Advanced Cleanup Technologies, Inc.

ENVIRONMENTAL CONSULTANTS

INSTALLATION REPORT

Tony's Cleaners
429 Merrick Road
Lynbrook, New York 11563

April 10, 2013

ACT File #: 7045-LBNY

Prepared for:

Mr. Howard Zuckerman
Nu-Life Realty
429 Merrick Road
Lynbrook, New York 11563

Prepared by:

Advanced Cleanup Technologies, Inc.
960 South Broadway, Suite #100
Hicksville, New York 11801

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1.0 INTRODUCTION AND STATEMENT OF PURPOSES

1.1 Introduction

The property located at 429 Merrick Road, Lynbrook, New York (the Site) is currently occupied by Tony's Cleaners where dry cleaning operations take place. Past activities have resulted in the presence of volatile organic compounds (VOCs) to underlying soil and ground water. The most prevalent VOCs identified in the soil beneath the Site are Tetrachlorothene (PCE), Trichloroethene (TCE) and cis-1,2 Dichloroethene.

Advanced Cleanup Technologies, Inc. (ACT) was given the work assignment to install a Sub-Slab Depressurization (SSD)/Soil Vapor Extraction (SVE) System beneath the Site to protect occupants of the building and remediate contaminated soil and ground water beneath the ground. Operation of the SSD/SVE System will also control the migration of contaminated ground water by depressing the water table beneath the Site. The SSD/ SVE system includes off-gas treatment with vapor phase granular-activated carbon (GAC).

1.2 Statement of Purposes

This document provides operational guidance to keep the SSD/SVE system operating efficiently and insure timely site closure. The tasks include monitoring air flow, vacuum, temperature, and soil vapor quality and periodically replacing the vapor phase GAC.

The objectives of the SSD/SVE system are: 1) to maintain a negative pressure beneath the building foundation in order to prevent VOCs from entering the building's breathing zone; 2) to remove VOCs from subsurface soil and ground water and to restore the ground water to drinking water quality or to the best quality reasonably attainable using the best available technology, and 3) to prevent any further migration of ground water containing VOCs beyond the Site.

1.3 Previous Environmental Investigations

A previous environmental investigation was performed by Brockerhoff Environmental Services LLC in February 2012. During the investigation, seven soil borings were installed, screened and sampled from beneath the Site, four of them within the dry cleaning building. Additionally, three monitoring wells were installed, screened and sampled throughout the Site, and the four on-Site dry wells were surveyed and sampled.

No VOCs were identified above soil cleanup objectives in any of the soil borings except for PCE and Trichloroethene TCE at SS-2 next to the dry cleaning machine and PCE at SS-4 inside the northern portion of the building. Additionally, PCE was found in MW-1 and MW-2 and TCE in MW-2 above water quality standards. According to that investigation, PCE was also found in high concentrations in a sediment sample, DW-1. However, the location where that sample was collected could not be replicated during subsequent sampling events. The results of that investigation are included in Appendix D.

On July 13, 2012 ACT screened and sampled the three on-Site monitoring wells and installed, screened and sampled a fourth monitoring well in the southwest corner of the Site which is hydraulically downgradient of the dry cleaning establishment. The investigation confirmed that PCE and TCE was present above water quality standards in front of the building (MW-2) and PCE was found only slightly above water quality standards at the downgradient perimeter of the Site (MW-4).

On August 15, 2012 ACT installedand sampled three additional soil borings inside the dry cleaning building. Three temporary monitoring wells were also installed and sampled at the bore hole locations. Finally, three dry wells (DW-1, DW-3 and DW-4) were sampled in the northern and southern exterior portions of the Site. No VOCs were detected above regulatory criteria in any of the soil borings except for Methylene Chloride in the deep sample from SB-2. Methylene Chloride was also found in the laboratory's method blank and is probably a laboratory artifact.

PCE and TCE were identified significantly above water quality standards in the ground water samples from TW-1, TW-2 and TW-3. No VOCs were detected above regulatory criteria in any of the dry well sediment samples. Laboratory analytical results can be seen in Appendix E.

2.0 SUB SLAB DEPRESSURIZATION SOIL VAPOR EXTRACTION SYSTEM

2.1 Description of System

Figure 1 shows the piping layout for the SSD/SVE system. The SSD/SVE system consists of two vertical 2 inch diameter vapor extraction wells installed to within 1 foot of the water table. The SSD/SVE wells are connected to a single 2 inch diameter manifold pipe which is leads into the boiler room. The SSD/SVE system is powered by a 3 Hp FPZ regenerative blower. Vapor treatment for the air stream exiting the SSD/SVE blower consists of two 175-pound activated vapor-phase GAC adsorbers run in series.

The regenerative blower and controls are located in the boiler room in the northwest corner of the building. The vapor treatment units are located in the rear alley along the northern exterior wall of the building. After treatment with carbon, the air streams are discharged through a 2 inch exhaust pipe located above the roof. The SSD/SVE blower is equipped with a moisture separator, air filter, gauges and switches to control its operations. The suction lines are equipped with vacuum relief valves to avoid excessive vacuum loads on the blower. Figure 2 contains the Process and Instrumentation Diagram for the Remedial System.

2.2 Equipment and Controls

The regenerative blower is equipped with a vacuum relief valve, in-line filter and moisture separator with a high level liquid level switch. The suction side of the blower is equipped with a filter to remove particulates and a moisture separator to remove excessive moisture. The vacuum relief valve is used to adjust the vacuum placed upon the manifold to the SSD/SVE pipe. Ball valves on each riser pipe adjust vacuum to each of the SSD/SVE wells.

The blower is equipped with control switches to shut down the blower in the event of an alarm condition. The moisture separator will shut the blower down when the liquid level within the moisture separator rises to a preset level, triggering an alarm condition. A high pressure switch will shut down the blower if the vacuum at the blower inlet rises past the alarm set point. An internal thermal overload switch will shut the blower down if there is an overload on the blower.

In the event of an alarm, a control panel on the wall inside the boiler room will indicate specific operating and alarm conditions by illumination of a light or position of a switch. A Netbiter wireless telemetry system programmed with a contact phone number and will send an email and text alert after the alarm has been detected.

2.3 Operation and Maintenance

2.3.1 Start-up Procedure

To start the SSD/SVE system, the following procedure should be used:

1. Open all valves on the individual extraction lines to be operated. Close all others.
2. Close all sample ports.
3. Close drain valve on moisture separator.
4. Turn the power control switch, located on the control panel, to the "ON" position.
5. Reset alarms by pressing the "Alarm Reset" button on the control panel.
6. Start the blower using the disconnect switch located on the control panel.
7. Fine tune the flow rates from the individual extraction pipes by adjusting the ball valves on the manifold. Fine tune the total flow by adjusting the pressure relief valve on the blower.
8. Check and record all the pressure gauge and the temperature gauge associated with each system and compare with normal operating ranges.

To stop operation of the SSD/SVE system, turn the power off to the individual blower by using the disconnect switch on the control panel or the main switch outside the control panel.

2.3.2 Routine Operating Procedures

The SSD/SVE system operates by placing a vacuum on the extraction pipes. As the air passes through the soil the contamination volatilizes and is drawn from the soil through the extraction piping and into the blowers. The amount of vacuum is controlled by the vacuum relief valve located on the blower package and the flow control valve associated with each extraction pipe on the manifold. The options for operation of each system are as follows:

1. Opening vacuum relief valve - decreases the vacuum on the entire system. Opening the vacuum relief valve increases the exhaust flow rate by adding atmospheric air, but will decrease the concentration of vapors in the exhaust. The flow rate from the individual extraction pipes will be decreased due to a decrease in vacuum.

2. Closing vacuum relief valve - increases the vacuum on the entire system. Closing the vacuum relief valve decreases the exhaust flow rate, but increases the concentration of vapors in the exhaust by placing a higher vacuum on the extraction pipes and it will also increase the extraction rate.

3. Opening the flow control valves on the extraction pipes - will increase the vacuum and flow rate from the individual point.

4. Closing the flow control valves on the extraction pipes - will decrease the vacuum and flow rate from the individual point.

2.3.3 Maintenance

2.3.3.1 Extraction Blower

The extraction blower requires little or no maintenance to perform as designed. Maintenance activities should involve keeping the filter clean and the moisture separator empty. The blower is difficult to disassemble and reassemble; therefore, prior to any attempts to repair the blower, the manufacturer should be consulted.

2.3.3.2 Moisture Separator

The moisture separator should remain free of liquid at all times. Both extraction pipes are located within 1 foot of the water table. However, no liquid was observed in the moisture separator during startup and the water table is not expected to rise close enough to the bases of the well screens to permit water to enter the treatment system.

2.3.3.3 Vapor Phase Carbon Units

The carbon units are relatively simple to maintain. Maintenance typically will only consist of replacing spent carbon. In general, the vapor streams will be monitored in the field at the pre-, mid- and post-carbon locations on a monthly basis. Breakthrough of VOCs at the exhaust to the effluent sampling port will institute a changeout of these carbon units. Changeout will be scheduled to occur within two to three weeks. The spent carbon units may only be changed with fresh carbon.

When breakthrough occurs, disposal of the carbon will be required. All disposal documentation including the waste characterization results and completed waste manifests will be included in regular monitoring reports and kept on file by ACT.

2.3.4 Troubleshooting

2.3.4.1 Regenerative Blower

Table 3 identifies possible problems, symptoms and potential solutions that may occur while operating the regenerative blower. Once the regenerative blower is either repaired or replaced, the system should be re-started and monitored in accordance with Section 2.3.1.

2.3.4.2 Moisture Separator

The moisture separator should stay dry during normal remedial system operations. In the event water enters the moisture separator, the high level switch will shut down the regenerative blower and send an alarm through the Netbiter. Liquid in the moisture separator will be transferred into a drum and stored onsite until offsite transport and disposal can be arranged through a licensed waste hauler.

2.3.4.3 Vapor Phase Carbon Units

The most common problem likely to be encountered, if any, is that the concentrations of contaminants in the vapor exiting the carbon units exceed a certain level. When this occurs the carbon must be replaced. Spent carbon must be removed and regenerated at an offsite facility; or most commonly, removed and disposed. Relative humidity greater than 50% can reduce carbon capacity.

3.0 SYSTEM MONITORING

The operation of the SSD/SVE system will be monitored by instrumentation such as a flow meter, level sensor and pressure gauge. Signals from each instrument are transmitted from where they are installed in the process line to the control panel located on the inside wall of the treatment room.

Operational data, such as water levels, air pressure, and equipment failures will be recorded during monthly inspections. Screening results will be continuously reviewed and evaluated for reductions from the previous month's screening results. Based on the results, system modifications may be made as frequently as once a month.

3.1 Inspections

The remediation systems will be inspected and sampled according to the schedule shown in Appendix C. Any failures, faults or unusual observations will be investigated fully. Any equipment that is found to be out of adjustment or in disrepair will be repaired or serviced. Manufacturer's information for the major pieces of equipment is provided in the manual included in Appendix A.

3.2 Observations

The inspection items that will be observed and recorded during screening, sampling and monitoring events are included on the Data Sheets located in Appendix D. A general list of observations is listed below.

- Weather Conditions

  The weather will be monitored for parameters including current weather conditions (sunny, raining, etc.), air temperature, wind direction, wind speed, relative humidity and barometric pressure.

- Equipment Operations and System Operating Parameters

  The operating configuration of the regenerative blower, moisture separator and carbon units will be recorded. Operations that will be recorded include the flow and pressure at each recording location.

  The air flow rate and vacuum downstream of the regenerative blower will also be recorded.

  The pressures at the regenerative blower outlets (pre-carbon) and between carbon locations will also be recorded.

  The temperature of the effluent air stream after each blower will be recorded.

  Photoionization detector (PID) readings will be made from air samples collected at the pre-, mid- and post-carbon sample ports.

- Vapor Monitoring Points

  The vacuum in each vapor monitoring point located in the basement will be recorded.

3.3 Air Quality

Ambient concentrations of VOCs will be measured inside the boiler room using a PID equipped with a 10.2 eV bulb. In addition pre-, mid- and post-carbon samples from both vapor phase carbon units will be measured using a PID.

Effluent vapor samples will be collected in Tedlar bags a minimum of once per month and analyzed for VOCs by an ELAP-certified laboratory for VOCs by EPA Method TO-15.

3.4 Waste Disposal

Some waste material will be generated during the operation of the remedial systems. The principal source of waste is carbon from carbon changeouts. Liquid wastes from the moisture separators may also be generated. The removal and disposal of waste shall be completed following guidelines defined by OSHA, NYSDEC, New York State Department of Transportation (NYSDOT) and the USEPA. A disposal or regeneration facility and waste transporter shall be contacted and scheduled for the removal of the waste. The collection and generation of waste should be noted on the Data Sheets provided in Appendix D.

3.5 Reporting Documentation

All data collected during field activities shall be recorded into a spreadsheet program following each day's activities. Keeping data up to date will allow the operator to monitor system performance by comparing new data with past operating data. Data that will be continuously updated during O&M activities includes:

- summary of system operation;
- airflow data and calculations;
- summary of temperatures;
- laboratory data for all sample ports sampled;
- PID data for all sample ports sampled;
- carbon performance data;
- summary of pressure and vacuum gauge readings;
- summary of O&M activities; and,
- summary of system alarms.

Any additional data that may provide insight into the operation of the remedial systems will also be compiled.

4.0 SITE MONITORING AND REPORTING

4.1 Monitoring

A long-term water quality monitoring program will be implemented to demonstrate continued control of ground water and to monitor improvements in water quality in the ground water monitoring wells at the Site.

Quarterly sampling of monitor wells will provide assessments of the extent and mobility of the VOCs. The data generated will be used to make a demonstration for system modifications (i.e., pressure changes) or termination in the future.

The quarterly sampling will include analysis of ground water collected from four onsite ground-water monitor wells (MW-1 through MW-4). The locations of the ground water monitoring wells are shown on Figure 1.

After water-level measurements are recorded, ground-water samples will be collected from the monitoring wells using the low-flow sampling method (EPA Low-Flow Ground-Water Sampling Procedures, April 1996). The ground water will be evacuated using a low-flow peristaltic pump or inertial pump fitted with dedicated polyethylene tubing. The tubing intake will be set approximately 1 to 2 feet above the bottom of each monitor well. In an attempt to minimize turbidity in each well, ground water will be purged for approximately 10 minutes prior to measuring any parameters.

After purging, the effluent end of the tubing will be disconnected from the flow-through cell and the ground-water samples will be collected in laboratory prepared sample containers.

All of the samples will be stored on ice in a cooler to maintain a constant temperature until delivery to the laboratory under chain-of-custody procedures. All monitoring well ground-water samples will be analyzed for VOCs by EPA Method 8260.

4.2 Reporting

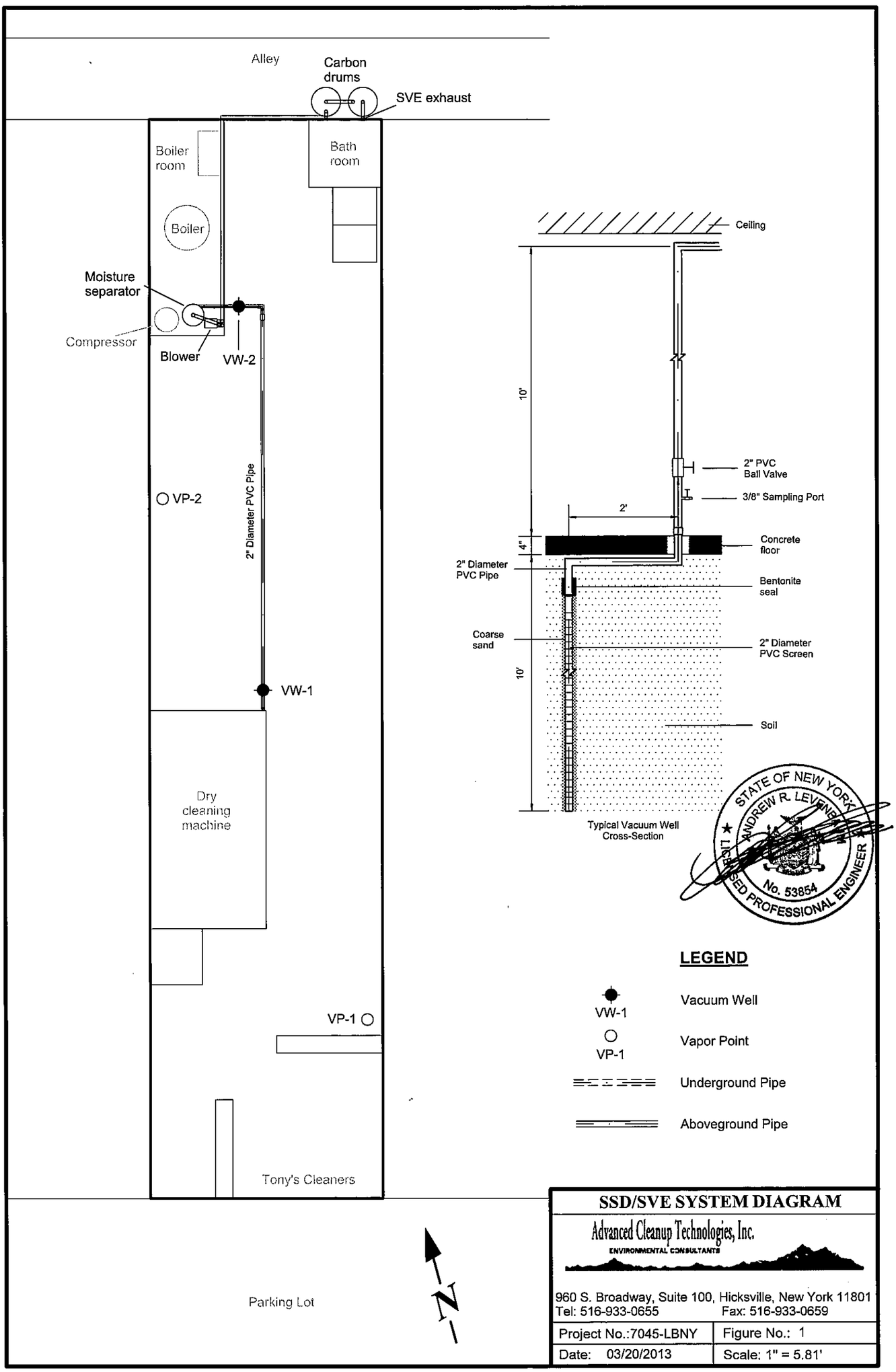
ACT will prepare a status report on a quarterly basis. The report will include a summary of remedial system operations, maintenance, monitoring, ground-water flow and ground-water flow data accumulated from the site over the preceding quarter. Included as attachments to the report will be analytical laboratory reports, Field Sheets, Calculation Sheets (if necessary) and descriptions of the following:

- system downtime/reason;
- operational issues; and,
- maintenance log.

At a minimum, with respect to the preceding quarter, these progress reports shall:

1. describe the actions which have been taken during that quarter,
2. include all sampling reports, test results and all other data,
3. describe work planned for the next quarter with schedules relating such work to the overall project schedule for the completion of remedial activities,
4. describe problems encountered or anticipated, actual or anticipated delays, and solutions developed and implemented to address actual or anticipated problems or delays.

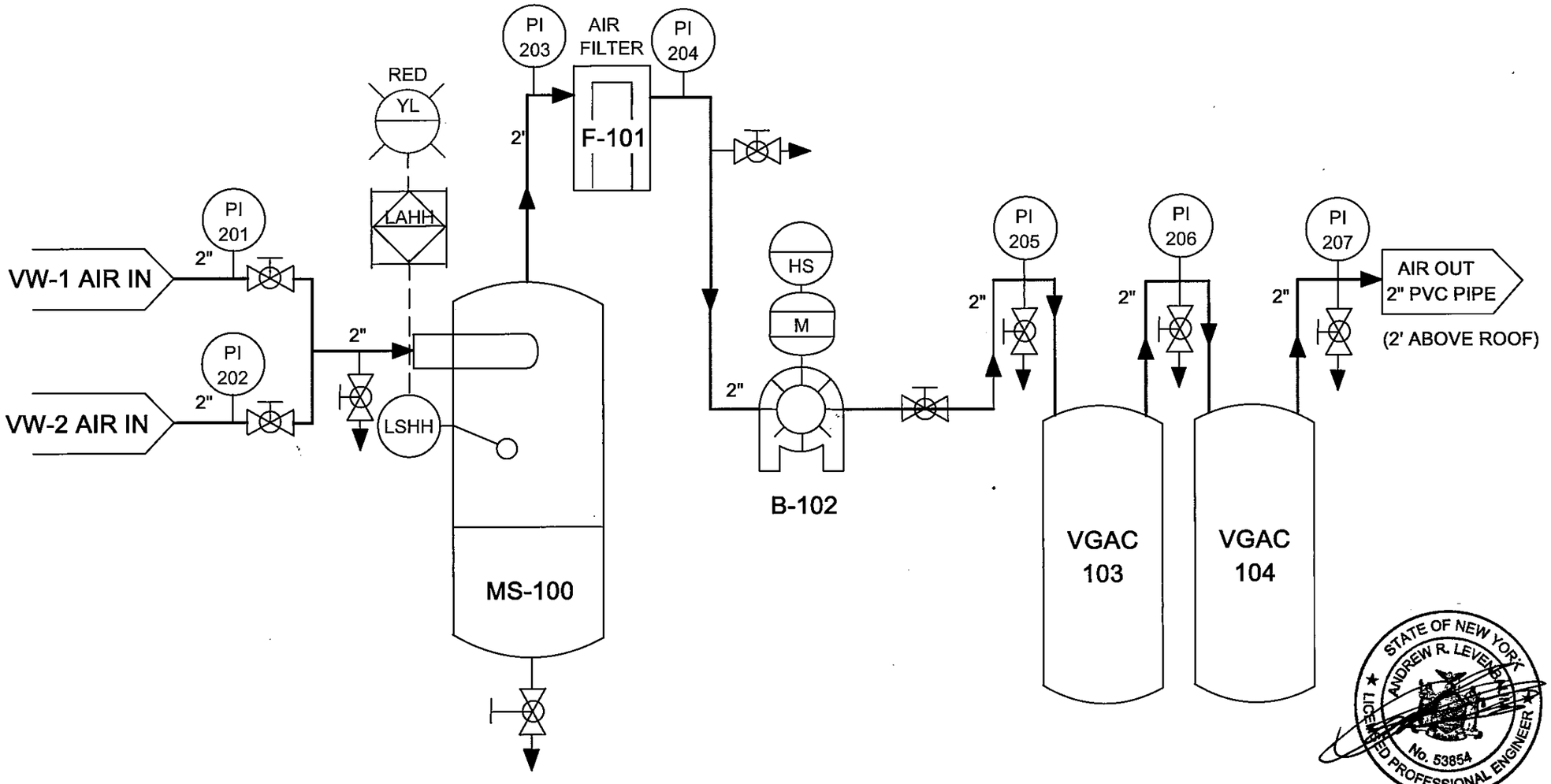
FIGURES



SSD/SVE SYSTEM DIAGRAM

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS
960 S. Broadway, Suite 100, Hicksville, New York 11801
Tel: 516-933-0655 Fax: 516-933-0659

Project No.:7045-LBNY	Figure No.: 1
Date: 03/20/2013	Scale: 1" = 5.81'



