DEPARTMENT OF THE ARMY
NEW YORK DISTRICT, CORPS OF ENGINEERS
JACOB K. JAVITS FEDERAL BUILDING
NEW YORK, N.Y. 10278-0090

April 30, 2008

REPLY TO
ATTENTION OF
Programs and Project Management Division

Mr. Jon M. Dawes, Jr.
Deputy Director
Luther Forest Technology Campus EDC
28 Clinton Street
Saratoga Springs NY, 12866

RE: REPORT TRANSMITTAL - UNDERGROUND STORAGE TANK PRODUCT REMOVAL AT THE FORMER MALTA TEST STATION; FORMERLY USED DEFENSE SITE (FUDS) PROPERTY No. C02NY0898

Dear Mr. Dawes:

Enclosed is a CD and paper copy of the report entitled: *Underground Storage Tank Product Removal, Former Malta Test Site, Malta, New York,* and dated March 2008.

On March 3, 2008, we pumped out an estimated total of 3,122 gallons of a liquid fuel/water mixture from two (2)-7,000 gallon underground storage tanks located on the former Malta Test Station property; the recovered liquids were transported to a licensed recycling facility.

Please contact me at (917) 790-8235, should you have any further questions regarding this report.

Sincerely,

Gregory J. Goepfert

Gregory J. Goepfert
Project Manager

Encl.

cc: New York State Department of Environmental Conservation / Mr. John B. Swartwout, P.E., w/ encl.

U. S. Army Corps of Engineers / Mr. Jeffrey Hubbard / CENW0-CD-RR, w/o encl.

Closeout Summary

Underground Storage Tank Product Removal

Former Malta Test Site
Malta, New York

March, 2008

Contract No. W9128F-04-D-0014
Task Order No. 0025

Prepared for:

U.S. Army Corps of Engineers
Omaha District
Rapid Response Program
Omaha, Nebraska

Prepared by:

Conti Environment and Infrastructure, Inc.
One Cragwood Rd.
South Plainfield, NJ 07080

EXECUTIVE SUMMARY:

Conti Federal Services Inc., under contract with the U. S. Army Corps of Engineers Rapid Response contract # W9128F-04-D-0014 TO # 0025 located, sampled, pumped out and disposed of 2,991 gallons of experimental fuel at the former Malta test facility. The scope of work accomplished under this task order included locating two 7,000 gal UST's, sampling and disposal of 2,991 gallons of experimental fuel to the permitted Norlite disposal facility. The UST's were sampled on 23 January 2008. 2,991 gallons of fuel were pumped out from the two UST's and transported via vac-truck to the Norlite facility under a non hazardous waste manifest on 03 March 2008. All fieldwork under this task order was completed on 03 March 2008.

1) Project Objectives

The objective of this Response Action was to eliminate the actual or threatened discharges of hazardous wastes to the environment, by sampling and draining two (2) 7,000 gallon UST's.

This objective was accomplished by locating the referenced UST's with the support of the facility manager's subcontractor.

This work was completed in accordance with the Final Scope of Work dated 24 July 2007 (USACE). Additionally, work was completed in accordance with the Work Plan and all appendices, including the Contractor Quality Control Plan (CQCP) presented as Appendix B in the HASP.

2) Project Description

Work under this task order is authorized under the Formerly Used Defense Site program, project # CO2NY0898-03.

3) ORGANIZATIONS AND RESPONSIBILITIES

3.1) USACE – Omaha Rapid Response Program

The USACE Omaha Rapid Response Program (RRP) group was responsible for providing procurement, contracting, and construction management support.

3.2) Conti Federal Services Inc.

Under contract to the USACE – Omaha RRP, Conti was responsible for implementation of the construction activities associated with the Former Malta Test Site Underground Storage Tank Remediation Project. Conti's organization for this project included a Program Manager, Project Manager/Superintendent and subcontractors.

