a "J" flag. | | |
| <u>Parameter</u> | Result | <u>RL</u> | <u>MDL</u> | | <u>DF</u> | <u>Qual</u> | <u>Units</u> | | |
| Solids, Total Dissolved | 1330 | 10 | 1.0 | 1 | | | mg/L | | |





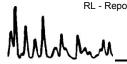




OTIE Date Received: 05/27/09 317 East Main Street Work Order No: 09-05-2305 Ventura, CA 93001-2624 Preparation: N/A Method: SM 2540 C

Project: Paytheon Canona / 2000025 Page 3 of 3

| Project: Raytheon Ca | noga / 20090: | 25 | | | | | | F | age 3 of 3 |
|-----------------------------|---------------------|------------------|---------------|------------------------|----------------|-------------------|------------------|-----------------------|-------------|
| Client Sample Number | | Lab Sa Numl | • | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
| CP-0905024 | | 09-05 | -2305-13-A | 05/27/09 08:45 | Aqueous | N/A | 06/01/09 | 06/01/09 20:10 | 90601TDSB1 |
| Comment(s): -Results were e | valuated to the MDL | ., concentration | s >= to the N | /IDL but < R | L, if found, a | re qualified with | n a "J" flag. | | |
| <u>Parameter</u> | Result | <u>RL</u> | MDL | | <u>DF</u> | <u>Qual</u> | <u>Units</u> | | |
| Solids, Total Dissolved | 1290 | 10 | 1.0 | 1 | | | mg/L | | |
| Method Blank | | 099-1 | 2-180-1,404 | N/A | Aqueous | N/A | 06/01/09 | 06/01/09 20:10 | 90601TDSB1 |
| Comment(s): -Results were e | valuated to the MDL | ., concentration | s >= to the N | /IDL but < R | L, if found, a | re qualified with | n a "J" flag. | | |
| <u>Parameter</u> | Result | <u>RL</u> | MDL | | <u>DF</u> | <u>Qual</u> | <u>Units</u> | | |
| Solids, Total Dissolved | ND | 1.0 | 1.0 | 1 | | | mg/L | | |



DF - Dilution Factor

Qual - Qualifiers



Quality Control - Duplicate



OTIE 317 East Main Street Ventura, CA 93001-2624 Date Received: Work Order No: Preparation: Method:

05/27/09 09-05-2305 N/A SM 2540 C

Project: Raytheon Canoga / 2009025

| Quality Control Sample ID | Matrix | Instrument | Date Prepared: | Date Analyzed: | Duplicate Batch Number |
|---------------------------|-------------|------------|-------------------|-------------------|---------------------------|
| 09-06-0005-1 | Aqueous | N/A | 06/01/09 | 06/01/09 | 90601TDSD1 |
| | | | | | _ |
| <u>Parameter</u> | Sample Conc | DUP Conc | RPD | RPD CL | <u>Qualifiers</u> |
| Solids, Total Dissolved | 1010 | 1010 | 0 | 0-20 | |



Glossary of Terms and Qualifiers



Work Order Number: 09-05-2305

| Qualifier | <u>Definition</u> |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| * | See applicable analysis comment. |
| 1 | Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification. |
| 2 | Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification. |
| 3 | Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification. |
| 4 | The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification. |
| 5 | The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required. |
| Α | Result is the average of all dilutions, as defined by the method. |
| В | Analyte was present in the associated method blank. |
| С | Analyte presence was not confirmed on primary column. |
| E | Concentration exceeds the calibration range. |
| Н | Sample received and/or analyzed past the recommended holding time. |
| J | Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated. |
| ME | LCS Recovery Percentage is within LCS ME Control Limit range. |
| N | Nontarget Analyte. |
| ND | Parameter not detected at the indicated reporting limit. |
| Q | Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater. |
| U | Undetected at the laboratory method detection limit. |
| X | % Recovery and/or RPD out-of-range. |
| Z | Analyte presence was not confirmed by second column or GC/MS analysis. |
| | Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. |
| | |

Level III Data Package

Work Order#: 09-05-2305

Client: OTIE - TN & A

Raytheon Canogs / 2009025

SM 2540 C

Total Dissolved Solids

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June 30, 2009

Ms. Ewelina Mutkowska OTIE-TN&A 317 E. Main St. Ventura, CA 93001

Dear Ms. Mutkowska:

On May 27, 2009, 15 water samples were received for analysis at the GPL Laboratories Alabama, LLC. The samples were assigned Laboratory Report Identification Code 9067_9115. Enclosed is the Sample Data Package containing the radioanalytical results of the sample.

If you have any questions please do not hesitate to call.

Sincerely,

Richard Turner Laboratory Director

COVER PAGE

GPL Laboratories Alabama, LLC 1000 Monticello Court Montgomery, Alabama 36117

NELAC Certification ID: NLC080001 (AL001)

Laboratory Report Identification Code: 9067

Sample Matrix: Water

| Site Sample Number | Laboratory Sample Number |
|--------------------|-------------------------------------------------|
| CP-0905019 | OTI09-9067-01 OTI09-9085-01 |
| CP-0905016 | OTI09-9067-02 OTI09-9085-02 |
| CP-0905019 | OTI09-9067-03 OTI09-9085-03 |
| CP-0905020 | OTI09-9067-04 OTI-09-9085-04 |
| CP-0905025 | OTI09-9067-05 OTI09-9085-05 |
| CP-0905026 | OTI09-9067-06 OTI09-9085-06 |
| CP-0905007 | OTE09-9067-07 OTE09-9085-07 |
| CP-0905008 | OTI09-9067-08 OTI09-9085-08 |
| CP-0905003 | OTI09-9067-09 OTI09-9085-09 |
| CP-0905004 | OTI09-9067-10 OTI09-9085-10 |
| CP-0905009 | OTI09-9067-11 OTI09-9085-11 OTI09-9115-01 |
| CP-0905010 | OTI09-9067-12 OTI09-9085-12 OTI09-9115-02 |
| CP-0905011 | OT309-9067-13 OT309-9085-13 |
| CP-0905012 | OTI09-9067-14 OTI09-9085-14 |
| CP-0905027 | OT109-9067-15 OT109-9085-15 |

COVER PAGE(continued)

GPL Laboratories Alabama, LLC 1000 Monticello Court Montgomery, Alabama 36117

NELAC Certification ID: NLC080001 (AL001)

Laboratory Report Identification Code: 9067_9115

Comments: There were no problems encountered during sample receiving.

"I certify that this sample data package is in compliance with contract requirements, both technically and for completeness. Release of the data contained in this hard-copy sample data package has been authorized by the Laboratory Director or the Laboratory Director designee, as verified by the following signature."

Signature

Richard Turner
Name

Laboratory Director
Title

06/30/2009

Date

CASE NARRATIVE

Laboratory Report Identification Number: 9067_9115

NELAC Certification ID: NLC080001 (AL001)

June 30, 2009

I. Introduction

On May 27, 2009, 15 water samples were received for analysis at the GPL Laboratories Alabama, LLC located in Montgomery, Alabama. The samples were analyzed in accordance with the GPL Laboratory Quality Assurance Plan.

The data in this report meets all NELAC requirements unless otherwise stated.

II. Analytical Methodology

The radioanalytical results reported for the sample include the site and laboratory sample identification numbers, collection date, method of analysis, and the quality control samples that were analyzed concurrently. The samples were analyzed by the following methods.

| Radionuclide | Method Number | Method Name | Counting Method |
|------------------|---------------|------------------------------------------|------------------------------|
| Co-Precipitation | SM711C | Geosa Alpha Radioactivity | Gas Proportional Counting |
| Gross Alpha (U) | EPA 900.0 | Gross Alpha Radioactivity | Gas Proportional Counting |
| Gross Beta | EPA 900.0 | Gross Beta Radioactivity | Gas Proportional Counting |
| Ra-226 | EPA 903.1 | Radium-226 Radon Besaustion Technique | Radon Flasio'Scale |
| Ra-228 | EPA 904.0 | Radium-228 | Gas Proportional Counting |
| Uraenium | ACW03 | Extraction Chromatography | Alpha Spectrometry |

III. Analytical Results

Deficiencies

See "Re-analysis" section.

Matrix Interferences

There were no indications of matrix interference.

Detection Limits

The required detection limits (RDLs) were met for all sample analyses.

Re-analysis

Samples OTI09-9067-11 and OTI09-9067-12 exhibited low tracer recovery due to method error during chemistry process. The samples were reanalyzed as OTI09-9115-01 and OTI09-9115-02 with new QC. The re-analyses produced acceptable results and are reported in this document.

Upon further review of the package, the gross alpha detection limits were not met for some of the samples. Those samples were recounted at longer times to achieve detection limits.

Deviations from Protocols

There were no deviations from the written protocols and analytical methods.

Contacts with the Technical Representative

There was no contact with the Technical Representative regarding these samples.

IV. Quality Control

The analytical results of all quality control samples met the acceptance criteria specified in the GPL Laboratory Quality Assurance Plan.

Radioanalytical Results

Radioanalytical Results

Report Identification Number: \$9067_9115

Project Name: OTIE - TN&A Chain-of-Custody Number: Matrix: Water

Site Sample ID: CP-0905015

Other Sample ID: Collection Date: 5/25/2009 8:20:00 AM Date Received: 5/27/2009 11:10:00

Batch Number: 9057 Laboratory Code: SCA

| Method Number EPA 900.0 | Badionucide BETA | Laboratory Sample ID OT108-806T-01C | Analysis Date/Time_ 06/26/09 16:03 | Activity (pCi/L) -4.16 | 2 or Counting Error (pC/L) 1.86 | Total Error (pG/L) 2.24 | MDA (pCVL) 2.77 |
|----------------------------|---------------------|-------------------------------------------|------------------------------------------|------------------------------|---------------------------------------|-------------------------------|-----------------------|
| ACW03 | U-233/234 | OT109-9067-01 | 06/24/09 16:57 | 35.4 | 4.12 | 8.19 | 0.087 |
| ACW03 | U-236 | OT109-9067-01 | 06/24/09 16:57 | 1.59 | 0.526 | 0.710 | 0.108 |
| ACW03 | U-238 | OT109-9067-01 | 06/24/09 16:57 | 37.6 | 4.33 | 8.87 | 0.153 |
| EPA 903.1 | RA-226 | OT109-8067-01 | 08/03/09 13:37 | 0.083 | 0.284 | 0.295 | 0.488 |
| EPA 904.0 | RA-228 | OT09-8067-01 | 06/02/09 16:11 | 0.517 | 0.406 | 0.434 | 0.619 |

| S. D. Carretta | retown insorrem | Quality Centrel Sar | mples | |
|----------------|-------------------------|---------------------------|-------------------|------------------------|
| Radionuolde | Leboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Spike (MS) | Preparation Blank (PB) |
| Beta | SCADC-9067-LC18 | SCAQC-9067-LD1 | | SCAQC-9067-PB1B |
| Ra | SCAQC-9067-LC1 | SCAQC-9067-LD1 | SCAQC-906T-MS1 | 8CAQC-8067-P8 |
| ti i | 9CAQC-9067-LC1 | SCAQC-906T-LD1 | | 8CAQC-9067-P81 |

Radioanalytical Results

Report Identification Number: \$9057_9115

Project Name: OTIE - TNSA

Chain-of-Custody Number:

Matrix: Water

Site Sample ID: CP-0905016

Other Sample ID:

Collection Date: 5/25/2009 8:45:00 AM

Date Received: 5/27/2009 11:15:00

Batch Number: 9057

Laboratory Code: SCA

| Method Number | Sadonucida | Laboratory Sample ID | Analysis Date/Time | Acevity (pC/L) | 2 o Counting Error (pC/A.) | Total Error (pClfL) | MDA (pC(L) |
|---------------|------------|-------------------------|-----------------------|-------------------|-------------------------------|------------------------|---------------|
| EPA 900.0 | BETA | OT109-9067-028 | 06/25/09 17:00 | 30.5 | 3.71 | 9.66 | 4.40 |
| ACW03 | U-233/234 | OT109-9067-02 | 06/24/09 16:57 | 36.0 | 4.16 | 8.32 | 0.201 |
| ACW03 | U-235 | OT109-9067-02 | 06/24/09 16:57 | 1.93 | 0.662 | 0.820 | 0.106 |
| ACW03 | U-238 | QTI09-9067-02 | 06/24/09 16:57 | 36.4 | 4.20 | 6.41 | 0.086 |
| EPA 903.1 | RA-226 | OT109-9067-02 | 06/03/09 13:37 | 0.209 | 0.279 | 0.286 | 0.461 |
| EPA 904.0 | RA-228 | OT109-9067-02 | 06/02/09 16:13 | 0.105 | 0.368 | 0.362 | 0.618 |

| | | Quality Control Sa | mples | |
|-------------|-------------------------|---------------------------|--------------------|------------------------|
| Radionucide | Laboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Scrike (MS) | Preparation Stank (PS) |
| Beta | SCAQC-9067-LC18 | SCACC-9067-LD1 | | SCAQC-9067-P818 |
| Ra | SCAQC-9067-LC1 | SCAQC-9067-LD1 | SCAGC-806T-MIST | SCAQC-9067-P9 |
| U | SCAGC-9067-LC1 | SCAQC-9067-LD1 | | 90AQC-9067-PB1 |

Radioanalytical Results

Report Identification Number: 89067_9115

Project Name: OTIE - TNSA

Chain-of-Custody Number:

Metric Water

Other Sample ID:

Site Sample ID: CP-0905019

Collection Date: 5/25/2009 9:30:00 AM

Date Received: 5/27/2009 11:15:00

Batch Number: 9057

Laboratory Code: SCA

| Method Number | Radionución | Laboratory Sample ID | Analysis Date/Time | Activity (BCIA) | 2 a Counting Error (pC/L) | Total Error (pClfL) | MDA _(pQ/L) |
|---------------|-------------|-------------------------|-----------------------|--------------------|------------------------------|------------------------|----------------|
| EPA 900.0 | BETA | OT109-9067-038 | 08/25/09 17:01 | 18.5 | 2.00 | 5.91 | 2.31 |
| ACW03 | U-233/234 | OT109-9067-03 | 06/24/09 16:57 | 12.2 | 1.91 | 3.11 | 0.106 |
| ACW03 | U-235 | OT109-9067-03 | 08/24/09 16:57 | 0.481 | 0.309 | 0.341 | 0.130 |
| ACW03 | U-238 | DT109-9067-03 | 05/24/09 16:57 | 11.7 | 1.85 | 2.99 | 0.105 |
| EPA 903.1 | PA-226 | OT109-9067-03 | 06/03/09 15:05 | 1.27 | 0.394 | 0.548 | 0.535 |
| EPA 904.0 | FA-228 | OT109-9067-03 | 06/02/09 16:14 | 0.633 | 0.449 | 0.488 | 0.675 |

| Quality Control Samples | | | | | | |
|-------------------------|---------------------------|---------------------------|-------------------|-------------------------|--|--|
| Badionucide | Laboratory, Control, S.C1 | Laboratory Duplicate (LD) | Matrix Spike (MS) | Preparation, Blank (PS) | | |
| Beta | SCAQC-8087-LC18 | SCAQC-9067-LD1 | | SCAQC-9067-PB1B | | |
| Ra | SCAQC-9067-LC1 | SCAGC-9067-LD1 | SCAGC-9067-MS1 | SCAQC-906T-PB | | |
| U | SCAQC-8067-LC1 | SCAQC-9067-LD1 | | 8CAQC-9067-P91 | | |

Radioanalytical Results

Report Identification Number: \$9067_9115

Project Name: OTIE - TN&A Chain-of-Custody Number: Matrix: Water

Site Sample ID: CP-0905020

Other Sample ID: Collection Date: \$25/2009 9:45:00 AM Date Received: \$27/2009 11:15:00

Batch Number: 9057 Laboratory Code: SCA

| Method Number | Radionucide | Laboratory Sample ID | Analysis Deta/Time | Activity (BCIL) | 2 a Counting Error (pCVL) | Total Error (pCit) | MOA. _(bQ/L) |
|---------------|-------------|-------------------------|-----------------------|--------------------|------------------------------|-----------------------|-----------------|
| EPA 900.0 | BETA | OT109-9067-04B | 06/25/08 17:01 | 11.0 | 2.30 | 4.02 | 3.09 |
| ACVV03 | U-233/234 | OT109-9067-04 | 08/24/09 16:57 | 12.0 | 1.40 | 2.76 | 0.068 |
| ACWG9 | U-235 | OT109-9067-04 | 08/24/09 16:57 | 0.584 | 0.254 | 0.308 | 0.072 |
| ACWG0 | U-238 | OT109-9057-04 | 05/24/09 16:57 | 12.4 | 1.43 | 2.86 | 0.103 |
| EPA 903.1 | RA-226 | OTI09-9067-04 | 06/03/08 15:05 | 0.414 | 0.293 | 0.318 | 0.455 |
| EPA 904.0 | RA-228 | OTIO9-9067-04 | 06/02/09 16:14 | 0.567 | 0.407 | 0.441 | 0.600 |

| | A - A - C - C - C - C - C - C - C - C - | Quality Control Say | mptes | |
|-------------|-----------------------------------------|---------------------------|-------------------|------------------------|
| Radionudide | Laboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Spike (MS) | Preparation Stank (PS) |
| Beta | SCAQC-9067-LC1B | 9CAQC-9067-LD1 | | SCAGC-9067-PB1B |
| Ra | SCAQC-9067-LC1 | SGAQC-9067-LD1 | 8CAQC-9067-M81 | 8CAQC-9067-P9 |
| U | SCAQC-9067-LC1 | SCAQC-9067-LD1 | | SCAQC-9067-PB1 |

Radioanalytical Results

Report Identification Number: 59067_9115

Project Name: OTIE - TNSA

Chain-of-Custody Number:

Matrix: 350dec

Other Sample ID:

Site Sample ID: CF-0905025

Collection Date: 5/25/2009 10:00:00 AM

Date Received: 5/27/2009 11:15:00

Batch Number: 9057

| Method Number | Radionucide | Laboratory Sample ID | Analysis Date/Time_ | Activity (pCIS) | 2 e Counting Error (pCVL) | Total Error (pG/L) | MDA (HCNL) |
|---------------|-------------|-------------------------|------------------------|--------------------|------------------------------|-----------------------|---------------|
| 3PA 900.0 | BETA | CTI09-9067-05B | 06/26/09 13:28 | 22.9 | 3.65 | 7.77 | 2.90 |
| ACW03 | U-233/234 | OT109-9067-05 | 06/24/09 16:58 | 12.0 | 1.52 | 2.83 | 0.069 |
| ACIW03 | U-235 | OT109-9067-08 | 06/24/09 16:58 | 0.867 | 0.293 | 0.363 | 0.085 |
| ACIW03 | U-238 | OT109-9067-05 | 06/24/09 16:58 | 11.8 | 1.50 | 2.79 | 0.068 |
| EPA 903.1 | RA-225 | OTI09-9067-06 | 06/03/09 15:05 | 0.615 | 0.322 | 0.371 | 0.484 |
| EPA 904.0 | RA-228 | OT109-9067-05 | 06/02/09 16:14 | 1.08 | 0.468 | 0.568 | 0.608 |

| Sec. 10. | OCCUPATION AND ADDRESS. | Quality Control Sar | mples | |
|--------------|-------------------------|---------------------------|-------------------|------------------------|
| Radionuclide | Laboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Solke (MS) | Preparation Blank (PB) |
| Beta | SCAQC-9087-LC18 | SCAQC-9067-LD1 | | SCAQC-9067-PB18 |
| Ra | 90AQC-9087-L01 | SCAQC-9067-LD1 | SCAQC-9067-MS1 | SCAQC-9067-PB |
| U | SCAGC-9087-LC1 | SCAQC-9087-LD1 | | SCAQC-9067-P91 |