MS-100
Moisture Separator

F-101
Air Filter

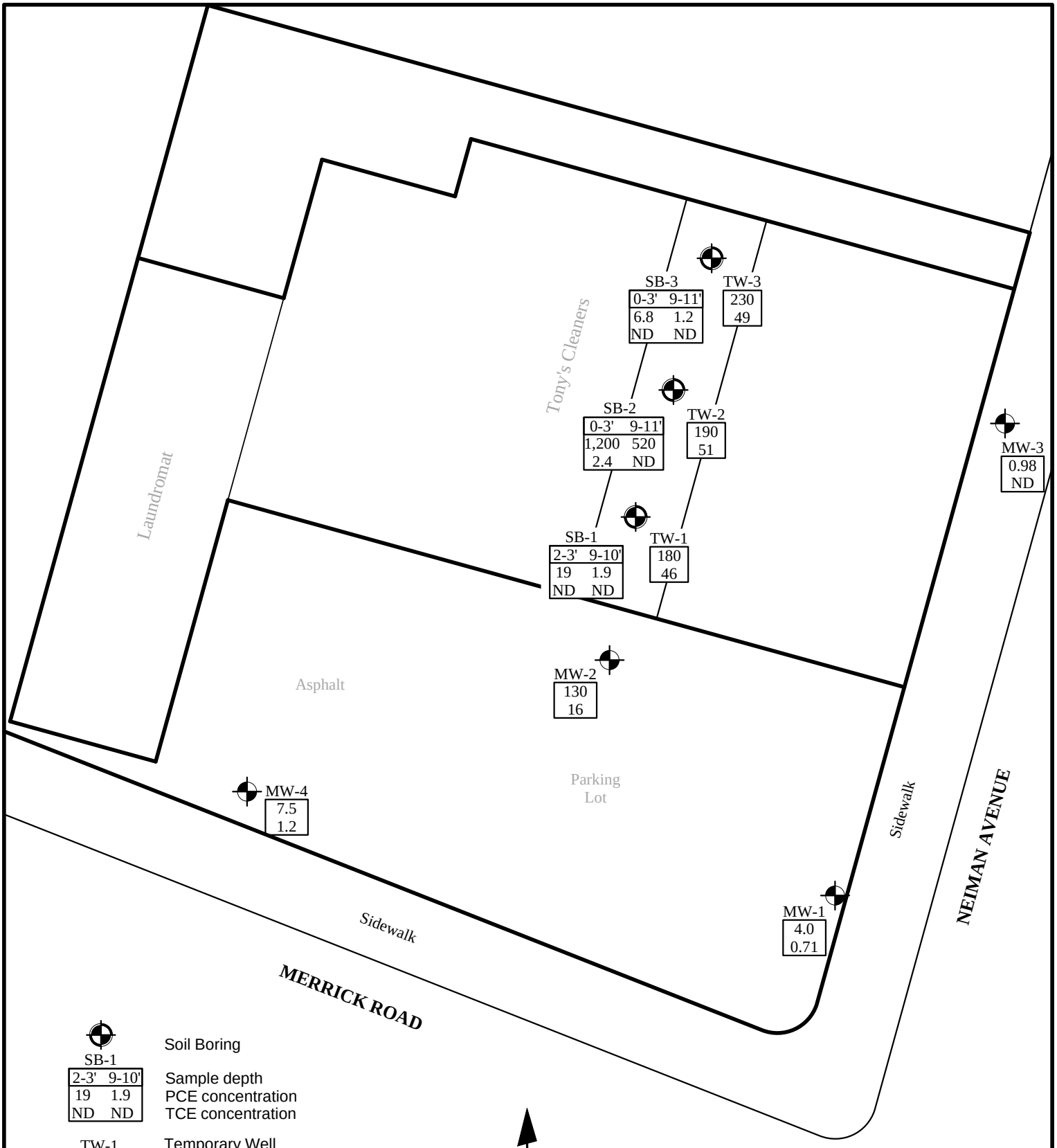
B-102
Blower
MFG: FPZ
Model: K-05
HP: 3

VGAC-103 & 104
Vapor Carbon
MFG: Carbtrol
Model: GSE
Max Press: 10 psi
Max CFM: 100
Weight: 175 lb

PROCESS & INSTRUMENTATION DIAGRAM

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS
960 S. Broadway, Suite 100, Hicksville, New York 11801
Tel: 516-933-0655 Fax: 516-933-0659

Project No.: 7045-LBNY	Figure No.: 2
Date: 04/08/2013	Scale: Not To Scale



Sampling Diagram

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS
960 S. Broadway, Suite 100, Hicksville, New York 11801
Tel: 516-933-0655 Fax: 516-933-0659

Project No.: 7045-LBNY	Figure No.: 3
Date: 03/20/2013	Scale: Not To Scale

TABLES

Table 1

Volatile Organic Compounds in Soil (ug/kg)
EPA Method 8260
429 Merrick Road
Lynbrook, NY

ACT Project No.: 7045-LBNY

Sample ID	Standard			SB-1 (2-3')	SB-1 (9-10')	SB-2 (0-3')	SB-2 (9-11')	SB-3 (0-3')	SB-3 (9-11')
Sample Date	UUSCO [1]	RRSCO [2]	CSCO [3]	8/15/2012	8/15/2012	8/15/2012	8/15/2012	8/15/2012	8/15/2012
1,1,1,2-Tetrachloroethane	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
1,1,1-Trichloroethane	680	100,000	500,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1
1,1,2,2-Tetrachloroethane	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
1,1,2-Trichloroethane	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
1,1-Dichloroethane	270	26,000	240,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1
1,1-Dichloroethene	330	100,000	500,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1
1,1-Dichloropropene	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
1,2,3-Trichlorobenzene	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
1,2,3-Trichloropropane	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
1,2,4,5-Tetramethylbenzene	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
1,2,4-Trichlorobenzene	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
1,2,4-Trimethylbenzene	3,600	52,000	190,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1
1,2-Dibromo-3-chloropropane	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
1,2-Dibromoethane	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
1,2-Dichlorobenzene	1,100	100,000	500,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1
1,2-Dichloroethane	20	3,100	30,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1
1,2-Dichloropropane	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
1,3,5-Trimethylbenzene	8,400	52,000	190,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1
1,3-Dichlorobenzene	2,400	49,000	280,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1
1,3-dichloropropane	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
1,4-Dichlorobenzene	1,800	13,000	130,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1
1,4-Dioxane	100	13,000	130,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1
2,2-Dichloropropane	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
2-Butanone	120	100,000	500,000	<5.3	<5.6	<5.5	<480	<5.2	<5.3
2-Chloroethyl vinyl ether	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
2-Chlorotoluene	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
2-Hexanone	NS	NS	NS	<5.3	<5.6	<5.5	<480	<5.2	<5.3
2-Propanol	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
4-Chlorotoluene	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
4-Isopropyltoluene	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
4-Methyl-2-pentanone	NS	NS	NS	<5.3	<5.6	<5.5	<480	<5.2	<5.3
Acetone	50	100,000	500,000	<5.3	<5.6	<5.5	<480	<5.2	<5.3
Acrolein	NS	NS	NS	<11	<11	<11	<950	<10	<11
Acrylonitrile	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Benzene	60	4,800	44,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Bromobenzene	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Bromochloromethane	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Bromodichloromethane	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Bromoform	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Bromomethane	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Carbon disulfide	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Carbon tetrachloride	760	2,400	22,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1

Table 1 Continued

Sample ID	Standard			SB-1 (2-3')	SB-1 (9-10')	SB-2 (0-3')	SB-2 (9-11')	SB-3 (0-3')	SB-3 (9-11')
Sample Date	UUSCO [1]	RRSCO [2]	CSCO [3]	8/15/2012	8/15/2012	8/15/2012	8/15/2012	8/15/2012	8/15/2012
Chlorobenzene	1,100	100,000	500,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Chlorodifluoromethane	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Chloroethane	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Chloroform	370	49,000	350,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Chloromethane	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
cis-1,2-Dichloroethene	250	100,000	500,000	<2.1	<2.2	**0.85**	<190	<2.1	<2.1
cis-1,3-Dichloropropene	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Dibromochloromethane	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Dibromomethane	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Dichlorodifluoromethane	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Diisopropyl ether	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Ethanol	NS	NS	NS	<5.3	<5.6	<5.5	<480	<5.2	<5.3
Ethyl acetate	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Ethylbenzene	1,000	41,000	390,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Freon-114	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Hexachlorobutadiene	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Isopropyl acetate	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Isopropylbenzene	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
m,p-Xylene	260	100,000	500,000	<4.3	<4.5	<4.4	<380	<4.1	<4.2
Methyl Acetate	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Methyl tert-butyl ether	930	100,000	500,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Methylene chloride	50	100,000	500,000	**7.7**	**8.1**	**7.9**	**740**	**8**	**8**
n-Amyl acetate	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Naphthalene	NS	NS	NS	<2.1	<2.2	0.37	<190	<2.1	<2.1
n-Butyl acetate	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
n-Butylbenzene	12,000	100,000	500,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1
n-Propyl acetate	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
n-Propylbenzene	3,900	100,000	500,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1
o-Xylene	260	100,000	500,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1
p-Diethylbenzene	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
p-Ethyltoluene	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
sec-Butylbenzene	11,000	100,000	500,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Styrene	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
t-Butyl alcohol	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
tert-Butylbenzene	5,900	100,000	500,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Tetrachloroethene	1,300	19,000	150,000	**19**	**1.9**	**1,200**	**520**	**6.8**	**1.2**
Toluene	700	100,000	500,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1
trans-1,2-Dichloroethene	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
trans-1,3-Dichloropropene	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Trichloroethene	470	21,000	200,000	<2.1	<2.2	**2.4**	<190	<2.1	<2.1
Trichlorofluoromethane	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Vinyl acetate	NS	NS	NS	<2.1	<2.2	<2.2	<190	<2.1	<2.1
Vinyl chloride	20	900	13,000	<2.1	<2.2	<2.2	<190	<2.1	<2.1

[1] Unrestricted Use Soil Cleanup Objectives, Table 375-6.8(a), 6 NYCRR 375, NYSDEC 2006

[2] Restricted Residential Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006

[3] Commercial Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006

Bolded values signify detection above method detection limit

NS = No Standard

Table 2

Volatile Organic Compounds in Ground Water (ug/l)
EPA Method 8260
429 Merrick Road
Lynbrook, NY

ACT Project No.: 7045-LBNY

Sample ID Sample Date	Standard [1]	MW-1 7/13/2012	MW-2 7/13/2012	MW-3 7/13/2012	MW-4 7/13/2012	TW-1 8/15/2012	TW-2 8/15/2012	TW-3 8/15/2012
1,1,1,2-Tetrachloroethane	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	0.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	0.7	<1.0	<1.0	<1.0	<1.0	**3.4**	**0.4**	**0.31**
1,1-Dichloropropene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	0.04	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4,5-Tetramethylbenzene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	5	<1.0	<1.0	<1.0	<1.0	**0.26**	<1.0	<1.0
1,2-Dibromo-3-chloropropane	0.04	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,2-Dibromoethane	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	0.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-dichloropropane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dioxane	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Butanone	50	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
2-Chloroethyl vinyl ether	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Chlorotoluene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Hexanone	50	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
2-Propanol	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Isopropyltoluene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone	NS	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Acetone	50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acrolein	5	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzene	0.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon disulfide	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Table 2 Continued

Sample ID Sample Date	Standard [1]	MW-1 7/13/2012	MW-2 7/13/2012	MW-3 7/13/2012	MW-4 7/13/2012	TW-1 8/15/2012	TW-2 8/15/2012	TW-3 8/15/2012
Chlorobenzene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorodifluoromethane	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	7	<1.0	<1.0	<1.0	**0.84**	<1.0	<1.0	<1.0
Chloromethane	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	5	<1.0	6.5	<1.0	<1.0	**460**	**24**	**26**
cis-1,3-Dichloropropene	0.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromochloromethane	50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorodifluoromethane	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diisopropyl ether	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethanol	NS	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethyl acetate	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	5	<1.0	<1.0	<1.0	<1.0	**0.31**	<1.0	<1.0
Freon-114	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachlorobutadiene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Isopropyl acetate	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Isopropylbenzene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m,p-Xylene	NS	<2.0	<2.0	<2.0	<2.0	**1.2**	<2.0	<2.0
Methyl Acetate	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methyl tert-butyl ether	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene chloride	5	**5.2**	**4.6**	**5.1**	**4.2**	**5.4**	**5**	**5.1**
n-Amyl acetate	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Butyl acetate	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
n-Butylbenzene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propyl acetate	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	NS	<1.0	<1.0	<1.0	<1.0	**0.59**	<1.0	<1.0
p-Diethylbenzene	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Ethyltoluene	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
t-Butyl alcohol	NS	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
tert-Butylbenzene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**4**	**130**	**0.98**	**7.5**	**180**	**190**	**230**
Toluene	5	<1.0	<1.0	<1.0	<1.0	0.8	<1.0	0.26
trans-1,2-Dichloroethene	5	<1.0	<1.0	<1.0	<1.0	3.2	0.36	0.29
trans-1,3-Dichloropropene	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	5	**0.71**	**16**	<1.0	**1.2**	**46**	**51**	**49**
Trichlorofluoromethane	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl acetate	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl chloride	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

[1] NYS DEC TOGS 1.1.1, June, 1998

Bolded values signify detection above method detection limit

NS = No Standard

Table 3

Troubleshooting Guidance Table

Troubleshooting

		POSSIBLE CAUSE	OUT OF WARRANTY REMEDY ***
IMPELLER DOES NOT TURN	Humming Sound	1. * One phase of power line not connected	1. Connect
		2. * One phase of stator winding open	2. Rewind or buy new motor
		3. Bearings defective	3. Change bearings
		4. Impeller jammed by foreign material	4. Clean and add filter
		5. Impeller jammed against housing or cover	5. Adjust
		6. ** Capacitor open	6. Change capacitor
	No Sound	1. * Two phases of power line not connected	1. Connect
		2. * Two pheses of stator winding open	2. Rewind or buy new motor
IMPELLER TURNS	Blown Fuse	1. Insufficient fuse capacity	1. Use time delay fuse of proper rating
		2. Short circuit	2. Repair
	Motor Overheated Or Protector Trips	1. High or low voltage	1. Check input voltage
		2. * Operating in single phase condition	2. Check connections
		3. Bearings defective	3. Check bearings
		4. Impeller rubbing against housing or cover	4. Adjust
		5. Impeller or air passage clogged by foreign material	5. Clean and add filter
		6. Unit operating beyond performance range	6. Reduce system pressure/vacuum
		7. Capacitor shorted	7. Change capacitor
		8. * One phase of stator winding short circuited	8. Rewind or buy new motor
	Abnormal Sound	1. Impeller rubbing against housing or cover	1. Adjust
		2. Impeller or air passages clogged by foreign material	2. Clean and add filter
		3. Bearings defective	3. Change bearings
	Performance Below Standard	1. Leak in piping	1. Tighten
		2. Piping and air passages clogged	2. Clean
		3. Impeller rotation reversed	3. Check wiring
		4. Leak in blower	4. Tighten cover, flange
		5. Low voltage	5. Check input voltage

3 phase units

* 1 phase units

** Disassembly and repair of new blowers or motors will void the Retron warranty. Factory should be contacted prior to any attempt to field repair an in-warranty unit.

APPENDIX A

MANUFACTURER EQUIPMENT SPECIFICATIONS

FPZ, Inc
150 N. Progress Drive
Saukville, WI 53080 - **U.S.A.**
Tel. (262) 268-0180
Fax (262) 268-0415
E-mail usa@fpz.com

REGENERATIVE BLOWERS - **VACUUM**

SCL K03 / K04 / K05 / K06

MS SERIES

TECHNICAL CHARACTERISTICS

- Aluminium alloy construction
- Smooth operation
- High efficiency impeller
- Maintenance free
- Mountable in any position
- Recognized TEFC - **cURus** motor

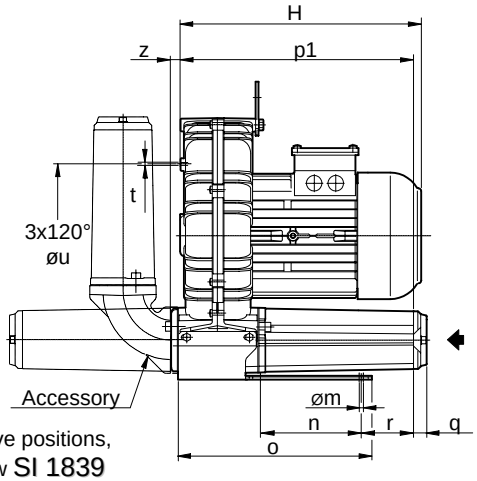
OPTIONS

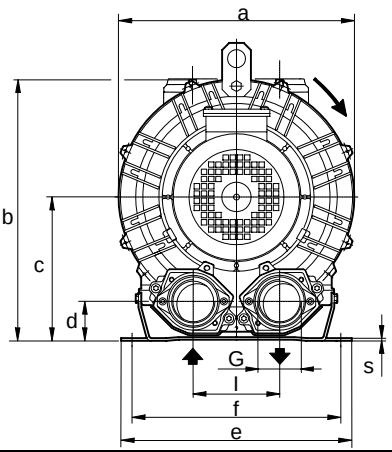
- Special voltages (IEC 38)
- Surface treatments

ACCESSORIES

- Inlet and/or inline filters
- Additional inlet/outlet silencers
- Safety valves
- Flow converting device
- Optional connectors

Dimensions in inches.
Dimension for reference only.





Possible alternative positions, please refer to drw SI 1839

Model	a	b	c	d	e	f	G	l	m	n	o	p1	q	r	s	t	u	z
K03-MS	**9.49**	**10.55**	**5.79**	**1.69**	**9.06**	**8.07**	**1" ¼ NPT**	**3.39**	**0.39**	**3.27**	**5.59**	**8.07**	**0.71**	**2.95**	**0.16**	**M6**	**5.51**	**0.47**
K04-MS	**11.22**	**12.40**	**6.77**	**1.93**	**10.04**	**8.86**	**1"1/2 NPT**	**4.02**	**0.47**	**3.74**	**6.73**	**8.74**	**0.71**	**2.76**	**0.16**	**M6**	**6.89**	**0.71**
K05-MS	**12.87**	**14.37**	**7.87**	**2.13**	**12.60**	**10.24**	**2" NPT**	**4.72**	**0.59**	**4.53**	**10.43**	**12.60**	**0.71**	**3.86**	**0.16**	**M8**	**7.87**	**0.75**
K06-MS	**14.80**	**15.47**	**8.07**	**2.13**	**12.80**	**11.42**	**2" NPT**	**4.92**	**0.59**	**5.51**	**10.71**	**13.15**	**0.71**	**3.35**	**0.16**	**M8**	**9.45**	**0.75**

Model	Maximum flow cfm		Installed power Hp		Maximum differential pressure Δp (In Hg)		Noise level Lp dB (A) (1)		Overall dimensions H	Weight
	60 Hz 3500 rpm	*50 Hz 2900 rpm*	60 Hz 3500 rpm	*50 Hz 2900 rpm*	60 Hz 3500 rpm	*50 Hz 2900 rpm*	60 Hz 3500 rpm	*50 Hz 2900 rpm*	Inches	Lbs
K03-MS	**52**	***43***	**3/4**	***3/4***	**4.7**	***3.7***	**61.0**	***59.0***	**10.43**	**24.30**
			1	***1***	**5.9**	***4.9***	**61.3**	***59.3***	**11.97**	**26.50**
K04-MS	**98**	***81***	**1 ½**	***1 ½***	**4.3**	***5.9***	**63.8**	***61.8***	**11.65**	**36.40**
			2	***2***	**6.3**	***6.6***	**64.0**	***62.0***	**13.78**	**43.00**
			3	**-**	**7.4**	**-**	**64.2**	**-**	**13.78**	**49.60**
K05-MS	**156**	***129***	**2**	***2***	**3.8**	***5.1***	**69.5**	***67.5***	**13.20**	**51.80**
			3	***3***	**6.6**	***7.1***	**69.8**	***67.8***	**13.20**	**58.40**
			4	**-**	**8.1**	**-**	**70.1**	**-**	**14.40**	**67.20**
K06-MS	**216**	***179***	**3**	***3***	**3.7**	***4.8***	**72.0**	***70.0***	**13.54**	**68.70**
			4	***4***	**5.5**	***7.0***	**72.3**	***70.3***	**14.17**	**71.65**
			5 ½	***5 ½***	**8.1**	***8.1***	**72.6**	***70.6***	**14.17**	**77.60**
			6 1/5 (2)	**-**	**9.6**	**-**	**72.9**	**-**	**14.45**	**77.60**

(1) Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.
(2) No cURus motor

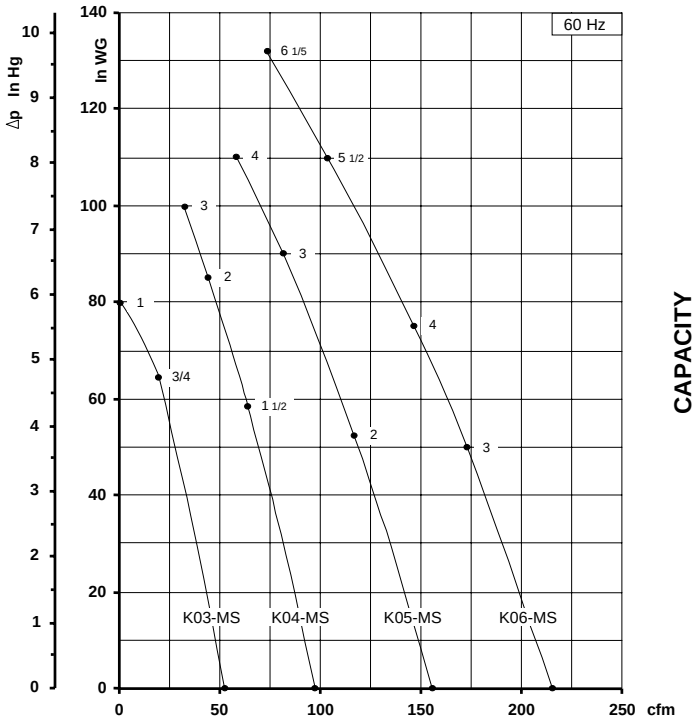
- For proper use, the blower should be equipped with inlet filter and safety valve; other accessories available on request.
- Ambient temperature from +5° to +104°F.
- Specifications subject to change without notice.