3.3) Conti Staffing

Mr. Tom Hernon is the designated Program Manager (PgM) for the Rapid Response program.

Mr. Richard Hamlin was assigned as Project Manager for this Task Order. Mr. Hamlin was responsible for the execution of the project in accordance with the requirements contained in the Statement of Work and the work plan. Mr. Hamlin reports directly to Mr. Hernon who in his role as Program Manager is ultimately responsible to the USACE for the safety and quality of the project. Mr. Hamlin coordinates all activities with Mr. Hernon and serves as the Point of Contact (POC) for the USACE Contract Officer Representative (COR) and/or delegates, and represents Conti in all matters related to the project. Mr. Hamlin is also responsible for ensuring that all field activities performed by Conti and/or subcontractors under Conti's control are conducted in conformance with the requirements contained in the work plan. Finally, Mr. Hamlin was responsible for scheduling and coordinating all field activities conducted by Conti and its subcontractors.

3.4) Chemical Analytical Laboratory

Conti's subcontractor employed the services of a New York State certified chemical analysis laboratory (Life Science Labs) to provide the following scope of services:

- Chemical analysis of product samples in accordance with the approved Chemical Sampling and Analysis Plan (CSAP).

4) CONSTRUCTION ACTIVITIES SUMMARY

On 8 August 2007 a site visit was conducted at the former Malta Test Facility. Those in attendance included:

Mr. Gregory J. Goepfert, Project Manager USACE-NYD.
Mr. Jeff Hubbard, USACE-Omaha RRP
Mr. Richard Hamlin, Conti Federal Services
Mr. Jon Dawes Jr., Deputy Director/Owner's Representative (Luther Forest Technology Campus-Economic Development Corporation).
Mrs. Aimee Gates C.T. Male Associates.

During the site visit the general area with UST's was identified. The exact location could not be determined. It was decided that Conti would mobilize to the site utilizing a mini excavator to locate and access the UST's as well as pull samples. A logger had removed all of the trees in the area making it difficult for C.T.Male to recall the exact location of the UST's.

In October, 2007 Conti Federal Services Inc. developed, prepared and forwarded to USACE-RRP a set of plans addressing the access, sampling and product removal of two 7k UST's located at the former Malta Test Facility. This plan's consisted of a Work-Plan, Health & Safety Plan (HASP), Quality Control Plan and a Sampling and Analysis Plan.

In early December Conti's subcontractor (Abscope Environmental) notified underground utilities for a utility locate for the area to be excavated. Utilities were located and or cleared.

On 12 December 2007 Conti and Abscope Environmental coordinated with, Mr. Jon Dawes Jr., Deputy Director/Owner's Representative (Luther Forest Technology Campus-Economic Development Corporation) to access the site, locate the two underground UST's and pull product samples. A PC70 Komatsu mini excavator was utilized to excavate the access ports on the UST's. The identified utilities were compared to the field mark out. It was determined to dig trench like excavations running parallel to the road in the area previously identified. 6 trenches were excavated approximately 75' in length and 5'-6' in depth. The spacing between the trenches was approximately 10'-12' apart. During the excavation of the first trench, 3 direct burial electrical lines were uncovered. There was no damage to the electric wires and they were buried. These lines were not identified in the dig safe. Pin flags were left over the top of the electric lines for future reference. At this time Mr. Jon Dawes reached out to a C.T.Male representative to come to the site to verify the location of the UST's. At 3:05 PM Mr. Kirk Moline with C.T. Male arrived and indicated that the UST's were

a little to the East of the excavations. We excavated in the area he indicated and found no UST's. He seemed surprised and could not offer up any other locations to try. All excavations were backfilled

and we demobilized from the site @ 5:30PM. The access gate was locked behind us at the request of Mr.Dawes.

During this period Mr. Goepfert requested that the facility locate and access the UST's prior to Conti mobilizing for the sampling event. The facility subcontracted with C.T.Male to locate and expose the UST's as well as backfill when work was completed.