Radioanalytical Results

Report Identification Number: \$9067_9115

Project Name: OTIE - TNSA Chain-of-Custody Number: Matrix: Water
Site Sample ID: CP-0905026

Other Sample ID: Collection Date: 5/25/2009 10:15:00 AM Date Received: 5/27/2009 11:15:00
Batch Number: 9057 Laboratory Code: 5/25/

| Method Number | Badionucida | Laboratory Sample ID | Analysis Date/Time | Activity (pCl(L) | 2 er Counting Error (pC/L) | Total Error (pCVL) | MDA (s/C/L) |
|---------------|-------------|-------------------------|-----------------------|---------------------|-------------------------------|-----------------------|----------------|
| EPA 900.0 | BETA | OT109-9067-068 | 06/26/09 13:28 | 8.32 | 2.65 | 3.64 | 3.04 |
| ACW03 | U-233/234 | OT109-9067-06 | 06/24/09 16:58 | 12.3 | 1.67 | 2.98 | 0.141 |
| ACW03 | U-235 | OT109-906T-08 | 06/24/09 18:58 | 0.362 | 0.232 | 0.256 | 0.098 |
| ACW03 | U-238 | OT109-9067-06 | 06/24/09 19:58 | 11.5 | 1.58 | 2.78 | 0.079 |
| EPA 903.1 | RA-226 | OT109-906T-06 | 06/03/09 15:05 | 0.328 | 0.251 | 0.270 | 0.393 |
| EPA 904.0 | RA-226 | OT109-9057-06 | 06/02/09 16:23 | -0.090 | 0.331 | 0.332 | 0.642 |

| | | Quality Control Sar | mples | |
|-------------|-------------------------|---------------------------|-------------------|------------------------|
| Badionucide | Laboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Spike (MS) | Preparation Black (PS) |
| Beta | SCAQC-9067-LC18 | SCAQC-90874LD1 | | SCAQC-9067-PB18 |
| Ra | SCAQC-9067-LC1 | SCAQC-9087-LD1 | SCAQC-906T-MS1 | 5CAQC-9057-PB |
| U | SCAQC-9067-LC1 | SCAQC-9067-LD1 | | SCAQC-8067-P81 |

Radioanalytical Results

Report Identification Number: 89067_9115

Project Name: QTIE.:TNBA Chain-of-Custody Number: Matrix: Wilder
Site Sample ID: QP-0905007
Other Sample ID: Collection Date: 5/25/2009 11:00:00 AM Date Received: 5/27/2009 11:15:00

Batch Number: 9057 Laboratory Code: SCA

| Badionuside | Laboratory Sample ID | Analysis Date/Time | Activity (pCifL) | 2 o Counting Error (BCIA) | Tutal Error (pCl/L) | MDA (pCIA) |
|-------------|-------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------|-----------------------------------------------------|
| BETA | OT109-9067-078 | 05/25/09 13:28 | 7.22 | 2.51 | 3.31 | 3.03 |
| RA-225 | OT109-9087-07 | 06/03/09 18:12 | 9.61 | 0.734 | 2.98 | 0.346 |
| RA-228 | OTI09-9087-07 | 06/02/09 16:23 | 1.04 | 0.495 | 0.584 | 0.669 |
| | BETA RA-226 | Badistucilide | Badistucible Sample ID Date/Time BETA OT109-9067-079 06/03/09 18:12 RA-226 OT109-9067-07 06/03/09 18:12 | RAGIONALIME Sample ID Date/Time (pC)(1) | RA-226 OTIOS-9067-07 06/03/09 18:12 9:61 0.734 | RA-226 OT109-9087-07 06/03/09 18:12 9:61 0.734 2.98 |

| 1 1 1 1 1 1 1 1 1 | Who conversed to No. | Quality Control Say | mples | |
|--------------------|--------------------------------------------|---------------------------------------------|-------------------|-------------------------------------------|
| Bedonucide Beta | Leboratory Control (LC) SCAQC-9067-LC1B | Leberatory Duplicate (LD) SCAQC-9067-LD1 | Matrix Spike (MS) | Preparation Blank (PB) SCAQC-9067-PB1B |
| Re | SCAQC-9067-LC1 | SCAQC-9067-LD1 | SCAQC-6067-MS1 | SCAQC-9087-P9 |

Radioanalytical Results

Report Identification Number: 89067_9115

Project Name: OTTE - TNSA Chain-of-Custody Number: Matrix: Water
Site Sample ID: CP-0905008
Other Sample ID: Collection Date: 5/25/2009 11:15:00 AM Date Received: 5/27/2009 11:15:00 Matrix: SCA
Batch Number: 9057 Laboratory Code: SCA

| Method Number | Badionucide | Laboratory Sample ID | Analysis Date/Time | Activity (pCVL) | 2 o Counting Error (EC/L) | Total Error (pCifL) | MDA (pC/L) |
|---------------|-------------|-------------------------|-----------------------|--------------------|------------------------------|------------------------|---------------|
| EPA 900.0 | BETA | OT109-9067-088 | 06/26/09 13:29 | 7.99 | 2.75 | 3.65 | 3.01 |
| EPA 903.1 | RA-226 | OT109-9067-08 | 06/03/09 16:12 | 9.98 | 0.762 | 3.09 | 0.401 |
| EPA 904.0 | RA-228 | OT109-906T-08 | 08/03/09 13:06 | 0.978 | 0.460 | 0.546 | 0.620 |

| New York Time United | ABOVE SECRETARION COS | Quality Control Ber | mples | |
|----------------------|-------------------------|---------------------------|-------------------|------------------------|
| Radionucida | Laboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Spike (MS) | Preparation Stank (PS) |
| Bete. | SCAQC-9097-LC18 | SCAQC-9087-LD1 | | SCAGC-9067-PB1B |
| Ra | SCAQC-9067-LC1 | SCAQC-9067-LD1 | SCAQC-9087-MS1 | SCAQC-906T-PB |

Radioanalytical Results

Report Identification Number: \$9067_9115

Project Name: OTIE - TNSA

Chain-of-Custody Number:

Matric Yoster

Site Sample ID: <u>CP-0905003</u> Other Sample ID:

Collection Date: 5/25/2009 11:45:00 AM

Date Received: 5/27/2009 11:15:00

Batch Number: 9067

| Method Number | Badionucide | Laboratory Sample ID | Analysis Date/Time | Addivity _3pG(L) | 2 o Counting Error (aCVL) | Total Error (pCVL) | MDA (SCIA) |
|---------------|-------------|-------------------------|-----------------------|---------------------|------------------------------|-----------------------|---------------|
| EPA 900.0 | BETA | OT109-906T-09B | 06/26/09 13:29 | 3.30 | 1.75 | 2.01 | 2.33 |
| EPA 903.1 | RA-228 | OTI09-9067-09 | 06/03/09 16:12 | 0.296 | 0.312 | 0.324 | 0.508 |
| EPA 904.0 | RA-228 | OT109-9067-09 | 06/03/09 13:06 | 2.31 | 0.598 | 0.915 | 0.609 |

| | | Quality Control Sa | mpies | |
|---------------------|-----------------|---------------------------------------------|-------------------|-------------------------------------------|
| Badionucide Bets | SCAQC-9067-LC18 | Laboratory Duplicate (LD) SCAQC-9067-LD1 | Matrix Solve (MS) | Preparation Blank (PB) SCAQC-9087-PB18 |
| Ra | SCAQC-9067-LC1 | SCAGC-9067-LD1 | SCAQC-906T-MS1 | SCAQC-9067-PB |

Radioanalytical Results

Report Identification Number: 89067_9115

Project Name: OTIE - TN&A Chain-of-Cuetody Number: Metric: Widte:

Site Sample ID: CP-0905004

Other Sample ID: Cultection Date: 5/25/2009 12:00:00 PM Date Received: 5/27/2009 11:15:00

Batch Number: 9/257 Laboratory Code: -5/25

| Method Number | Badionuclida | Laboratory Sample ID | Analysis Date/Time | Addivity (s)C(L) | 2 # Counting Error (pCIA) | Total Ever (pCit.) | MDA (pQ/L) |
|---------------|--------------|-------------------------|-----------------------|---------------------|------------------------------|-----------------------|---------------|
| EPA 900.0 | BETA | OT109-9067-10B | 06/25/09 13:29 | 5.73 | 2.25 | 2.83 | 2.91 |
| EPA 900.1 | RA-226 | OT109-9067-10 | 06/03/09 18:12 | 0.222 | 0.287 | 0.295 | 0.474 |
| EPA 904.0 | RA-228 | OT109-906T-10 | 06/03/09 13:06 | 0.389 | 0.409 | 0.424 | 0.662 |

| | 00.0150-02170577-20 | Quality Control Sar | mples | |
|------|-------------------------|---------------------------|-------------------|-------------------------------------------|
| - | Lebonstoni Control (LC) | Laboratory Duplicate (LD) | Matrix Solke (MS) | Preparation Blank (PB) SCAQC-9061-PB1B |
| Beta | 8CAQC-8087-LC18 | SCAQC-8067-LD1 | | |
| Ra | SCAQC-9087-LC1 | SCAQC-9067-LD1 | SCAQC-9067-MS1 | SCAQC-9067-PB |

Radioanalytical Results

Report Identification Number: \$9067_9115

 Project Name:
 OTIE - TNSA
 Chain-of-Custody Number:
 Matrix:
 Water:

 Site Sample ID:
 CP-0905009
 Collection Date:
 5/25/2009 1-45:00 PM
 Date Received:
 5/27/2009 11:15:30

Laboratory Code: SCA

Batch Number: 9057

| Method Number | Badionucide | 500,1800,04 | Analysis _Date/Time_ | Activity _(pCVL) | 2 o Counting Error (pCi/L) | Total Error (pC/L) | MDA (BC/L) |
|---------------|-------------|----------------|-------------------------|---------------------|-------------------------------|-----------------------|---------------|
| EPA 900.0 | BETA. | OTI09-9067-118 | 06/26/09 13:30 | 54.1 | 3.59 | 5.56 | 3.86 |
| ACW93 | U-233/234 | OTI09-9087-11 | 05/24/09 16:55 | 0.000 | 0.000 | 0.090 | 14.3 |
| ACW93 | U-235 | OT109-9067-11 | 06/24/09 16:58 | 0.000 | 0.000 | 0.135 | 17.7 |
| ACW03 | U-238 | OT109-8067-11 | 062409 18:58 | 0.000 | 0.000 | 0.090 | 33.2 |
| EPA 903.1 | RA-226 | OT109-9067-11 | 06/03/09 17:30 | 0.148 | 0.246 | 0.250 | 0.413 |
| EPA 904.0 | RA-228 | OTI09-9057-11 | 06/03/09 12:06 | 0.118 | 0.316 | 0.318 | 0.556 |

| | | Quality Control Sa | rapies | |
|-------------|-------------------------|---------------------------|-------------------|-------------------------|
| Badionucide | Laboratory Control (LC) | Laboratory Duplicate (LD) | Metrix Spike (MS) | Preparation, Blank (PB) |
| Seta | SCAQC-9067-LC18 | SCAGC-9067-LD1 | | SCAQC-6067-P918 |
| Re | SCAQC-908T-LC1 | BCAGC-9067-LD1 | SCAQC-9067-MS1 | SCAQC-9067-PB |
| U | 8CAQC-9087-LC1 | SCAQC-9067-LD1 | | SCAQC-9067-P81 |

Radioanalytical Results

Report Identification Number: \$9057_9115

Project Name: OTIE - TNSA

Chain-of-Custody Number:

Matrix: Woder

Site Sample ID: CF-0905010

Other Sample ID:

Collection Date: 5/25/2009 2:00:00 PM

Date Received: 5/27/2009 11:15:00

Batch Number: 9067

| Method Number | Badionuclida | Laboratory Sample ID | Analysis _Data/Time | Addyty _bC(L)_ | 2 o Counting Error (pCVL) | Total flivor _(pCifL) | _(ECVL) |
|---------------|--------------|-------------------------|------------------------|-------------------|------------------------------|--------------------------|---------|
| EPA 900.0 | BETA | OTI09-8067-128 | 06/26/09 13:30 | 11.4 | 2.29 | 4.10 | 2.14 |
| ACW93 | U-233/234 | OT109-9067-12 | 09/24/09 15:58 | -2.11 | 4.88 | 4.90 | 25.3 |
| ACWIDS . | U-235 | OT109-906T-12 | 06/24/09 16:58 | -2.61 | 6.02 | 6.08 | 31.2 |
| ACW93 | U-238 | OT109-906T-12 | 06/24/09 18:58 | 1.06 | 12.2 | 12.2 | 29.8 |
| EPA 903.1 | RA-226 | OT109-9067-12 | 06/04/09 16:58 | 0.182 | 0.250 | 0.258 | 0.414 |
| EPA 904.0 | RA-228 | OT109-9067-12 | 06/03/09 12:00 | 0.901 | 0.450 | 0.530 | 0.613 |

| | | Quality Control Sa | mples | |
|--------------|-------------------------|---------------------------|-------------------|------------------------|
| Radionuciide | Laboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Spike (MS) | Preparation Blank (PB) |
| Beta | SCAQC-9067-LC19 | SCAQC-9087-LD1 | | SCAQC-9067-PB18 |
| Ra | SCAGC-9087-LC1 | SCAQC-908T-LD1 | 8CAQC-9067-MS1 | SCAQC-9067-PB |
| U | SCAQC-9087-LC1 | SCAGC-8067-LD1 | | SCAQC-9067-PB1 |

Radioanalytical Results

Report Identification Number: 59067_9115

Project Name: OTIE - TN&A

Chain-of-Custody Number:

Matrix: Water

Site Sample ID: CP-0905011

Other Sample ID:

Collection Date: 5/25/2009 2:45:00 PM

Date Received: 5/27/2009 11:15:00

Batch Number: 9057

| Method Number | Badonucida | Laboratory Sample ID | Analysis Date/Time | Activity (pCVL) | 2 e Counting Error IpCVL1 | Total Error (bCVL) | MDA (eCif.) |
|---------------|------------|-------------------------|-----------------------|--------------------|------------------------------|-----------------------|----------------|
| EPA 900.0 | BETA | OTIO9-9067-138 | 06/26/09 13:30 | 6.56 | 3.00 | 3.64 | 3.95 |
| EPA 903.1 | RA-225 | OTI09-9067-13 | 06/04/09 19:58 | 15.4 | 0.852 | 4.09 | 0.469 |
| EPA 904.0 | RA-228 | OTI09-9067-13 | 06/03/09 13:07 | 2.03 | 0.560 | 0.831 | 0.617 |

| | | Quality Control Se | mples | |
|---------------------|-----------------|---------------------------------------------|-------------------|-------------------------------------------|
| Radionucida Beta | SCAQC-9067-LC1B | Leboratory Duplicate (LD) SCAQC-9067-LD1 | Matrix Solke (MS) | Preparation Blank (PB) SCAQC-9067-PB18 |
| Re | 8CAQC-9067-LC1 | SCAQC-9067-LD1 | SCAQC-9067-MS1 | SCAQC-9067-PB |

Radioanalytical Results

Report Identification Number: 89087_9115

Project Name: QTE - TNSA

Chain-of-Custody Number:

Matrix: Water

5te Sample ID: CP-0905012

out out the in. Proposition

Other Sample ID:

Collection Date: 5/25/2009 3:00:00 PM

Date Received: 5/27/2009 11:15:00

Balch Number: 9057

Laboratory Code: SCA

SOATIANNE TITL

| Method Number | Badionucide | Laboratory Sample ID | Analysis Date/Time | Activity (sGIL) | 2 a Counting Error (pCVL) | Total Error (pCl/L) | MDA (pCifL) |
|---------------|-------------|-------------------------|-----------------------|--------------------|------------------------------|------------------------|----------------|
| EPA 900.0 | BETA | OT109-9087-14B | 06/26/09 13:32 | 7.28 | 3.17 | 3.85 | 4.05 |
| EPA 903.1 | RA-226 | OT109-9067-14 | 06/04/09 18:58 | 7.31 | 0.574 | 2.27 | 0.348 |
| EPA 904.0 | RA-228 | OT109-9087-14 | 06/03/09 13:07 | 0.710 | 0.418 | 0.469 | 0.596 |

| | Int. 128.00 (88) | Quality Control Sa | roples | |
|------------|------------------|---------------------------------------------|-------------------|-------------------------------------------|
| | SCAGC-8067-LC1B | Laboratory Duplicate (LD) SCAQC-9067-LD1 | Matrix Spike (MS) | Preparation Blank (PS) SCAQC-9067-PB1B |
| Bets Ra | SCADC-9067-LC1 | SCAQC-9067-LD1 | SCAQC-9067-MS1 | SCAQC-9067-PB |

Radioanalytical Results

Report Identification Number: 59067_9115

Project Name: QTE - TN&A Chain-of-Custody Number: Matrix: Water Site Sample ID: CP-0908027

Other Sample ID: Collection Date: 5/25/2009 3:15:00 PM Date Received: 5/27/2009 11:15:00

Batch Number: 9057 Laboratory Code: 90A

| Method Number | Badonucida | Laboratory Sample ID | Analysis Date/Time | Activity (pC/L) | 2 e Counting Error (pC/L) | Total Error (BCVL) | MDA (siCiA) |
|---------------|------------|-------------------------|-----------------------|--------------------|------------------------------|-----------------------|----------------|
| EPA 900.0 | ALPHA | OTIO9-9067-15 | 06/21/09 08:44 | 0.046 | 0.773 | 0.773 | 1.50 |
| EPA 900.0 | BETA | OT109-9067-158 | 0626091332 | 0.590 | 0.680 | 0.703 | 1.04 |
| EPA 903.1 | RA-226 | OT109-9067-15 | 06/04/09 16:58 | 0.063 | 0.256 | 0.257 | 0.441 |
| EPA 904.0 | PA-228 | OT109-9067-15 | 0603/09 13:07 | 0.092 | 0.345 | 0.346 | 0.614 |

| | | Quality Control Say | mples | |
|----------------------|-------------------------|---------------------------------------------|-------------------|------------------------------------------|
| Radionucide Alpha | Laboratory Control (LC) | Laboratory Duplicate (LD) SCAQC-9067-LD1 | Matrix Spike_IMS) | Preparation Blank (PB) SCAQC-9067-PB1 |
| Beta | SCAQC-9067-LC18 | SCAQC-9067-LD1 | | SCAQC-9067-PB18 |
| Ra | SCAQC-9067-LC1 | SGAQC-9067-LD1 | SCAGC-9087-MS1 | SCAQC-9067-PB |