REGENERATIVE BLOWERS - **VACUUM**

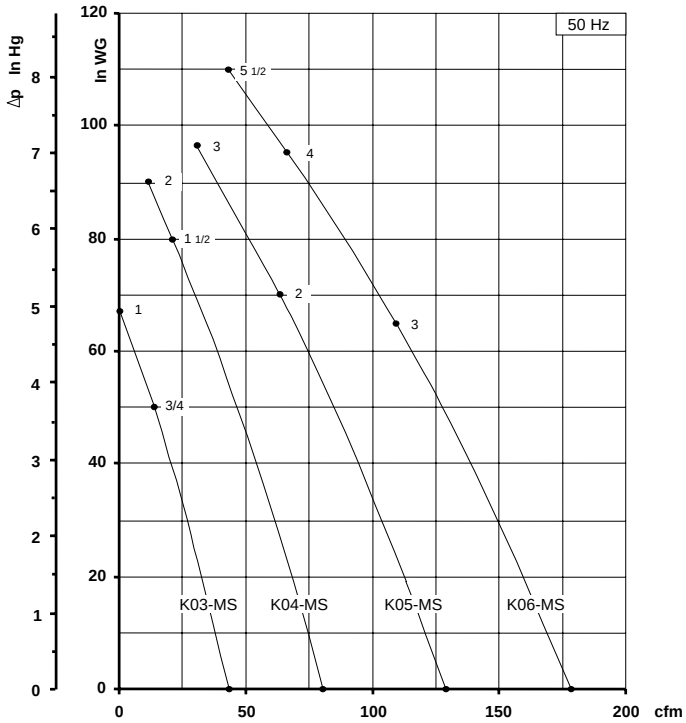
SCL K03 / K04 / K05 / K06

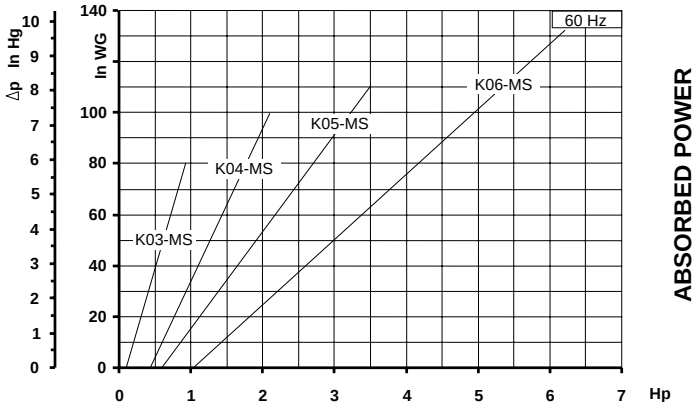
MS SERIES

SN 1879-8 2/2

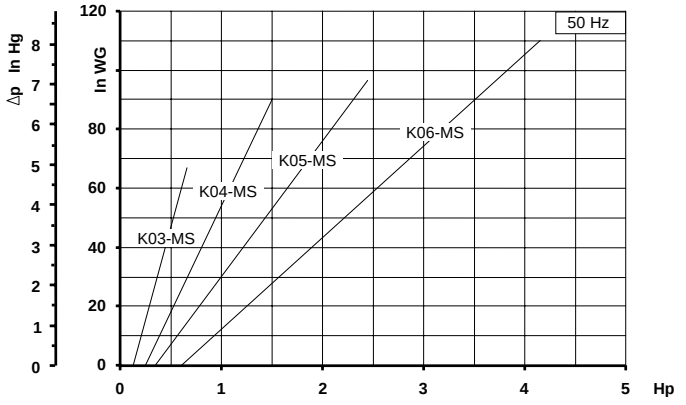


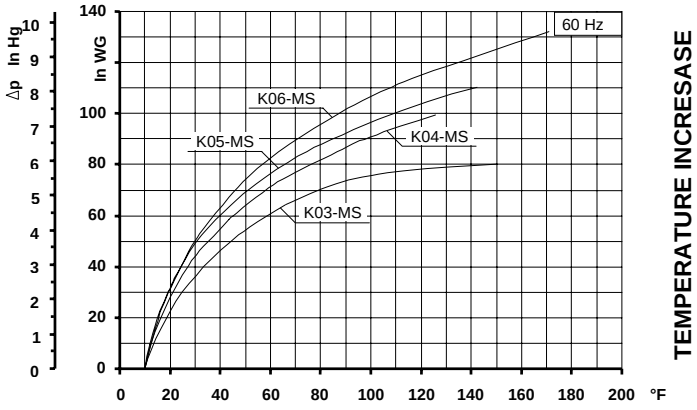
CAPACITY



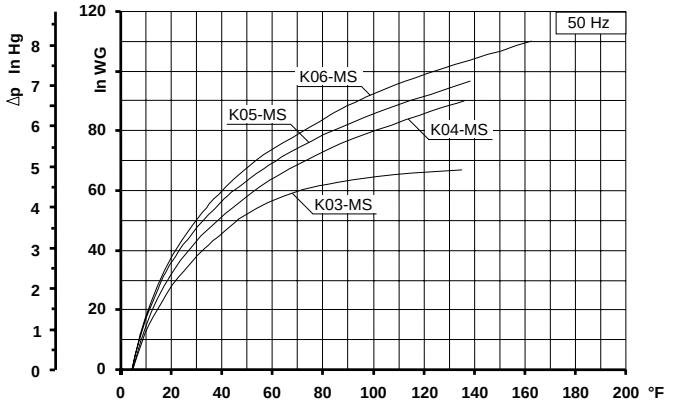


ABSORBED POWER

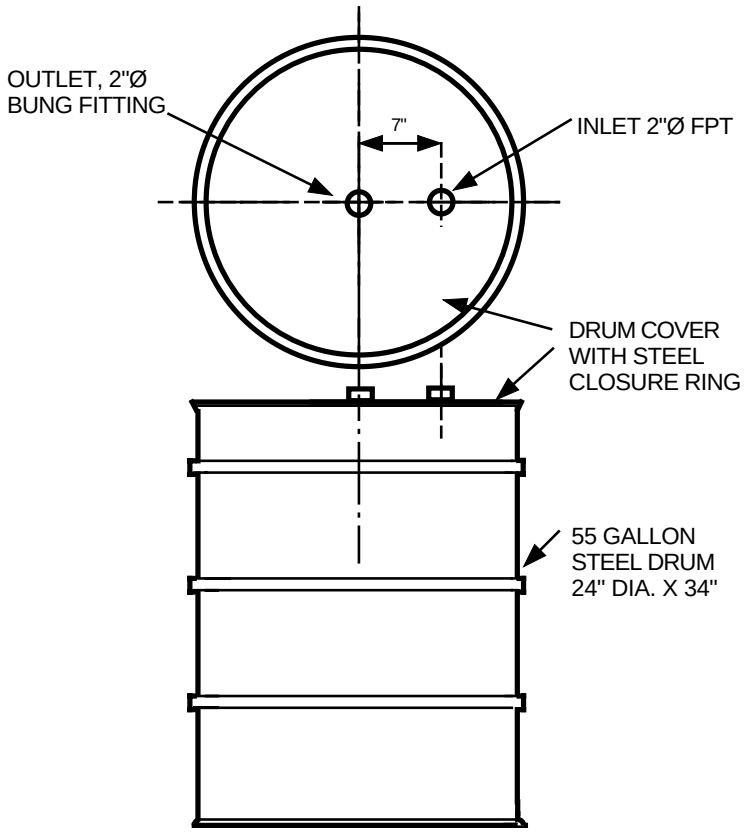




TEMPERATURE INCRESASE



Curves refer to air at 68° F temperature, measured at inlet port and 29.92 In Hg atmospheric backpressure (abs).
Values for flow, power consumption and temperature rise: +/-10% tolerance.
Data subject to change without notice.



SPECIFICATION

Model:	GSE
Design Flow:	100 CFM
Design Features:	
Pressure Drop:	2.75 inch w.c. at 100 CFM
Max Operating Pressure:	10 psi
Carbon:	175 lbs. of vapor phase carbon, 4 x 8 mesh
Canister:	24" dia. x 34" steel drum, PVC internal piping. DOT rated. Acceptable for transport of hazardous waste.
Connections:	Inlet - 2" Ø FPT Outlet - 2" Ø Bung fitting Inlet and Outlet located in cover.
Shipping Weight (lbs.):	215
Availability:	From Stock

CARBTROL ®
CORPORATION

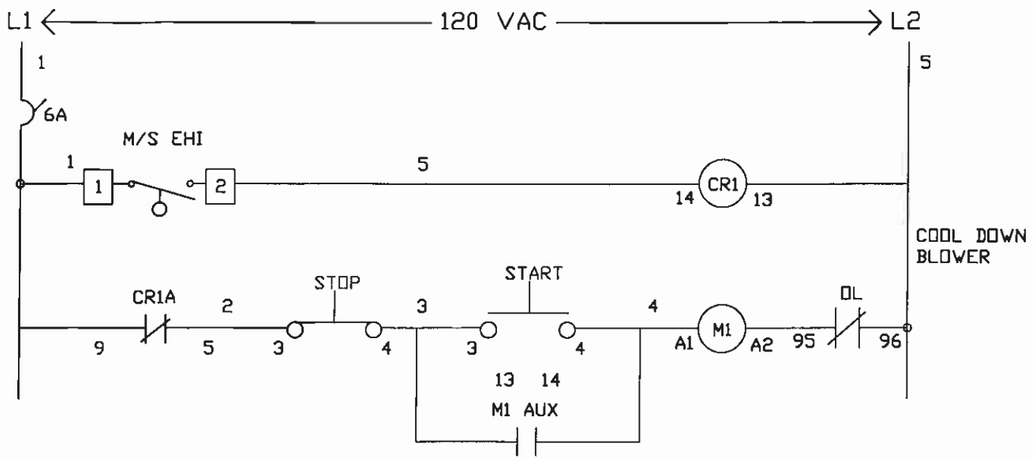
955 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607
(203) 337-4340

SCALE ----		BY WH
DATE 8-15-95		REV 3-24-99

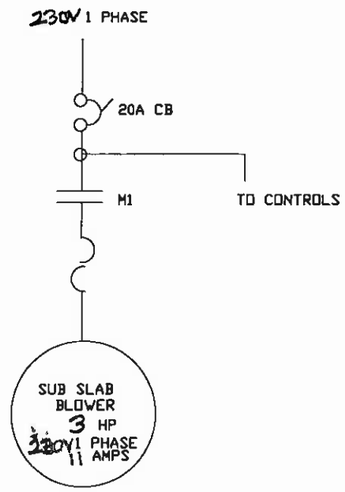
GSE
AIR PHASE CANISTER

ARRANGEMENT	**S**	DWG **2621/3**

LADDER LOGIC DIAGRAM

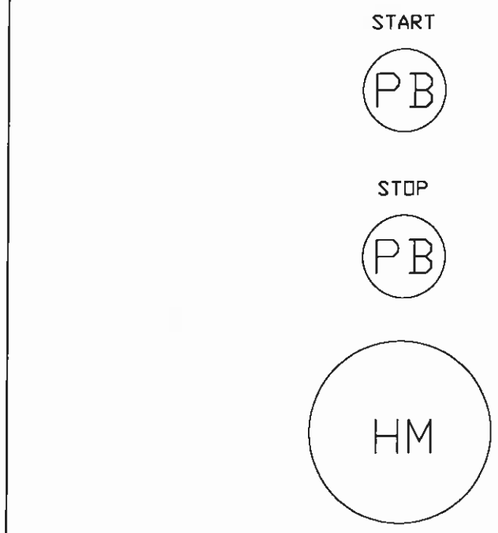


ONE LINE DIAGRAM



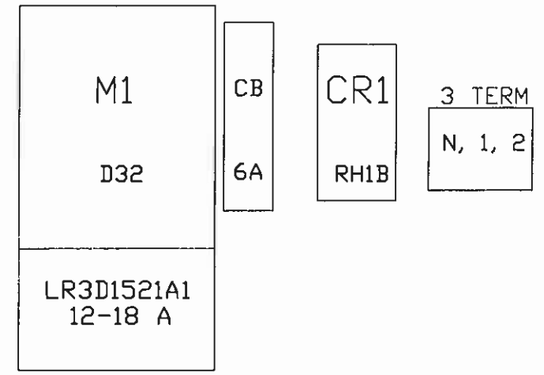
PANEL EXTERIOR

DIMENSIONS: 12" X 10" X 6" (FIBERGLASS)



SPACE FOR HOUR METER

PANEL INTERIOR



CONFIDENTIALITY NOTE:

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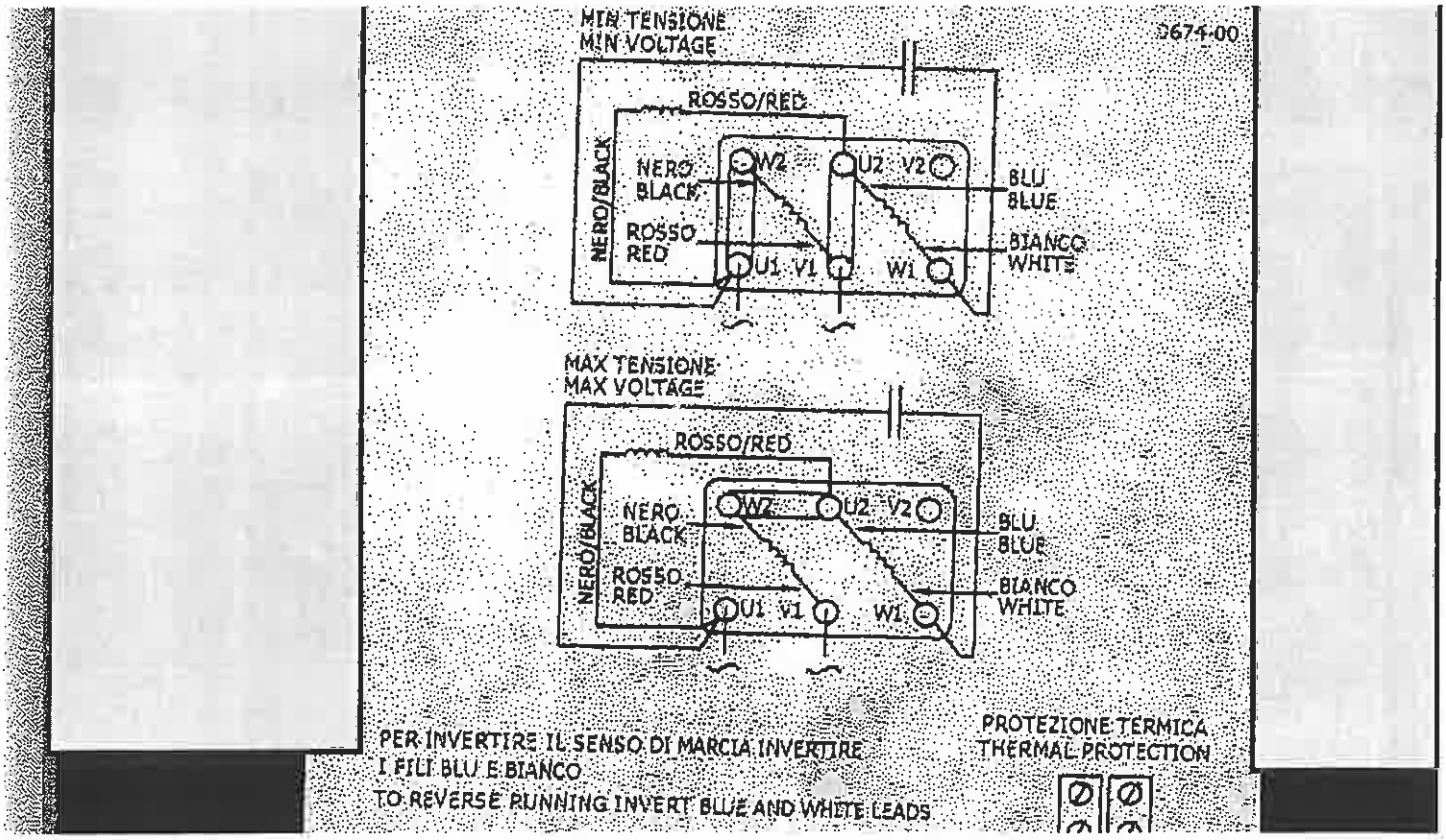
NES™ NATIONAL ENVIRONMENTAL SYSTEMS
84 DUNHAM STREET / ATTLEBORO, MA 02703
508-226-1100 (Phone) / 508-226-1180 (Fax)
www.nes-inc.biz

DRWN BY: RJD	DATE: 6/21/11	TITLE: CONTROL PANEL EXTERIOR INTERIOR LAYOUT/LADDER						
CHK BY	DATE	Advanced Cleanup Technologies, Port Washington, NY				JOB NO. 11-152		
APPR BY	DATE	SCALE N/A	SIZE B	DWG NO. E1 PNL IXL		SHEET E-1	REV A	

REV	DESCRIPTION	DATE	APPR
A	AS BUILT	8/31/11	EMB


MIN TENSIONE
MIN VOLTAGE
0674-00
ROSSO/RED
NERO/BLACK
NERO
BLACK
ROSSO
RED
W2
U2
V2
U1
V1
W1
BLU
BLUE
BIANCO
WHITE
MAX TENSIONE
MAX VOLTAGE
ROSSO/RED
NERO/BLACK
NERO
BLACK
ROSSO
RED
W2
U2
V2
U1
V1
W1
BLU
BLUE
BIANCO
WHITE
PER INVERTIRE IL SENSO DI MARCIA INVERTIRE
I FILI BLU E BIANCO
TO REVERSE RUNNING INVERT BLUE AND WHITE LEADS
PROTEZIONE TERMICA
THERMAL PROTECTION

Installation and Maintenance

Madison®

Liquid Level Switches

English • Español

Madison Company
27 Business Park Drive
Branford, CT 06405
(203) 488-4477 • Fax (203) 481-5036
E-mail: info@madisonco.com
www.madisonco.com

CERTIFIED ISO 9001:2000

ECN #08-493 • Effective Date 04/09 • MF-002, Rev. J

General Information

1. Switches should be installed rigidly so the float or floats are free to move as the liquid level changes.
2. Switches should be mounted in a tank area free of severe turbulence or protected from such turbulence by appropriate and adequate slosh shields.
3. Vertical switch stems should be vertical for best results, but satisfactory operation is possible in most liquids with the stem at up to a 30° angle from vertical.
4. Side mount switch stems must be mounted with the arrow vertically either up or down depending on switch operation.
5. Care should be taken that switches are always operated within electrical ratings.
6. Orientation for standard Vertical switches can be changed from normally open to normally closed dry or vice versa by removing the float and reversing it in the stem, except with the M3326.

Wire Table for Reed Switch		
Model	GA	Color
MT3920-1, -2, -3	22	Brown
MT5600-1, -2, -3, -4	22	Black
MT8000-1, -2	22	White

Note: Temperature lead wires normally smaller gauge size

Información General

1. Los interruptores deben de ser instalados rígidamente de manera que el flotador o los flotadores tengan libertad de movimiento cuando cambie el nivel de líquido.
2. Los interruptores deben de ser montados en un área del tanque que esté libre de turbulencia severa o protegidos de tal turbulencia con protectores de chapoteo apropiados.
3. Los vástagos de interruptor vertical deben de estar verticales para obtener óptimos resultados, pero es posible lograr una operación satisfactoria en la mayoría de los líquidos si el vástago está a un ángulo de hasta 30º de la línea vertical.
4. Los vástagos de interruptor de montaje lateral deben ser montados con la flecha en posición vertical, ya sea hacia arriba o hacia abajo, dependiendo de la operación del interruptor.
5. Hay que tener cuidado para que los interruptores siempre sean operados a los niveles eléctricos correspondientes.
6. Se puede cambiar la orientación para interruptores verticales estándar de normalmente cerrada a normalmente abierta seca o viceversa, retirando el flotador y colocándolo en el sentido opuesto en el vástago, excepto con el M3326.

Maintenance

Maintenance should consist of inspection to see that the float is free to move and not coated with any substance, which would change its weight or volume significantly. If this occurs, the float should be cleaned. This is easily accomplished without disturbing the installation. In addition, the stem may be wiped down to remove any build-up.

The only repair possible in the field is replacement of either the float or stem. Dents or nicks on the float are usually of no consequence to operation.

Mantenimiento

El mantenimiento debe consistir en una inspección para verificar que el flotador tenga libertad de movimiento y que no esté cubierto de ninguna sustancia que podría cambiar significativamente su peso o volumen. Si esto ocurre, deberá limpiar el flotador. Esto se logra fácilmente sin afectar la instalación. Además, el vástago puede limpiarse hacia abajo para quitar cualquier acumulación.

La única reparación de campo posible es el reemplazo del flotador o del vástago. Las abolladuras o melladuras en el flotador normalmente no tienen consecuencias para su operación.

Cautions

1. The pressure, temperature and electrical limitations shown for the specified level switches must not be exceeded.
2. The pressures and temperatures must take into consideration possible surges in the temperature and pressure of the system.
3. The liquids used must be compatible with the materials of construction. Specifications of materials will be given upon request.
4. Life expectancy of the switch varies with applications. Contact the factory if life cycle testing is required.
5. Ambient temperature changes can affect switch set points, since specific gravities of liquids vary with temperature. Consult factory for assistance.
6. Level switches have been designed to be shock and vibration resistant. For maximum life, both shock and vibration should be minimized. Consult factory for assistance.
7. Excessive contaminants in fluid may inhibit float operation, and occasional wipe down may be necessary.
8. Level switches must not be field repaired
9. Physical damage to product may render product unserviceable.
10. Installation in a vessel made from magnetic materials may affect operation.

Precauciones

1. Los límites de presión, temperatura y electricidad mostrados para los interruptores de nivel especificados no deben ser excedidos.
2. Las presiones y temperaturas deben tomar en consideración posibles fluctuaciones en la temperatura y la presión del sistema.
3. Los líquidos usados tienen que ser compatibles con los materiales de construcción. Las especificaciones de los materiales se brindarán a pedido.
4. La vida útil del interruptor varía según la aplicación. Comuníquese con la fábrica si se requieren pruebas cíclicas de la vida útil.
5. Los cambios en la temperatura ambiente pueden afectar los puntos fijos del interruptor, dado a que el peso específico de los líquidos varía con la temperatura. Consulte con la fábrica si requiere asistencia.
6. Los interruptores de nivel han sido diseñados para ser resistentes a golpes y vibraciones. Para una máxima vida útil, se debe minimizar la cantidad de golpes y vibraciones. Consulte con la fábrica si requiere asistencia.
7. El exceso de contaminantes en el líquido puede inhibir la operación del flotador, y puede ser necesaria una limpieza ocasional.
8. Los interruptores de nivel no deben ser reparados en el lugar de la instalación.
9. Los daños físicos al producto pueden dejarlo inservible.
10. La instalación en un recipiente hecho de materiales magnéticos puede afectar la operación.

Installation

Operation is stated in the tank dry position.

Vertical Switches:

NC Operation: SS Floats: Witness mark (round circle) down. Plastic Floats: Magnets up.

NO Operation: SS Floats: Witness mark (round circle) up. Plastic Floats: Magnets down.

**Note M3326, M3326-NO are not reversible. The M3326 is Normally Closed. The M3326-NO is Normally Open*

Side Mounted Switches:

NC Operation: Arrow mounted vertically pointed down.

NO Operation: Arrow mounted vertically pointed up.

Instalación

El funcionamiento se define en la posición de tanque seco.

Interruptores Verticales:

Normalmente Cerrado: Flotadores de acero inoxidable (SS): Marca testigo (círculo) hacia abajo. Flotadores de plástico Imanes hacia arriba.

Normalmente Abierto: Flotadores de acero inoxidable (SS): Marca testigo (círculo) hacia arriba. Flotadores de plástico: Imanes hacia abajo.

**Nota: Los modelos M3326 y M3326-NO no son reversibles. El M3326 es [illegible] cerrado. El M3326-NO es normalmente abierto*

Interruptores de Montaje Lateral:

Normalmente Cerrado. Flecha montada vertical señalando hacia abajo.