On 23, January 2008 C.T.Male subcontracted a local company to locate and access the UST's. Conti mobilized to the site and pulled samples from both UST's. Tank # 1 had approximately 39.5" of product while Tank # 2 contained approximately 12.5" of product. A chain of custody was filled out (See Appendix A) sample jars were labeled, placed in cooler and sent to Life Science Labs in East Syracuse NY.

07 February 2008 analytical results from the lab were received. A copy of these results were sent to Mr. Jeff Hubbard for review as well as Norlite Corporation for review and acceptance to their recycling facility. It was determined that the product could be accepted at the recycling facility and a profile was generated. (See Appendix B)

On 03 March 2008 Conti mobilized to the site with a Vacuum-Truck from the disposal facility to remove the product. Mr. Jon Dawes from the facility met at the site early with C.T.Male to access the UST's. Mr. Jeff Hubbard was onsite to sign necessary paper work for the transport of the product. At approximately 11:00AM the Vac truck arrived and set up to remove the product. A part in the pump broke which required a mechanic to be dispatched to the site to make repairs. At approximately 1:00PM repairs were completed and both UST's were emptied to within a ¼" @ the bottom. A measurement of the truck indicated approximately 3,122 Gal of product had been removed and identified on the BOL. Verification of proper truck ID was verified and the truck was released to the facility. The facility manager will contract to have the UST's covered over.

On 17 March 2008 Jeff Hubbard received a signed copy of the BOL from the facility with the actual gallons received at the facility. (2,991 gallons) (See Appendix C) The difference of 131 gallons can be explained by field measurement of the truck not being perfectly level.

Norlite Corporation,
628 South Saratoga Street
Cohoes NY, 12047
USEPA ID # NYD080469935
Phone# 518-235-0401

During all construction activities no safety deficiencies were noted.
Project was completed within budget.

Appendix “A”

Chain Of Custody

Life Science Laboratories, Inc.
Brittonfield Lab

5000 Brittonfield Parkway, Suite 200
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

Client: Abscapa Environmental

Project: Mattle Test Facility

Sampled by: Rob Drake

Client Contact: Rob Drake Phone # 697-8437

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method: TOX	Flash	TPH/IFID	PVBi	T-Mo			Comments
Tank #1	1/23/08	12:15		G	2	X	X	X	X	X			
Tank #2	1/23/08	12:00		G	2	X	X	X	X	X			

Relinquished by:	Date: 1/23/08	Time:	Received by:	Date: Time:
Relinquished by:	Date:	Time:	Received by:	Date: Time:
Relinquished by:	Date:	Time:	Received by Lab: Monika Sanders	Date: 1/24/08 Time: 7:58 am
Shipment Method:			Airbill Number:	

Turnaround Time Required:
Routine
Rush (Specify) X

Comments:

Cooler Temperature: 4.2°C

Original - Laboratory
Copy - Client

Appendix “B”

Waste Stream Profile

Alice Charlie Story

Norlite Corporation

628 South Saratoga Street
Cohoes, New York 12047
Phone: (518) 235-0401 Fax: (518) 235-0233

A ROTARY KILN Norlite EXPANDED SHALE AGGREGATE

WASTE STREAM PROFILE No. _____

Approved for Acceptance: ☐ Yes ☐ No
Reviewed by: _____ Date _____
Approved by: _____ Date _____

PLEASE ATTACH: All Material Safety Data Sheets (MSDS), Analysis Reports, Handling Precautions, Additional Hazard Information, Support Data & Comments.