Radioanalytical Results

Raport Identification Number: 59057_9115

Project Name: QTIE - TN&A

Chain-of-Custody Number:

Matrix: Water

Site Sample ID: CP-0905015

Other Sample ID:

Collection Date: 5/25/2009 8:30:00 AM

Date Received: 5/27/2009 11:15:00

Batch Number: 9055

| Method Number | Badionuclide | Laboratory Sample ID | Analysis Date/Time | 2 o Counting Error (pC/L) | | MDA (sQ/L) |
|---------------|--------------|-------------------------|-----------------------|------------------------------|------|---------------|
| SM 7110C | | | 06/19/09 17:15 | 5.35 | 28.4 | 1.96 |

| | | Quality Control Sar | mples | |
|-------|-------------------------|---------------------------|-------------------|------------------------|
| | Laboratory Central (LC) | Laboratory Duplicate (LD) | Matrix Spike (MS) | Preparation Blank (PE) |
| Alpha | SCAQC-9085-LCB | 90AQC-9085-LD1 | | SCAQC-9085-P81 |

Radioanalytical Results

Report Identification Number: 89067_9115

Project Name: OTIE - TNSA

Chain-of-Custody Number:

Metric: Water

Site Sample ID: CP-0905016

Other Sample ID:

Collection Date: 5/25/2008 8:45:00 AM

Date Received 5/27/2009 11:15:00

Batch Number: 9085

| Method Number | Sadionucida | Laboratory Sample ID | Analysis Date/Time | | 2 e Counting Error (pCi/L) | Total Error (pCVL) | MDA (pC/L) |
|---------------|-------------|-------------------------|-----------------------|------|-------------------------------|-----------------------|---------------|
| | ALPHA | OT109-9085-02 | 05/19/09 19:01 | 46.3 | 5.43 | 23.8 | 2.49 |

| | | Quality Control Sar | mples | |
|-------------|-------------------------|---------------------------|-------------------|------------------------|
| Radionuside | Laboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Spike (MS) | Preparation Blank (25) |
| Alpha | SCAQC-9085-LCB | SCAQC-9085-LD1 | | SCAQC-9085-PB1 |

Radioanalytical Results

Report Identification Number: \$9067_9115

Project Name: OTIE - TN&A

Chain-of-Custody Number:

Marrie: Yoster

Site Sample ID: CP-0905019

Other Sample ID:

Collection Date: 5/25/2009 9:30:00 AM

Date Received: 5/27/2009 11:15:00

Batch Number: 9055

Laboratory Code: SCA

| Market Nicolay | Dationarida | Laboratory | Analysis | 2 o Counting Error | ALCOHOLD S | MOA |
|----------------|-------------|---------------|----------|--------------------|------------|------|
| | | OT109-9085-03 | | 3.54 | 11.1 | 1.85 |

Quality Control Samples

Radionuclide Laboratory Control (LC) SCAQC-9085-LCB Alpha

Laboratory Duplicate (LD)

9CAQC-9085-LD1

Matrix Spike (MS)

Preparation Stank (PS)

SCAQC-9085-PB1

Radioanalytical Results

Report Identification Number: \$9067_\$115

Project Name: OTIE - TN&A

Chain-of-Custody Number:

Matrix Water

Site Sample ID: CP-0905020

Other Sample ID:

Collection Date: 5/25/2009 9:45:00 AM

Date Received: 5/27/2009 11:15:00

Batch Number: 9085

Laboratory Code: SCA

| Method Number | Badiosucide | Laboratory Sample ID | Analysis Date/Time | 2 or Counting Error (pC/L) | | MOA (BCVL) |
|---------------|-------------|-------------------------|-----------------------|-------------------------------|------|---------------|
| | | OTID8-9085-04 | | 3.06 | 9.12 | 1.87 |

Quality Control Samples

Radionuside Laboratory Control (LC) SCAQC-9085-LCB

Laboratory Duplicate (LD) Matrix Spike (MS)

SCAQC-9085-LD1

Preparation Stant. (PS)

8CAQC-6086-PB1

Radioanalytical Results

Report Identification Number: 59067_9115

Project Name: OTIE - TN&A

Chain-of-Custody Number:

Matrix: Water

Site Sample ID: CP-0905025

Other Sample IC:

Collection Date: 5/25/2009 10:00:00 AM

Date Received: 5/27/2009 11:15:00

Batch Number: 9085

Laboratory Code: SCA

| Method Number | Radionuclide | Laboratory Sample ID | Analysis Date/Time | 2 g Counting Error (pG/L) | | MDA (bC/L) |
|---------------|--------------|-------------------------|-----------------------|------------------------------|------|---------------|
| | | GT109-9085-05 | | 4.06 | 14.1 | 2.26 |

Quality Control Samples

Redionuclide Laboratory Control (LC) SCAQC-9085-LCB Alpha

Laboratory Duplicate (LD) Matrix Spike (MS) 8CAQC-9085-LD1

Preparation_Blank_(PS)

SCAQC-9085-P81

Radioanalytical Results

Report Identification Number: \$9087_9115

Project Name: OTIE - TNSA

Chain-of-Custody Number:

Marric Water

Site Sample ID: CP-0905028

Other Sample ID:

Collection Date: 5/25/2009 10:15:00 AM

Date Received: 5/27/2009 11:15:00

Batch Number: 9085

Laboratory Code: SGA

| Method Number | | | | BCALL | 2 a Counting Error (pC/L) | | MDA _UKNLL_ |
|---------------|-------|---------------|----------------|-------|------------------------------|------|----------------|
| SM 7110C | ALPHA | OT109-9085-06 | 06/19/09 19:01 | 20.1 | 3.31 | 10.6 | 1.09 |

Quality Control Samples

Badlonuclide Laboratory, Control J.C. Alpha

Laboratory Duplicate (LE) Matrix Spike (MS)

Preparation Blank (PS): SCAQC-9085-P91

SCAQC-9085-LCB

SCAQC-9085-LD1

Radioanalytical Results

Report Identification Number: 89067_9115

Project Name: OTE - TM&A

Chain-of-Custody Number:

Matrix: Water

Site Sample ID: CP.0905007

Other Sample ID:

Collection Date: 5/25/2009 11:00:00 AM

Date Received: 5/27/2009 11:15:00

Batch Number: 9085

Laboratory Code: SCA

| -3 - 5 0 0 | | Laboratory | Analysis | Activity | 2 or Counting Error | Total Error | MDA. |
|---------------|--------------|---------------|-------------|----------|---------------------|-------------|--------|
| Method Number | Radionuplide | Sample ID | _Date/Time_ | _(6C)(L) | (aCIA) | _(pCVL) | (pC/L) |
| | | OT109-9085-07 | | | 5.65 | 25.4 | 2.52 |

Quality Control Samples

Redionuclide Leboratory Control (LC) SCAQC-9085-LOB Alpha

Laboratory Duplicate (LD) Matrix Spike (MS)

SCAQC-9085-LD1

Preparation Blank (PB) SCAQC-9085-PB1

Radioanalytical Results

Report Identification Number: \$9067_9115

Project Name: QTIE - TN&A

Cham-of-Custody Number:

Matrix: Water

Site Sample ID: CP-0905005

Other Sample ID:

Collection Date: 5/25/2009 11:15:00 AM

Date Received: 5/27/2009 11:15:00

Batch Number: 9085

Laboratory Code: SCA

| Method Number | Badionyclide | Laboratory Sample ID | Analysis Data/Time | 2 e Counting Error (pCVL) | | MDA (pQ/L) |
|---------------|--------------|-------------------------|-----------------------|------------------------------|------|---------------|
| SM 7110C | | OT109-9085-08 | | 4.73 | 21.5 | 1.90 |

Quality Control Samples

Radionuclide: Laboratory Control (LC) SCAQC-9085-LCB Alpha

Laboratory Duplicate (LD) Matrix Spike (MS) SCAQC-9085-LD1

Preparation Blank (Pt))

SCAQC-9085-PB1

Radioanalytical Results

Report Identification Number: \$9067_9115

Project Name: OTIE - TNSA

Chain-of-Custody Number:

Matrix: White:

Site Sample ID: CP-0905003

Other Sample ID:

Collection Date: 5/25/2009 11:45:00 AM

Date Received: 5/27/2009 11:15:00

Batch Number: 9085

Laboratory Code: SGA

| | | Laboratory | Analysis | | 2 or Counting Error | and the second second | MDA |
|----------------|--------------|---------------|----------------|--------|---------------------|-----------------------|--------|
| Method, Number | Radionsclide | Sample ID | Date/Time_ | CPCVL1 | (BCAT) | - Dura | _6C(5) |
| SM 7110C | ALPHA | OT109-9085-09 | 05/19/09 20:49 | 2.48 | 1.86 | 2.08 | 2.31 |

Quality Control Samples

Radionuclide Laboratory Control (LC) SCAQC-9085-LCB Alpha

Laboratory Duplicate (LD) Matrix Salke (MS)

Preparation Blank (PB)

SCAQC-9085-LD1

Radioanalytical Results

Report Identification Number: 59067_9116

Project Name: OTIE - TNBA

Chain-of-Custody Number:

Matrix: Water

Site Sample ID: CP-0905004

Other Sample 10:

Collection Date: 5/25/2009 12:00:00 PM

Date Received: 5/27/2009 11:15:00

Batch Number: 9085

| Method Number SM 7110C | | Laboratory Sample ID OTIO9-8085-10 | Analysis _Date/Time_ 06/19/06 20:49 | | 2 o Counting Error | | MDA _(pO(L) 1.70 |
|---------------------------|--|------------------------------------|-------------------------------------------|--|------------------------|--|------------------------|
|---------------------------|--|------------------------------------|-------------------------------------------|--|------------------------|--|------------------------|

| | | Quality Control Sac | mples | |
|-------------|-------------------------|---------------------------------------------|-------------------|------------------------------------------|
| Badionucide | Laboratory Control (LC) | Laboratory Duplicate (LD) SCAQC-9085-LD1 | Merrix Solve (MS) | Preparation Blank (PS) SCAQC-9085-PB1 |

Radioanalytical Results

Report Identification Number: 89067_9115

Project Name: OTIE - TN&A

Chain-of-Custody Number:

Matrix: Water

Site Sample ID: CD:0905009

Other Sample IO:

Collection Date: 5/25/2009 1:45:00 PM

Date Received: 5/27/2009 11:15:00

Batch Number: 9085

Laboratory Code: SCA

| Method Number | Badonyolde | Laboratory Sample ID | Analysis Date/Time | 2 e Counting Error (sGAL) | | MDA (pQ/L) |
|---------------|------------|-------------------------|-----------------------|------------------------------|------|---------------|
| | | OT109-9085-11 | | 3.61 | 10.5 | 5.82 |

Quality Control Samples

Radionuclide Laboratory Control (LC) SCAGC-9085-LCB Alpha

Laboratory Duplicate (LD) SCAQC-8085-LD1

Matrix Spice (MS)

Preparation Blank (Pff) SCAQC-9085-P81

Radioanalytical Results

Report Identification Number: 59057_9115

Project Name: OTIE-TN&A

Chain-of-Custody Number:

Matrix: Water

Site Sample ID: CP-0905010:

Collection Date: 5/25/2009 2:00:00 PM

Date Received: 5/27/2009 11:15:00

Other Sample ID:

Betch Number: 9085

Laboratory Code: SCA

| Method Number | Badionucida | Laboratory Sample ID | Analysis Date/Time | 2 e Counting Error (pO/L) | | MDA BIGILL |
|---------------|-------------|-------------------------|-----------------------|------------------------------|------|---------------|
| | | | 07/01/09 15:07 | 3.25 | 10.6 | 1.49 |

Quality Control Samples

Radionuclide Laboratory Control (LC) SCADC-9085-LCB

Laboratory Duplicate (LD) Matrix Spike (MS) SCAQC-9085-LD1

Preparation Blank (PB)

SCAQC-9085-PB1

Radioanalytical Results

Report Identification Number: \$9067_9115

Project Name: OTIE - TNSA

Chain-of-Custody Number:

Matrix: Water

Site Sample ID: CP-0905011

Other Sample ID:

Collection Date: 5/25/2009 2:45:00 PM

Date Received: 5/27/2009 11:15:00

Betch Number: 9085

Laboratory Code: SCA

| | | Laboratory | Analysis | Activity | 2 # Counting Error | Total Error | MDA |
|---------------|-------------|---------------|-------------|----------|--------------------|-------------|----------|
| Method Number | Radionucide | Sample ID | _Date/Time_ | (bC)/L1 | (MCML) | _0000 | _(pC)(L) |
| | | OT109-9085-13 | | | 6.08 | 30.5 | 1.68 |

| Qualit | | |
|--------|--|--|
| | | |
| | | |

Radionucide Laboratory Control (LC)
Alpha SCAGC-9085-LCB

Laboratory Duplicate (LD) Matrix Soike (MS) SCAQC-9086-LD1 Preparation Blank (PB) SCAQC-9085-PB1

Radioanalytical Results

Report Identification Number: \$9067_9115

Project Name: OTIE - TNSA

Chain-of-Custody Number:

Matric: Water

Other Sample ID:

Site Sample ID: CP-0905012

Collection Date: 5/25/2009 3:00:00 PM

Date Received: 5/27/2009 11:15:00

Batch Number: 9085

| Method Number | Radionuclide | Laboratory Sample (D) | Analysis Date/Time | 2 o Counting Error (aCIA.) | | MDA (pQ/L) |
|---------------|--------------|--------------------------|-----------------------|-------------------------------|------|---------------|
| | | OT109-9085-14 | | 5.58 | 25.3 | 1.86 |

| | | Quality Control Say | mples | |
|-------------|-------------------------|---------------------------|-------------------|------------------------|
| Radionucide | Laboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Spike (MS) | Preparation Blank (PS) |
| Aloha | SCADC-9085-LCB | SCACC-9085-LD1 | | SCAQC-9085-P91 |

Radioanalytical Results

Report Identification Number: \$9067_9115

Project Name: OTIE - TNSA

Chain-of-Custody Number:

Matrix: Wister

Site Sample ID: CP-0905009

Other Sample ID:

Collection Date: 5/25/2009 1:45:00 PM

Date Received: 5/27/2009 11:15:00

Batch Number: 9115

Laboratory Code: SCA

| Method Number | Badionuclide | Laboratory Sample ID | Analysis Date/Time | Assivity (scirl.) | 2 a Counting Error (aCIA.) | Total Error (pG/L) | MDA _(xQ/L) |
|----------------|--------------|-------------------------|-----------------------|----------------------|-------------------------------|-----------------------|----------------|
| SM 7500-U C(n) | U-233/234 | OT109-9115-01 | 08/28/09 16:46 | 24.6 | 2.56 | 5.55 | 0.067 |
| SM 7500-U C(m) | U-235 | OT109-8115-01 | 06/26/09 16:46 | 1.34 | 0.391 | 0.560 | 0.124 |
| SM 7500-U C(H) | U-238 | OT109-9115-01 | 06/26/09 16:46 | 25.4 | 2.63 | 5.71 | 0.067 |

Quality Control Samples Redishucide Laboratory Control (LC) Laboratory Duplicate (LD) Matrix Spike (MS) Preparation Stank (PS) SCAQC-9115-LD1 SCAQC-9115-P81 SCADC-9115-LC1

Radioanalytical Results

Report Identification Number: 88057_9115

Project Name: OTIE - TN&A

Chain-of-Custody Number:

Matric Winter

Site Sample ID: CP-090501D

Other Sample ID:

Collection Date: 5/25/2009 2:00:00 PM

Date Received: 5/27/2009 11:15:00

Batch Number: 9115

Laboratory Code: SCA

| Method Number | Radionuclide | Laboratory Sample ID | Analysis Date(Time | Activity (pG/L) | 2 e Counting Error (pC/L) | Total Error (pO/L) | MDA (xQ/L) |
|----------------|--------------|-------------------------|-----------------------|--------------------|------------------------------|-----------------------|---------------|
| 8M 7500-U C(m) | U-233/234 | OTI09-9115-02 | 06/26/09 10:44 | 19.0 | 1.94 | 4.27 | 0.093 |
| SM 7500-U C(m) | U-235 | OTI09-9115-02 | 05/25/09 16:44 | 0.745 | 0.274 | 0.354 | 0.065 |
| SM 7500-U C(m) | U-238 | OTI09-9115-02 | 06/26/09 16:44 | 19.1 | 1.94 | 4.28 | 0.063 |

Radiosucible Laboratory Control (LC): 90AQ0-9115-L01

Quality Control Samples Laboratory Duplicate (LD) Matrix Spike (MS) SCAQC-9115-LD1

Preparation Blank (PB) SCAQC-9115-PB1

Radioanalytical Results

Quality Control Sample Laboratory Control (LC1)

Report Identification Number: \$9057_9115

| Project Name: | QTIE : TN&A | Chain-of-Custody Number: | block | Matrix | Weter |
|------------------|-------------|--------------------------|-----------------------|------------------------------------|---------------------------|
| Site Sample ID: | NA | | | | |
| Other Sample ID: | FCI | Collection Date: | 5/27/2009 11:15:00 AM | Date Received: Laboratory Code: | 5/27/2009 11:15:00 SCA |

| Method Number | | | Analysis _Date/Time_ | Activity (eC/L) | 2 or Counting Error (pCifL) | Total Error _BGA1 | MDA (BCIA) |
|----------------|--------------------|-----------------------------------|-------------------------|--------------------|--------------------------------|----------------------|---------------|
| EPA 900.0 | BETA | SCAQC-90674,C1B SCAQC-90674,C1 | 06/26/09 15:59 | 4.80 | 0.694 | 1.18 | 0.050 |
| ACW03 ACW03 | U-233/234 U-238 | SCAGC-9067-LC1 | 06/24/09 16:56 | 4.82 | 0.696 | 1.19 | 0.028 |
| EPA 903.1 | RA-226 | SCAQC-9067-LC1 | 06/03/09 17:30 | 12.1 | 0.754 | 3.72 | 0.371 |
| EPA 904.0 | RA-228 | SGAQC-9067-LC1 | 06/02/09 17:28 | 0.89 | 1.00 | 2.30 | 0.704 |

| | | Quality Control Sa | mples | |
|----------------------|-----------------|---------------------------------------------|-------------------|-------------------------------------------|
| Bedionuolide Beta | SCAGC-9067-LC1B | Laboratory Duplicate (LD) SCAQC-9067-LD1 | Matrix Solve (MS) | Preparation Blank (FB) SCAQC-9067-PB18 |
| Ra | SCAQC-9067-LC1 | 8CAQC-9067-LD1 | SCAQC-9067-M81 | 8CAQC-9067-PB |
| U | SCAQC-9067-LC1 | 8CAQC-9087-LD1 | | 8CAQC-9067-PB1 |