Normalmente Flecha montada vertical señalando hacia

Typical Current and Voltage Ratings

** Note: The ratings at right are for resistive loads only. For inductive loads, maximum switch life will be achieved if appropriate arc suppression is used.*

** Nota. Las clasificaciones de la derecha son sólo para cargas resistivas. Para cargas inductivas, se logrará una vida útil máxima si se usa la supresión de arco apropiada*

Watts	Voltage	Current Amps
15	240 AC	-
	120 AC	0.12
	100 DC	0.10
	24 DC	0.30
30	240 AC	0.14
	120 AC	0.28
	120 DC	0.07
	24 DC	0.28
60	240 AC	0.40
	120 AC	0.50
	120 DC	0.20
	24 DC	0.50
100	240 AC	0.40
	120 AC	1.00
	120 DC	0.40
	24 DC	1.00

Approvals
(See details for part number specific approvals on reverse)

1. UL
2. UL Haz Loc
3. Ulc
5. CSA Haz Loc
6. CE
7. NSF

Aprobaciones
(Vea detalles de aprobaciones para numero de partes especificas al reverso)

Wiring

Madison Part Number: _____

Número de Parte Madison : _____

Switch Location (from bottom of fitting)	Colors	Watt Rating	Switch Type	Dry Position

Liquid Level Switch Details by Part Number

Part Number	Materials (stem, float)	Max. Temp.	Mounting	Max. Pressure (PSIG)	Elec. Rating (Watts)	Approvals (see reverse for key)	Notes (see below for key)
Standard Full Size Vertical							
M4182-AL	Alum, Polypro.	105°C	1/2 NPT	150	70		
M4182-SS	316 SS	200°C	1/2 NPT	300	70		
M5600	316 SS	200°C	1/4 NPT	200	60	2, 5, 6, 7	
M5400	Brass, 316 SS	200°C	1/4 NPT	200	60	1, 4, 6	
M5917	316 SS	250°C	1/4 NPT	200	60	1, 4, 6, 7	*
M8800	Polypro	105°C	1/4 NPT	100	60	1, 4, 6, 7	*
M8600	316 SS, Polypro	105°C	1/4 NPT	100	60	1, 4, 6, 7	
M8400	Brass, Polypro	105°C	1/4 NPT	100	60	1, 4, 6	
M7800	PBT, Buna-N	105°C	1/4 NPT	150	60	1, 4, 6	1
M4300	Brass, Buna-N	105°C	1/4 NPT	150	60	1, 4, 6	
M4600	316 SS, Buna-N	105°C	1/4 NPT	150	60	1, 4, 6	
M9800	Kynar	105°C	1/4 NPT	15	60	1, 6, 7	
M5600-PR	316 SS	200°C	1/4 NPT	500	100	6, 7	
M8060-PR	CPVC, Polypro.	105°C	1/4 NPT	100	100	6	
M8800-PR	Polypro.	105°C	1/4 NPT	100	100	6, 7	
M7800-PR	PBT, Buna-N	105°C	1/4 NPT	150	100	6	1
MSB5600	316 SS	110°C	Bracket	85	60	8	
MSB7800	PBT, Buna-N	105°C	Bracket	150	60		1
MSB8800	Polypro	105°C	Bracket	100	60		
Standard Miniature Vertical							
M5000	316 SS	200°C	1/8 NPT	300	30	1, 4, 6, 7	
M5040	Brass, 316 SS	200°C	1/8 NPT	300	30	1, 4, 6	
M8000	Polypro	105°C	1/8 NPT	100	30	1, 4, 6, 7	*, **
M8020	316 SS, Polypro.	105°C	1/8 NPT	100	30	1, 4, 6, 7	**
M8040	Brass, Polypro.	105°C	1/8 NPT	100	30	1, 4, 6	**
M7000	PBT, Buna-N	105°C	1/8 NPT	150	30	1, 4, 6	*, **, 1
M4500	Brass, Buna-N	105°C	1/8 NPT	150	30	1, 4, 6	**
M4400	316 SS, Buna-N	105°C	1/8 NPT	150	30	1, 4, 6	**
M4008	Polypro., Buna-N	105°C	1/8 NPT	150	30	1, 4, 6	**
M9000	Kynar	105°C	1/8 NPT	15	30	1, 6, 7	*, **
M3326	Polypro.	105°C	3/8-16 BH	50	15	1, 6	2
M3326-NO	Polypro.	105°C	3/8-16 BH	50	15	1, 6	2
Standard Horizontal							
M3827-XX	316 SS	200°C	NPT or Bulkhead	200	30		
M4249	316 SS	250°C	5/8-11 BH	300	60	6	
M5900	316 SS	200°C	1 x 1/2 NPT	300	30	2, 4, 6, 7	
M5910	316 SS	200°C	1/2 x 1/4 NPT	300	30	2, 4, 6, 7	
M5920	316 SS	200°C	1/2 x 1/2 NPT	300	30	2, 4, 6, 7	
M5970	316SS	200°C	1/2 BH	100	30	1, 6	
M7790	PBT	150°C	5/8-11 BH	100	30	1, 4, 6	1
M7740	PBT	150°C	3/4-16 x 7/8-14	100	30	1, 4, 6	1
M7700	PBT	150°C	1/2 x 1/2 NPT	100	30	1, 4, 6	1
M7725	PBT	150°C	1/2 NPT	100	30	1, 4, 6	1
M7750	PBT	150°C	1/2 NPT	100	30	1, 4, 6	1
M8700	Polypro.	105°C	1/2 x 1/2 NPT	100	30	1, 4, 6, 7	*
M8710	Polypro.	105°C	1/2 x 1/4 NPT	100	30		
M8725	Polypro.	105°C	1/2 NPT	100	30	1, 4, 6, 7	
M8740	Polypro.	105°C	3/4-16 x 7/8-14	100	30	1, 4, 6, 7	
M8750	Polypro.	105°C	1/2 NPT	100	30	1, 4, 6, 7	
M8790	Polypro.	105°C	5/8-11 BH	100	30	1, 4, 6, 7	
M5010	316 SS	200°C	3/8-24 BH	300	30	1, 4, 6, 7	*
M4010	Brass, Buna-N	105°C	3/8-24 BH	100	30		*
M9700	Kynar	105°C	1/2 x 1/2 NPT	100	30	1, 4, 6, 7	*
M9750	Kynar	105°C	1/2 NPT	100	30	1, 4, 6, 7	
M9740	Kynar	105°C	3/4-16 x 7/8-14	100	30	1, 4, 6, 7	
Configured (Multi-Level)							
M5602-XXXX	316 SS	200°C	X	200	60	2, 5, 6, 7	
M5402-XXXX	Brass, 316 SS	200°C	X	200	60	1, 4, 6	
M4302-XXXX	Brass, Buna-N	105°C	X	150	60	1, 4, 6	
M4602-XXXX	316 SS, Buna-N	105°C	X	150	60	1, 4, 6	
M8802-XXXX	Polypro.	105°C	X	100	60	1, 4, 6, 7	
M8602-XXXX	316 SS, Polypro.	105°C	X	100	60	1, 4, 6, 7	
M8402-XXXX	Brass, Polypro.	105°C	X	100	60	1, 4, 6	
M9802-XXXX	Kynar	105°C	X	15	60	1, 6	
M5002-XXXX	316 SS	200°C	X	300	30	1, 4, 6, 7	
M5042-XXXX	Brass, 316 SS	200°C	X	300	30	1, 4, 6	
M4502-XXXX	Brass, Buna-N	105°C	X	150	30	1, 4, 6	
M4402-XXXX	316 SS, Buna-N	105°C	X	150	30	1, 4, 6	
M8002-XXXX	316 SS, Polypro.	105°C	X	100	30	1, 4, 6, 7	
M8042-XXXX	Brass, Polypro.	105°C	X	100	30	1, 4, 6	
M8080-XXXX	Polypro.	105°C	X	100	30	1, 4, 6, 7	
M5605	316 SS	200°C	1/2 NPT	200	60		3
M8085	Polypro.	105°C	1/4 NPT	100	30		3

Detalles de Interruptor de Nivel Líquido por Número de Parte

Número de Parte	Materiales (vástago, flotador)	Temp. Máx.	Montaje	Presión Máx. (PSIG)	Clasificación Eléct. (Vatios)	Aprobaciones (ver clave en el reverso)	Notas (ver clave está abajo)
Vertical Estándar Tamaño Total							
M4182-AL	Alum, Polipro	105°C	1/2 NPT	150	70		
M4182-SS	316 SS	200°C	1/2 NPT	300	70		
M5600	316 SS	200°C	1/4 NPT	200	60	2, 5, 6, 7	
M5400	Bronce, 316 SS	200°C	1/4 NPT	200	60	1, 4, 6	
M5917	316 SS	250°C	1/4 NPT	200	60	1, 4, 6, 7	*
M8800	Polipro.	105°C	1/4 NPT	100	60	1, 4, 6, 7	*
M8600	316 SS, Polipro.	105°C	1/4 NPT	100	60	1, 4, 6, 7	
M8400	Bronce, Polipro.	105°C	1/4 NPT	100	60	1, 4, 6	
M7800	PBT, Buna-N	105°C	1/4 NPT	150	60	1, 4, 6	1
M4300	Bronce, Buna-N	105°C	1/4 NPT	150	60	1, 4, 6	
M4600	316 SS, Buna-N	105°C	1/4 NPT	150	60	1, 4, 6	
M9800	Kynar	105°C	1/4 NPT	15	60	1, 6, 7	
M5600-PR	316 SS	200°C	1/4 NPT	500	100	6, 7	
M8060-PR	CPVC, Polipro.	105°C	1/4 NPT	100	100	6	
M8800-PR	Polipro.	105°C	1/4 NPT	100	100	6, 7	
M7800-PR	PBT, Buna-N	105°C	1/4 NPT	150	100	6	1
MSB5600	316 SS	110°C	Bracket	85	60	8	
MSB7800	PBT, Buna-N	105°C	Bracket	150	60		1
MSB8800	Polipro.	105°C	Bracket	100	60		
Vertical Estándar Miniatura							
M5000	316 SS	200°C	1/8 NPT	300	30	1, 4, 6, 7	
M5040	Bronce, 316 SS	200°C	1/8 NPT	300	30	1, 4, 6	
M8000	Polipro.	105°C	1/8 NPT	100	30	1, 4, 6, 7	*, **
M8020	316 SS, Polipro.	105°C	1/8 NPT	100	30	1, 4, 6, 7	**
M8040	Bronce, Polipro.	105°C	1/8 NPT	100	30	1, 4, 6	**
M7000	PBT, Buna-N	105°C	1/8 NPT	150	30	1, 4, 6	*, **, 1
M4500	Bronce, Buna-N	105°C	1/8 NPT	150	30	1, 4, 6	**
M4400	316 SS, Buna-N	105°C	1/8 NPT	150	30	1, 4, 6	**
M4008	Polipro., Buna-N	105°C	1/8 NPT	150	30	1, 4, 6	**
M9000	Kynar	105°C	1/8 NPT	15	30	1, 6, 7	*, **
M3326	Polipro.	105°C	3/8-16 BH	50	15	1, 6	2
M3326-NO	Polipro.	105°C	3/8-16 BH	50	15	1, 6	2
Horizontal Estándar							
M3827-XX	316 SS	200°C	NPT or Bulkhead	200	30		
M4249	316 SS	250°C	5/8-11 BH	300	60	6	
M5900	316 SS	200°C	1 x 1/2 NPT	300	30	2, 4, 6, 7	
M5910	316 SS	200°C	1/2 x 1/4 NPT	300	30	2, 4, 6, 7	
M5920	316 SS	200°C	1/2 x 1/2 NPT	300	30	2, 4, 6, 7	
M5970	316 SS	200°C	1/2" BH	100	30	1, 6	
M7790	PBT	150°C	5/8-11 BH	100	30	1, 4, 6	1
M7740	PBT	150°C	3/4-16 x 7/8-14	100	30	1, 4, 6	1
M7700	PBT	150°C	1/2 x 1/2 NPT	100	30	1, 4, 6	1
M7725	PBT	150°C	1/2 NPT	100	30	1, 4, 6	1
M7750	PBT	150°C	1/2 NPT	100	30	1, 4, 6	1
M8700	Polipro.	105°C	1/2 x 1/2 NPT	100	30	1, 4, 6, 7	*
M8710	Polipro.	105°C	1/2 x 1/4 NPT	100	30		
M8725	Polipro.	105°C	1/2 NPT	100	30	1, 4, 6, 7	
M8740	Polipro.	105°C	3/4-16 x 7/8-14	100	30	1, 4, 6, 7	
M8750	Polipro.	105°C	1/2 NPT	100	30	1, 4, 6, 7	
M8790	Polipro.	105°C	5/8-11 BH	100	30	1, 4, 6, 7	
M5010	316 SS	200°C	3/8-24 BH	300	30	1, 4, 6, 7	*
M4010	Bronce, Buna-N	105°C	3/8-24 BH	100	30		*
M9700	Kynar	105°C	1/2 x 1/2 NPT	100	30	1, 4, 6, 7	*
M9750	Kynar	105°C	1/2 NPT	100	30	1, 4, 6, 7	
M9740	Kynar	105°C	3/4-16 x 7/8-14	100	30	1, 4, 6, 7	
Configurado (Multinivel)							
M5602-XXXX	316 SS	200°C	X	200	60	2, 5, 6, 7	
M5402-XXXX	Bronce, 316 SS	200°C	X	200	60	1, 4, 6	
M4302-XXXX	Bronce, Buna-N	105°C	X	150	60	1, 4, 6	
M4602-XXXX	316 SS, Buna-N	105°C	X	150	60	1, 4, 6	
M8802-XXXX	Polipro.	105°C	X	100	60	1, 4, 6, 7	
M8602-XXXX	316 SS, Polipro.	105°C	X	100	60	1, 4, 6, 7	
M8402-XXXX	Bronce, Polipro.	105°C	X	100	60	1, 4, 6	
M9802-XXXX	Kynar	105°C	X	15	60	1, 6	
M5002-XXXX	316 SS	200°C	X	300	30	1, 4, 6, 7	
M5042-XXXX	Bronce, 316 SS	200°C	X	300	30	1, 4, 6	
M4502-XXXX	Bronce, Buna-N	105°C	X	150	30	1, 4, 6	
M4402-XXXX	316 SS, Buna-N	105°C	X	150	30	1, 4, 6	
M8002-XXXX	316 SS, Polipro.	105°C	X	100	30	1, 4, 6, 7	
M8042-XXXX	Bronce, Polipro.	105°C	X	100	30	1, 4, 6	
M8080-XXXX	Polipro	105°C	X	100	30	1, 4, 6, 7	
M5605	316 SS	200°C	1/2 NPT	200	60		3
M8085	Polipro.	105°C	1/4 NPT	100	30		3

Notes:
* Also applies to models with slosh shields
** Also applies to Ultra Low Level (ULL) float models
1 PBT is not for use in water above 65°C (150°F).
2. The M3326 is Normally Closed. The M3326-NO is Normally Open.
3

Model No.	Switch Location (from bottom of fitting)	Colors	Watt Rating	Switch Type	Dry Position
M5605	1.25"	Red	60	SPST	NC
	5.75"	Black	60	SPST	NC
M8085	0.75"	Red	60	SPST	NC
	5.75"	Black	60	SPST	NC

Temperature Switches

Madison Model No.	Materials (stem,float)	Mounting	Max Pressure (PSIG)	Electrical Rating (Watts)	Temp. Type
MT3920-1	Polypro.	3/8-16 BH	50	15	J
MT3920-2	Polypro.	3/8-16 BH	50	15	K
MT3920-3	Polypro.	3/8-16 BH	50	15	RTD
MT5600	316 SS	1/4 NPT	200	60	J
MT5600-1	316 SS	1/4 NPT	200	60	K
MT5600-2	316 SS	1/4 NPT	200	60	RTD
MT5600-3	316 SS	1/4 NPT	200	60	J
MT5600-4	316 SS	1/4 NPT	200	60	K
MT5600-5	316 SS	1/4 NPT	200	60	Bimetal Switch
MT8000	Polypro.	1/8 NPT	100	30	J
MT8000-1	Polypro.	1/8 NPT	100	30	K
MT8000-2	Polypro	1/8 NPT	100	30	RTD
MT8000-4	Polypro	1/8 NPT	100	30	Bimetal Switch

® FPZ S.p.A.
Via F.lli Cervi 16
20863 Concorezzo - (MB) - ITALIA
Tel. +39 039 69 09 811
Fax +39 039 60 41 296
www.fpz.com

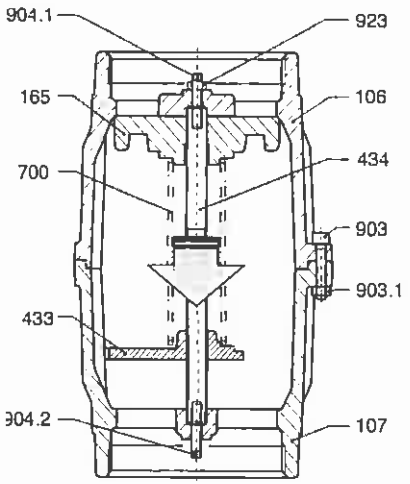
I – GB – F – D – E SN 1701-7

VALVOLA DI SICUREZZA VRL
SAFETY VALVE VRL
SOUPAPE DE SECURITE VRL
SICHERHEITSVENTIL VRL
VALVULA DE SEGURIDAD VRL

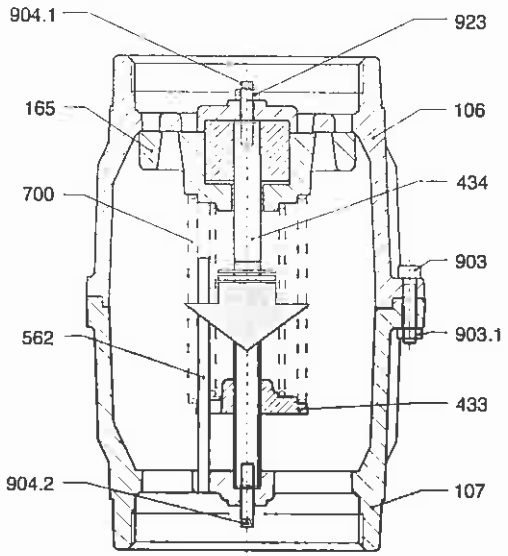
ISTRUZIONI D'USO
USE INSTRUCTIONS
INSTRUCTIONS D'UTILISATION
ANWENDUNGSHINWEISE
INSTRUCCIONES PARA EL USO

ATTENZIONE! LA VALVOLA E' FORNITA NON TARATA
CAUTION! THE VALVE IS SUPPLIED NOT CALIBRATED
ATTENTION ! LA SOUPAPE EST FOURNIE NON TAREE
ACHTUNG ! DAS VENTIL IST WERKSEITIG NICHT GEEICHT
ATENCION ! LA VALVULA NO ESTA GRADUADA

LEGGERE ATTENTAMENTE TUTTE LE ISTRUZIONI E CONSERVARLE
PLEASE READ CAREFULLY ALL INSTRUCTIONS AND KEEP THEM FOR FUTURE REFERENCE
LIRE ATTENTIVEMENT TOUTES LES INSTRUCTIONS ET LES CONSERVER
ALLE ANLEITUNGEN SIND SORGFÄLTIG ZU LESEN UND AUFZUBEWAHREN!
LEER ATENTAMENTE LAS INSTRUCCIONES Y CONSERVARLAS



VRL6
Fig. 1a



VRL8 - VRL9
Fig 1b

ITEM	Denominazione - *Description* - Désignation - *Description* - Descripciòn
06	Corpo - *Housing* - Corps supérieur - *Gehäuse* - Cuerpo
07	Coperchio - *Cover* - Couvercle - *Abdeckung* - Cubierta
65	Otturatore - *Shutter* - Obturateur - *Verschluss* - Obturador
33	Piattello guida molla - *Spring guide disc* - Guide ressort - *Federführungsscheibe* - Disco guìa muelle
34	Asta - *Shutter guide* - Tige - *Schließführung* - Vastago
62	Spina cilindrica - Dowel pin -Goupille cylindrique - *Führungsstift* - Pin
00	Molla - *Spring* - Ressort - *Feder* - Muelle
03	Vite - *Screw* - Vis - *Schraube* - Tornillo
03.1	Dado - *Nut* - Ecrou - *Schraubenmutter* - Tuerca
04.1	Grano superiore - *Upper grub screw* - Tige de réglage supérieure – *Obere Einstellschraube* - Espàrrago superior
04.2	Grano inferiore - *Lower grub screw* - Tige de réglage inférieure - *Untere Einstellschraube* - Espàrrago inferior
23	Dado di fermo - *Nut* - Ecrou de blocage -*Schraubenmutter* - Contratuerca

I CONDIZIONI D'UTILIZZO

- LE VALVOLE VRL SONO ADATTE AL CONVOGLIAMENTO DI ARIA E GAS NON ESPLOSIVI, I INFIAMMABILI, NON AGGRESSIVI, IN ATMOSFERA NON ESPLOSIVA. LA TEMPERATURA DEL FLU CONVOGLIATO È AMMESSA NEL CAMPO DI -15 A +160 °C.
- VALVOLE PROGETTATE E FABBRICATE PER LA LIMITAZIONE NEL CAMPO DELLE BASSE PRESSI / DEPRESSIONI, PER UN UTILIZZO SPECIFICO SU SOFFIANTI, ASPIRATORI E COMPRESSORI A BA PRESSIONI;
- NON SOPPORTANO PRESSIONI INTERNE ELEVATE, COMUNQUE NON SUPERIORI A 2.8 bar A;
- SONO SOGGETTE A PICCOLE PERDITE DEL FLUIDO CONVOGLIATO;
- CORPI SOLIDI ANCHE DI PICCOLE DIMENSIONI E SPORCIZIA POSSONO PROVOCARE GRAVI DA VANNO QUINDI SEPARATI DAL FLUSSO MEDIANTE ADEGUATI FILTRI IN ASPIRAZIONE.