GENERATOR INFORMATION

Site Name: Malta Test Facility
Address: Harmes Road
Malta NY
Mailing Name:
Address:
EPA I.D. #:
Technical Contact:
Phone #: Fax #:
Shipping Contact:
Phone #: Fax #:

Billing Name: Absocpe Environmental Inc.
Address: Box 487
Canastota NY 13032
Contact: Rob Drabot
Phone #: 315697 Fax #:
Transporter Name: Absocpe Environmental
Address: Box 487
Canastota NY
EPA I.D. #: NY
Contact: Rob Drabot
Phone #: 315 697-8437 Fax #: 315-697-9391

WASTE DESCRIPTION

Generators Name For Waste: Rocket Fuel
Process Generating Waste: Tank Closure

SHIPPING INFORMATION

DOT Shipping Name: Flammable liquid
DOT Hazard Class: 3 Packing Group: II UN/NA No. 1993
EPA Hazardous Waste Codes: NA Exempt - Fuel exemption
Estimated Volume: 3,000
Container Type: ☒ Bulk ☐ Drum ☐ Roll-Off

CHEMICAL COMPOSITION (Totals to 100%)

Rocket Fuel	75-100 %		%
Water	0-25 %		%
	%		%
	%		%
	%		%
	%		%
	%		%

PHYSICAL CHARACTERISTICS @ 70°F

Color: Clear/Amber
Odor: Yes
Specific Gravity: <1
pH: NA % Solids: <3 % Water: 0-25
Viscosity: ☒ Low ☐ Medium ☐ High

☒ Liquid ☐ Semi-Liquid ☐ Solid
☒ Single Phase ☒ Bi-Layered ☐ Multi-Layered

TOTAL METALS

Antimony (Sb)	ND ppm	Lead (Pb)	<186 ppm
Arsenic (As)	ND ppm	Mercury (Hg)	ND ppm
Barium (Ba)	<5 ppm	Nickel (Ni)	ND ppm
Beryllium (Be)	ND ppm	Selenium (Se)	ND ppm
Cadmium (Cd)	ND ppm	Silver (Ag)	ND ppm
Chromium (Cr)	<3 ppm	Thallium (Ti)	ND ppm
Copper (Cu)	<10 ppm	Zinc (Zn)	<62 ppm

WASTE ANALYSIS

Heat of Combustion: 7 10K Btu's/lb. Flash Point: <70 °F
Halogens: <0.05 % Sulfur: <1 % Ash: <0.1 %
PCB's: 0 ppm Corrosivity: NA mm/yr.

OTHER CHARACTERISTICS (Yes/No)

Reactive	No	Infectous	No	Explosive	No
Biological	No	Pyrophoric	No	Radioactive	No

List Acute Hazardous Wastes as defined in 40CFR 261.33(e) or 6NYCRR 371.4(d)(5). List any Hazardous Constituents as defined by 40CFR 261 Appendix VIII. Describe any special handling requirements associated with this waste system.

OTHER COMPONENTS

Herbicides	0 ppm	Cyanide	0 ppm
Pesticides	0 ppm	Sulfide	0 ppm
Dioxins	0 ppm	PBB	0 ppm

CERTIFICATION: I attest and certify that all information provided is complete and accurate. This low grade fuel is properly described with no willful omissions and that all known or suspected hazards have been disclosed and the low grade fuel is not a PCB waste that is defined in 40 CFR 761.3. Any changes or additional information obtained about this waste stream will be promptly conveyed to the Norlite Corporation.

Jeffrey W Hubbard Project Engineer
Print Name and Title on Behalf of USACE New York District

Signature: Jeffrey W Hubbard

Date: 2/27/08

Appendix “c”

Non-hazardous Waste Manifest

NONHAZARDOUS WASTE MANIFEST

Please type (or print)