Radioanalytical Results

Quality Control Sample Laboratory Control (LC1)

Report Identification Number: 89067_9115

| Method Number | Sadonucide | Laboratory Sample ID | Analysis Date/Time | 2 # Counting Error (pC/L) | | MDA _(pG/L) |
|---------------|------------|-------------------------|-----------------------|----------------------------------|------|----------------|
| | | SCAQC-9085-LCB | | 3.01 | 7.95 | 1.80 |

| | | Quality Control Sax | mples | |
|-------------|-------------------------|---------------------------|-------------------|------------------------|
| Badionucide | Laboratory Control (LC) | Leboratory Duplicate (LD) | Metric Solve (MS) | Preparation Blank (PS) |
| Alpha | SCAGC-9085-LCB | SCAQC-9085-LD1 | | SCAQC-9085-PB1 |

Radioanalytical Results

Quality Control Sample Laboratory Control (LC1)

Report Identification Number: \$9007_9115

Project Name: OTIE - TNSA

Chain-of-Custody Number: None

Matrix: Weter

Site Sample ID: N/A

Other Sample ID: LC1

Collection Date: 5/27/2009 11:15:00 AM

Date Received: 5/27/2009 11:15:00

Laboratory Code: SCA

| Method Number | Badistupide | Laboratory Sample ID | Analysis Date/Time | | Total Error | MOA (gCVL) |
|----------------|-------------|-------------------------|-----------------------|-------|-------------|---------------|
| | | SGAQC-9115-LC1 | | 0.424 | 0.893 | 0.014 |
| SM 7500-U C(m) | | SCAQC-9115-LC1 | | 0.428 | 0.903 | 0.014 |

Badionucide Laboratory Control (LC) 90AQ0-9115-L01

Quality Control Samples

Laboratory Duplicate (LD) Matrix Spike (MS) SCAQC-9115-LD1

Preparation Blank (PB) 8CAQC-9115-PB1

Radioanalytical Results

Quality Control Sample Duplicate (LD1)

Report Identification Number: \$9057_9115

Project Name: QTIE : TNSA Chain-of-Custody Number: Matrix: YESSE
Site Sample ID: QP-0905015
Other Sample ID: LD1 Collection Date: 5/25/2009 8:45/00 AM Custo Received: 5/27/2009 11:15:00 Laboratory Code: SGA

| United Number | Redonadde | Laboratory Sample ID | Analysis Date/Time | Activity (pC/L) | | Yotal Error (pC/L) | MOA (sQ/L) |
|------------------------|-----------|-------------------------|-----------------------|--------------------|-------|-----------------------|---------------|
| | | SCAGC-8067-LD1 | | | 0.265 | 0.278 | 0.423 |
| EPA 903.1 FPA 904.0 | | SCAQC-9087-LD1 | | | 0.392 | 0.413 | 0.615 |

| Labo | ratory Samples for D | uplicates |
|--------------|-------------------------|---------------------------|
| Badiocuclide | Laboratory Sample ID | Duplicate of Sample ID |
| RA-226 | SCAQC-906T-LD1 | OT109-9067-02 |
| RA-228 | SCAQC-9067-LD1 | OT109-9067-02 |

| | | Quality Control Ser | mples | |
|--------------|-------------------------|---------------------------|-------------------|------------------------|
| Rationuclide | Leboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Spike (MS) | Preparation Blank (PB) |
| Re | SCAQC-80674,C1 | SCAGC-906T-LD1 | SCAQC-9067-MS1 | SCAQC-8067-P8 |

Radioanalytical Results

Quality Control Sample Duplicate (LD1)

Report Identification Number: 59067_9115

Project Name: QTIE - TNSA Chain-of-Custody Number: Metrix: Water
Site Sample ID: CP-0905019
Cither Sample ID: LD1 Collection Date: 5/25/2009 9:30:00 AM Date Received: 5/27/2009 11:15:00 Laboratory Code: SCA

| | | Laboratory | Analysis | Activity | 2 e Counting Error | Total Error | MOA |
|---------------|-------------|----------------|------------|----------|--------------------|-------------|--------|
| Method Number | Badionucide | Sample ID | _Date/Time | _IECA1 | (pC(L) | (BCVL) | (pG/L) |
| SM 71100 | | SCAQC-9085-LD1 | | | 4.03 | 13.0 | 2.39 |

| | Laboratory | Duplicate of |
|--------------|----------------|---------------|
| Seclopuolide | Sample ID | Sample ID |
| ALPHA | SCAQC-8085-LD1 | OT109-9085-03 |

| Quality Control Samples | | | | | | |
|-------------------------|-------------------------|---------------------------|-------------------|------------------------|--|--|
| Badionudide | Laboratory Central (LC) | Laboratory Duplicate (LD) | Matrix Spike (MS) | Preparation Black (28) | | |
| Alpha | SCAQC-9086-LCB | SCAQC-9085-LD1 | | SCAQC-9085-P81 | | |

Radioanalytical Results

Quality Control Sample Duplicate (LD1)

Report Identification Number: \$9067_9115

| Method Number | Badionucide | Laboratory Sample ID | Analysis Date/Time | Activity (pCi/L) | 2 a: Counting Error (pCVL) | Total Error (pGIL) | MDA (pCI/L) |
|---------------|-------------|-------------------------|-----------------------|---------------------|-------------------------------|-----------------------|----------------|
| EPA 900.0 | | 8CAQC-9067-LD1 | | -0.041 | 0.800 | 0.800 | 1.58 |
| EPA 900.0 | | SCAQC-9067-LD1 | 06/26/09 13:32 | -0.075 | 0.590 | 0.590 | 1.06 |

| Labo | retory Samples for Di | uplicates |
|-------------|-------------------------|---------------------------|
| Badionucide | Laboratory Sample ID | Duplicate of Sample ID |
| ALPHA | SCAQC-9087-LD1 | OTI09-9067-15 |
| DETA | SCAQC-9067-LD1 | OT109-9067-15B |

| | | Quality Control Ser | mples | |
|----------------------|-------------------------|---------------------------------------------|-------------------|------------------------------------------|
| Badiosudida Alpha | Laboratory Control (LC) | Laboratory Dublicate (LD) SCAQC-9067-LD1 | Matrix Spike (MS) | Preparation Black (PB) SCAQC-8067-PB1 |
| Sets. | SCAQC-9067-LC1B | SCAQC-9087-LD1 | | SCAQC-9067-P818 |

Radioanalytical Results

Quality Control Sample Duplicate (LD1)

Report Identification Number: \$9067_9115

| Project Name: | OTIE - TNSA | Chain-of-Custody Number: | Matrix | Wedec |
|------------------|-------------|------------------------------------|----------------------------------------|---------------------------|
| Site Sample ID: | CP-0905015 | | | |
| Other Sample ID: | LD1 | Collection Date: 5/25/2009 5:30/20 | LAM Date Received: Laboratory Code: | 5/27/2009 11:15:00 SCA |

| Method Number | | Laboratory Sample ID | | _(pC/L)_ | | Total Error _(pCVL) | MDA (pG/L) |
|---------------|-----------|-------------------------|----------------|----------|-------|------------------------|---------------|
| ACW00 | U-233/234 | SCAQC-9067-LD1 | 06/24/09 16:56 | 38.6 | 4.60 | 8.99 | 0.090 |
| ACW03 | U-236 | SCAQC-9067-LD1 | 06/24/09 16:56 | 1.67 | 0.550 | 0.745 | 0.110 |
| ACIVO3 | U-238 | SCAGC-9067-LD1 | 06/24/09 16:56 | 36.6 | 4.38 | 8.51 | 0.089 |

| Labo | ratory Samples for Di | uplicates | |
|--------------|-------------------------|---------------------------|--|
| Badionuclide | Laboratory Sample ID | Duplicate of Sample ID | |
| U-234 | 8CAQC-8067-LD1 | OT109-9067-01 | |
| U-235 | SCAQC-9067-LD1 | OT109-9067-01 | |
| U-238 | SCAQC-9067-LD1 | OT109-9067-01 | |

| | | Quality Control Sar | mples | |
|-------------|-------------------------|---------------------------|-------------------|------------------------|
| Redionucide | Laboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Spike (MS) | Preparation Blank (PB) |
| U | SCAQC-9067-LC1 | SCAQC-9067-LD1 - | | SCAQC-8067-PB1 |

Radioanalytical Results

Quality Control Sample Duplicate (LD1)

Report Identification Number: 59067_9115

Project Name: QTIE - TNSA

Chain-of-Custody Number:

Matrix: Yilder

Site Sample ID: CP-0905008

Other Sample ID: LD1

Collection Date: 5/28/2009 1:45:00 PM

Date Received: 5/27/2009 11:15:00

| Method Number | Badooxolda | Laboratory Sample ID | Analysis Date/Time | Activity (bCi/L) | 2 e Counting Error | Total Error (pCHL) | MDA (bCl/L) |
|----------------|------------|-------------------------|-----------------------|---------------------|--------------------|-----------------------|----------------|
| SM 7500-U C(H) | U-233/234 | SCAQC-9115-LD1 | 06/25/09 16:45 | 23.9 | 2.48 | 5.36 | 0.058 |
| SM 7500-U C010 | | SCAQC-9115-LD1 | 08/25/08 16:45 | 1.36 | 0.396 | 0.568 | 0.072 |
| SM 7500-U C(m) | | SCAQC-9115-LD1 | 06/25/09 16:45 | 24.6 | 2.54 | 5.53 | 0.103 |

| Labo | vatory Samples for D | uplicates | |
|-------------|-------------------------|---------------------------|--|
| Badionucida | Laboratory Sample ID | Duplicate of Sample ID | |
| U-234 | SCAQC-8115-LD1 | OT109-9115-01 | |
| U-238 | SCAQC-9115-LD1 | OT109-9115-01 | |
| U-238 | SCAQC-9115-LD1 | OT109-9115-01 | |

| | | Quality Control Ser | mples | |
|--------------|-------------------------|---------------------------|-------------------|------------------------|
| Badlonuclide | Laboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Solke (MS) | Preparation Blank (PB) |
| U | SCAQC-9115-LC1 | SCAQC-9115-LD1 | | SCAGC-9115-PB1 |

Radioanalytical Results

Quality Control Sample Matrix Spike (MS1)

Report Identification Number: \$9067_9115

Project Name: QTIE - TNBA

Chain-of-Custody Number: None

Martric Villates

Site Sample ID: CP-0905019

Other Sample ID: MS1

Collection Date: 5/25/2009 9:30:00 AM

Date Received: 5/27/2009 11:15:00

| Method Number | Radionucide | Laboratory Sample ID | Analysis Date/Time | Activity (pC)(L) | 2 a Counting Error (pC/L) | Total Error (BC/L) | MDA (bOIL) |
|---------------|-------------|-------------------------|-----------------------|---------------------|------------------------------|-----------------------|---------------|
| EPA 903.1 | | SCAGC-9067-MS1 | | 12.7 | 0.788 | 3.90 | 0.378 |
| EPA 904.0 | RA-228 | 8CAQC-9067-MS1 | 06/02/09 16:13 | 7.15 | 0.908 | 2.55 | 0.897 |

| Quality Control Samples | | | | | |
|-------------------------|-------------------------|----------------------------|-------------------|-------------------------|--|
| Radionucida | Laboratory Control (LC) | Laboratory Duplicate (LD): | Matrix Spike (MS) | Preparation, Blank (PS) | |
| Ra | SCAGC-9087-LC1 | SCAQC-9067-LD1 | SCAQC-906T-MS1 | SCAQC-9067-PB | |

Radioanalytical Results

Quality Control Sample Preparation Blank (PB)

Report Identification Number; 99067_9115

Project Name: QTIE - TN&A Chain-of-Custody Number: Note Matrix: 20085:
Site Sample ID: N/A
Other Sample ID: PB Collection Date: \$27/2009 11:15:00 AM Date Received: \$27/2009 11:15:00 Laboratory Code: \$2A

| Method Number | Badionuclida | Laboratory Sample ID | Analysis Date/Time | Activity (pCVL) | 2 e Counting Error | Total Error (pCIA) | MDA (ECVL) |
|---------------|--------------|-------------------------|-----------------------|--------------------|--------------------|-----------------------|---------------|
| EPA 900.0 | ALPHA | BCAQC-9087-P81 | 06/21/09 08:43 | -0.147 | 0.886 | 0.889 | 1,67 |
| EPA 900.0 | BETA | SCAQC-9067-P81B | 06/25/09 16:52 | -0.347 | 0.266 | 0.259 | 0.415 |
| ACW03 | U-233/234 | SCAQC-9067-P91 | 06/24/09 16:56 | 0.060 | 0.086 | 0.086 | 0.085 |
| ACW03 | 11-235 | SICAQC-9067-PB1 | 08/24/09 16:56 | 0.000 | 0.000 | 0.135 | 0,100 |
| ACW03 | U-238 | SCAQC-6067-P81 | 06/24/09 16:56 | 0.060 | 0.084 | 0.085 | 0.081 |
| EPA 903.1 | RA-226 | 8CAQC-9067-PB | 06/03/09 13:37 | 0.118 | 0.266 | 0.269 | 0.451 |
| EPA 904.0 | RA-228 | 8CAQC-9067-P8 | 08/02/09 16:12 | 0.394 | 0.358 | 0.377 | 0.557 |

| | | Quality Control Sa | mples | |
|----------------------|-------------------------|---------------------------------------------|-------------------|------------------------------------------|
| Radionucide Alpha | Laboratory Control (LC) | Leboratory Duplicate (LD) SCAQC-9067-LD1 | Matrix Scike (MS) | Preparation Blank (PB) SCAQC-9067-PB1 |
| Beta | 8CAQC-8067-LC18 | SCAQC-9067-LD1 | | SCAQC-9067-P81B |
| Re | SCAQC-8067-LC1 | SGAQC-9067-LD1 | SCAGC-9067-MS1 | SCAQC-9067-P8 |
| U . | SCAQC-9067-LC1 | SCAQC-9067-LD1 | | SCAQC-9967-P81 |

Radioanalytical Results

Quality Control Sample Preparation Blank (PB)

Report Identification Number: \$9057_9115

Project Name: OTIE - TNSA Chain-of-Custody Number: Note Matrix: Youter
Site Sample ID: N/A
Other Sample ID: PB Collection Date: 5/27/2009 11:15:00 AM Date Received: 5/27/2009 11:15:00 Laboratory Code: SCA

| | | Laboratory | Analysis | | 2 e Counting Error | | MOA |
|---------------|-------------|----------------|-------------|---------|--------------------|----------|--------|
| Method Number | Radionucide | Semple_ID | _Date/Time_ | LINCOL) | (bC/L) | _(ECVL)_ | (BCVL) |
| | | SCAQC-9085-P81 | | | 1.37 | 1.42 | 2.56 |

| | | Quality Control Sar | mples | |
|-------------|-------------------------|---------------------------|-------------------|------------------------|
| Badonuclida | Laboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Spike (MS) | Preparation Stank (PB) |
| Alpha | SCAQC-9085-LCB | SCAQC-9085-LD1 | | SCAQC-9085-PB1 |

Radioanalytical Results

Quality Control Sample Preparation Blank (PB)

Report Identification Number: \$9067_9115

Project Name: OTIE - TN&A Chain-of-Custody Number: Note Matrix: Water
Site Sample ID: N/A
Other Sample ID: PB Collection Date: 5/27/2009 11:15:00 AM Date Received: 5/27/2009 11:15:00 Laboratory Code: SCA

| Method Number | Radionucide | Laboratory Sample 1D | Analysis Date/Time | Activity _(pC/L) | 2 er Counting Error | Total Error (pGifL) | MDA (pC/L) |
|----------------|-------------|-------------------------|-----------------------|---------------------|---------------------|------------------------|---------------|
| SM 7500-U C(m) | U-233/234 | SCAGC-8115-P81 | 06/25/09 16:45 | 0.045 | 0.063 | 0.064 | 0.061 |
| SM 7500-U C(m) | U-235 | SCAQC-9115-P91 | 06/26/09 16:45 | 0.000 | 0.000 | 0.136 | 0.075 |
| SM 7500-U C(H) | | SCAQC-9115-P81 | 08/05/09 16:45 | 0.067 | 0.077 | 0.078 | 0.060 |

| | | Quality Control Sa | mples | |
|--------------|-------------------------|---------------------------|-------------------|-----------------------|
| Badionuclide | Laboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Spike (MS) | Precention Blank (PS) |
| U | SCAQC-8115-LC1 | SCAQC-9115-LD1 | | SCAQC-9115-P81 |