GB *CONDITIONS OF USE*

- *THE VRL VALVES ARE DESIGNED FOR THE HANDLING OF AIR OR NON-EXPLOSIVE, N HAZARDOUS AND NON-FLAMMABLE GASES IN NON-EXPLOSIVE ENVIRONMENTS. THE GAS IN TEMPERATURE MUST BE IN THE RANGE OF -15 TO +160 °C.*
- *RELIEF VALVES ARE DESIGNED AND MANUFACTURED TO LIMIT THE OPERATING PRESSUR LOW PRESSURE/VACUUM APPLICATIONS. THEY ARE FOR USE SPECIFICALLY ON LOW PRESS BLOWERS AND VACUUM PUMPS ONLY;*
- *THE VALVE CANNOT WITHSTAND HIGH INTERNAL PRESSURE, DESIGN MAXIMUM OF 2.8 bar A;*
- *THERE IS SMALL LOSS OF THE AIR/GAS BEING HANDLED;*
- *SOLID PARTICULES, HOWEVER SMALL, INCLUDING DIRT CAN CAUSE SERIOUS DAMA THEREFORE IT IS ESSENTIAL THAT SUCH SUBSTANCES SHOULD BE REMOVED FROM THE GAS SUITABLE FILTERS UPSTREAM OF THE INLET.*

F CONDITIONS D'UTILISATION

- LES SOUPAPES VRL SONT ADAPTÉS À L'ACHEMINEMENT D'AIR ET DE GAZ NON EXPLOS ININFLAMMABLES, NON AGRESSIFS, DANS UNE ATMOSPHÈRE NON EXPLOSIVE. LA TEMPÉRAT DU FLUIDE ACHEMINÉ EST ADMISE DANS UN ÉVENTAIL DE -15 À +160 °C.
- CES SOUPAPES ONT ETÉ DÉVELOPPÉES ET CONSTRUITES AFIN DE LIMITER LES VALE MAXIMALES VIDE/PRESSION ET LEUR UTILISATION EST SPÉCIFIQUEMENT RESERVÉE ASPIRATEURS ET COMPRESSEURS BASSES PRESSION;
- NE SUPPORTENT PAS DES PRESSIONS INTERNES ÉLEVÉES, C'EST-À-DIRE DES PRESSI SUPÉRIEURES À 2.8 bar A;
- SONT SUJETTES À DE PETITES PERTES DU FLUIDE ACHEMINÉ;
- DES CORPS SOLIDES MÊME DE PETITES DIMENSIONS ET LÉGÈREMENT SALES PEUV PROVOQUER DE GRAVES DOMMAGES, ILS SONT PAR CONSÉQUENT SÉPARÉS DU FLUX PAR FILTRES ADÉQUANTS EN ASPIRATION.

D *EINSATZBEDINGUNGEN*

- *DIE VENTILE DER SERIE VRL SIND FÜR DEN DAUERBETRIEB IN NICHT-EXPLOSIVER UMGEB ZUM ANSAUGEN UND VERDICHTEN VON LUFT ODER NICHT-EXPLOSIVEN, NICHT-BRENNBAREN NICHT-AGGRESSIVEN GASEN GEEIGNET. DIE ZULÄSSIGE ANSAUGTEMPERATUREN LI ZWISCHEN -15 BIS +160 °C.*
- *DIE SPEZIELL FÜR DEN NIEDERDRUCK- BZW. NIEDERVAKUUMBEREICH ENTWICKELTEN VEN SIND FÜR DIE SPEZIFISCHE ANWENDUNG IN VAKUUMPUMPEN UND KOMPRESSOREN GEEIGNET*
- *DIE GEHÄUSE WIDERSTEHEN KEINEN HOHEN INNENDRÜCKEN. UNTER KEINEN UMSTÄNDEN D DER MAX. BETRIEBSDRUCK VON 2.8 bar A ÜBERSCHRITTEN WERDEN;*
- *DIE VENTILE SIND NICHT VOLLSTÄNDIG GASDICHT;*
- *FREMDKÖRPER, AUCH GERINGER GRÖßE, UND VERUNREINIGUNGER KÖNNEN SCHWERE SCHÄ VERURSACHEN. SIE MÜSSEN DAHER AUS DEM FÖRDERMEDIUM MIT GEEIGNETEN ANSAUGFILT ENTFERNT WERDEN.*

E CONDICONES DE USO

- LAS VALVULAS VRL SON ADAPTAS PARA EL MOVIMIENO DE AIRE O GASES NO EXPLOSIVOS PELIGROSOS Y NO INFLAMABLES Y PARA SERVICIO EN AMBIENTES NO EXPLOSIVOS. TEMPERATURA DE ENTRADA DEL GAS DEBE ESTAR ENTRE LOS –15 Y +160 °C.
- VALVULAS PROYECTADAS Y FABRICADAS PARA LA LIMITACION EN EL SECTOR DE LAS BA PRESIONES / VACIOS, PARA UN UTILIZO SOBRE ASPIRADORES, COMPRESORES A BA PRESIONES.
- LA VALVULA NO PUEDE CONTENER PRESIONES INTERNAS ALTAS, NO MAYORES QUE 2.8 bar A;
- HAY UNA PECHEÑA PERDIDA DE FLUIDO MANEJADO;
- LAS PARTICULAS SOLIDAS, AUNQUE PEQUEÑAS, INCLUIDO EL POLVO, PUEDEN CAUSAR SEI DAÑOS. POR LO TANTO ES ESENCIAL QUE DICHAS SUSTANCIAS SEAN ELIMINADAS DEL MEDIANTE FILTROS APROPIADOS ANTES DE LA ENTRADA.

DIAGRAMMA DI SELEZIONE - *SELECTION DIAGRAM*
SCHÉMA DE SÉLECTION – AUSWAHLDIAGRAMM
DIAGRAMA DE SELECCION

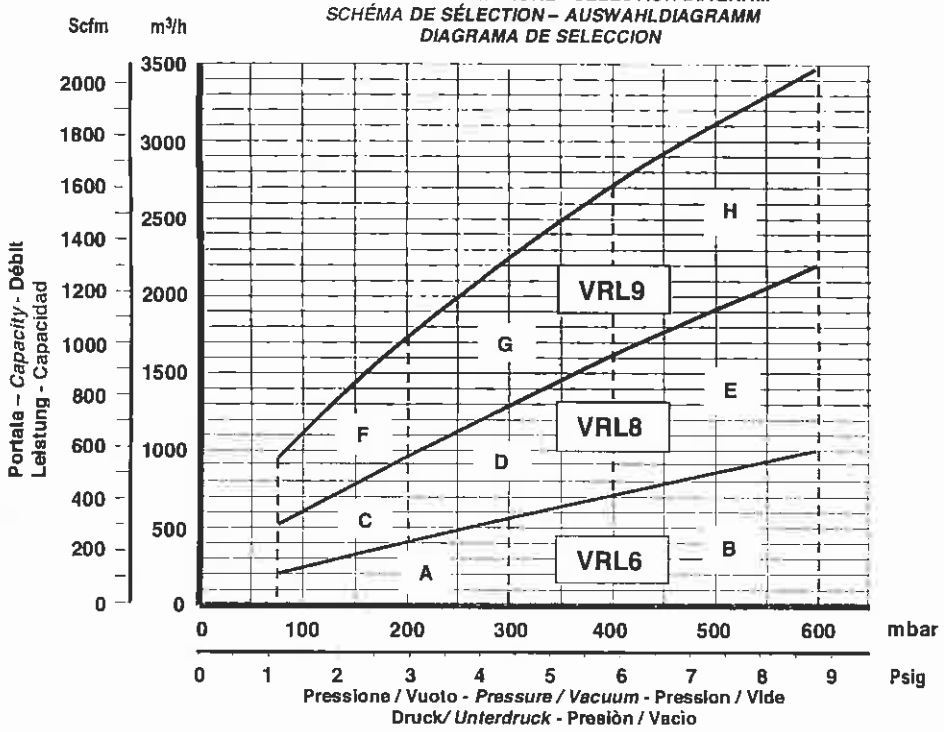


TABELLA DI SELEZIONE MOLLA - *SPRING SELECTION CHART* - TABLEAU DE SÉLECTION RESSORT
***UEBERSICHTSTABELLE FEDERN* - TABLA DE SELECCION MUELLE**

RANGE	MOLLA *SPRING* RESSORT *FEDER* MUELLE N°	Pressione / Vuoto *Pressure / Vacuum* Pression / Vide *Druck / Underdruck* Presiòn / Vacio MIN [mbar]	[psig]	Pressione / Vuoto *Pressure / Vacuum* Pression / Vide *Druck / Underdruck* Presiòn / Vacio MAX [mbar]	[psig]	Colore di identificazione *Colour of identification* Couleur d' identification *Farbidentifizierung* Color de identificaciòn
VRL6						
A	I	75	1.102	300	4.408	-
B	II	300	4.408	600	8,820	VERDE - *GREEN* - VERT - *GRÜN* - VERDE
VRL8						
C	I	75	1.102	200	2.940	-
D	II	200	2.940	400	5.880	VERDE – *GREEN* VERT - *GRÜN* - VERDE
E	I + II	400	5.860	600	8,820	-
VRL9						
F	I	75	1.102	200	2.940	VERDE - *GREEN* - VERT - *GRÜN* - VERDE
G	II	200	2.940	400	5.880	-
H	I + II	400	5.880	600	8,820	-

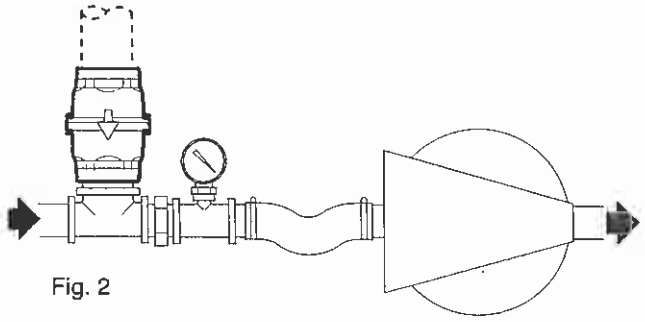


Fig. 2

SCHEMA DI INSTALLAZIONE – VALVOLA LIMITATRICE DI VUOTO
INSTALLATION SKETCH – VACUUM RELIEF VALVE
INSTALLATIONSSCHEMA – VAKUUMVENTIL
SCHÉMA DE INSTALLATION – SOUPAPE CASSE VIDE
ESQUEMA DE INSTALATIÒN – VALVULA LIMITADORA DE VACIO

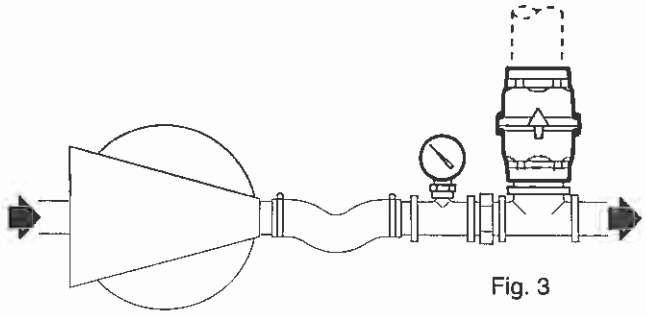


Fig. 3

SCHEMA DI INSTALLAZIONE – VALVOLA LIMITATRICE DI PRESSIONE
INSTALLATION SKETCH – PRESSURE RELIEF VALVE
INSTALLATIONSSCHEMA – DRUCKVENTIL
SCHÉMA DE INSTALLATION – SOUPAPE DE SÉCURITÉ
ESQUEMA DE INSTALATIÒN – VALVULA LIMITADORA DE PRESION

1. SCELTA DELLA MOLLA

a valvola è fornita con 2 differenti molle, ciascuna delle quali adatta a lavorare in uno specifico campo di uoto / pressione, nel caso delle valvole VRL8 e VRL9 è previsto anche l'uso delle molle combinate.
Riferendo al DIAGRAMMA DI SELEZIONE, verificare che la valvola sia della dimensione adeguata e, in unzione della zona nella quale si posiziona il punto di funzionamento (zona A, B,...H), scegliere la molla i combinazione di molle come indicato nella TABELLA DI SELEZIONE MOLLA.
a valvola è fornita con la molla n° 1 installata; se la molla fosse da sostituire o qualora fosse necessario iggiungere una supplementare (VRL8 / VRL9) procedere come da punto 2, altrimenti tarare la valvola ome da punto 3.

2. SOSTITUZIONE DELLA MOLLA (O AGGIUNTA PER VRL8 / VRL9)

Rimuovere i due tappi di protezione alle estremità della valvola.
Assicurarsi che il dado di fermo 923 sia bloccato sul corpo 106.
Rimuovere le viti 903 dai dadi 903.1.
Sfilare il coperchio 107 dal corpo 106.
Svitare il piattello guida molla 433 e sfilarlo completamente dall'asta 434.
Sfilare la molla 700 solo in caso di sostituzione.
Posizionare la molla scelta nell'apposita sede dell'otturatore 165.
Comprimere la/e molla/e ed avvitare per almeno venti giri di filetto il piattello guida 433 sull'asta 434.
Verificare che entrambe le estremità della/e molla/e siano posizionate correttamente nelle sedi guida.
Posizionare il coperchio 107 nel corpo 106 inserendo:
- per VRL6: la guida di scorrimento nell'asola presente nel piattello guida molla 433.
- per VRL8 e VRL9: la spina cilindrica 562 nell'asola presente nel piattello guida molla 433.

Avvitare le viti 903 ai dadi 903.1.

3. TARATURA DELLA VALVOLA

A) Regolazione al valore di vuoto consentito

Rimuovere i due tappi di protezione alle estremità della valvola, se presenti.
Montare la valvola in derivazione sulla condotta di aspirazione e predisporre una presa di pressione il più vicino possibile alla bocca dell'aspiratore (Fig. 2).
Allentare il dado di fermo 923.
Scaricare la/e molla/e della valvola svitando, con la chiave a brugola data in dotazione, il grano superiore 904.1.
Avviare l'aspiratore e chiudere l'aspirazione, a monte della valvola, fino ad ottenere le condizioni più gravose di esercizio (normalmente condotta completamente chiusa).
Avvitare il grano superiore 904.1 fino al raggiungimento del vuoto massimo consentito.
Serrare il dado di fermo 923 mantenendo fermo il grano superiore 904.1.
Aprire la condotta di aspirazione.

Verificare le perdite di carico dovute a condotte e/o filtri installati a monte della valvola.

B) Regolazione al valore di pressione consentita

- Rimuovere i due tappi di protezione alle estremità della valvola, se presenti.
- Svitare il dado di fermo 923 e toglierlo dal grano superiore 904.1.

Avvitare senza serrare il dado di fermo 923 sul grano inferiore 904.2.
Montare la valvola in derivazione sulla condotta di mandata e predisporre una presa di pressione il più vicino possibile alla bocca del compressore (Fig. 3).
Scaricare la/e molla/e della valvola avvitando il grano inferiore 904.2 con la chiave a brugola data in dotazione.
Avviare il compressore e chiudere la mandata, a valle della valvola, fino ad ottenere le condizioni più gravose di esercizio (normalmente condotta completamente chiusa).
Svitare il grano inferiore 904.2 fino al raggiungimento della pressione massima consentita.
Serrare il dado di fermo 923 mantenendo fermo il grano inferiore 904.2.
Aprire la condotta di mandata.

Verificare le perdite di carico dovute a condotte installate a valle della valvola.

1. CHOICE OF SPRING

The valve is supplied with 2 different springs; each spring is to be used within a specific pressure-vac operating range. For the VRL8 and VRL9 there is the possibility to use both springs working in parallel. Referring to the SELECTION DIAGRAM, check that the valve is correctly sized and depending where operating point (area A, B,...H) is located, choose one or two springs according to SPRING SELECT CHART.
The valve is supplied with spring # 1 installed. If spring needs to be replaced or a supplementary spri needed to be added (for VRL8 / VRL9), proceed to point # 2 otherwise, adjust valve as per point #3.

2. INSTRUCTIONS FOR SPRING REPLACEMENT (OR MOUNTING ADITIONAL SPRING FOR VRL8 / VRL9)

- Remove the two plastic caps on valve.
- **Ensure stop-nut 923 is locked on the upper housing 106.**
- Unscrew screw 903 from nut 903.1.
- Remove cover 107 from housing 106.
- Unscrew spring guide disc 433 taking it out from shutter guide 434.
- Remove spring 700 (only in case of replacement).
- Install the appropriate spring into shutter 165.
- Compress spring and screw spring guide disc 433 on shutter guide 434 for at least 20 full th terms.
- Check that both ends of the spring are properly positioned within their seats.
- Install the cover 107 on the housing 106 inserting:
  - for VRL6: the sliding guide on the slot in spring guide disc 433.
  - for VRL8 and VRL9: dowel pin 562 on the slot in spring guide disc 433.
- Tighten screw 903 on nut 903.1.

3. VALVE SETTING

A) Setting-up at allowed vacuum level

- Remove the two plastic caps on valve, if any.
- Position valve on the suction by-pass and connect a vacuum gage as close as possible to exhauster inlet (Fig. 2).
- Unscrew nut 923.
- Relieve spring tension by backing off upper grub screw 904.1 with the fit key.
- Turn on exhauster. Induce highest attainable vacuum by throttling air intake upstream relief v (normally reducing throttle to fully-closed).
- Adjust upper grub screw 904.1 until maximum allowable vacuum level is reached.
- Tighten nut 923 keeping blocked upper grub screw 904.1
- Open suction line.

Double-check vacuum gauge to ensure no additional losses are induced by pipes or fi installed upstream relief valve.

B) Setting-up at allowed pressure level

- Remove the two plastic caps on valve, if any.
- Remove nut 923 from upper grub screw 904.1 and place it on to the lower grub screw 904.2. Do tighten.
- Position valve on the discharge by-pass and connect a pressure gage as close as possible to blower outlet (Fig. 3).
- Relieve spring tension by backing on lower grub screw 904.2 with the fit key.
- Turn on blower. Induce highest attainable pressure by throttling air discharge downstream of the v (normally reducing throttle to fully-closed).
- Unscrew lower grub screw 904.2 until maximum allowable pressure level is reached.
- Tighten nut 923 keeping blocked lower grub screw 904.2.
- Open discharge line.

Double-check pressure gauge to ensure no additional losses are induced by pipes or filters installed downstream the valve

1. CHOIX DU RESSORT

F

a soupape est fournie avec 2 ressorts différents, chacun conçu pour travailler dans une gamme spécifique le vide ou pression ; dans le cas des soupapes VRL 8 et VRL 9, l'utilisation des ressorts en combinaison ·st également prévue.
En se référant au diagramme de sélection, vérifier que la soupape soit de dimension adaptée et en fonction lu point de travail demandé (point A, B...H) choisir le ressort ou la combinaison comme indiqué dans le ABLEAU DE SELECTION RESSORT.
.a soupape est fournie avec le ressort n° 1 monté; si le ressort est à changer ou s'il faut en rajouter un VRL8 / VRL9) , procéder comme indiqué au point 2, sinon tarer la soupape comme indiqué au point 3.

2. REMPLACEMENT DU RESSORT (OU ADJONCTION POUR VRL8 / VRL9)

Retirer les capsules de protection aux extrémités de la soupape.
S'assurer que l'écrou 923 soit bloqué sur le corps supérieur 106.
- Dévisser la vis 903 de l'écrou 903.1.

Dévisser le couvercle 107 du corps 106.
Dévisser le guide ressort 433 et l'enlever complètement de la tige 434.
Enlever le ressort 700 seulement en cas de changement.
Positionner le ressort choisi sur l'embase appropriée de l'obturateur 165.
Comprimer le/les ressort et visser sur au moins 20 tours de filetage le guie ressort 433 sur la tige 434.
Vérifier que chaque extrémité du/des ressort soient positionnées correctement sur l'embase des guides.
Positionner le couvercle 107 dans le corps 106 en insérant :
- pour VRL6 : la rail de guidage dans l'un des trous du guide ressort 433.
- pour VRL8 et VRL9: la goupille cylindrique 562 dans l'un des trous du guide ressort 433.

Visser la vis 903 à l'écrou 903.1.

3. TARAGE DE LA SOUPAPE

A) Réglage à la valeur du vide souhaité

Si présentes, retirer les capsules de protection aux extrémités de la soupape.
Monter la soupape en dérivation sur le conduit d'aspiration et créer une prise de pression le plus prés possible de l'orifice de la soufflante (Fig. 2).
Dèvisser l'écrou 923.
A l'aide de la clé fournie, détendre le ressort de la soupape en dévissant la tige supérieure 904.1.
Mettre la soufflante en route et obstruer l'aspiration en amont de la soupape jusqu'à obtenir les conditions de travail les plus mauvaises (conduit complètement obstrué).
- Visser la tige supérieure 904.1 jusqu'à atteindre le vide maxi souhaité.
- Serrer l'écrou 923 en mintenant la tige supérieure 904.1 bloquée.
- Déboucher le conduit d'aspiration.

Vérifier les pertes de charge dues à des conduits et/ou filtres installés en amont de la soupape.

B) Réglage à la pression souhaité

- Si présentes, retirer les capsules de protection aux extrémités de la soupape.
- Dévisser l'écrou 923 et l'enlever de la tige supérieure 904.1.
- Visser sans serrer l'écrou 923 sur la tige inférieure 904.2.
- Monter la soupape en dérivation sur le conduit de refoulement et créer une prise de pression le plus près possible de l'orifice de la soufflante (Fig. 3).
- A l'aide de la clé fournie, détendre le ressort de la soupape en vissant la tige inférieure 904.2.
- Mettre la soufflante en route et obstruer le refoulement, en aval de la soupape, jusqu'à obtenir les conditions de travail les plus mauvaises (conduit complètement obstrué).
- Dévisser la tige inférieure 904.2 jusqu'à atteindre la pression maximale souhaitée.
- Serrer l'écrou 923 en mintenant la tige inférieure 904.2 bloquée.
- Déboucher le conduit de refoulement.

Vérifier les pertes de charge dues à des conduits installés en aval de la soupape.

1. WAHL DER FEDER

D

Das Ventil wird mit zwei unterschiedlichen Federn geliefert. Jede Feder ist auf einen speziellen Druc Vakuum -Leistungsbereich ausgerichtet. Bei den Ventilen VRL8 und VRL9 besteht die Möglichkeit, be Federn parallel einzusetzen.
Überzeugen Sie sich anhand des Auswahldiagramms, dass das Ventil die richtige Größe hat und wählen abhängig vom Arbeitspunkt (A, B, ... H) eine der beiden Federn anhand der Übersichtstabelle Federn.
Das Ventil wird standardmäßig mit Feder Nr. 1 installiert geliefert. Wenn die Feder ausgewechselt oder e zusätzliche Feder montiert werden muß (bei VRL8 und VRL9), gehen Sie bitte entsprechend Punkt 2 · Anderenfalls stellen Sie das Ventil gemäß der Beschreibung unter Punkt 3 ein.

2. AUSTAUSCH DER FEDER

- Entfernen Sie die zwei Plastikkappen auf dem Ventil (falls vorhanden).
- **Versichern Sie sich, dass die Schraubenmutter 923 fest am oberen Gehäuse 106 verschraubt i**
- Lösen Sie die Schraube 903 aus der Mutter 903.1.
- Nehmen Sie die Abdeckung 107 vom Gehäuse 106.
- Schrauben Sie die Federführungsscheibe 433 ab und nehmen Sie sie von der Schließführung 434.
- Entnehmen Sie die Feder 700 (nur bei Auslausch).
- Setzen Sie die gewünschte Feder in den Verschluss 165 ein.
- Drücken Sie die Feder und die Federführungsscheibe 433 auf der Schließführung 434 durch wenigst 20 Schraubdrehungen zusammen.
- Prüfen Sie, ob beide Federenden genau in den Anschlüssen sitzen.
- Setzen Sie die Abdeckung 107 auf das Gehäuse 106 führen Sie:
  - für VRL6: den Gleitführung in den Schlitz der Federführungsscheibe 433 ein.
  - für VRL8 und VRL9: den Führungsstift 562 in den Schlitz der Federführungsscheibe 433 ein.
- Drehen Sie die Schraube 903 in der Mutter 903.1 fest.