1. Generator's US EPA ID No. | Manifest Document No.: NOT REQUIRED 00001

2. Page 1 of 1

3. Generator's Name and Mailing Address:
U.S. ARMY CORP. OF ENGINEERS
FORT COOK AREA OFFICE OFFUTT AFB, NE 68113

4. Generator's Phone (402) 293-2500 ATTN: JEFF HUBBARD

5. Transporter 1 Company Name: UNITED INDUSTRIAL SERVICES

6. US EPA ID Number: CTD021816889

7. Transporter 2 Company Name:

8. US EPA ID Number:

9. Designated Facility Name and Site Address:
NORLITE CORPORATION
628 SOUTH SARATOGA STREET
COHOES, NY 12047

10. US EPA ID Number: NYD080469935

A. Nonhazardous Waste Manifest Document Number: UIS A 0279736

B. G.S.I. (Gen. Site Address):
MALTA TEST FACILITY
HOMES ROAD
MALTA, NY 12020

C. S.T.I. (Trans. Lic. Plate #): CT 7461 A

D. Tran. Phone (203) 238-6745

E. S.T.I. (Trans. Lic. Plate #)

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone: 518 235-0401

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. FLAMMABLE LIQUID, N.O.S., (JET FUEL), 3, UN1993, PGII	001	TT	3122	G	EPA STATE NONE / NONE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

MAR 17 2008

J. Additional Descriptions for Materials Listed Above
a. ROCKET FUEL FROM TANK CLOSURE
c.
b.
d.

K. Handling Codes for Wastes Listed Above

	Interim	Final		Interim	Final
a.		B	c.		
b.			d.		

15. Special Handling Instructions and Additional Information
0018BJFGDM EMERGENCY RESPONSE GUIDE #128 24 HOUR PHONE# (203)238-6745
Recd 2991 GAL / 19160 lbs Point of Departure: Sp. Grav = 0.768 g/ml

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

GENERATOR

Printed/Typed Name: on behalf of USACE New York (X) Jeffrey W Hubbard
Signature: (X) Jeffrey W Hubbard
Month Day Year: 03 03 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: KEITH A TILMONT
Signature:
Month Day Year: 03 03 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Prince M. Knight III
Signature:
Month Day Year: 03 03 08

COPY 2 FACILITY MAILS TO GENERATOR

Appendix “D”

Analytical Results

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Thursday, February 07, 2008

Rob Drabot
Abscope Environmental, Inc.
1 Commercial Drive
P.O. Box 487
Canastota, NY 13032

TEL: (315) 697-8437

Project:

RE: Analytical Results Order No.: 0801100

Dear Rob Drabot:

Life Science Laboratories, Inc. received 2 sample(s) on 1/24/2008 for the analyses presented in the following report.

Very truly yours,
Life Science Laboratories, Inc.

Monika Santucci

Monika Santucci
Project Manager

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

LABORATORY REPORT

February 01, 2008 1/1

Client: Life Science
Address: 5000 Brittonfield Parkway
East Syracuse, NY 13057

Date Collected: See Below
Date Received: 1/25/2008
Project #: N/A
Client ID #: See Below
Laboratory ID #: See Below
Matrix: Liquid
Method: SW-846 9020 A
Units: mg/L
Analyst: JS
Reporting Limit: See Below
Date of Analysis: See Below

	TANK #1	TANK #2	TANK #2
Lab Sample ID:	0801064-01	0801064-02	0801064-02
Client Sample ID:	0801100-001A	0801100-002A	0801100-002A
		Top Layer	Bottom Layer
Reporting Limit (mg/L)	0.020	200.0	200.0
Date Collected:	1/23/2008	1/23/2008	1/23/2008
Date Analyzed:	2/1/2008	2/1/2008	2/1/2008
TOX	20.0	BRL	220.0

Laboratory Manager: _____

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Abscope Environmental, Inc.	**Lab ID:**	**0801100-001B**
Project:		**Client Sample ID:**	*Tank #1*
W Order:	0801100	**Collection Date:**	01/23/08 12:15
Matrix:	LIQUID	**Date Received:**	01/24/08 7:58
Inst. ID:	Pensky	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R12643
Revision:	01/29/08 14:22	**TestCode** FLASH1010W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
FLASHPOINT				**SW1010**		
Ignitability	25.0		25.0	°C	1	01/25/08

NOTES:

Sample flashed at room temperature (25 degrees C), however actual flashpoint may be lower.