Radioanalytical Results

Quality Control Sample Evaluation

Report Identification Number: \$8067_9115

Project Name: OTIE - TNSA

Metric Water

| | | | 100 | ple (LC1) Evaluation | | |
|----------------|------------|-----------------|-----------------------------------------------|----------------------------------------------|--------------------------------------------|-------------------|
| | | Laboratory | Decay Corrected Activity of Spike Added | (DV) Laboratory Combol Sample Activity | Laboratory Control Sample % Recovery | Number of a |
| Method Number | Eadorución | Sample ID | (pQ(L) | (pG/L) | _0Accuracyo_ | Between CV and CV |
| BM 7110C | ALPHA . | SCAQC-9085-LDB | 15.0 ± 0.460 | 14.7 ± 7.86 | 98.2 | 0.049 |
| EPA 900.0 | BETA | SCAQC-9087-LC18 | 17.3 ± 0.399 | 14.6 a 4.70 | 84.2 | 0.848 |
| ACW03 | U-233/234 | SCAQC-9087-LC1 | 4.09 ± 0.025 | 4,80 a 5,18 | 117 | 0.929 |
| ADW03 | U-238 | SCAGC-9067-LC1 | 4.09 a 0.005 | 4.82 ± 1.19 | 118 | 0.967 |
| SM 7500-U C(H) | U-233/234 | SCAQC-9115-LC1 | 4.09 a 0.025 | 3.93 ± 0.893 | 96.0 | 0.275 |
| SM 7500-U C(m) | | S0A00-9115-L01 | 4.00 ± 0.025 | 3.98 ± 0.903 | 97.2 | 0.191 |
| EPA 903.1 | RA-226 | SCAQC-9067-LC1 | 11.2 ± 0.134 | 12.1 ± 3.72 | 108 | 0.358 |
| EPA 904.0 | RA-228 | BCAQC-9087-LC1 | 7.19 ± 0.288 | 6.89 a 2.30 | 95.8 | 0.194 |

| | | Ma | trix Spike Sampl | e (M\$1) Evaluation | en : | | |
|---------------|--------------|----------------|----------------------------------------------|---------------------------------|-----------------------------------|---------------------------------------|------------------------|
| | | Laboratory | (CV) Decay Corrected Activity of Spike Added | Matrix Spike Sample Activity | (DV) Native Sample Activity | Matrix Spike Sample 16 Recovery | Number of a Between |
| Method Number | Radionuclida | Sample ID | (PCH) | (A)(2q) | (pC(L) | _incorrect. | CV and O |
| EPA 903.1 | RA-226 | SCAQC-9067-MS1 | 11.2 ± 0.134 | 12.7 ± 3.90 | 1.27 ± 0.548 | 102 | 0.560 |
| EPA 904.0 | RA-228 | SCAQC-9067-MS1 | 7.19 ± 0.288 | 7.16 ± 2.33 | 0.633 ± 0.488 | 90.5 | 0.029 |

| | | Laborar | tory Dup | lica | rte San | spie (LD | 11) [| valuat | ion | |
|---------------|--------------|-------------------------|----------|----------------|---------|----------|---------------|--------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Method Number | Radionuclida | Leboratory Sample ID | , | nal S Activ | | | cate Activ | | Difference Between Original Activity and Duplicate Sample Activity (F) | Ratio of the Difference Setween the Sample Activity and the Propagated Measurement at 1 o (F/E) |
| 8M 7110C | ALPHA. | SCAQC-9085-LD1 | 20.0 | | 11.1 | 24.8 | | 13.0 | 3.82 | 0.448 |
| EPA 900.0 | ALPHA. | SCAQC-9067-LD1 | 0.046 | = | 0.775 | -0.041 | | 0.800 | 0.067 | 0.157 |
| EPA 900.0 | DETA | SCAQC-9067-LD1 | 0.590 | 2 | 0.703 | -0.075 | | 0.590 | 0.965 | 1.45 |
| ACW00 | U-233/234 | SCAQC-9067-LD1 | 35.4 | * | 8.19 | 38.0 | | 8.99 | 3.24 | 0.633 |
| ACW00 | U-235 | 8CAQC-9067-LD1 | 1.59 | | 0.710 | 1.67 | | 0.745 | 0.085 | 0.165 |
| ACW03 | U-238 | SCAGC-9087-LD1 | 37.6 | | 8.67 | 38.5 | | 8.51 | 1.08 | 0.178 |
| SM 7500-U C(| U-233/234 | SCAQC-9115-LD1 | 24.0 | | 5.55 | 23.9 | ± | 5.38 | 0.730 | 0.189 |
| SM 7500-U C(| U-236 | SCAQC-9115-LD1 | 1.34 | = | 0.560 | 1,36 | | 0.568 | 0.019 | 0.048 |
| SM 7500-U C(| U-238 | BCAQC-9115-LD1 | 25.4 | | 5.71 | 24.6 | | 5.53 | 0.780 | 0.196 |
| EPA 903.1 | RA-226 | SCAQC-9067-LD1 | 0.209 | * | 0.286 | 0.267 | | 0.278 | 0.078 | 0.362 |
| EPA 904.0 | RA-228 | SCAQC-9067-LD1 | 0.166 | | 0.362 | 0.432 | | 0.413 | 0.265 | 0.967 |

Radioanalytical Results

Quality Control Tracer Yield

Report Identification Number: \$9067_9115

Project Name: OTE - TNSA

| Laboratory Sample ID | _U-232 |
|----------------------|--------|
| OTI09-9067-01 | 90.68 |
| OTIO9-9067-01C | 90.66 |
| OTI09-9057-02 | 86.38 |
| OTIO9-9067-028 | 86.38 |
| OT109-9067-03 | 72.19 |
| OT109-9067-03B | 72.19 |
| OTIO9-9057-04 | 75.90 |
| OT109-9057-04B | 75.90 |
| OTIO9-9067-06 | 69.28 |
| QTI09-9067-05B | 69.28 |
| QT109-9067-05 | 67.75 |
| OT109-9067-06B | 67.75 |
| OTI09-9067-11 | 0.33 |
| OT109-8067-11B | 0.33 |
| OT109-9067-12 | 0.35 |
| OT109-9067-129 | 0.35 |
| OT109-9115-01 | 85.48 |
| OT109-9115-02 | 102.08 |
| SCAQC-9067-LC1 | 72.45 |
| SCAQC-9067-LC1 | 72.45 |
| 8CAGC-9067-LD1 | 83.04 |
| SCAQC-9067-P9 | 93.12 |
| SCAQC-9067-P91 | 93.12 |
| SCAQC-9087-PB1 | 93.12 |
| SCAQC-9115-LC1 | 87,41 |
| SCAQC-9115-LD1 | 85.58 |
| SCAQC-9115-PB1 | 85.40 |

Radioanalytical Results

Quality Control Chemical Recovery

Report Identification Number: 59067_9115

Project Name: OTIE - TNSA

| Laboratory Samola, ID | Ra-228 |
|-----------------------|--------|
| OTI09-9067-01 | 129.51 |
| OT109-9067-01C | 129.51 |
| OT109-9067-02 | 129.51 |
| OT109-9067-02B | 129.51 |
| OT109-9067-03 | 129.51 |
| OTIO9-9067-00B | 129.51 |
| OTIO9-9067-04 | 129.51 |
| OT109-906T-04B | 129.51 |
| OT109-9067-06 | 129.51 |
| OT109-9067-06B | 129.51 |
| OTIO9-9067-06 | 129.51 |
| OT109-9067-06B | 129.51 |
| GT109-9067-07 | 129.51 |
| OT109-9067-07B | 129.51 |
| OT109-9067-08 | 129.51 |
| OT109-9067-08B | 129.51 |
| OTI09-9067-09 | 129.51 |
| OT109-9067-09B | 129.51 |
| OTIO9-9067-10 | 129.51 |
| OT109-9007-10B | 129.51 |
| OT109-9067-11 | 129.55 |
| OT109-9067-11B | 129.51 |
| OTI09-8067-12 | 129.51 |
| OTIO9-9067-128 | 129.51 |
| OTI09-9067-13 | 129.51 |
| OT109-9067-138 | 129.61 |
| OTI09-9067-14 | 129.51 |
| OT109-9067-14B | 129.51 |
| OT109-9067-15 | 129.51 |
| OT109-9067-15B | 129.51 |
| SCAQC-9087-LC1 | 129.51 |
| SCAQC-9087-LC1 | 129.51 |

Radioanalytical Results

Quality Control Chemical Recovery

Report Identification Number: 89067_9115

Project Name: OTIE - TNSA

| Laboratory Sample ID | Ra-228 |
|----------------------|--------|
| SCAQC-9067-LD1 | 129.51 |
| SCAGC-9067-MS1 | 129.61 |
| SCAQC-9067-P8 | 129.81 |
| SCAQC-9067-PB1 | 129.51 |
| SCAQC-9067-PB1 | 129.51 |



July 1, 2009

Ms. Ewelina Mutkowska OTIE- TN&A 317 E. Main St Ventura, CA 93001

Dear Ms. Mutkowska:

On May 28, 2009, 13 water samples were received for analysis at the GPL Laboratories Alabama, LLC. The samples were assigned Laboratory Report Identification Code 9068_9089. Enclosed is the Sample Data Package containing the radioanalytical results of the sample.

If you have any questions please do not hesitate to call.

Sincerely,

Richard Turner Laboratory Director

COVER PAGE

GPL Laboratories Alabama, LLC 1000 Monticello Court Montgomery, Alabama 36117

NELAC Certification ID: NLC080001 (AL001)

Laboratory Report Identification Code: 9068

Sample Matrix: Water

| Site Sample Number | Laboratory Sample Number |
|--------------------|--------------------------------|
| CP-0905005 | OT109-9068-01 OT109-9089-01 |
| CP-0905006 | OT109-9068-02 OT109-9089-02 |
| CP-0905001 | OTI09-9068-03 OTI09-9089-03 |
| CP-0905002 | OTI09-9068-04 OTI09-9089-04 |
| CP-0905023 | OT109-9068-05 OT109-9089-05 |
| CP-0905024 | OT109-9068-06 OT109-9089-06 |
| CP-0905013 | OTI09-9068-07 OTI09-9089-07 |
| CP-0905014 | OT109-9068-08 OT109-9089-08 |
| CP-0905017 | OTI09-9068-09 OTI09-9089-09 |
| CP-0905018 | OT109-9068-10 OT109-9089-10 |
| CP-0905021 | OT109-9068-11 OT109-9089-11 |
| CP-0905022 | OT109-9068-12 OT109-9089-12 |
| CP-0905028 | OT109-9068-13 OT109-9089-13 |

COVER PAGE(continued)

GPL Laboratories Alabama, LLC 1000 Monticello Court Montgomery, Alabama 36117

NELAC Certification ID: NLC080001 (AL001)

Laboratory Report Identification Code: 9068_9089

Comments: There were no problems encountered during sample receiving.

"I certify that this sample data parkage is in compliance with contract requirements, both technically and for completeness. It clease of the data contained in this hard-copy sample data package has been surhorized by the Laboratory Director or the Laboratory Director designee, as verified by the following signature."

Signature

Richard Turner Laboratory Director 07/01/2009

Name Title Date

CASE NARRATIVE

Laboratory Report Identification Number: 9068_9089

NELAC Certification ID: NLC080001 (AL001)

July 1, 2009

I. Introduction

On May 28, 2009, 13 water samples were received for analysis at the GPL Laboratories Alabama, LLC located in Montgomery, Alabama. The samples were analyzed in accordance with the GPL Laboratory Quality Assurance Plan.

The data in this report meets all NELAC requirements unless otherwise stated.

II. Analytical Methodology

The radioanalytical results reported for the sample include the site and laboratory sample identification numbers, collection date, method of analysis, and the quality control samples that were analyzed concurrently. The samples were analyzed by the following methods.

| Radionuclide | Method Number | Method Name | Counting Method | |
|------------------|---------------|-------------------------------------------------|------------------------------|--|
| Co-Precipitation | 8M711C | Gross Alpha Radioactivity | Gas Proportional Counting | |
| Gross Alpha (U) | EPA 900.0 | Gross Alpha Radioactivity | Gas Proportional Counting | |
| Gross Beta | EPA 900.0 | Geoss Beta Radioactivity | Gas Proportional Counting | |
| Ra-226 | EPA 903.1 | Radium-226 Radon Emanation Technique | Radon PlasioScales | |
| Ra-228 | EPA 904.0 | Radium-228 | Gas Proportional Counting | |
| Unanium | ACW03 | Eichrom Industries Extraction Chromatography | Alpha Spectrometry | |

III. Analytical Results

Deficiencies

See "Re-analysis" section.

Matrix Interferences

There were no indications of matrix interference.

Detection Limits

The required detection limits (RDLs) were met for all sample analyses.

Re-analysis

Upon further review of the package, the gross alpha detection limits were not met for some of the samples. Those samples were recounted at longer times to achieve detection limits.

Deviations from Protocols

There were no deviations from the written protocols and analytical methods.

Contacts with the Technical Representative

There was no contact with the Technical Representative regarding these samples.

IV. Quality Control

The analytical results of all quality control samples met the acceptance criteria specified in the GPL Laboratory Quality Assurance Plan.

Radioanalytical Results

Radioanalytical Results

Report Identification Number: \$8068_9089

Project Name: QTIE: TN&A Chain-of-Custody Number: Matrix: Water
Site Sample ID: CP-0905005

Other Sample ID: Cullection Date: 5/27/2009 11:45:00 AM Date Received: 5/28/2009 845:00

Other Sample ID: Gollection Date: 5/27/2009 11:45:00 AM Date Received: 5/25/ Batch Number: 9088 Laboratory Code: SCA

| Method Number | Badionucide | | Analysis _Date/Time_ | Activity _BGAL | 2 or Counting Error (gCI/L) | Total Error (pCVL) | MDA (bCIE) |
|---------------|-------------|----------------|-------------------------|-------------------|--------------------------------|-----------------------|---------------|
| EPA 900.0 | BUTA | OT109-9068-018 | 06/24/09 18:19 | 21.8 | 1.52 | 0.67 | 1.37 |
| ACIW03 | U-233/234 | OT109-9068-01 | 06/24/09 19:59 | 29.2 | 2.77 | 6.46 | 0.110 |
| ACW03 | U-235 | OTI09-9088-01 | 06/24/09 10:59 | 1.23 | 0.362 | 0.517 | 0.136 |
| ACW03 | U-238 | OT109-9068-01 | 06/24/09 16:59 | 28.0 | 2.68 | 6.20 | 0.063 |
| EPA 903.1 | RA-226 | OT109-9068-01 | 06/09/09 18:35 | 2.04 | 0.383 | 0.722 | 0.420 |
| EPA 904.0 | RA-228 | OT109-9088-01 | 06/03/09 17:40 | 0.547 | 0.378 | 0.412 | 0.562 |

| | | Quality Control Say | reples | |
|--------------|-------------------------|---------------------------|-------------------|------------------------|
| Radionuclide | Laboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Spike (MS) | Preparation Blank (PB) |
| Deta | SCAQC-9068-LCB | SCAQC-9068-LD1 | | SCAQC-9068-PB1 |
| Ra | SCAQC-9068-LC1 | SCAGC-9068-LD1 | SCAQC-9068-MS1 | SCAQC-6068-PB |
| U | SCADC-9067-LC1 | SCACC-9087-LD1 | | SCAQC-9067-PB1 |

Radioanalytical Results

Report Identification Number: \$9068_9089

Project Name: OTIE - TM&A

Chain-of-Custody Number:

Matric Water

Site Sample ID: CP-0905006

Other Sample ID:

Collection Date: 5/27/2009 12:00:00 PM

Date Received: 5/28/2009 8:45:00.

Batch Number: 9058

| Method Number | Badonuside | Laboratory Sample ID | Analysis Date/Time | Activity (bGIL) | 2 or Country Error (aCVL) | Total Error (pCVL) | MDA (sGISL) |
|---------------|------------|-------------------------|-----------------------|--------------------|------------------------------|-----------------------|----------------|
| EPA 900.0 | BETA. | OT109-9068-028 | 05/24/09 18:19 | 12.2 | 1.61 | 4.00 | 1.92 |
| ACW03 | U-233/234 | QT109-9068-02 | 06/24/99 17:00 | 30.1 | 3.05 | 6.74 | 0.062 |
| ACW03 | U-235 | OT109-9068-02 | 06/24/09 17:00 | 1.24 | 0.587 | 0.636 | 0.076 |
| ACW03 | U-238 | OT109-9068-02 | 06/24/09 17:00 | 28.9 | 2.94 | 0.49 | 0.061 |
| EPA 903.1 | RA-226 | OT109-9068-02 | 05/09/09 18:35 | 4.44 | 0.504 | 1.42 | 0.431 |
| EPA 904.0 | RA-228 | OT109-9068-02 | 06/03/09 17:41 | 0.293 | 0.345 | 0.356 | 0.661 |

| | | Quality Control Say | mples | |
|------------|-------------------------|---------------------------|-------------------|------------------------|
| Badonucide | Laboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Spite (MS) | Preparation Blank (PB) |
| Deta | SCAQC-9088-LC8 | 8CAQC-9066-LD1 | | SCAGC-9068-PB1 |
| Re | SCAQC-8088-LC1 | SCAQC-9068-LD1 | SCADC-9068-M81 | 8CAQC-9068-PB |
| U | SCAGC-9067-LC1 | SCAQC-9067-LD1 | | SCAQC-9067-PB1 |

Radioanalytical Results

Report Identification Number: \$9068_9089

Project Name: OTIE - TNSA

Chain-of-Custody Number:

Matrix: Water

Site Sample ID: CP-0905001

Other Sample ID:

Collection Date: 5/27/2009 8:00:00 AM

Date Received: 5/25/2005 8:45:00

Batch Number: 9055

| Method Number | Badionuolide | Laboratory Sample ID | Analysis Date/Time | Activity (sG/L) | 2 a Counting Error | Total Error (pQ(L) | MDA (bG/L) |
|---------------|--------------|-------------------------|-----------------------|--------------------|--------------------|-----------------------|---------------|
| EPA 900.0 | BETA | OT109-9068-038 | 08/24/09 18:20 | 6.33 | 0.899 | 2.10 | 1.15 |
| EPA 903.1 | RA-226 | OT109-9068-03 | 06/09/09 20:07 | 4.88 | 0.524 | 1.56 | 0.446 |
| EPA 904.0 | IU-228 | OT109-9068-03 | 06/03/09 17:40 | 2.20 | 0.547 | 0.867 | 0.566 |

| | STOWN LINEOUS VOCAV | Quality Control Sa | mples | |
|---------------------|-------------------------------------------|---------------------------------------------|-------------------|------------------------------------------|
| Radionucide Beta | Laboratory Control (LC) SCAQC-9068-LCB | Leberatory Duplicate (LD) SCAQC-9088-LD1 | Matrix Scike (MS) | Preceration Stank (PS) SCAQC-9058-PS1 |
| Ra | SCAQC-9068-LC1 | SCAGC-9068-LD1 | 8CAQC-9068-M81 | SCAQC-9068-P8 |

Radioanalytical Results

Report Identification Number: \$9068_9089

Project Name: OTIE - TNSA

Chain-of-Custody Number:

Matrix Water

Site Sample ID: CP-0905002

Other Sample ID:

Collection Date: 5/27/2009 8:15:00 AM

Date Received: 5/25/2009 8:45:00

Satch Number: 9055

| Method Number | Badoniolda | Leboratory Sample ID | Analysis Date/Time | Activity _(pC/L)_ | 2 a Counting Error (pCVL) | Total Error (pCVL) | MDA (bClfL) |
|---------------|------------|-------------------------|-----------------------|----------------------|------------------------------|-----------------------|----------------|
| EPA 900.0 | BETA | OT109-9065-04B | 06/24/09 18:20 | 6.52 | 0.858 | 2.14 | 1.06 |
| EPA 903.1 | RA-226 | OT109-9068-04 | 06/06/09 20:07 | 5.61 | 0.550 | 1.74 | 0.380 |
| EPA 904.0 | RA-228 | OT109-9068-04 | 06/04/09 13:25 | 4.46 | 0.738 | 1.53 | 0.899 |

| | contribution coulds. | Quality Control Sa | mples | Albeidebasses von Se |
|--------------------|-------------------------------------------|---------------------------------------------|-------------------|-----------------------------------------|
| Badonucide Beta | Leboratory Control (LC) SCAQC-6088-LCB | Laboratory Duplicate (LD) SCAQC-9088-LD1 | Matrix Solva (MS) | Precerator Blank (PB) SCAQC-9068-PB1 |
| Pa | SCAQC-9068-LC1 | SCAQC-9068-LD1 | SCAQC-9068-MS1 | SCAQC-9068-PB |

Radioanalytical Results

Report Identification Number: 59068_9089

Project Name: QTIE: TNSA Chain-of-Custody Number: Matrix: Visite:

Site Sample ID: CP-0905023

Other Sample ID: Collection Date: 5/27/2009 8:30:00 AM Date Received: 5/28/2008 8:45:00.