3. VENTILEINSTELLUNG

A) Einstellung des zugelassenen und gewünschten Unterdruckwertes

- Entfernen Sie die beiden Plastikkappen auf dem Ventil (falls vorhanden).
- Befestigen Sie das Ventil an der Druckumleitung und schliessen Sie einen Druckmesser so dicht möglich am Gebläseeingang (Fig. 2) an.
- Lösen Sie die Schraube 923.
- Reduzieren Sie den Federdruck indem Sie die obere Einstellschraube 904.1 mit dem Einstellschlü lösen.
- Stellen Sie das Gebläse an und erzeugen Sie größtmögliches Vakkum durch Drosselung der Z (normalerweise Drosselung bis zur vollen Schließung).
- Stellen Sie die obere Einstellschraube 904.1 so ein, bis der maximal zulässige Unterdruch erreicht ist
- Schrauben Sie die Mutter 923 fest während Sie die obere Einstellschraube 904.1 festhalten.
- Öffnen Sie den lufttansaugkanal.

*Überprüfen **Sie die Druckwerte** sorgfältig, **um sicherzustellen, dass keine Unterdruckverluste** **dem** Ventil **durch Leitungen oder** Filter **entstehen.***

B) Einstellung des zugelassenen und gewünschten Druckwertes

- Entfernen Sie die beiden Plastikkappen auf dem Ventil (falls vorhanden).
- Drehen Sie die Mutter 923 von der oberen Einstellschraube 904.1 und drehen Sie sie auf die un Einstellschraube 904.2. Nicht fest anziehen.
- Befestigen Sie das Ventil an der Auslassleitung und schliessen Sie es so dicht wie möglich Gebläseausgang (Fig. 3) an.
- Reduzieren Sie den Federdruck indem Sie die untere Einstellschraube 904.2 mit dem Einstellschlü lösen.
- Stellen Sie das Gebläse an und erzeugen Sie größtmögliches Druck durch Drosselung der Al (normalerweise Drosselung bis zur vollen Schließung).
- Stellen Sie die unter Einstellschraube 904.2 so ein, bis der maximal zulässige Druch erreicht ist.
- Schrauben Sie die Mutter 923 fest während Sie die untere Einstellschraube 904.2 festhalten.
- Öffnen Sie den lufttansaugkanal.

***Überprüfen Sie die Druckwerte sorgfältig, um sicherzustellen, dass keine Druckverluste hinter d** Ventil **durch Leitungen oder Filter** entstehen.*

1. SELECCION DEL MUELLE

La válvula es suministrada con 2 muelles diferentes. Cada uno de ellos adecuado a un rango especifico de trabajo bien en presion bien en vacio, en el caso de las válvulas VRL8 / VRL9 se podrán usar los muelles combinados.
Observando el diagrama de selección, hay que controlar che la válvula sea la adecuada y en función de la zona de los valores operativos de presion/vacio (zona A,B,...H) seleccionar el muelle o la combinación de muelles como indicado en la TABLA DE SELECCION MUELLE.
La válvula es suministrada con el muelle n° 1 instalado. Si el muelle debe de ser sustituido o adicionado uno suplementar seguir el procedimiento del punto n°2. Para graduar el muelle seguir el procedimiento del punto n°3.

2. SUSTITUCION DEL MUELLE (O ADICION PARA VRL8 / VRL9)

- Quitar las dos tapas de plastico de la vàlvula.
- **Comprobar che la contratuerca ref.923 esta atada al cuerpo ref.106.**
- Desenroscar los tornillos ref.903 de las tuercas 903.1.
- Quitar la cubierta 107 del cuerpo 106.
- Desenroscar el disco guia ref.433 sacandolo de vastago ref.434.
- Sacar el muelle rel.700 (solo en caso de sustitución).
- Instalar el muelle adecuado en la base del obturador ref.165.
- Comprimir el/los muelle/s y enroscar veinte vueltas como minimo el disco guia ref.433 en el vastago ref.434.
- Comprobar que las extremidades de el/los muelle/s esten bien posicionadas.
- Poner la cubierta ref.107 en el cuerpo rel.106 introduciendo
  - para VRL6: la guìa de desplazamiento en el orificio del disco guìa rel.433.
  - para VRL8 y VRL9: la guìa ref.562 en el orificio del disco guìa ref.433.
- Atornillar los tornillos rel.903 en las tuercas rel 903.1.

3. GRADUACION DE LA VALVULA

A) Ajuste para la regulaciòn de vacio

- Quitar las dos tapas de plastico de la valvula.
- Colocar la vàlvula en by-pass en la aspiraciòn y conectar tan cerca como sea posible un vacuometro en la entrada del aspirador (ver Fig. 2).
- Desenroscar la contratuerca rel.923.
- Rebajar la tension del muelle desenroscando, con la llave allen, el esparrago superior ref.904.1
- Poner en marcha el aspirador y cerrar la boca de aspiraciòn, para obtener las condiciones extremas de funcionamiento (generalmente boca completamente cerrada).
- Ajustar atornillando el esparrago superior ref.904.1 hasta alcanzar el nivel de vacio deseado.
- Enroscar la contratuerca ref.923 hasta bloquearla con el cuerpo ref.106, sin mover el esparrago superior ref.904.1.
- Abrir la tuberìa de aspiraciòn.

El vacuometro no mide las perdidas adicionales debidas a tuberias o filtros instalados a continuación de la vàlvula.

B) Ajuste para regulaciòn de presiòn

- Quitar las dos tapas de plastico de la valvula.
- Desenroscar la contratuerca ref.923 del esparrago superior ref.904.1 y enroscarla sin apretar en el esparrago inferior ref.904.2
- Colocar la vàlvula en el by-pass en la impulsion y conectar tan cerca como sea posible un manometro en la boca de salida del compresor (ver Fig. 3).
- Rebajar la tension del muelle atornillando, con la llave allen, el esparrago inferior ref.904.2
- Poner en marcha el compresor y cerrar la boca de impulsion, para obtener las condiciones màs etremas de funcionamiento (generalmente boca completamente cerrada).
- Ajustar desatornillando el esparrago inferior ref.904.2 hasta alcanzar el nivel de presiòn deseado.
- Enroscar la contratuerca ref.923 hasta bloquearla con el cuerpo ref.107, sin mover el esparrago inferior 904.2.
- Abrir la tuberìa de impulsion.

El manometro no mide las pèrdidas adicionales debidas a tuberias o filtros instalados a continuaclone de la vàlvula.

APPENDIX B

MONITORING AND SAMPLING SCHEDULE

APPENDIX B

MONITORING AND SAMPLING SCHEDULE
Remedial System and Monitoring Locations

429 Merrick Road
Lynbrook, New York

Frequency	Location				
	SSD and SVE Systems			Vapor Points	Monitoring Wells
	Pre-Carbon	Mid-Carbon	Post-Carbon		
Monthly	R/P	R/P	R/P/L	P/V	D
Quarterly	R/P	R/P	R/P/L	P/V	D/L

D - Depth to water measurement
L - Sample collection and laboratory analysis
P - Concentration measurement using a photoionization detector (PID)
R - Record operating conditions (ie. flow rates, vacuum, pressure, temperature)
V - Vacuum measurement

APPENDIX C

MONITORING FIELD SHEETS

DATE:_____

MONITORING FIELD SHEET
General Site Conditions

429 Merrick Road
Lynbrook, New York
ACT Project No.: 7045-LBNY

Location	General Weather	Temperature (ºF)	Relative Humidity (%)	Dew Point (ºF)	Barometric Pressure (in. Hg)
Site					

Air Sample Location	Wind	Wind Speed	PID Concentration (ppm)
Calibration	N/A	N/A	
Background	N/A	N/A	
Upwind			
Treatment room			
Downwind			

Notes

DATE:_____

MONITORING FIELD SHEET
General Site Conditions

429 Merrick Road
Lynbrook, New York
ACT Project No.: 7045-LBNY

Sample Location	Pressure (+/-) ("H_2O)	Flow (SCFM)	Temp. (ºF)	PID (ppm)	Sample Collected (yes/no)
VW-1			N/A		
VW-2			N/A		
VP-1		N/A	N/A		
VP-2		N/A	N/A		
SVE Blower					
Temperature	N/A	N/A		N/A	N/A
Flow Rate	N/A		N/A	N/A	N/A
Pre-filter		N/A	N/A	N/A	N/A
Post-filter		N/A	N/A	N/A	N/A
Carbon influent		N/A	N/A		
Carbon mid		N/A	N/A		
Carbon effluent		N/A	N/A		

Notes

APPENDIX D

PREVIOUS ENVIRONMENTAL INVESTIGATIONS

Sample Location Map

Brookerhoff Environmental Services LLC

37 Belvidere Avenue, Washington, NJ

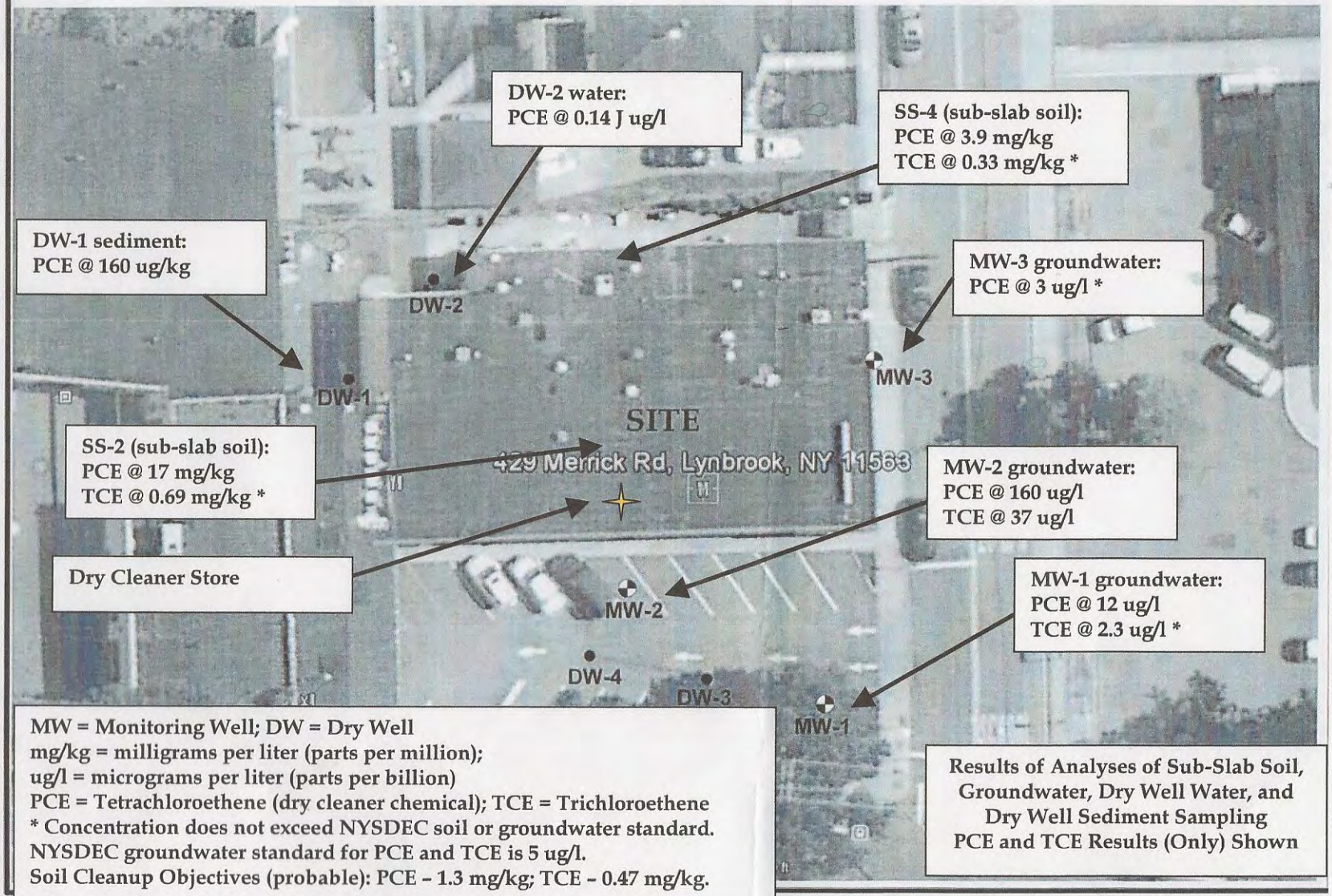


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Table 1: Summary of Phase II ESA Soil Sampling Data - 435 Merrick Road, Lynbrook, New York 11563

Constituent	Stormwater Dry Wells				DCI-1 (Interior Dry Cleaner Soil Sample)	DCO-1 (Exterior Dry Cleaner Soil Sample)	DEC SCO - Commercial	DEC SCO - Groundwater
	SD-1	SD-2	SD-3	SD-4				
Semi-Volatile Organic Compounds (SVOCs)								
Benzo(a)anthracene	10	7.4	--	0.065	NA	NA	5.6	1
Chrysene	13	12	--	0.068	NA	NA	56	1
Benzo(b)fluoranthene	12	12	--	0.068	NA	NA	5.6	1.7
Benzo(k)fluoranthene	11	10	--	0.057	NA	NA	56	1.7
Benzo(a)pyrene	9.1	7.2	--	0.059	NA	NA	1	22
Indeno(1,2,3-cd)pyrene	5.1	5.5	--	--	NA	NA	5.6	8.2
Dibenzo(a,h)anthracene	1.5	1.6	--	--	NA	NA	0.56	1,000
Metals								
Chromium	19	37 (1)	4.7	7.2	NA	NA	1,500	30 (1)
Volatile Organic Compounds (VOCs)								
Acetone	0.21	0.18	0.98	0.088	See note 3.	See note 3.	500	0.05
cis-1,2-Dichloroethane	NA	NA	NA	NA	0.08	0.016	500	0.25
Toluene	1.4	0.39	13	--	See note 3.	See note 3.	500	0.7
Trichloroethene (2)	--	--	--	0.032	0.27	0.072	200	0.47
Tetrachloroethene (2)	--	--	0.014	7.8	15	1.8	150	1.3

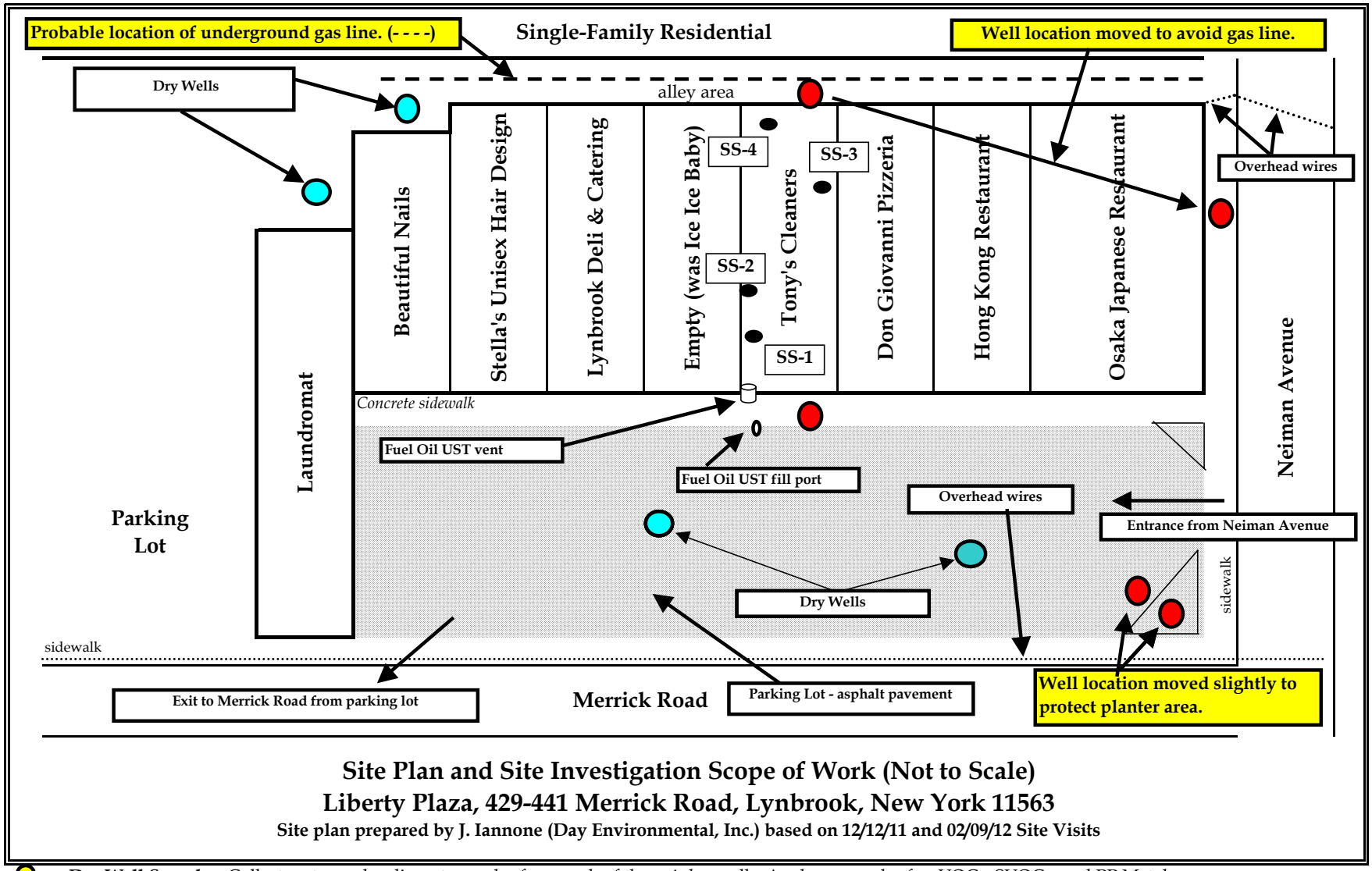
Notes:

All units are in parts per million (ppm), or milligrams per kilograms (mg/kg). "- -" Not Detected. "NA" = Not Analyzed. (Day Environmental, Inc. assumes that these definitions are accurate.)

"DEC SCO - Commercial/Groundwater" = Soil Cleanup Objectives (SCOs) as defined in 6 NYCRR part 375 and in the NYSDEC guidance document "CP-51 Soil Cleanup Guidance" (October 21, 2010).

7.8 = Indicates that the constituent was detected at a concentration above the SCO.

1. The footnote in the Part 375 regulations for chromium indicates that the calculated SCO of 30 ppm is lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey completed in 2005. In these situations, the appropriate background concentrations of chromium in soil should be determined. No background study was conducted as part of this Phase II. In addition, the highest detected concentration of chromium in soil during the DEC/DOH Background Study was 36 ppm, which is just slightly lower than the 37 ppm value reported in the draft Phase II report listed above.
2. The Phase II report refers to these chemicals as "Trichloroethane" and "Tetrachloroethane". It is more likely, however, that these chemicals are "Trichloroethene" (TCE) and "Tetrachloroethene" (PCE) since the potential source of these chemicals is the on-site dry cleaner. PCE is commonly used by dry cleaners and TCE is a common degradation product of PCE and is often found in commercial grade PCE products.
3. It is not clear from the Phase II report if these samples were analyzed for Acetone or Toluene.



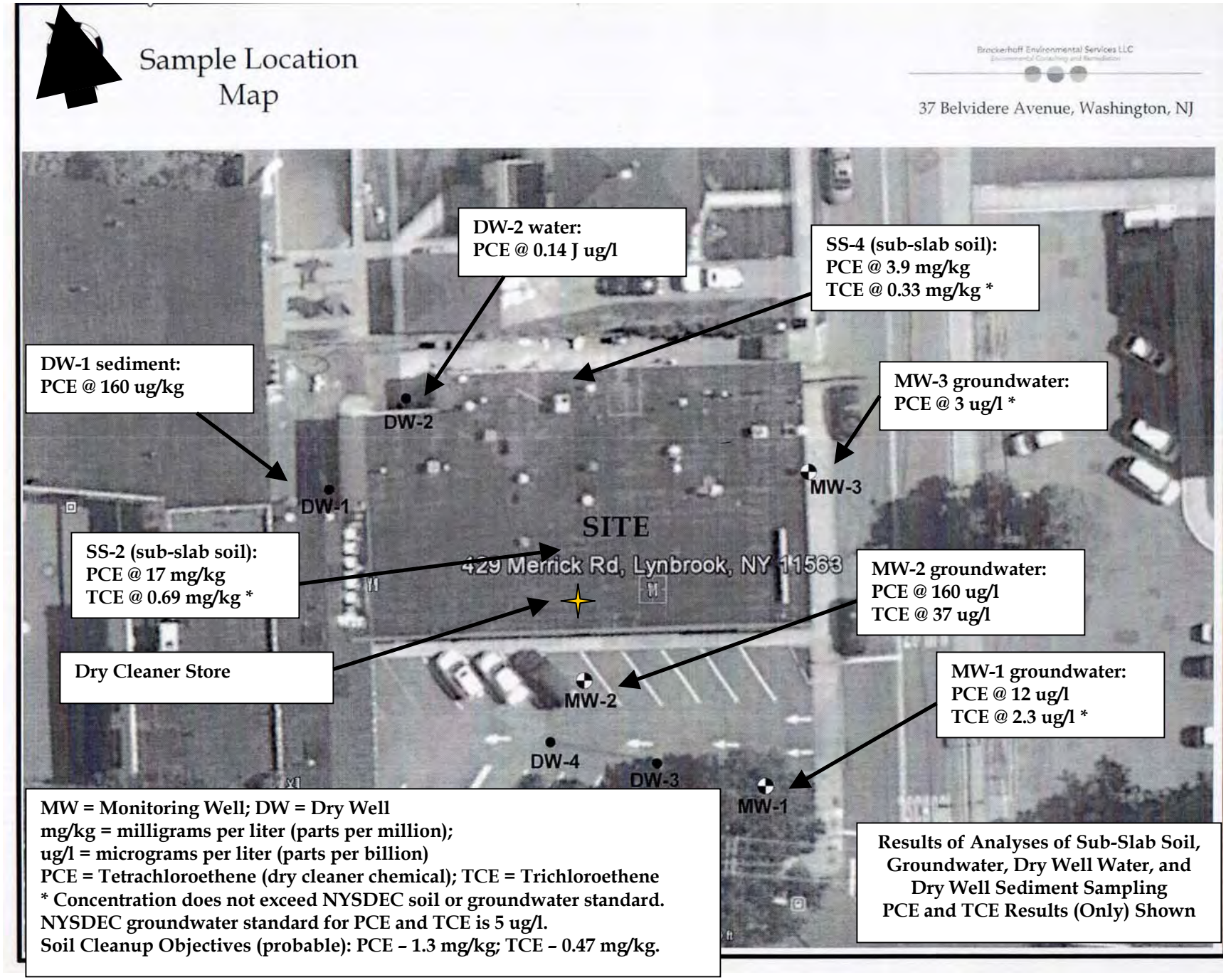
Site Plan and Site Investigation Scope of Work (Not to Scale)
Liberty Plaza, 429-441 Merrick Road, Lynbrook, New York 11563
Site plan prepared by J. Iannone (Day Environmental, Inc.) based on 12/12/11 and 02/09/12 Site Visits

Dry Well Samples. Collect water and sediment samples from each of these 4 dry wells. Analyze samples for: VOCs, SVOCs, and PP Metals.

Monitoring Well Installation and Groundwater Sampling. Install permanent 2" diameter water table (shallow aquifer) groundwater monitoring wells. Analyze low-flow groundwater samples from all 3 wells for VOCs and analyze the sample from the well closest to the fuel oil tank (MW-2) for SVOCs (BNAs).