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Abscope Environmental, Inc.	**Lab ID:**	**0801100-002B**
Project:		**Client Sample ID:**	*Tank #2*
W Order:	0801100	**Collection Date:**	01/23/08 12:00
Matrix:	LIQUID	**Date Received:**	01/24/08 7:58
Inst. ID:	Pensky	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R12643
Revision:	01/29/08 12:46	**TestCode** FLASH1010W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
FLASHPOINT				**SW1010**		
Ignitability	24.0		24.0	°C	1	01/25/08

NOTES:
Sample flashed at room temperature (24 degrees C), however actual flashpoint may be lower.

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Abscope Environmental, Inc.	**Lab ID:**	**0801100-001B**
Project:		**Client Sample ID:**	*Tank #1*
W Order:	0801100	**Collection Date:**	01/23/08 12:15
Matrix:	LIQUID	**Date Received:**	01/24/08 7:58
Inst. ID:	GC02 59I	**Sample Size:** 0.1 g	**PrepDate:** 02/01/08 9:45
ColumnID:	Rtx-5MS	**%Moisture:**	**BatchNo:** 6983/R12714
Revision:	02/05/08 9:58	**TestCode** 8015O TPH	**FileID:** 1-SAMP-E:\02feb08\I020109.rst
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HYDROCARBONS BY GC/FID				**SW8100**		**(SW3580A)**
Gasoline	1200000		6200	mg/Kg	50	02/01/08 18:39
Kerosene (#1 Fuel)	ND		25000	mg/Kg	50	02/01/08 18:39
Lubricating Oil	ND		50000	mg/Kg	50	02/01/08 18:39
Mineral Spirits	ND		5000	mg/Kg	50	02/01/08 18:39
Diesel (#2 Fuel)	ND		25000	mg/Kg	50	02/01/08 18:39
#6 Fuel	ND		25000	mg/Kg	50	02/01/08 18:39
Surr: o-Terphenyl	0	S	30-130	%REC	50	02/01/08 18:39
Surr: Octacosane	0	S	30-130	%REC	50	02/01/08 18:39

NOTES:

S - Surrogates diluted out.

The petroleum product identified in the sample is predominantly gasoline.

Qualifiers:					
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Abscope Environmental, Inc.	**Lab ID:**	**0801100-002B**
Project:		**Client Sample ID:**	*Tank #2*
W Order:	0801100	**Collection Date:**	01/23/08 12:00
Matrix:	LIQUID	**Date Received:**	01/24/08 7:58
Inst. ID:	GC02 59I	**Sample Size:** 0.1 g	**PrepDate:** 02/01/08 9:45
ColumnID:	Rtx-5MS	**%Moisture:**	**BatchNo:** 6983/R12714
Revision:	02/05/08 9:58	**TestCode** 8015O TPH	**FileID:** 1-SAMP-E:\02feb08\I020110.rst
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HYDROCARBONS BY GC/FID			**SW8100**			**(SW3580A)**
Gasoline	1200000		6200	mg/Kg	50	02/01/08 19:16
Kerosene (#1 Fuel)	710000		25000	mg/Kg	50	02/01/08 19:16
Lubricating Oil	ND		50000	mg/Kg	50	02/01/08 19:16
Mineral Spirits	ND		5000	mg/Kg	50	02/01/08 19:16
Diesel (#2 Fuel)	ND		25000	mg/Kg	50	02/01/08 19:16
#6 Fuel	ND		25000	mg/Kg	50	02/01/08 19:16
Surr: o-Terphenyl	0	S	30-130	%REC	50	02/01/08 19:16
Surr: Octacosane	0	S	30-130	%REC	50	02/01/08 19:16

NOTES:

S - Surrogates diluted out.