Batch Number: 9058 Laboratory Code: SCA

| Method Number EPA 900.0 | | Laboratory Sample ID OTIOS-9088-068 | Analysis Date/Time_ 06/24/09 18:21 | | 2 = Counting Error (pCHL) 0.869 | Total Error (pC/L) 1.98 | MDA _10G(L) |
|----------------------------|--------|-------------------------------------------|------------------------------------------|------|---------------------------------------|-------------------------------|----------------|
| EPA 903.1 | | OT109-9058-05 | 06/10/09 13:46 | 5.55 | 0.550 | 1.78 | 0.424 |
| EPA 904.0 | RA-228 | OTIO9-9088-05 | 06/04/09 13:25 | 4.88 | 0.762 | 1.66 | 0.589 |

| N-984-517 | | Quality Control Sar | mples | |
|-----------|-------------------------|---------------------------------------------|-------------------|------------------------------------------|
| | Laboratory Control (LC) | Laboratory Duplicate (LD) SCAQC-8068-LD1 | Matrix Solve (MS) | Preparation Blank (PS) SCADC-9068-PB1 |
| Beta | SCAQC-9058-LCB | | | |
| Ra | SCAQC-9068-LC1 | SCAQC-9068-LD1 | SCAQC-9068-MS1 | SCAQC-9068-PB |

Radioanalytical Results

Report Identification Number: \$9068_9089

Project Name: QTIE - TN&A Chain-of-Custody Number: Matrix: Water
Site Sample ID: CP-0905004

Other Sample ID: Collection Date: 5/27/2009 5:45:00 AM Date Received: 5/28/2009 8:45:00.

Blatch Number: 9055 Laboratory Code: SCA

| Method Number | Bationuclida | Laboratory Sample ID | Analysis _Date(Time_ | Activity _IpCl/L1 | 2 a Counting Error (pC/L) | Total Error (pCl(L) | MDA (BC/L) |
|---------------|--------------|-------------------------|-------------------------|----------------------|------------------------------|------------------------|------------|
| EPA 900 0 | BETA | DT109-9068-06B | 06/23/09 18:18 | 5.03 | 0.787 | 1.70 | 1.04 |
| EPA 903.1 | RA-226 | GT09-9068-06 | 06/10/09 13:46 | 6.29 | 0.592 | 1.98 | 0.426 |
| EPA 904.0 | RA-228 | OT109-9068-06 | 06/04/09 13:25 | 4.07 | 0.722 | 1.42 | 0.639 |

| | | Quality Control Sar | mples | |
|---------------------|-------------------------------------------|---------------------------------------------|--------------------|-----------------------------------------|
| Radionucide Deta | Laboratory Control (LC) SCAQC-9068-LCB | Leboratory Duplicate (LD) SCAQC-6068-LD1 | Matrix Solice (MS) | Precention Blank (PB) SCAQC-9088-PB1 |
| Ra | SCAQC-9068-LC1 | SCAGC-9988-LD1 | SCAQC-9068-MS1 | SCAQC-9088-P8 |

Radioanalytical Results

Report Identification Number: \$9065_9089

Project Name: QTIE - TNSA Chain-of-Custody Number: Matrix: Y9885
Site Sample ID: CP-0905013
Cther Sample ID: Collection Date: 5/27/2009 11:00:00 AM Date Received: 5/28/2009 8:45:00
Batch Number: 9058 Laboratory Code: SCA

| Method Number | Badionuclide | Laboratory Sample ID | Analysis Date/Time | Activity (pCifL) | 2 e Counting Error (pCVL) | Total Error (pC(5)) | MDA (pC(A) |
|---------------|--------------|-------------------------|-----------------------|---------------------|------------------------------|------------------------|---------------|
| EPA 900.0 | DETA | OT109-9068-07B | 06/23/09 18:18 | 26.5 | 1.74 | 8.12 | 1.54 |
| ACVVID | U-233/234 | OT109-9068-07 | 06/24/09 17:00 | 28.8 | 2.83 | 6.42 | 0.057 |
| ACVV03 | U-236 | OT109-9068-07 | 05/24/09 17:00 | 1.14 | 0.566 | 0.492 | 0.070 |
| ACW00 | U-238 | OTIO9-9068-07 | 05/24/09 17:00 | 25.5 | 2.55 | 5.70 | 0.118 |
| EPA 903.1 | RA-226 | OT109-9068-07 | 06/10/09 13:46 | 1.30 | 0.363 | 0.525 | 0.471 |
| EPA 904.0 | RV-228 | OT109-9068-07 | 06/04/09 13:26 | 1.60 | 0.489 | 0.685 | 0.538 |

| | | Quality Control Sa | mples | |
|-------------|-------------------------|---------------------------|-------------------|------------------------|
| Radionucide | Laboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Spike (MS) | Preparation Blank (PB) |
| Deta | SCAQC-9068-LCB | SCAQC-9068-LD1 | | SCAQC-9068-PB1 |
| Ra | SCAQC-9068-LC1 | SCAQC-9068-LD1 | SCAQC-9066-MS1 | SCAQC-9068-PB |
| U | SCAQC-9067-LC1 | SCAQC-6067-LD1 | | 8CAGC-8067-P91 |

Radioanalytical Results

Report Identification Number: \$9068_9069

Project Name: OTIE - TN&A

Chain-of-Quetody Number:

Matrix: Water

Other Sample ID:

Site Sample ID: CP-0905014

Collection Date: 5/27/2009 11:15:00 AM

Date Received: 5/28/2009 8:45:00

Batch Number: 9068

| Method Number | Badionuclide | Laboratory Sample ID | Analysis Date/Time | Addivity (pCit.) | 2 o Counting Error (pC/L) | Total Error (pCVL) | MDA (pQIL) |
|---------------|--------------|-------------------------|-----------------------|---------------------|------------------------------|-----------------------|---------------|
| EPA 900.0 | BETA | OT109-9068-088 | 06/24/09 18:21 | 19.2 | 1.42 | 5.94 | 1.36 |
| ACW03 | U-233/234 | OT109-9068-08 | 06/24/09 17:00 | 29.9 | 2.78 | 6.59 | 0.054 |
| ACW03 | U-235 | OT109-9068-08 | 06/24/09 17:00 | 1.22 | 0.357 | 0.511 | 0.066 |
| ACIW03 | U-238 | OT109-9058-05 | 06/24/09 17:00 | 27.1 | 2.56 | 5.99 | 0.063 |
| EPA 903.1 | RA-226 | QT109-9068-08 | 06/10/09 13:46 | 0.775 | 0.304 | 0.383 | 0.435 |
| EPA 904.0 | RA-225 | OT109-9068-08 | 06/04/09 13:26 | 2.14 | 0.556 | 0.849 | 0.593 |

| | | Quality Control Sar | reples | |
|---------------------|-------------------------------------------|---------------------------------------------|-------------------|------------------------------------------|
| Radionucide Data | Laboratory Control (LC) SCAQC-9058-LCB | Laboratory Duplicate (LD) SCAQC-9058-LD1 | Matrix Spike (MS) | Preparation Blank (PE) SCAQC-9068-PB1 |
| Re | 8GAQC-8088-LC1 | SCAQC-9068-LD1 | 8CAQC-6068-M81 | SCAQC-9068-PB |
| U | 8CAQC-9067-LC1 | SCAGC-90874LD1 | | SCAGC-9087-P91 |

Radioanalytical Results

Report Identification Number: \$9068_9069

Project Name: OTIE - TNSA Chain-of-Custody Number: Matrix Water

Site Sample ID: CP-0905017

Other Sample ID: Collection Date: 5/27/2009 9/30/00 AM Date Received: 5/28/2009 8/45/00 Batch Number: 9055 Laboratory Code: 5/25

| Method Number EPA 900.0 | Radionucide BETA | Laboratory Sample ID OTIO9-9068-098 | Analysis | Activity (pCifL) 0.375 | 2 e Counting Error (pCifL) 0.635 | Total Error tsG/L1 0.645 | MDA _6(0%) 1.03 |
|----------------------------|---------------------|-------------------------------------|----------------|------------------------------|----------------------------------------|--------------------------------|-----------------------|
| ACIW03 | U-233/234 | OT109-9068-09 | 06/24/09 17:00 | 20.6 | 2.22 | 4.67 | 0.062 |
| ACW03 | U-235 | OT109-9068-09 | 06/24/09 17:00 | 0.852 | 0.319 | 0.409 | 0.077 |
| ACW03 | U-238 | OT109-9068-09 | 06/24/09 17:00 | 17.8 | 1.98 | 4.07 | 0.082 |
| EPA 903.1 | RA-226 | OT109-9058-09 | 06/10/09 14:53 | 2.14 | 0.368 | 0.736 | 0.306 |
| EPA 904.0 | RA-228 | OT109-9058-09 | 06/04/09 13:27 | 2.51 | 0.594 | 0.960 | 0.507 |

| | and the last of the | Quality Control Sar | mples | |
|-------------|-------------------------|---------------------------|-------------------|-------------------------|
| Radionucide | Laboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Spike (MS) | Preparation Blank (Pti) |
| Bets | SCAQC-9088-LCB | SCAQC-9068-LD1 | | SCAQC-9068-PB1 |
| Pa | 8CAQC-8088-LC1 | SCAQC-9068-LD1 | SCAQC-9068-MS1 | SCAQC-9068-P8 |
| U | SCAGC-8087-LC1 | SCAQC-9067-LD1 | | SCAQC-906T-P91 |

Radioanalytical Results

Report Identification Number: 89068_9089

Project Name: OTIE - TN&A

Chain-of-Custody Number:

Marrisc Water

Site Sample ID: CP-0905018

Other Sample ID:

Collection Date: 5/27/2008 9:45:00 AM

Date Received: 5/25/2009 8:45:00.

Batch Number: 9068

| Method Number | 126711111111111111111111111111111111111 | | Analysis _Date/Time_ | Activity (pCi(L) | 2 a Counting Error (pGIL) | Total Error (pG/L) | MDA (BC/L) |
|---------------|-----------------------------------------|----------------|-------------------------|---------------------|------------------------------|-----------------------|---------------|
| EPA 900.0 | BETA | OT109-9068-10B | 06/24/09 18:21 | 7.83 | 0.807 | 2.48 | 0.858 |
| ACW03 | U-233/234 | OT109-9058-10 | 05/24/09 17:00 | 12.7 | 1.48 | 2.93 | 0.068 |
| ACW03 | U-235 | OT109-9068-10 | 06/24/09 17:00 | 0.395 | 0.208 | 0.240 | 0.072 |
| ACW03 | U-238 | QT109-9068-10 | 06/24/09 17:00 | 11.7 | 1,39 | 2.72 | 0.058 |
| EPA 903.1 | RA-226 | OT109-9068-10 | 06/10/09 14:53 | 0.440 | 0.304 | 0.331 | 0.472 |
| EPA 904.0 | RA-228 | QT109-9058-10 | 06/04/09 13:27 | 1.64 | 0.506 | 0.706 | 0.577 |

| | | Quality Control Say | mples | |
|-------------|-------------------------|---------------------------|-------------------|------------------------|
| Bedonuclide | Laboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Spike (MS) | Preparation Blank (PB) |
| Beta | SCAQC-9068-LC8 | SCAQC-9068-LD1 | | SCAQC-6088-PB1 |
| Re | SCAQC-9068-LC1 | SCAQC-9068-LD1 | SCAQC-9088-MS1 | SCAGC-9068-PB |
| U | 8CAQC-9067-LC1 | SCAQC-9007-LD1 | | SCAQC-9067-PB1 |

Radioanalytical Results

Report Identification Number: 59068_9089

Project Name: QTE:-TNSA

Chain-of-Custody Number:

Matrix: Water

Ste Sample ID: <u>CP-0905021</u>

Other Sample ID:

Collection Date: 5/27/2009 12:30:00 PM

Date Received: 5/28/2009 5:45:00.

Slatch Number: \$055

| Method Number | Badlonucide | Laboratory Sample ID: | Analysis Date/Time_ | Activity (pC)/L) | 2 or Counting Error (pC/L) | Total Error (pCVL) | MDA (BCIA) |
|---------------|-------------|--------------------------|------------------------|---------------------|-------------------------------|-----------------------|---------------|
| EPA 900.0 | BETA. | OTI09-9068-11B | 06/23/09 18:19 | 52.6 | 2.36 | 16.0 | 1.48 |
| ACW09 | U-233/234 | OTI09-9068-11 | 06/24/09 17:01 | 23.5 | 2.45 | 5.30 | 0.061 |
| ACWES | U-236 | OTIO9-9068-11 | 06/04/09 17:01 | 0.996 | 0.342 | 0.464 | 0.075 |
| ACW03 | U-238 | OT109-9068-11 | 06/24/09 17:01 | 24.1 | 2.51 | 5.44 | 0.060 |
| SPA 903.1 | RA-226 | OTIO9-9068-11 | 06/10/09 14:53 | 1,00 | 0.330 | 0.446 | 0.451 |
| EPA 904.0 | RA-228 | OT109-9068-11 | 06/04/09 13:27 | 2.61 | 0.592 | 0.967 | 0.595 |

| | | Quality Control Sar | mples | |
|---------------------|-------------------------------------------|---------------------------------------------|-------------------|------------------------------------------|
| Radionucide Beta | Laboratory Control (LC) SCAQC-8068-LCB | Laboratory Duplicate (LD) SCAQC-9068-LD1 | Matrix Solve (MS) | Preparation Blank (PS) SCAQC-8068-PB1 |
| Ra | 80A00-9088-L01 | SCAQC-9068-LD1 | SCAQC-9068-MS1 | 8CAQC-9068-PB |
| U | SCAQC-9067-LC1 | SCAQC-9067-LD1 | | SCAQC-9067-PB1 |

Radioanalytical Results

Report Identification Number: 59068_9069

Project Name: QTIE - TNSA Chain-of-Custody Number: Matrix: Water
Site Sample ID: CP-0905022
Other Sample ID: Collection Date: 5/27/2009 12:45:00 PM Date Received: 5/28/2008 8:45:00.

Batch Number: 9055 Laboratory Code: SCA

| Method Number | Radionucide | Laboratory Sample ID | Analysis Dete/Time_ | Activity (pO/L) | 2 s Counting Error (pO/L) | Total Error (pC/L) | MCA (pCVL) |
|---------------|-------------|-------------------------|------------------------|--------------------|------------------------------|-----------------------|---------------|
| EPA 900.0 | | OTIO9-9088-12B | 06/25/00 16:58 | 26.7 | 1.50 | 0.18 | 1.38 |
| ACWES | U-233/234 | OT109-9088-12 | 06/24/09 17:01 | 16.2 | 1.94 | 4.13 | 0.055 |
| ACWID . | U-236 | OT109-9068-12 | 06/24/09 17:01 | 0.656 | 0.263 | 0.328 | 0,068 |
| ACWID | U-238 | OT109-9068-12 | 06/24/09 17:01 | 18.7 | 1.98 | 4.23 | 0.098 |
| EPA 903.1 | | OT109-9068-12 | 05/10/09 14:53 | 0.662 | 9.274 | 0.338 | 0.384 |
| EPA 904.0 | RA-228 | OT109-9068-12 | 06/04/09 14:00 | 1.07 | 0.522 | 0.684 | 0.648 |

| | | Quality Control Sa | mples | |
|----------------------|-------------------------------------------|---------------------------------------------|-------------------|------------------------------------------|
| Badionuclida Bata | Leboratory Control (LC) SCAQC-9068-LCB | Leboratory Duplicate (LD) SCAQC-9098-LD1 | Matrix Salke (MS) | Preparation Blank (PS) SCAQC-9068-P81 |
| Re | SCAQC-9068-LC1 | SCAQC-9088-LD1 | SCAQC-9068-M51 | 8CAQC-9088-PB |
| D. | SCAGC-90674.C1 | SCADC-9067-LD1 | | 8CAQC-9067-PB1 |

Radioanalytical Results

Report Identification Number: \$9056_5089

Project Name: QTIE - TN&A Chain-of-Custody Number: Matrix: Wister

Site Sample ID: QP-0905028

Other Sample ID: Collection Date: 5/27/2009 1:15:00 PM Date Received: 5/28/2009 8:45:00.

Batch Number: 9058 Laboratory Code: SGA

| Method Number | Badicoudide | | Analysis _Dete/Time | Activity (pCVL) | 2 # Counting Error (pCVL) 0.688 | Total Error (pCVL) 0.727 | MDA (bC/L) 1.15 |
|---------------|-------------|---------------|------------------------|--------------------|---------------------------------------|--------------------------------|-----------------------|
| EPA 900.0 | ALPHA | QT(09-9068-13 | 06/22/09 17:39 | -0.469 | 5.50 | | |
| EPA 900.0 | BETA | OT109-9068-13 | 06/15/09 15:50 | 1.25 | 0.764 | 0.861 | 1.10 |
| EPA 903.5 | RA-226 | OT109-9068-13 | 06/10/09 16:50 | 1.83 | 0.371 | 0.662 | 0.431 |
| EPA 904.0 | RA-228 | OT109-9058-13 | 06/04/09 14/01 | 1.09 | 0.511 | 0.607 | 0,686 |

| | | Quality Control Bar | nples | |
|-----------------------|----------------------------------|---------------------------------------------|-------------------|------------------------------------------|
| Hadionuclide Alpha | Laboratory Control (LC) | Laboratory Duplicate (LD) SCAQC-9058-LD1 | Matrix Solve (MS) | Preparation Blank (PSD SCAGC-9068-PB1 |
| Deta | 8CAGC-9068-LC8 8CAGC-9068-LC1 | SCAQC-9958-LD1 SCAQC-9958-LD1 | SCAGC-9068-MS1 | SCAQC-9068-PB1 SCAQC-9068-PB |

Radioanalytical Results

Report Identification Number: \$9068_9089

Project Name: OTIE - TNSA

Chain-of-Custody Number:

Matrix: Water

Ste Sample ID: QP-0905015

Other Sample ID:

Collection Date: 5/26/2009.8:30:00 AM

Date Received: 5/25/2009.8.45.00.

Batch Number: 9055

| Method Number ACVV00 | | Laboratory Sample ID OT109-9067-01 | Analysis Date/Time_ 09/24/09 10:57 | Activity (pCif.) | 2 e Counting Error (sCIA) 4.12 | Total Error igCVU 0.19 | MDA (0CHL) 0.087 |
|-------------------------|-------|------------------------------------------|------------------------------------------|---------------------|--------------------------------------|------------------------------|------------------------|
| ACWG3 | U-235 | OTIOS-8067-01 | 06/24/09 16:57 | 1.59 | 0.526 | 0.710 | 0.108 |
| ACW08 | | OTIO9-9067-01 | 06/24/09 18:57 | 37.6 | 4.33 | 8.67 | 0.153 |

| | | Quality Control Sax | mples | |
|--------------|-------------------------|---------------------------|-------------------|-----------------------|
| Badicouclide | Laboratory Control (LC) | Leboratory Duplicate (LD) | Matrix Solve (MS) | Precention Blank (PS) |
| U | SCAQC-9097-LC1 | SCAQC-9067-LD1 | | SCAQC-9067-P81 |

Radioanalytical Results

Report Identification Number: \$9066_9089

Project Name: OTIE - TN&A

Chain-of-Custody Number:

Matrix: Water

Site Sample ID: <u>CP-0905005</u>

Other Sample ID:

Collection Date: 5/27/2009 11:45:00 AM Date Received: 5/25/2009 8:45:00.