Monitoring Well Soil Samples. Collect 2 soil samples at each monitoring well location: (1) one sample just above the water table; and (2) one sample at highest PID reading between water table sample and ground surface. Analyze all for VOCs and MW-2 (well closet to fuel oil tank) sample (only) for SVOCs (BNAs).

Dry Cleaner Sub-Slab Soil Samples (SS-1 through SS-4). Core through dry cleaner floor in 4 locations and collect soil samples from approximately 10 to 24 inches below ground surface. Analyze soil samples for VOCs.



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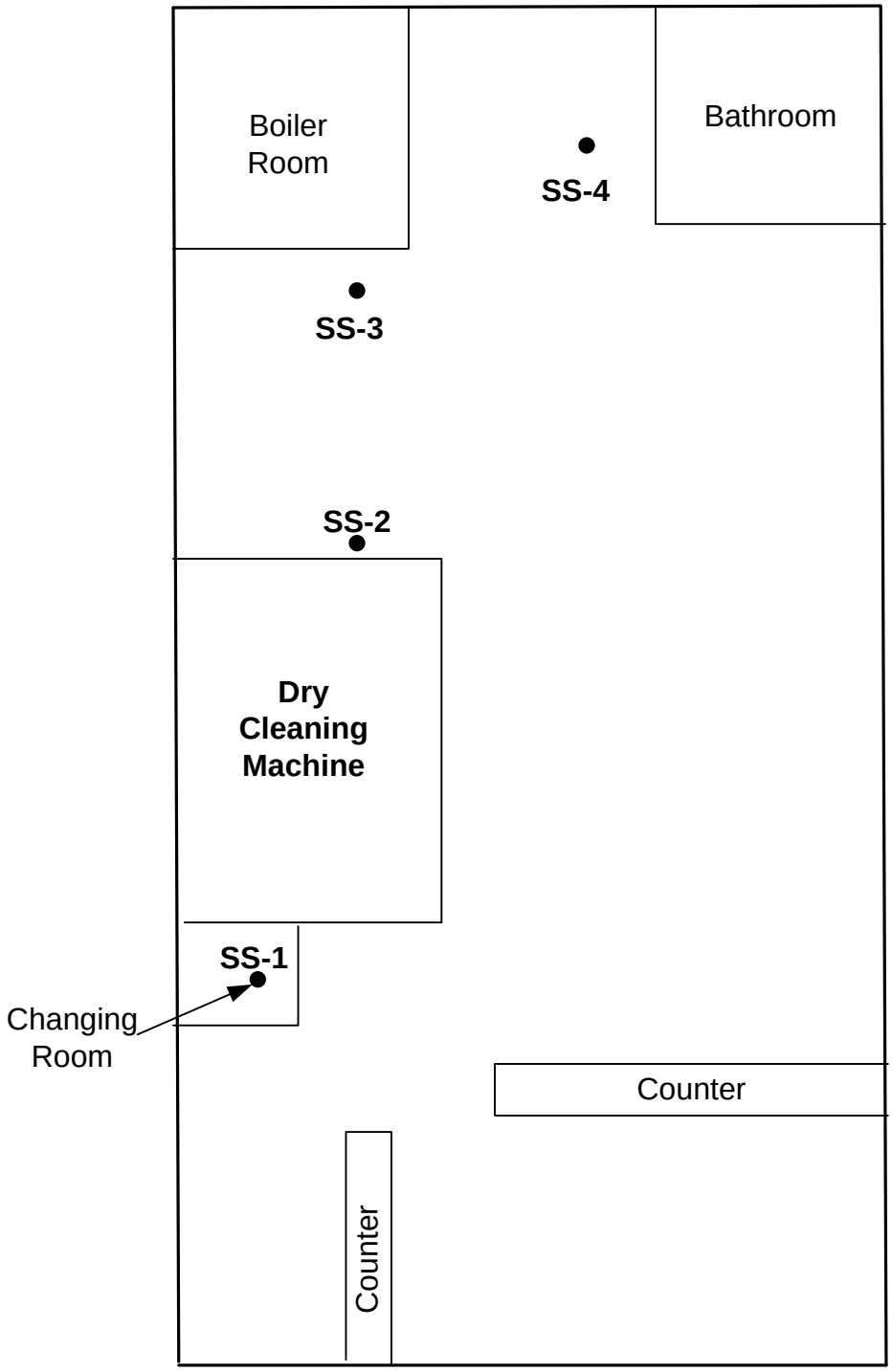
Indoor Sample Location Map

Nu-Life Realty
429-441 Merrick Road
Lynbrook, NY

Brockerhoff Environmental Services LLC
Environmental Consulting and Remediation
37 Belvidere Avenue, Washington, NJ



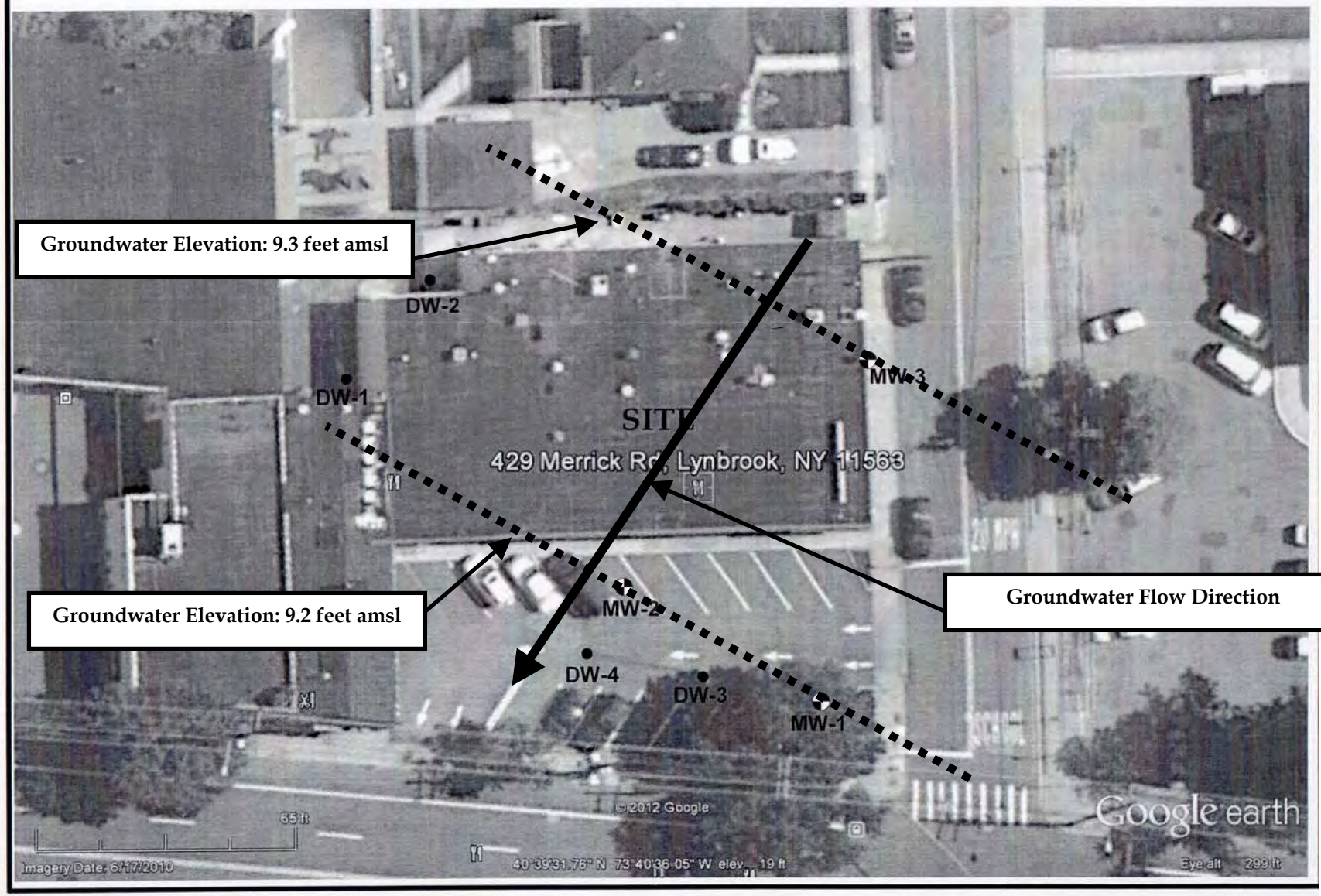
Key:

SS **Sub slab**
● **Sample Location**

Sample Location Map

Brockerhoff Environmental Services LLC
Environmental Consulting and Remediation

37 Belvidere Avenue, Washington, NJ



Groundwater Elevation Measurements, February 27, 2012
Liberty Plaza
429-441 Merrick Road, Lynbrook, New York 11563
(Nu-Life Realty, LLC)

Well No.	Well Casing Elevation	Depth to Water	Groundwater Elevation
MW-1	18.51	9.31	9.2
MW-2	18.81	9.61	9.2
MW-3	19.28	9.98	9.3

Notes:

All elevations are in feet above mean sea level.

Elevation datum NAVD 1988 derived using Leica GXI230+ GPS Receivers and New York Smartnet network. Well casing elevations measured on February 27, 2012.

Brockerhoff Environmental Services LLC

37 Belvidere Avenue, Washington, NJ 07882

MONITORING WELL LOG

BORING #: **MW-1**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**NuLife Realty LLC**	DRILLING CO.:	**Hawk Drilling, Inc.**
SITE LOCATION:	**429-441 Merrick Rd., Lynbrook, NY**	DRILLER:	**Ricky**
JOB NO.:	**N/A**	RIG TYPE:	**HSA**
LOGGED BY:	**JMB/JLJ**	METHOD OF DRILLING:	**HSA**
WELL PERMIT #:		SAMPLING METHODS:	**2' split spoon**
DATES DRILLED:	**2/9/12**	HAMMER WT./DROP:	**N/A**

▽ Water level during drilling ▼ Water level in completed well

DEPTH (ft)	SOIL SYMBOLS	SOIL DESCRIPTION	RECOVERY (ft)	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0–18		Asphalt and subbase; tan Cmf Sand; dark brown Cmf Sand; light brown Cmf Sand	5–6: 2 7–8: 2		0 0 0 0 0	Flushmount completion; Concrete; 2" Sch. 40 PVC Blank; Bentonite seal; #1 Sand pack; 2" Sch. 40 PVC 10-slot Screen; End Cap	

NOTES: No obvious odors or signs of staining observed throughout.

Brockerhoff Environmental Services LLC

37 Belvidere Avenue, Washington, NJ 07882

MONITORING WELL LOG

BORING #: **MW-2**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**NuLife Realty LLC**	DRILLING CO.:	**Hawk Drilling, Inc.**
SITE LOCATION:	**429-441 Merrick Rd., Lynbrook, NY**	DRILLER:	**Ricky**
JOB NO.:	**N/A**	RIG TYPE:	**HSA**
LOGGED BY:	**JMB/JLJ**	METHOD OF DRILLING:	**HSA**
WELL PERMIT #:		SAMPLING METHODS:	**2' split spoon**
DATES DRILLED:	**2/9/12**	HAMMER WT./DROP:	**N/A**

▽ Water level during drilling ▼ Water level in completed well

DEPTH (ft)	SOIL SYMBOLS	SOIL DESCRIPTION	RECOVERY (ft)	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0–18		Asphalt and subbase; tan Cmf Sand; dark brown Cmf Sand; light brown Cmf Sand	6–7: 2 7–8: 2		0 0 0 0 0	Flushmount completion; Concrete; 2" Sch. 40 PVC Blank; Bentonite seal; #1 Sand pack; 2" Sch. 40 PVC 10-slot Screen; End Cap	

NOTES: No obvious odors or signs of staining observed throughout.

Brockerhoff Environmental Services LLC

37 Belvidere Avenue, Washington, NJ 07882

MONITORING WELL LOG

BORING #: **MW-3**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**NuLife Realty LLC**	DRILLING CO.:	**Hawk Drilling, Inc.**
SITE LOCATION:	**429-441 Merrick Rd., Lynbrook, NY**	DRILLER:	**Ricky**
JOB NO.:	**N/A**	RIG TYPE:	**HSA**
LOGGED BY:	**JMB/JLJ**	METHOD OF DRILLING:	**HSA**
WELL PERMIT #:		SAMPLING METHODS:	**2' split spoon**
DATES DRILLED:	**2/10/12**	HAMMER WT./DROP:	**N/A**

▽ Water level during drilling ▼ Water level in completed well

DEPTH (ft)	SOIL SYMBOLS	SOIL DESCRIPTION	RECOVERY (ft)	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0–18		Asphalt and subbase; tan Cmf Sand; dark brown Cmf Sand; light brown Cmf Sand	2; 2		0; 0; 0; 0; 0		Flushmount completion; Concrete; 2" Sch. 40 PVC Blank; Bentonite seal; #1 Sand pack; 2" Sch. 40 PVC 10-slot Screen; End Cap

NOTES: No obvious odors or signs of staining observed throughout.

Sample Name	Analyte	Result	Units	Qualifier
DW-1	Mercury	0.13	mg/Kg	
DW-1	Arsenic	3.7	mg/Kg	
DW-1	Beryllium	0.36	mg/Kg	J
DW-1	Cadmium	0.52	mg/Kg	J
DW-1	Chromium	40.3	mg/Kg	
DW-1	Copper	2210	mg/Kg	
DW-1	Lead	574	mg/Kg	
DW-1	Nickel	31.7	mg/Kg	
DW-1	Zinc	832	mg/Kg	
DW-1	Fluoranthene	700	ug/Kg	J
DW-1	Phenanthrene	300	ug/Kg	J
DW-1	Pyrene	470	ug/Kg	J
DW-1	Chrysene	420	ug/Kg	J
DW-1	Benzo[k]fluoranthene	140	ug/Kg	
DW-1	Benzo[g,h,i]perylene	380	ug/Kg	J
DW-1	Benzo[b]fluoranthene	410	ug/Kg	
DW-1	Benzo[a]pyrene	290	ug/Kg	
DW-1	Benzo[a]anthracene	300	ug/Kg	
DW-1	Butyl benzyl phthalate	2,900	ug/Kg	
DW-1	Bis(2-ethylhexyl) phthalate	6700	ug/Kg	
DW-1	Di-n-octyl phthalate	390	ug/Kg	J
DW-1	Indeno[1,2,3-cd]pyrene	370	ug/Kg	
DW-1	Dibenz(a,h)anthracene	70	ug/Kg	J
DW-1	Benzene	0.47	ug/Kg	J
DW-1	Carbon disulfide	1.8	ug/Kg	J
DW-1	Tetrachloroethene	160	ug/Kg	
DW-1	1,2-Dichloroethane	0.84	ug/Kg	J
DW-1	Acetone	57	ug/Kg	B
DW-1	Methylene Chloride	85	ug/Kg	
DW-1	Toluene	2.8	ug/Kg	B
DW-1	cis-1,2-Dichloroethene	0.35	ug/Kg	J
DW-1	Chloroform	22	ug/Kg	
MW-3	Tetrachloroethene	3	ug/L	
DW-2	4-Methylphenol	1700	ug/Kg	J D
DW-2	Di-n-butyl phthalate	3000	ug/Kg	J D
DW-2	Fluoranthene	8600	ug/Kg	J D
DW-2	Toluene	1700	ug/Kg	
DW-2	Indeno[1,2,3-cd]pyrene	4500	ug/Kg	D
DW-2	Butyl benzyl phthalate	73000	ug/Kg	D
DW-2	Benzo[a]anthracene	3500	ug/Kg	D
DW-2	Benzo[a]pyrene	3100	ug/Kg	D
DW-2	Phenanthrene	5100	ug/Kg	J D

Sample Name	Analyte	Result	Units	Qualifier
DW-2	Bis(2-ethylhexyl) phthalate	82000	ug/Kg	D
DW-2	Benzo[b]fluoranthene	4400	ug/Kg	D
DW-2	Chloroform	1100	ug/Kg	
DW-2	Chrysene	5300	ug/Kg	J D
DW-2	Dibenz(a,h)anthracene	870	ug/Kg	J D
DW-2	Benzo[k]fluoranthene	1500	ug/Kg	D
DW-2	Pyrene	6100	ug/Kg	J D
DW-2	Benzo[g,h,i]perylene	4800	ug/Kg	J D
DW-2	Lead	56.5	mg/Kg	
DW-2	Zinc	343	mg/Kg	
DW-2	Nickel	39	mg/Kg	
DW-2	Cadmium	0.94	mg/Kg	J
DW-2	Chromium	20	mg/Kg	
DW-2	Mercury	2.6	mg/Kg	
DW-2	Copper	123	mg/Kg	
DW-3	Toluene	240	ug/Kg	B
DW-3	2-Butanone	21	ug/Kg	J
DW-3	Ethylbenzene	0.83	ug/Kg	J
DW-3	Naphthalene	470	ug/Kg	J
DW-3	Methylene Chloride	12	ug/Kg	B
DW-3	Acetone	88	ug/Kg	B
DW-3	4-Methyl-2-pentanone	2.8	ug/Kg	J
DW-3	Carbon disulfide	0.72	ug/Kg	J
DW-3	Dibenz(a,h)anthracene	4600	ug/Kg	
DW-3	Pyrene	44000	ug/Kg	
DW-3	Chrysene	35000	ug/Kg	
DW-3	Benzo[g,h,i]perylene	22000	ug/Kg	
DW-3	Benzo[k]fluoranthene	11000	ug/Kg	
DW-3	Benzo[a]anthracene	23000	ug/Kg	
DW-3	Benzo[a]pyrene	20000	ug/Kg	
DW-3	Benzo[b]fluoranthene	26000	ug/Kg	
DW-3	Phenanthrene	35000	ug/Kg	
DW-3	Carbazole	6400	ug/Kg	
DW-3	Anthracene	9300	ug/Kg	
DW-3	Fluoranthene	79000	ug/Kg	
DW-3	Dibenzofuran	3100	ug/Kg	J
DW-3	Fluorene	8000	ug/Kg	
DW-3	Acenaphthene	5400	ug/Kg	
DW-3	Indeno[1,2,3-cd]pyrene	22000	ug/Kg	
DW-3	Copper	167	mg/Kg	
DW-3	Nickel	15.6	mg/Kg	J
DW-3	Cadmium	1.4	mg/Kg	J

Sample Name	Analyte	Result	Units	Qualifier
DW-3	Chromium	68.7	mg/Kg	
DW-3	Lead	124	mg/Kg	
DW-3	Zinc	465	mg/Kg	
DW-3	Percent Solids	45.3	%	
DW-3	Bis(2-ethylhexyl) phthalate	21000	ug/Kg	
DW-3	Antimony	14.2	mg/Kg	
DW-3	Mercury	0.15	mg/Kg	
DW-4	Dibenzofuran	4000	ug/Kg	J D
DW-4	Fluoranthene	150000	ug/Kg	D
DW-4	Fluorene	12000	ug/Kg	J D
DW-4	Anthracene	15000	ug/Kg	D
DW-4	Ethylbenzene	2.6	ug/Kg	
DW-4	2-Butanone	24	ug/Kg	
DW-4	Chrysene	87000	ug/Kg	D
DW-4	Pyrene	130000	ug/Kg	D
DW-4	Carbazole	16000	ug/Kg	D
DW-4	Benzo[k]fluoranthene	25000	ug/Kg	D
DW-4	Di-n-octyl phthalate	910	ug/Kg	U
DW-4	Benzo[b]fluoranthene	70000	ug/Kg	D
DW-4	Bis(2-ethylhexyl) phthalate	17000	ug/Kg	D
DW-4	Benzo[a]anthracene	52000	ug/Kg	D
DW-4	Benzo[a]pyrene	49000	ug/Kg	D
DW-4	Butyl benzyl phthalate	1300	ug/Kg	U
DW-4	Pentachlorophenol	4300	ug/Kg	U
DW-4	Phenanthrene	110000	ug/Kg	D
DW-4	Benzo[g,h,i]perylene	55000	ug/Kg	D
DW-4	Acenaphthene	6200	ug/Kg	J D
DW-4	Tentatively Identified Compound	20000	ug/Kg	D J
DW-4	3,3'-Dichlorobenzidine	5000	ug/Kg	U
DW-4	Tentatively Identified Compound	54000	ug/Kg	D J
DW-4	Tentatively Identified Compound	38000	ug/Kg	D J
DW-4	Dibenz(a,h)anthracene	11000	ug/Kg	D
DW-4	Indeno[1,2,3-cd]pyrene	51000	ug/Kg	D
DW-4	Mercury	0.079	mg/Kg	
DW-4	Antimony	6.7	mg/Kg	
DW-4	Cadmium	1	mg/Kg	J
DW-4	Chromium	27	mg/Kg	
DW-4	Copper	125	mg/Kg	
DW-4	Lead	59.8	mg/Kg	
DW-4	Nickel	9.1	mg/Kg	J
DW-4	Zinc	261	mg/Kg	
DW-4	Methylcyclohexane	0.98	ug/Kg	J

Sample Name	Analyte	Result	Units	Qualifier
DW-4	4-Methyl-2-pentanone	4.5	ug/Kg	J
DW-4	o-Xylene	0.37	ug/Kg	J
DW-4	Methylene Chloride	41	ug/Kg	B
DW-4	Carbon disulfide	0.89	ug/Kg	J
DW-4	Acetone	230	ug/Kg	B
DW-4	Toluene	40	ug/Kg	B
DW-2W	Phenol	3.9	ug/L	J
DW-2W	Benzo[a]pyrene	1.4	ug/L	
DW-2W	Benzo[a]anthracene	2.6	ug/L	
DW-2W	Chloromethane	1.5	ug/L	
DW-2W	4-Methylphenol	5.3	ug/L	J
DW-2W	Cadmium	14.9	ug/L	
DW-2W	Beryllium	1.1	ug/L	
DW-2W	Benzo[b]fluoranthene	3	ug/L	
DW-2W	Benzene	0.16	ug/L	J
DW-2W	Carbon disulfide	2	ug/L	
DW-2W	Acetone	49	ug/L	
DW-2W	Toluene	25	ug/L	
DW-2W	Methylene Chloride	3.4	ug/L	
DW-2W	o-Xylene	0.13	ug/L	J
DW-2W	Chromium	274	ug/L	
DW-2W	Zinc	12100	ug/L	
DW-2W	Selenium	4.5	ug/L	
DW-2W	Lead	815	ug/L	
DW-2W	Copper	4660	ug/L	
DW-2W	Arsenic	24.1	ug/L	
DW-2W	Mercury	6	ug/L	
DW-2W	Silver	15.4	ug/L	
DW-2W	Antimony	20.3	ug/L	
DW-2W	Nickel	333	ug/L	
DW-2W	Pyrene	6.1	ug/L	J
DW-2W	Di-n-butyl phthalate	8.2	ug/L	J
DW-2W	Fluoranthene	10	ug/L	J
DW-2W	Tentatively Identified Compound	4700	ug/L	
DW-2W	Phenanthrene	7.2	ug/L	J
DW-2W	Butyl benzyl phthalate	350	ug/L	
DW-2W	Tetrachloroethene	0.14	ug/L	J
DW-2W	Chloroethane	2.2	ug/L	
DW-2W	Carbon tetrachloride	0.42	ug/L	J
DW-2W	Styrene	0.13	ug/L	J
DW-2W	Chloroform	160	ug/L	
DW-2W	Benzo[k]fluoranthene	1.8	ug/L	J