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Abscope Environmental, Inc.	**Lab ID:**	**0801100-001B**
Project:		**Client Sample ID:**	*Tank #1*
W Order:	0801100	**Collection Date:**	01/23/08 12:15
Matrix:	LIQUID	**Date Received:**	01/24/08 7:58
Inst. ID:	GCPK 19K	**Sample Size:** 0.5 g	**PrepDate:** 01/25/08 9:30
ColumnID:	DB-608	**%Moisture:**	**BatchNo:** 6944/R12670
Revision:	01/30/08 11:56	**TestCode** 8082O	**FileID:** 1-SAMP-E:\PKjan08\K012921.r
Col Type:	Primary		

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS BY GC/ECD				**SW8082**		**(SW3580A)**
Aroclor 1016	ND		0.500	mg/Kg	1	01/30/08 2:19
Aroclor 1221	ND		0.500	mg/Kg	1	01/30/08 2:19
Aroclor 1232	ND		0.500	mg/Kg	1	01/30/08 2:19
Aroclor 1242	ND		0.500	mg/Kg	1	01/30/08 2:19
Aroclor 1248	ND		0.500	mg/Kg	1	01/30/08 2:19
Aroclor 1254	ND		0.500	mg/Kg	1	01/30/08 2:19
Aroclor 1260	ND		0.500	mg/Kg	1	01/30/08 2:19
Surr: Tetrachloro-m-xylene	96.5		41-143	%REC	1	01/30/08 2:19
Surr: Decachlorobiphenyl	127		29-148	%REC	1	01/30/08 2:19

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Abscope Environmental, Inc.	**Lab ID:**	**0801100-002B**
Project:		**Client Sample ID:**	*Tank #2*
W Order:	0801100	**Collection Date:**	01/23/08 12:00
Matrix:	LIQUID	**Date Received:**	01/24/08 7:58
Inst. ID:	GCPK 19K	**Sample Size:** 0.5 g	**PrepDate:** 01/25/08 9:30
ColumnID:	DB-608	**%Moisture:**	**BatchNo:** 6944/R12670
Revision:	01/30/08 11:56	**TestCode** 8082O	**FileID:** 1-SAMP-E:\PKjan08\K012922.r
Col Type:	Primary		

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS BY GC/ECD				**SW8082**		**(SW3580A)**
Aroclor 1016	ND		0.500	mg/Kg	1	01/30/08 2:50
Aroclor 1221	ND		0.500	mg/Kg	1	01/30/08 2:50
Aroclor 1232	ND		0.500	mg/Kg	1	01/30/08 2:50
Aroclor 1242	ND		0.500	mg/Kg	1	01/30/08 2:50
Aroclor 1248	ND		0.500	mg/Kg	1	01/30/08 2:50
Aroclor 1254	ND		0.500	mg/Kg	1	01/30/08 2:50
Aroclor 1260	ND		0.500	mg/Kg	1	01/30/08 2:50
Surr: Tetrachloro-m-xylene	97.3		41-143	%REC	1	01/30/08 2:50
Surr: Decachlorobiphenyl	117		29-148	%REC	1	01/30/08 2:50

Qualifiers:

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E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Abscope Environmental, Inc.	**Lab ID:**	**0801100-001B**
Project:		**Client Sample ID:**	*Tank #1*
W Order:	0801100	**Collection Date:**	01/23/08 12:15
Matrix:	LIQUID	**Date Received:**	01/24/08 7:58
Inst. ID:	ICAP 61E	**Sample Size:** 1 mL	**PrepDate:** 02/01/08 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6981/R12732
Revision:	02/07/08 8:44	**TestCode** 6010W10	**FileID:** 1-SAMP-37266
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				**SW6010B**		**(SW3010A)**
Lead	ND		0.50	mg/L	1	02/05/08 12:36

NOTES:
The reporting limit was raised due to sample matrix interference.