Batch Number: 9089

Laboratory Code: SCA

| | | Laboratory | Analysis | Activity | 2 a Counting Error | The second of | MDA |
|---------------|-------------|---------------|----------------|----------|--------------------|---------------|--------|
| Method Number | Sadonuolite | Sample ID | _Date/Time_ | (MCVL) | (pC/L) | _BCH.)_ | _0C(L) |
| SM 71100 | | QTI09-9089-01 | 06/20/09 11:11 | 32.1 | 4.31 | 16.6 | 2.15 |

Quality Control Samples

Radionuclide Laboratory Control (LC) SCAQC-9089-LCB Alpha

Laboratory Duplicata (LO)

Matrix Spike (MS)

Preparation, Black, (PS) SCAQC-9089-P9

SCAQC-9089-LD1

Radioanalytical Results

Report Identification Number: \$9068_9069

Project Name: QTIE - TNSA Chain-of-Custody Number: Matrix: Water
Site Sample ID: CP-0905006
Collection Date: 5/27/2009 12:00:00 PM Date Received: 5/25/2008 5:45:00.
Batch Number: 9089 Laboratory Code: 5/26

| Method Number | Radionuclide | Laboratory Sample ID | Analysis Date/Time | | 2 & Counting Error (pCifL) | Yotal Error (pCIL) | MDA _(pC/L) |
|---------------|--------------|-------------------------|-----------------------|------|-------------------------------|-----------------------|----------------|
| | | | 06/20/09 11:11 | 30.1 | 4.04 | 15.6 | 1.70 |

| | | Quality Control Sa | mples | |
|-------------|-------------------------|---------------------------|-------------------|------------------------|
| Badionucide | Laboratory Control (LC) | Laboratory Duplicate (LD) | Macrix Spike (MS) | Preparation Stank (PB) |
| Alpha | SCADC-9089-LDB | SCAQC-9089-LD1 | | SCAQC-9089-PB |

Radioanalytical Results

Report Identification Number: 89088_9089

Project Name: OTIE - TNSA

Chain-of-Custody Number:

Meric Water

Other Sample ID:

Site Sample ID: <u>CP-0905001</u>

Collection Date: 5/27/2009 8:00:00 AM

Date Received: 5/25/2009 8:45/30.

Batch Number: \$088

Laboratory Code: SCA

| | | Laboratory | Analysis | | 2 a Counting Error | Total Error (pC/S) | MDA (pCVL) |
|----------|--------|---------------|----------------|------|--------------------|-----------------------|---------------|
| | | | | | 434 | 18.0 | 1.53 |
| SM 7110C | ALPHA. | OT109-9089-03 | QT/Q1/Q9 16:49 | 36.0 | 4.34 | 19.0 | |

Quality Control Samples Preparation Black (PB) Leboratory Duplicate (LD) Matrix Spike (MS) Radionucide Laboratory Control (LC) SCAQC-9089-PB SCAQC-9089-LD1 SCAQC-9089-LCB Alpha

Radioanalytical Results

Report Identification Number: 59068_9089

Project Name: OTIE - TNSA

Chain-of-Custody Number:

Matrix: Yorker

Other Sample ID:

Site Sample ID: <u>CP-0905002</u>

Collection Date: 5/27/2006 & 15:00 AM

Date Received: 5/26/2009 8:45:00.

Batch Number: 9089

| Method Number | Badionuside | Laboratory Sample ID | | (bCVL) | | _0C(L)_ | MDA (pC/L) |
|---------------|-------------|-------------------------|----------------|--------|------|---------|---------------|
| SM 7110C | ALPHA | OT109-9089-04 | 07/01/09 16:49 | 34.9 | 4.34 | 18.0 | 1.40 |

| | | Quality Control Say | mples | To the control of the control of |
|--------------|-------------------------------------------|---------------------------------------------|-------|-----------------------------------------|
| Radionuclide | Leberatory Control (LC) SCACC-9089-LCB | Leboratory Duplicate (LD) SCACC-9089-LD1 | | Preparation Blank (PS) SCAQC-9089-PB |

Radioanalytical Results

Report Identification Number: \$9066_9069

Project Name: OTIE - TN&A

Chain-of-Custody Number:

Matrix: Water

Other Sample 10:

Site Sample ID: CP-0905023

Collection Date: 5/27/2009 8:30:00 AM

Date Received 5/28/2008 8/65/20.

Batch Number: 1089

Laboratory Code: SCA

| | | | | Activity | 2 o Counting Error | Total Error | MDA. |
|---------------|-------------|---------------|-----------------------|----------|--------------------|-------------------|---------|
| Method Number | Radionucide | Sample ID | Analysis Date/Time | | | The second second | (oCit.) |
| | ALPHA | QT109-9089-05 | 67/01/09 21:20 | 26.3 | 4.04 | 13.8 | 1.81 |

Quality Control Samples

Radionucide Laboratory Control (LC)

Laboratora Duplicate (LD) Matrix Spike (MS)

Preparation Blank (PB) SCAQC-9089-PB

Alpha

8CADC-9089-LC8

SCAGC-9089-LD1

Radioanalytical Results

Report Identification Number: \$9065_9089

Project Name: OTIE - TNSA

Chain-of-Custody Number:

Macro: Water

Site Sample ID: CP-0905024

Other Sample ID:

Collection Date: 5/27/2009 8:45:00 AM

Date Received: \$/28/2009 8:45:00.

Batch Number: 9059

Laboratory Code: SCA

| Method Number on 7110C | | | Inte/Time(pC/L) | a become a | Total Error 19G/L1 17.0 | Actual Control of the |
|---------------------------|--|--|-----------------|------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|---------------------------|--|--|-----------------|------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Quality Control Samples

SCAGC-6089-LD1

Radionuclide Laboratory Control (LC) SCAQC-9089-LCB Alpha

Laboratory Duplicate (LD)

Matrix Spike (MS)

Preparation Blank (PS) SCAQC-9089-PB

Radioanalytical Results

Report Identification Number: 89068_9089

Project Name: QTIE-TN&A

Chain-of-Custody Number:

Matrix: Water

Site Sample ID: GP:0905012

Other Sample ID:

Batch Number: 9089

Laboratory Code: SCA

| Method Number Badionsolide SM 71100 ALPHA | Laboratory Sample ID CTIOS-9089-07 | Analysis _Date(Time_ 05/20/09 15:08 | | 2 a Counting Error (pO/L) 4.73 | Total Error (oCHL) 15.8 | MDA (BCKL) 2.83 |
|----------------------------------------------|------------------------------------------|-------------------------------------------|--|--------------------------------------|-------------------------------|-----------------------|
|----------------------------------------------|------------------------------------------|-------------------------------------------|--|--------------------------------------|-------------------------------|-----------------------|

Quality Control Samples

Eadionuclide Laboratory Control (LC) SCAQC-9089-LCB Alpha

Laboration, Duplicate (LD) Matrix Spike (MS) SCAGC-9089-LD1

Preparation Blank (PB) SCAQC-9089-PB

Radioanalytical Results

Report Identification Number: \$9068_9089

Project Name: OTIE - TNSA

Chain-of-Custody Number:

Matrix Water

Site Sample ID: CP-0905014

Other Sample ID:

Collection Date: 5/27/2009 11:15:00 AM Date Received: 5/25/2009 5:45:00

Betch Number: 9089

Laboratory Code: SCA

| | | Laboratory | Analysis | | 2 e Counting Error | of the state of | MDA |
|---------------|---------------------|---------------|----------------|---------|--------------------|-----------------|--------|
| Method Number | <u>Fladionucide</u> | Sample ID. | ReteTicss | _0CI/L1 | (bC(L) | TBCM7 | (sC(L) |
| SM 7110C | ALPHA: | OT109-9089-08 | 06/20/09 15:08 | 39.3 | 4.55 | 20.2 | 1.90 |

Quality Control Samples

Badienuclide Laboratory Control (LC) SCAGC-9089-LCB Alpha

Leboratory Duplicate (LD) SCAQC-0089-LD1

Matrix Spike (MS)

Preparation Blank (PB) SCAQC-9089-PB

Radioanalytical Results

Report Identification Number: \$9068_9089

Project Name: OTIE - TN&A

Chain-of-Custody Number:

Matrix: Water

Site Sample ID: CP-0905017

Other Sample ID:

Collection Dwte: 5/27/2009 9:30:50 AM

Date Received: 5/25/2009 5:45:00.

Basch Number: 9089

Laboratory Code: SCA

| Method Number | Radonucide | Laboratory Samole ID | Analysis Date/Time | 2 a Counting Error (pO/L) | Total Error (pQ/L) | MDA (BC/L) |
|---------------|------------|-------------------------|-----------------------|------------------------------|-----------------------|---------------|
| 0.300.000.000 | | | 06/20/09 15:09 | 3.20 | 9.05 | 2.14 |

Quality Control Samples

Redionucible Laboratory Control (LC): SCAQC-9089-LCB Alpha

Laboratory Duplicate (LD) Matrix Spike (MS) SCAQC-9089-LD1

Preparation Blank (PB)

SCAGC-9089-PB

Radioanalytical Results

Report Identification Number: \$9055_9089

Chain-of-Custody Number: Project Name: OTIE - TNSA

Marrix Vision

Site Sample ID: CP-0905018

Collection Date: 5/27/2009 9:45:00 AM Other Sample ID:

Date Received: 5/28/2009 8:45:00

Batch Number: 9089

| | | Laboratory | Analysis | | 2 or Counting Error | | MOA |
|---------------|--------------|---------------|-------------|---------|---------------------|---------|--------|
| Method Number | Radiopyclide | Sample D | _Date/Time_ | _(pCML) | (pC/L) | _(pG/L) | (3C/L) |
| | | OTIO9-9089-10 | | | 2.70 | 7.14 | 1.66 |

| | | Quality Control Sa | mples | |
|------------|-------------------------|---------------------------|-------------------|------------------------|
| Sadenuckia | Laboratory Control (LC) | Laboratory Duplicata (LD) | Matrix Spike (MS) | Precaration Blank (PB) |
| Abha | SCAQC-9089-LCB | SCAQC-9069-LD1 | | SCAQC-9089-PB |

Radioanalytical Results

Report Identification Number: 59068_9089

Project Name: QTIE - TNSA

Chain-of-Dustody Number:

Matrix: Water

She Sample ID: CP-0905021

Other Sample ID:

Collection Date: 5/27/2009 12:30:30 PM

Date Received: 5/25/2009 8:45:00.

Batch Number: \$053

Laboratory Code: SCA

| Manual Number | Dationality | Laboratory | Analysis Date/Time | | 2 o Counting Error | Total Error (pCVL) | MDA (pCifL) |
|---------------|-------------|------------|-----------------------|------|--------------------|-----------------------|----------------|
| SM 7110C | | | 07/01/09 19:38 | 28.3 | 4.01 | 14.7 | 1.62 |

Quality Control Samples

Radionuclide Laboratory Control (LC) SCAQC-9089-LCB Alpha

Laboratory Duplicate (LD) Matrix Spike (MS)

8CAQC-9089-LD1

Preparation Blank (PS): SCAQC-9089-P8

Radioanalytical Results

Report Identification Number: \$9058_9059

Project Name: OTIE-TNSA

Chain-of-Custody Number:

Matric Vilute:

Other Sample ID:

Site Sample ID: CP-0905022

Collection Date: 5/27/2009 12:45:00 PM

Date Received: 5/25/2009 5:45:00.

Batch Number: 9089

Laboratory Code: SCA

| Mathed Number | Barfornistida | Laboratory Sample ID | Analysis Pate/Time | | 2 er Counting Error (wCist) | | MDA (SCIAL) |
|---------------|---------------|-------------------------|-----------------------|------|-----------------------------|------|----------------|
| | | | 07/01/09 19:38 | 45.0 | 4.88 | 23.0 | 1.45 |

Quality Control Samples

Radionucide Laboratory Control (LC) SCADC-9089-LCB Alpha

Laboratory Duplicate (LD) Matrix Solke (MS) SCAQC-9089-LD1

Preparation Stank (PB) SCAQC-9089-P8

Radioanalytical Results

Quality Control Sample Laboratory Control (LC1)

Report Identification Number: 59068_9089

Project Name: QTIE - TNSA

Chain-of-Custody Number: None

Metric Vilider

Site Sample ID: N/A

Other Sample ID: LCI

Collection Date: 5/28/2009 8:45:00 AM

Date Received: 5/25/2009 8:45:00.

| Method Number | Radocuclida | Laboratory Sample ID | Analysis Data/Time | Activity (bC(L) | 2 a Counting Error (aCIS) | Total Error (pC/L) | MDA (bC/L) |
|---------------|-------------|-------------------------|-----------------------|--------------------|------------------------------|-----------------------|---------------|
| EPA 900.0 | BETA | SCAQC-9068-LCB | | 18.2 | 1.91 | 5.78 | 0.985 |
| EPA 903.1 | RA-226 | SCAQC-9068-LC1 | 06/09/09 20:07 | 11.2 | 0.727 | 3.43 | 0.431 |
| EPA 904.0 | RA-228 | SCAQC-9068-LC1 | 06/03/09 17:38 | 7.65 | 0.030 | 2.53 | 0.554 |

| | | Quality Control Sar | mples | |
|------------|----------------------------------|----------------------------------|-------------------|------------------------------------------|
| - | Laboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Spike (NS) | Preparation Blank (PB) SCAGC-9966-PB1 |
| Beta Ra | SCAQC-9068-LCB SCAQC-9068-LC1 | SCAGC-8088-LD1 SCAGC-8088-LD1 | 9CAGC-9068-MS1 | 8CAGC-9068-PB |

Radioanalytical Results

Quality Control Sample Laboratory Control (LC1)

Report Identification Number: \$9068_5089

Project Name: QTIE - TNSA

Chain-of-Custody Number: None

Matrix: Water

Site Sample ID: N/A

Other Sample ID: LC1

Collection Date: 5/28/2009 8:45:00 AM

Date Received: 5/28/2009 8:45:00.

Laboratory Code: SGA

| Method Number SM 7110C | Radiocucida ALPHA | Laboratory Sample ID SCAGG-9089-LCB | Analysis _Date/Time_ pt/11/09 21:57 | Addivity 19CHL) 17.2 | 2 e Counting Error (pC/L) 3.13 | Total Error (pCHL) 9.16 | MDA _(pQ/L) 1.38 |
|---------------------------|----------------------|-------------------------------------|-------------------------------------------|----------------------------|--------------------------------------|-------------------------------|------------------------|
|---------------------------|----------------------|-------------------------------------|-------------------------------------------|----------------------------|--------------------------------------|-------------------------------|------------------------|

Quality Control Samples

Alpha

Redonucide Laboratory Control (LC) SCAGC-9089-LCB

Leberatory Duplicate (LD) SCADC-9089-LD1

Matrix Spike (MS)

Preparation Blank (PS) SCAQC-9089-PB

Radioanalytical Results

Quality Control Sample Laboratory Control (LC1)

Report Identification Number: \$9068_9089

| Project Name: | QTIE - TN&A | Chain-of-Custody Number: | None | Matrix | Water |
|------------------|-------------|--------------------------|-----------------------|------------------------------------|---------------------------|
| Site Sample ID: | Nib | | | | |
| Other Sample ID: | LCI | Collection Date: | 5/27/2009 11:15:00 AM | Date Received: Laboratory Code: | 5/28/2009.8:45:00. SCA |

| Method Number | Badionucide | Laboratory Sample ID | Analysis Date/Time | Activity (pOIL) | 2 e Counting Error (pCML) | e-descrip | MDA (pGif.) |
|---------------|-------------|-------------------------|-----------------------|--------------------|------------------------------|-----------|----------------|
| ACINOS | U-233/234 | 8CAGC40874.01 | 06/24/09 16:55 | 4.80 | 0.694 | 1.18 | 0.060 |
| ACW03 | U-238 | SCAQC-9067-LC1 | 06/24/09 16:56 | 4.82 | 0.696 | 1.19 | 0.026 |

| | 50.510.950.030.050.50 | Quality Control Sa | mples | Control Marketin |
|-------------|-------------------------|---------------------------|-------------------|-------------------------|
| Sadjonucide | Laboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Spike (MS) | Presention, Stank (PS): |
| | SCAQC-9067-LC1 | 9CAQC-9067-LD1 | | SCAQC-9067-PB1 |

Radioanalytical Results

Quality Control Sample Duplicate (LD1)

Report Identification Number: 59006_9089

Project Name: OTIE - TNSA

Chain-of-Custody Number:

Matrix: Water

Site Sample ID: CP-0905005

Other Sample ID: LD1

Collection Date: 5/27/2009 11:45:00 AM

Date Received: 5/28/2009 8:45:00.

| Method Number | Badiotucide | Laboratory Sample ID | Analysis _Date/Time_ | Activity (sQU) | 2 a Counting Error (pCVL) | Total Error (pQ/L) | MDA (bCIL) |
|---------------|-------------|-------------------------|-------------------------|-------------------|------------------------------|-----------------------|---------------|
| EPA 903.1 | | SCAQC-9068-LD1 | | 2.37 | 0.394 | 0.814 | 0.414 |
| EPA 904.0 | BA-228 | SCACC-9068-LD1 | 06/03/09 17:44 | 0.718 | 0.398 | 0.453 | 0.563 |

| | Laboratory | Duplicate of |
|-------------|----------------|---------------|
| Redionucide | Sample ID | Sample ID |
| RA-226 | SCAQC-9058-LD1 | OT109-9068-01 |
| RA-228 | SCAQC-9066-LD1 | OT109-9068-01 |

| Quality Control Samples | | | | | |
|-------------------------|-------------------------|---------------------------|-------------------|------------------------|--|
| Badionuolde | Laboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Spike (MS) | Preparation Blank (PB) | |
| Re | SCAQC-9068-LC1 | SCAQC-9068-LD1 | SCAQC-9068-MS1 | SCAQC-9068-P9 | |

Radioanalytical Results

Quality Control Sample Duplicate (LD1)