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Abscope Environmental, Inc.	**Lab ID:**	**0801100-002B**
Project:		**Client Sample ID:**	*Tank #2*
W Order:	0801100	**Collection Date:**	01/23/08 12:00
Matrix:	LIQUID	**Date Received:**	01/24/08 7:58
Inst. ID:	ICAP 61E	**Sample Size:** 1 mL	**PrepDate:** 02/01/08 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6981/R12732
Revision:	02/07/08 8:44	**TestCode** 6010W10	**FileID:** 1-SAMP-37267
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				**SW6010B**		**(SW3010A)**
Lead	16		0.50	mg/L	1	02/05/08 12:40

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
Brittonfield Lab

5000 Brittonfield Parkway, Suite 200
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

Client: Absecon Environmental
Project: Malta Test Facility
Sampled by: Rob Drabot
Client Contact: Rob Drabot Phone # 697-8437

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method: TOX	Flash	TPH/FID	PCB's	T-Pb			Comments
TANK #1	1/23/08	12:15	fuel	G	2	X	X	X	X	X			
TANK #2	1/23/08	12:00	fuel	G	2	X	X	X	X	X			

Relinquished by:	Date: 1/24/08	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by Lab: Monika Santacruz	Date: 1/24/08	Time: 7:58 am
Shipment Method:			Airbill Number:		

Turnaround Time Required:
Routine X
Rush (Specify)

Cooler Temperature: 4.2°C

Comments:

Original - Laboratory
Copy - Client

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **ABSCOPE**

Date and Time Received: **1/24/2008 7:58:00 AM**

Work Order Number **0801100**

Received by: MS

Checklist completed by: _____ Initials 1/24/08 Date

Reviewed by: MS Initials 1/24/08 Date

Matrix: Carrier name: Hand Delivered

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

Comments:

Corrective Action::

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057
TEL: *(315) 437-0200* FAX: *(315) 437-0377*

CHAIN-OF-CUSTODY RECORD

Subcontractor:

Summit Environmental Technologies
595 East Tallmadge Ave.
Akron, OH 44310

TEL: (800) 278-0140
FAX:
Acct #:

24-Jan-08

Client Sample ID	Sample ID	Matrix	Collection Date	Bottle Type	Requested Tests: TOX						
Tank #1	0801100-001A	Liquid	01/23/08 12:15	16OZ	1						
Tank #2	0801100-002A	Liquid	01/23/08 12:00	16OZ	1						

0801064-01-02

Comments: Please send report to: Monika Santucci

Shipped via UPS Next Day Air 1Z XA9 986 01 4451 0601
Custody seal # 080124

		Date/Time			Date/Time
Relinquished by:		1/24/08 1600	**Received by:**		
Relinquished by:			**Received by:**		1/25/08 9:30

Summit Environmental Technologies, Inc.
Cooler Receipt Form

Client: Life Science Order Number: 0801064

Date Received: 1/25/08 Time Received: 9:50

Number of Coolers/Boxes: 1 N/A

Shipper: FED EX (UPS) DHL Airborne US Postal Walk-in Pickup Other:

Packaging: Peanuts (Bubble Wrap) Paper Foam None (Other: Air Cell)

Tape on cooler/box:	(Y)	N	N/A
Custody Seals intact	Y	N	(N/A)
C-O-C in plastic	(Y)	N	N/A
Ice X Blue ice _____	(present) / absent / melted		N/A
Sample Temperature	2 °C		N/A
C-O-C filled out properly	(Y)	N	N/A
Samples in separate bags	(Y)	N	N/A
Sample containers intact*	(Y)	N	N/A

*If no, list broken sample(s):

Sample label(s) complete (ID, date, etc.)	(Y)	N	N/A
Label(s) agree with C-O-C	(Y)	N	N/A
Correct containers used	(Y)	N	N/A
Sufficient sample received	(Y)	N	N/A
Bubbles absent from 40 mL vials**	Y	N	(N/A)

** Samples with bubbles less than the size of a pea are acceptable.

Was client contacted about samples	Y	N
Will client send new samples	Y	N

Client contact:

Date/Time:

Logged in by:

Comments:

Rev. 6