Report Identification Number: \$9068_9089

Project Name: OTIE - TNSA Chain-of-Custody Number: Metric: Water
Site Sample ID: CP-0805028
Other Sample ID: LD1 Collection Date: 5/27/2009 1:15:00 PM Date Received: 5/28/2009 8:45:00
Laboratory Code: SCA

| Method Number | Rediscuside | Laboratory Sample ID | Analysis Date/Time | Activity (pQ/L) | 2 e Counting Error (pQ/L) | Total Error (pC)(L) | MDA (pCHL) |
|---------------|-------------|-------------------------|-----------------------|--------------------|------------------------------|------------------------|---------------|
| EPA 900.0 | ALPHA | SCAQC-8068-LD1 | 06/22/09 17:20 | -0.046 | 0.508 | 0.506 | 1.06 |
| EPA 900.0 | BETA | SCAQC-9066-LD1 | 06/15/09 15:49 | 0.127 | 0.616 | 0.617 | 1.00 |
| EPA 900.0 | BETA | SCAGC-9068-LD1 | 06/22/09 17:20 | 0.000 | 0.000 | 0.135 | 0.000 |

| Labo | vetory Samples for Di | uplicates. |
|------------|-------------------------|---------------------------|
| Badonucide | Laboratory Sample ID | Duplicate of Sample ID |
| ALPHA | SCAQC-9068-LD1 | OT109-9068-13 |
| BETA | SCAQC-9068-LD1 | OT109-9068-13 |

| Quality Control Samples | | | | | | |
|-------------------------|-------------------------|---------------------------------------------|--------------------|------------------------------------------|--|--|
| Sadionucida Alpha | Leboratory Control (LC) | Laboratory Duplicate (LD) SCAQC-9068-LD1 | Matrix Stalke (MS) | Preparation Black (PB) SCAQC-9068-PB1 | | |
| Beta | SCAQC-9068-LCB | SCAQC-9068-LD1 | | SCAGC-9068-PB1 | | |

Radioanalytical Results

Quality Control Sample Duplicate (LD1)

Report Identification Number: \$9068_9089

| Project Name: | OTIE - TNSA | Chain-of-Custody Number: | | Matrix | Water |
|------------------|-------------|--------------------------|-----------------------|------------------------------------|---------------------------|
| Site Sample ID: | CP-0905005 | | | | |
| Other Sample ID: | LD4 | Collection Date: | 5/27/2009 11:45:00 AM | Date Received: Laboratory Code: | 5/28/2009 8:45:00, SGA |

| | | Laboratory | Analysis | Activity | 2 e Counting Error | Total Error | MDA |
|---------------|-------------|----------------|-----------|----------|--------------------|-------------|---------|
| Method Number | Regionuside | Sample ID | Date/Time | _(pCVL) | (BC/L) | (PCVL) | _(pC/L) |
| SM 7110C | | SCAQC-9089-LD1 | | | 4.10 | 16.0 | 1.93 |

| | Laboratory | Duplicate of |
|-----------|----------------|---------------|
| 900000000 | Sample ID | Sample D |
| ALPHA. | SCAQC-9089-LD1 | OT109-9089-01 |

| | STANDARD CONTRACTOR | Quality Control Sa | mples | |
|------------|-------------------------|---------------------------|-------------------|------------------------|
| Badonoolde | Laboratory Control (LC) | Laboratory Duplicate (LD) | Matrix Spike (MS) | Preparation Blank (PB) |
| Alpha | SCACC-9088-LCB | SCADC-9089-LD1 | | SCAQC-9089-PB |

Radioanalytical Results

Quality Control Sample Duplicate (LD1)

Report Identification Number: \$9055_9059

Project Name: QTIE : TNSA Chain-of-Custody Number: Matrix: Water
Site Sample ID: CP-0905015

Other Sample ID: LD1 Collection Date: 5/25/2009 5:30:00 AM Date Received: 5/25/2009 5:45:00

| Method Number | Sadiopudide | Laboratory Sample ID | Analysis Date(Time_ | Addylty _(pC/L)_ | 2 a Counting Error (pC/L) | Total Error | MDA (pG/L) |
|---------------|-------------|-------------------------|------------------------|---------------------|------------------------------|-------------|---------------|
| ACWGS | U-233/234 | SCAQC-6067-LD1 | 06/24/09 18:55 | 36.6 | 4.60 | 8.99 | 0.090 |
| ACW(3) | U-235 | 8CAGC-9087-LD1 | 06/24/09 10:56 | 1.67 | 0.560 | 0.745 | 0.110 |
| ACWGS | U-238 | 8CAQC-9067-LD1 | 06/24/09 16:56 | 36.5 | 4.38 | 6.51 | 0.089 |

| Labo | ratory Samples for D | up/icates |
|-------------|-------------------------|---------------------------|
| Badionucide | Laboratory Sample ID | Duplicate of Sample ID |
| U-234 | SCAQC-9067-LD1 | QT109-9067-Q1 |
| U-235 | SCAQC-9067-LD1 | QT109-9067-Q1 |
| U-238 | 8CAGC-80674.D1 | OT109-9067-01 |

| | | Quality Control Sar | mples | |
|-------------|-------------------------|---------------------------|-------------------|------------------------|
| Radionucide | Laboratory Control (LC) | Laboratory Duplicate (LD) | Metrix Solke (MS) | Preparation Blank (PS) |
| U | SCAQC-8067-LC1 | SCAQC-906T-LD1 | | SCAQC-6067-P81 |

Radioanalytical Results

Quality Control Sample Matrix Spike (MS1)

Report Identification Number: \$9068_9089

Project Name: QTIE - TNSA Chain-of-Custody Number: None Metric: Water
Size Sample ID: CP-0905006

Other Sample ID: MS1 Collection Date: 5/27/2009 12:00:00 PM Date Received: 5/25/2009 8:45:00 Laboratory Code: SCA

| Method Number | Badionucide | Laboratory Sample ID | Analysis Date/Time | Activity (pO/L) | 2 e Counting Error (pC/L) | Total Error (pCVL) | MDA (sQ(E) |
|---------------|-------------|-------------------------|-----------------------|--------------------|------------------------------|-----------------------|---------------|
| EPA 903.1 | RA-226 | 8CAQC-9068-MS1 | | 12.5 | 0.804 | 3.84 | 0.442 |
| EPA 904.0 | RA-228 | SCAQC-9068-MS1 | 06/03/09 17:39 | 5.64 | 0.776 | 1.86 | 0.542 |

Guality Central Samples

Basicrucide Laboratory Control (LC) Laboratory Duplicate (LD) Matrix Solve (MS) Preparation Blank (PB)

Ra SCAGC-9068-LC1 SCAGC-9068-LD1 SCAGC-9068-MS1 SCAGC-9068-PB

Radioanalytical Results

Quality Control Sample Preparation Blank (PB)

Report Identification Number: \$9068_9089

Project Name: QTIE - TN&A

Chain-of-Custody Number: None

Matrix: Water

Site Sample ID: N/A.

Other Sample ID: PS

Collection Date: 5/28/2009 0:45:00 AM

Date Received: 5/25/2009 5:45:00

| Method Number | Sationuclida | Laboratory Sample ID | Analysis Date/Time | Activity (bC(L) | 2 a Counting Error (aCIA.) | Total Error (pCVL) | MDA (bG(L) |
|---------------|--------------|-------------------------|-----------------------|--------------------|-------------------------------|-----------------------|---------------|
| EPA 900.0 | ALPHA | SCAQC-9068-P98 | 06/30/09 11:07 | -0.065 | 0.669 | 0.670 | 1.41 |
| EPA 900.0 | ALPHA | SCAQC-9068-PB1 | 06/22/09 17:20 | 0.196 | 0.706 | 0.713 | 1.55 |
| DPA 900.0 | ALPHA | SCAQC-9068-P91 | 06/15/09 15:49 | -0.190 | 0.660 | 0.559 | 1.04 |
| EPA 900.0 | BETA | SCAQC-9068-PBB | 06/30/09 11:07 | -0.077 | 0.678 | 0.578 | 1.04 |
| EPA 900.0 | BETA | SGAQC-9056-PB1 | 06/22/09 17:20 | 0.000 | 0.000 | 0.135 | 0.000 |
| EPA 900.0 | BETA | SCAQC-9068-P81 | 06/15/09 15:49 | -0.175 | 0.608 | 0.610 | 1.06 |
| EPA 903.1 | RA-226 | SCAGC-9068-PB | 06/09/09 18:35 | 0.103 | 0.250 | 0.252 | 0.425 |
| EPA 904.0 | RA-228 | SCAQC-9066-PB | 06/03/09 17:43 | 0.407 | 0.334 | 0.356 | 0.510 |

| | | Quality Control Sa | mples | |
|----------------------|-------------------------|---------------------------------------------|-------------------|------------------------------------------|
| Radionucide Alpha | Laboratory Control (LC) | Leboratory Duplicate (LD) SCAQC-9068-LD1 | Matrix Spike (MS) | Preparation Blank (PB) SCAQC-9088-PB1 |
| Beta | SCAQC-9068-LCB | SCAGC-9068-LD1 | | SCAQC-9068-PB1 |
| Sa | SCAQC-9068-LC1 | SCAQC-9968-LD1 | SCAQC-6068-MS1 | SCAQC-9068-PB |

Radioanalytical Results

Quality Control Sample Preparation Blank (PB)

Report Identification Number: \$9068_9069

Project Name: OTIE - TNSA Chain-of-Custody Number: Nigne Site Sample ID: N/A

Other Sample ID: PB

10.000

Matrix: Water

Collection Date: 5/25/2009 8:45:00 AM Date Received: Laboratory Code:

Date Received: 5/25/2009 8:45,00, Laboratory Code: SCA

| | | Laboratory | Analysis | | 2 o Counting Error | | MDA |
|---------------|------------|---------------|-------------|---------|--------------------|--------|------|
| Method Number | Badonuciós | Sample ID | _Date/Time_ | _(pO(L) | (2C(L) | (BC/L) | |
| SM THISC | | SCAQC-9089-PB | | | 1.21 | 1.21 | 2.33 |

| | | Quality Control Sar | mples | |
|--------------|-------------------------|---------------------------|-------------------|------------------------|
| Radionuclide | Laboratory Control (LC) | Leboratory Duplicate (LD) | Matrix Solve (MS) | Preparation Blank (PS) |
| Alpha | SCAQC-9089-LCB | SCAQC-9089-LD1 | | SCAQC-9089-PB |

Radioanalytical Results

Quality Control Sample Preparation Blank (PB)

Report identification Number: 09068_9089

| | | | Mana | Matrix | Wooden' |
|------------------|-------------|-------------------------|-----------------------|------------------------------------|---------------------------|
| Project Name: | OTIE : TNSA | Chain-of-Custody Number | District | | connected 8-45-00 |
| Ste Sample IC: | 365 | Collection Date: | 5/21/2009 11:15:00 AM | Date Received: Laboratory Code: | 5/25/2009 8:45:00. SGA |
| Other Sample ID: | CB | | | | 1101 |

| | | Laboratory | Analysis | 2.000.000 | 2 a Counting Error | Total Error (pG/L) | MOA BCILL |
|------------------------|----------------|-----------------------------|----------------|-----------|-------------------------|-------------------------|-------------------------|
| Method Number vcW03 | U-233/234 | Sample ID SCAQC-9967-P91 | DRG4/09 10:00 | 0.000 | 0.005 0.000 0.084 | 0.086 0.135 0.085 | 0.981 0.100 0.081 |
| CW03 | U-235 U-236 | SCAQC-906T-PR1 | 06/24/09 16:56 | 0.080 | | | |

| Badionuclide | Laboratory Control (LC) SCACC-9067-LC1 | Quality Control Sumples Leboratory Dublicate (LD) Matrix Spike (MS SCAQC-9067-LD1 | E Preparation Brank (PB) SCAGC-9067-PB1 |
|--------------|-------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------|

Radioanalytical Results

Quality Control Sample Evaluation

Raport Identification Number: \$9068_9089

Project Name: QTIE - TNSA Matrix: Water

| | | Labora | itory Contol Samp | ple (LC1) Evaluation | en. | |
|---------------------------|-------------|-------------------------|-----------------------------------------------------|------------------------------------------------|------------------------------------------------------------|-----------------------------------|
| statud Montar | Badonyskile | Laboratory Sample ID | (CV) Decay Corrected Activity of Spike Added (pQUL) | (OV) Laboratory Control Sample Activity (3G/L) | Laboratory Control Sample 15 Recovery (Accurator) | Number of or Between CV and Ch |
| Sethod Number IM 7110C | ALPHA | SCAQC-9089-LCB | 15.0 ± 0.460 | 17.2 ± 9.16 | 115 | 0.363 |
| PA 900.0 | BETA | SCAQC-9068-LCB | 17.3 ± 0.399 | 58.2 ± 5.78 | 106 | 0.209 |
| | - | SGAQC-9067-LC1 | 4.09 ± 0.025 | 4.80 ± 1.18 | 117 | 0.929 |
| CW03 | U-233/234 | | 4.09 ± 0.025 | 4.82 = 1.19 | 118 | 0.957 |
| CW03 | U-238 | SCAQC-9067-LC1 | | 11.2 a 3.43 | 99.7 | 0.012 |
| PA 903.1 | RA-226 | SCAQC-9068-LC1 | 11.2 a 0.134 7.19 a 0.288 | 7.85 ± 2.53 | 109 | 0.378 |

| | | Ma | trix Spike Sample | (MS1) Evaluatio | n | | |
|------------------------|------------------|----------------------------------|-----------------------------------------------------|-------------------------------------------|------------------------------------|----------------------------------------------------|----------------------------------|
| Method Number | Badonorleia | Laboratory Sample ID | (CV) Decay Corrected Activity of Spike Added (pG/S) | Matrix Spike Sample Activity (pGHL) | (OV) Native Sample Activity (eQVL) | Matrix Spike Sample % Recovery (Appublic) | Number of Between CV and O |
| EPA 903.1 EPA 904.0 | RA-228 RA-228 | SCAQC-9068-MS1 SCAQC-9068-MS1 | 11.2 ± 0.134 7.19 ± 0.288 | 12.5 ± 3.84 5.64 ± 1.85 | 4.44 ± 1.42 0.293 ± 0.356 | 72.1 74.6 | 1.20 |

| | | Laborato | ry Dup | lica | te Sam | iple (LD | 1) E | valuati | ion | Ratio of the Difference Setween the Sample |
|------------------------|------------------|----------------------------------|--------|-----------------|--------|----------|-------|---------|-----------------------------------------------------------------------------|-------------------------------------------------------------------|
| turis di Sirenbar | Padroville | Laboratory Sample ID | | nel S Activi | | | ate l | | Ottlerence Between Original Activity and Duplicate Sample Activity | Activity and the Propagated Measurement at 1 o (FifE) |
| SM 7110C | ALPHA | SGAQC-9089-LD1 | 32.1 | | 16.0 | 30.8 | | 16.0 | 1.25 | 0.108 |
| | ALPHA | SCAQC-9068-LD1 | -0.469 | * | 0.727 | -0.046 | | 0.508 | 0.423 | 0.963 |
| EPA 900.0 | | SCAGO-9099-LD1 | -0.489 | | 0.727 | -0.505 | | 0.733 | 0.036 | 0.070 |
| EPA 900.0 | ALPHA. | SCAQC-9988-LD1 | 1.25 | | 0.851 | 0.127 | # | 0.617 | 1.12 | 2.13 |
| PA 900.0 | BETA | SCAGC-9068-LD1 | 1.25 | | 0.851 | 0.000 | + | 0.135 | 1.26 | 2.90 |
| DPA 900.0 | BETA | | 35.4 | | 8.19 | 38.6 | | 8.99 | 3.24 | 0.533 |
| ACW03 | U-233/234 | SCAQC-9087-LD1 | 1.59 | | 0.710 | 1.67 | | 0.745 | 0.085 | 0.165 |
| ACW(03) | U-235 | SCADC-9067-LD1 | | | 8.67 | 36.5 | | 8.51 | 1.08 | 0.178 |
| ACW(03 | U-238 | SCAGC-9087-LD1 | 37.6 | | | | | 0.814 | 0.334 | 0.814 |
| EPA 903.1 EPA 904.0 | RA-226 RA-226 | SCAQC-9068-LD1 SCAQC-9068-LD1 | 0.547 | | 0.722 | 0.718 | | 0.463 | 0.170 | 0.656 |

Radioanalytical Results

Quality Control Tracer Yield

Report Identification Number: \$8056_9059

Project Name: QTIE - TNSA Laboratory Code: SQA

| | 0.000 |
|----------------------|----------|
| Laboratiny Sample ID | Therese. |
| QT109-9067-01 | 90.68 |
| OT109-9068-01 | 92.06 |
| OTIO9-9068-01B | 92.06 |
| OT109-9068-02 | 82.57 |
| OT109-9068-028 | 82.67 |
| OT109-9068-07 | 88.97 |
| OTIO9-9068-07B | 88.97 |
| OT109-9068-08 | 84.54 |
| OTIOS-9068-08B | 84.64 |
| QT109-9068-09 | 80.32 |
| OTIO9-9068-098 | 80.32 |
| OT109-9068-10 | 87.26 |
| OT109-9065-10B | 87.26 |
| OT109-9068-11 | 89.92 |
| OT109-9068-11/8 | 89.92 |
| OT109-9068-12 | 90.18 |
| OTIO9-9088-12B | 90.18 |
| 8CAQC-9067-LC1 | 72.45 |
| SCAQC-9067-LD1 | 83.04 |
| SCAQC-9067-PB1 | 93.12 |
| | |

Radioanalytical Results

Quality Control Chemical Recovery

Report Identification Number: 59058_9089

Project Name: QTIE - TNSA

Laboratory Code: SCA

| Laboratory Sample ID | Rs-228 |
|----------------------|--------|
| OTI09-9068-01 | 137.64 |
| OT109-9088-018 | 137.64 |
| OT109-9088-02 | 137.64 |
| OTI09-9068-028 | 137.64 |
| OTI09-6068-03 | 137.64 |
| QT109-9068-03B | 137.64 |
| QT109-9068-04 | 137.64 |
| OTIO9-9068-04B | 137.64 |
| OT109-9068-05 | 137.64 |
| OTION-9068-058 | 137.64 |
| OT109-9068-06 | 137.64 |
| OT109-9068-068 | 137.64 |
| OTI09-9068-07 | 137.64 |
| OT109-9068-078 | 137.64 |
| QT109-9088-08 | 137.64 |
| OT109-9068-088 | 137.64 |
| OTIO9-9068-09 | 137.64 |
| OT109-9068-098 | 137.64 |
| OT109-9068-10 | 137.64 |
| OTIO9-9008-10B | 137.64 |
| OT109-9068-11 | 137.64 |
| OTIO9-9068-119 | 137.64 |
| QT(09-6068-12 | 137.64 |
| QT109-9068-12B | 137.64 |
| OT109-9068-13 | 137.64 |
| SCAQC-9068-LC1 | 137.64 |
| SCAGC-9068-LCB | 137.64 |
| SCAQC-9088-LD1 | 137.64 |
| SCAQC-9058-MS1 | 137.64 |
| SCAQC-9068-PB | 137.64 |
| SCAQC-9068-PB1 | 137.64 |
| SCAQC-9068-PBB | 137.64 |

Appendix D Data Validation Report