Sample Name	Analyte	Result	Units	Qualifier
DW-2W	Bis(2-ethylhexyl) phthalate	240	ug/L	
DW-2W	Indeno[1,2,3-cd]pyrene	3	ug/L	
DW-2W	Dibenz(a,h)anthracene	0.8	ug/L	J
DW-2W	Tentatively Identified Compound	6.6	ug/L	J
DW-2W	2-Butanone	3.8	ug/L	J
DW-2W	Ethylbenzene	0.12	ug/L	J
DW-3W	Acetone	8.8	ug/L	
DW-3W	4-Methyl-2-pentanone	1.8	ug/L	J
DW-3W	Copper	15.6	ug/L	
DW-3W	Lead	4	ug/L	
DW-3W	Zinc	62.8	ug/L	
DW-3W	Benzo[a]anthracene	1.7	ug/L	
DW-3W	Benzo[a]pyrene	1.2	ug/L	
DW-3W	Benzo[b]fluoranthene	2.4	ug/L	
DW-3W	Pentachlorophenol	0.38	ug/L	
DW-3W	Indeno[1,2,3-cd]pyrene	1.5	ug/L	
DW-3W	Dibenz(a,h)anthracene	0.35	ug/L	J
DW-3W	Benzo[k]fluoranthene	1	ug/L	
DW-3W	Chrysene	3.2	ug/L	J
DW-3W	Pyrene	5.6	ug/L	J
DW-3W	Fluoranthene	7.4	ug/L	J
DW-4W	Lead	4.1	ug/L	
DW-4W	Copper	14.9	ug/L	
DW-4W	Antimony	2.2	ug/L	J
DW-4W	Zinc	86.4	ug/L	
DW-4W	Benzo[a]pyrene	3.6	ug/L	
DW-4W	Pentachlorophenol	0.27	ug/L	
DW-4W	Phenanthrene	5.4	ug/L	J
DW-4W	Fluoranthene	16	ug/L	
DW-4W	Pyrene	13	ug/L	
DW-4W	Benzo[a]anthracene	3.6	ug/L	
DW-4W	Bis(2-ethylhexyl) phthalate	3.3	ug/L	J
DW-4W	Dibenz(a,h)anthracene	0.81	ug/L	J
DW-4W	Benzo[b]fluoranthene	7.9	ug/L	
DW-4W	Chrysene	8.7	ug/L	J
DW-4W	Indeno[1,2,3-cd]pyrene	5.1	ug/L	
DW-4W	Benzo[g,h,i]perylene	5.6	ug/L	J
DW-4W	Benzo[k]fluoranthene	3.5	ug/L	
DW-4W	Acetone	26	ug/L	
DW-4W	4-Methyl-2-pentanone	1.8	ug/L	J
DW-4W	Toluene	0.24	ug/L	J
MW-1	m&p-Xylene	2.4	ug/L	

Sample Name	Analyte	Result	Units	Qualifier
MW-1	o-Xylene	0.98	ug/L	J
MW-1	Trichloroethene	2.3	ug/L	
MW-1	Ethylbenzene	0.63	ug/L	J
MW-1	Xylenes, Total	3.3	ug/L	
MW-1	cis-1,2-Dichloroethene	0.28	ug/L	J
MW-1	Tetrachloroethene	12	ug/L	
MW-2	cis-1,2-Dichloroethene	20	ug/L	
MW-2	Trichloroethene	37	ug/L	
MW-2	trans-1,2-Dichloroethene	0.36	ug/L	J
MW-2	Tetrachloroethene	160	ug/L	

Table X: Analytical Results, Dry Well Sediment Samples - Detections Only [(1)]
Liberty Plaza, Merrick Road, Lynbrook, NY (Nu-Life Realty, LLC)

Constituent	DW-1	DW-2	DW-3	DW-4
Metals (mg/kg)				
Mercury	0.13	2.6	0.15	0.079
Antimony	- -	- -	14.2	6.7
Arsenic	3.7	- -	- -	- -
Beryllium	0.36 J	- -	- -	- -
Cadmium	0.52 J	0.94 J	1.4 J	1 J
Chromium	40.3	20	68.7	27
Copper	2,210	123	167	125
Lead	574	56.5	124	59.8
Nickel	31.7	39	15.6 J	9.1 J
Selenium	- -	- -	- -	- -
Silver	- -	- -	- -	- -
Thallium	- -	- -	- -	- -
Zinc	832	343	465	261
Semi-Volatile Organic Compounds - SVOCs (ug/kg)				
4-Methylphenol	- -	1,700 JD	- -	- -
Naphthalene	- -	- -	470 J	
Acenaphthene	- -	- -	5,400	6,200 JD
Dibenzofuran	- -	- -	3,100 J	4,000 JD
Fluorene	- -	- -	8,000	12,000 JD
Fluoranthene	700 J	8,600 J	79,000	150,000 D
Di-n-butyl phthalate	- -	3,000 JD	- -	- -
Anthracene	- -	- -	9,300	15,000 D
Carbazole	- -	- -	6,400	16,000 D
Phenanthrene	300 J	5,100 JD	35,000	110,000 D
Pyrene	470 J	6,100 JD	44,000	130,000 D
Chrysene	420 J	5,300 JD	35,000	87,000 D
Benzo[k]fluoranthene	140	1,500 D	11,000	25,000 D
Benzo[g,h,i]perylene	380 J	4,800 JD	22,000	- -
Benzo[b]fluoranthene	410	4,400 D	26,000	70,000 D
Benzo[a]pyrene	290	3,100 D	20,000	49,000 D
Benzo[a]anthracene	300	3,500 D	23,000	52,000 D
Butyl benzyl phthalate	2,900	73,000 D	- -	- -
Bis(2-ethylhexyl) phthalate	6,700	82,000 D	21,000	17,000 D
Di-n-octyl phthalate	390 J	- -	- -	- -
Indeno[1,2,3-cd]pyrene	370	4,500 D	22,000	51,000 D
Dibenz(a,h)anthracene	70 J	870 JD	4,600	11,000 D

Table X: Analytical Results, Dry Well Sediment Samples - Detections Only [(1)]
Liberty Plaza, Merrick Road, Lynbrook, NY (Nu-Life Realty, LLC)

Constituent	DW-1	DW-2	DW-3	DW-4
Volatile Organic Compounds - VOCs (ug/kg)				
Benzene	0.47 J	- -	- -	- -
Carbon disulfide	1.8 J	- -	0.72 J	0.89 J
1,2-Dichloroethane	0.84 J	- -	- -	- -
Acetone	57 B	- -	88 B	230 B
4-Methyl-2-pentanone	- -	- -	2.8 J	4.5 J
Methylene Chloride	85	- -	12 B	41 B
Toluene	2.8 B	1,700 B	240 B	40 B
o-Xylene	- -	- -	- -	0.37 J
2-Butanone	- -	- -	21 J	24
Ethylbenzene	- -	- -	0.83 J	2.6
Methylcyclohexane	- -	- -	- -	0.98 J
cis-1,2-Dichloroethene	0.35 J	- -	- -	- -
Chloroform	22	1,100	- -	- -
Percent Moisture	54.7 %	62.3 %	45.3 %	57.8 %
Percent Solids	45.3 %	37.7 %	54.7 %	42.2 %

Notes:

1. These are the results of the analyses of the sediment samples collected from the dry wells at the Liberty Plaza shopping area owned by Nu-Life Realty, LLC at 429-441 Merrick Road in Lynbrook, NY

2. These are the Part 375 NYSDEC Soil Cleanup Objectives for the Protection of Groundwater.

3. These are the Nassau County sediment cleanup objectives.

"J" = Estimated value.

"B" = Constituent also found in blank sample.

Units: "mg/kg" = milligrams per kilograms, or parts per million (ppm); "ug/kg" = micrograms per kilogram, or parts per billion (ppb).

"- -" = Indicates that the constituent was not detected at a concentration above the Method Detection Limit.

Table 1: Summary of Analytical Results - Sub-slab Soil Samples [1]
429 Merrick Road, Lynbrook, NY 11563 (Nu-Life Realty, LLC)

Sample ID	Probable NYSDEC Soil Cleanup Objective [2]	SS-1	SS-3	SS-4	SS-4 [3]	SS-2
Lab Sample No.		460-00036752-007	460-00036752-009	460-00036752-010	460-00036752-010	460-00036752-008
Sampling Date		2/9/2012	2/9/2012	2/9/2012	2/9/2012	2/9/2012
Dilution Factor		1	1	1	1	1
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (GC/MS)						
1,1,1-Trichloroethane	0.68	0.00013 U	0.00013 U	0.00013 U	0.0065 U H	0.0062 U
1,1,2,2-Tetrachloroethane	0.6	0.000093 U	0.00009 U	0.000087 U	0.017 U H	0.016 U
1,1,2-Trichloroethane	NS	0.00015 U	0.00014 U	0.00014 U	0.020 U H	0.019 U
1,1-Dichloroethane	0.27	0.00011 U	0.00011 U	0.00011 U	0.014 U H	0.013 U
1,1-Dichloroethene	0.33	0.00020 U	0.00019 U	0.00018 U	0.0093 U H	0.0088 U
1,2,3-Trichlorobenzene	NS	0.00017 U	0.00016 U	0.00015 U	0.054 U H *	0.051 U
1,2,4-Trichlorobenzene	NS	0.00020 U	0.00019 U	0.00018 U	0.036 U H *	0.034 U
1,2,4-Trimethylbenzene	3.6	0.00016 U	0.00015 U	0.00015 U	0.013 U H	0.013 U
1,2-Dibromo-3-Chloropropane	NS	0.00046 U	0.00044 U	0.00043 U	0.042 U H	0.040 U
1,2-Dibromoethane	NS	0.00016 U	0.00015 U	0.00015 U	0.029 U H	0.027 U
1,2-Dichlorobenzene	1.1	0.00010 U	0.00010 U	0.00023 J	0.022 U H	0.020 U
1,2-Dichloroethane	0.02	0.00019 U	0.00018 U	0.00017 U	0.020 U H	0.019 U
1,2-Dichloropropane	NS	0.00016 U	0.00015 U	0.00015 U	0.009 U H	0.0086 U
1,3,5-Trimethylbenzene	8.4	0.00012 U	0.00012 U	0.00012 U	0.016 U H	0.015 U
1,3-Dichlorobenzene	2.4	0.00017 U	0.00016 U	0.00015 U	0.014 U H	0.013 U
1,4-Dichlorobenzene	1.8	0.00011 U	0.00011 U	0.00011 U	0.024 U H	0.023 U
1,4-Dioxane	0.1	0.013 U	0.013 U	0.012 U	**3.8 U H ***	**3.6 U ***
2-Butanone	0.3	0.00065 U	0.00063 U	0.00061 U	0.24 U H	0.23 U
2-Hexanone	NS	0.00013 U	0.00013 U	0.00013 U	0.052 U H	0.050 U
4-Methyl-2-pentanone	NS	0.00021 U	0.00020 U	0.00019 U	0.10 U H	0.098 U
Acetone	0.05	0.0018 U	0.0017 U	0.0016 U	0.28 U H	0.27 U
Benzene	0.06	0.00016 U	0.00015 U	0.00015 U	0.0087 U H	0.0082 U
Bromochloromethane	NS	0.00011 U	0.00011 U	0.00011 U	0.029 U H	0.027 U
Bromodichloromethane	NS	0.00033 U	0.00032 U	0.00031 U	0.013 U H	0.012 U
Bromoform	NS	0.00018 U	0.00017 U	0.00016 U	0.020 U H	0.019 U
Bromomethane	NS	0.00045 U	0.00043 U	0.00042 U	0.019 U H	0.018 U
Carbon disulfide	2.7	0.00016 U	0.00015 U	0.00015 U	0.013 U H	0.012 U
Carbon tetrachloride	0.76	0.00016 U	0.00015 U	0.00015 U	0.006 U H	0.0057 U
Chlorobenzene	1.1	0.00019 U	0.00018 U	0.00017 U	0.012 U H	0.011 U
Chloroethane	NS	0.00034 U	0.00033 U	0.00032 U	0.018 U H	0.017 U
Chloroform	0.37	0.00025 U	0.00024 U	0.00023 U	0.0082 U H	0.0078 U
Chloromethane	NS	0.00017 U	0.00016 U	0.00015 U	0.010 U H	0.0096 U
cis-1,2-Dichloroethene	0.25	0.0015	0.017	0.0061	0.049 J H	0.38
cis-1,3-Dichloropropene	NS	0.00015 U	0.00014 U	0.00014 U	0.019 U H	0.018 U
Cyclohexane	NS	0.00013 U	0.00013 U	0.00013 U	0.017 U H	0.016 U
Dibromochloromethane	NS	0.00010 U	0.00010 U	0.000097 U	0.021 U H	0.020 U
Dichlorodifluoromethane	NS	0.00023 U	0.00022 U	0.00021 U	0.023 U H	0.021 U
Ethylbenzene	1	0.00036 J	0.00017 U	0.00016 U	0.010 U H	0.0095 U
Freon TF	NS	0.00011 U	0.00011 U	0.00011 U	0.0086 U H	0.0082 U
Isopropylbenzene	2.3	0.00011 U	0.00011 U	0.00011 U	0.008 U H	0.0076 U
m&p-Xylene	1.6	0.0013 J	0.00059 U	0.00057 U	0.026 U H	0.024 U
Methyl acetate	NS	0.00033 U	0.00032 U	0.00031 U	0.035 U H	0.033 U
Methylcyclohexane	NS	0.00010 U	0.00010 U	0.000097 U	0.014 U H *	0.013 U
Methylene Chloride	0.05	0.00016 U	0.00071 J B	0.00081 J B	0.019 U H	0.018 U
MTBE	0.93	0.00011 U	0.00011 U	0.00011 U	0.014 U H	0.014 U
Naphthalene	12	0.00024 U	0.00023 U	0.00022 U	0.031 U H *	0.029 U
n-Butylbenzene	12	0.000083 U	0.00008 U	0.000077 U	0.015 U H	0.014 U
N-Propylbenzene	3.9	0.00016 U	0.00015 U	0.00015 U	0.010 U H	0.0094 U

Table 1: Summary of Analytical Results - Sub-slab Soil Samples [1]
429 Merrick Road, Lynbrook, NY 11563 (Nu-Life Realty, LLC)

Sample ID	Probable NYSDEC Soil Cleanup Objective [2]	SS-1	SS-3	SS-4	SS-4 [3]	SS-2
Lab Sample No.		460-00036752-007	460-00036752-009	460-00036752-010	460-00036752-010	460-00036752-008
Sampling Date		2/9/2012	2/9/2012	2/9/2012	2/9/2012	2/9/2012
Dilution Factor		1	1	1	1	1
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
o-Xylene	1.6	0.00080 J	0.00019 U	0.00018 U	0.014 U H	0.013 U
p-Isopropyltoluene	10	0.00015 U	0.00014 U	0.00014 U	0.014 U H	0.013 U
sec-Butylbenzene	11	0.00013 U	0.00013 U	0.00013 U	0.019 U H	0.018 U
Styrene	NS	0.00029 U	0.00028 U	0.00027 U	0.012 U H	0.012 U
tert-Butylbenzene	5.9	0.00012 U	0.00012 U	0.00012 U	0.012 U H	0.012 U
Tetrachloroethene	1.3	0.094	0.44	0.49 E	**3.9 H**	**17**
Toluene	0.7	0.00015 U	0.00014 U	0.00014 U	0.016 U H	0.030 J
trans-1,2-Dichloroethene	0.19	0.00013 U	0.00023 J	0.00013 U	0.014 U H	0.013 U
trans-1,3-Dichloropropene	NS	0.00010 U	0.00010 U	0.000097 U	0.025 U H	0.024 U
Trichloroethene	0.47	0.0025	0.028	0.027	0.33 H	**0.69**
Trichlorofluoromethane	NS	0.00017 U	0.00016 U	0.00015 U	0.015 U H	0.015 U
Vinyl chloride	0.02	0.00035 U	0.00034 U	0.00033 U	0.015 U H	0.014 U
Xylenes, Total	1.6	0.0021 J	0.00067 U	0.00065 U	0.038 U H	0.036 U

Notes:

NS: There are no standards (SCOs) for these constituents.

*: Recovery or RPD exceeds control limits

B: Compound was found in the blank and sample.

H: Sample was prepped or analyzed beyond the specified holding time

E: Result exceeded calibration range. (Estimated value)

J: Result is less than the Reporting Limit (RL) but greater than or equal to the Method Detection Limit (MDL) and the concentration is an approximate value.

U: Indicates the analyte was analyzed for but not detected.

1. These are the results of the laboratory analyses of soil samples collected approximately 10" to 16" beneath the surface of the floor at 429 Merrick Road (I.e., Choi Cleaners, d/b/a Tony's Cleaners.

2. These are the New York State Department of Environmental Conservation (NYSDEC) Soil Cleanup Objectives (SCOs) for the Protection of Groundwater as defined in: (1) 6 NYCRR Part 375, Table 375-8.6(b); and (2) Commissioner's Policy No. 51 (CP-51), Soil Cleanup Guidance (October 21, 2010).

3. This sample (SS-4) was re-analyzed to address the estimated Tetrachloroethene (PCE) concentrations reported as the result of the initial analyses. The second analyses of this sample was performed beyond the specified holding time. However, the results of this re-analyses indicated that PCE was present in this sample at a concentration of 3.9 mg/kg, which exceeds the NYSDEC SCO for PCE of 1.3 mg/kg. In addition, the concentration of 1,4-Dioxane reported for the re-analyses of this sample was 3.8 mg/kg, which exceeds the NYSDEC SCO for 4-Dioxane of 0.1 mg/kg.

17 = Indicates that the constituent was detected at a concentration above the Probable NYSDEC SCO listed for the constituent (see note 2).

Table 2: Summary of Analytical Results - Soil Boring (Monitoring Well) Soil Samples [1]
429 Merrick Road, Lynbrook, NY 11563 (Nu-Life Realty, LLC)

Sample ID	Probable NYSDEC Soil Cleanup Objective [2]	B-1A	B-1B	B-2A	B-2B	B-3A	B-3B
Lab Sample No.		460-00036752-001	460-00036752-002	460-00036752-003	460-00036752-004	460-00036752-005	460-00036752-006
Sampling Date		2/9/2012	2/9/2012	2/10/2012	2/10/2012	2/9/2012	2/9/2012
Dilution Factor		1	1	1	1	1	1
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (GC/MS)							
1,1,1-Trichloroethane	0.68	0.00014 U	0.00014 U	0.00013 U	0.00014 U	0.00013 U	0.00013 U
1,1,2,2-Tetrachloroethane	0.6	0.000095 U	0.000097 U	0.00009 U	0.00010 U	0.000089 U	0.000092 U
1,1,2-Trichloroethane	NS	0.00015 U	0.00015 U	0.00014 U	0.00016 U	0.00014 U	0.00014 U
1,1-Dichloroethane	0.27	0.00012 U	0.00012 U	0.00011 U	0.00012 U	0.00011 U	0.00011 U
1,1-Dichloroethene	0.33	0.00020 U	0.00021 U	0.00019 U	0.00021 U	0.00019 U	0.00019 U
1,2,3-Trichlorobenzene	NS	0.00017 U	0.00017 U	0.00016 U	0.00018 U	0.00016 U	0.00016 U
1,2,4-Trichlorobenzene	NS	0.00020 U	0.00021 U	0.00019 U	0.00021 U	0.00019 U	0.00019 U
1,2,4-Trimethylbenzene	3.6	0.00016 U	0.00016 U	0.00015 U	0.00017 U	0.00015 U	0.00015 U
1,2-Dibromo-3-Chloropropane	NS	0.00046 U	0.00048 U	0.00044 U	0.00049 U	0.00044 U	0.00045 U
1,2-Dibromoethane	NS	0.00016 U	0.00016 U	0.00015 U	0.00017 U	0.00015 U	0.00015 U
1,2-Dichlorobenzene	1.1	0.00011 U	0.00011 U	0.00010 U	0.00011 U	0.000099 U	0.00010 U
1,2-Dichloroethane	0.02	0.00019 U	0.00019 U	0.00018 U	0.00020 U	0.00018 U	0.00018 U
1,2-Dichloropropane	NS	0.00016 U	0.00016 U	0.00015 U	0.00017 U	0.00015 U	0.00015 U
1,3,5-Trimethylbenzene	8.4	0.00013 U	0.00013 U	0.00012 U	0.00013 U	0.00012 U	0.00012 U
1,3-Dichlorobenzene	2.4	0.00017 U	0.00017 U	0.00016 U	0.00018 U	0.00016 U	0.00016 U
1,4-Dichlorobenzene	1.8	0.00012 U	0.00012 U	0.00011 U	0.00012 U	0.00011 U	0.00011 U
1,4-Dioxane	0.1	0.013 U	0.014 U	0.013 U	0.014 U	0.013 U	0.013 U
2-Butanone	0.3	0.00066 U	0.00068 U	0.00063 U	0.00070 U	0.00063 U	0.00064 U
2-Hexanone	NS	0.00014 U	0.00014 U	0.00013 U	0.00014 U	0.00013 U	0.00013 U
4-Methyl-2-pentanone	NS	0.00021 U	0.00022 U	0.00020 U	0.00022 U	0.00020 U	0.00020 U
Acetone	0.05	0.0018 U	0.0018 U	0.0017 U	0.0019 U	0.0017 U	0.0017 U
Benzene	0.06	0.00016 U	0.00016 U	0.00015 U	0.00017 U	0.00015 U	0.00015 U
Bromochloromethane	NS	0.00012 U	0.00012 U	0.00011 U	0.00012 U	0.00011 U	0.00011 U
Bromodichloromethane	NS	0.00034 U	0.00035 U	0.00032 U	0.00035 U	0.00032 U	0.00033 U
Bromoform	NS	0.00018 U	0.00018 U	0.00017 U	0.00019 U	0.00017 U	0.00017 U
Bromomethane	NS	0.00045 U	0.00047 U	0.00043 U	0.00048 U	0.00043 U	0.00044 U
Carbon disulfide	2.7	0.00016 U	0.00016 U	0.00015 U	0.00017 U	0.00015 U	0.00015 U
Carbon tetrachloride	0.76	0.00016 U	0.00016 U	0.00015 U	0.00017 U	0.00015 U	0.00015 U
Chlorobenzene	1.1	0.00019 U	0.00019 U	0.00018 U	0.00020 U	0.00018 U	0.00018 U
Chloroethane	NS	0.00035 U	0.00036 U	0.00033 U	0.00037 U	0.00033 U	0.00034 U
Chloroform	0.37	0.00025 U	0.00026 U	0.00024 U	0.00027 U	0.00024 U	0.00024 U
Chloromethane	NS	0.00017 U	0.00017 U	0.00016 U	0.00018 U	0.00016 U	0.00016 U
cis-1,2-Dichloroethene	0.25	0.00012 U	0.00012 U	0.00011 U	0.00016 J	0.00011 U	0.00011 U

Table 2: Summary of Analytical Results - Soil Boring (Monitoring Well) Soil Samples [1]
429 Merrick Road, Lynbrook, NY 11563 (Nu-Life Realty, LLC)

Sample ID	Probable NYSDEC Soil Cleanup Objective [2]	B-1A	B-1B	B-2A	B-2B	B-3A	B-3B
Lab Sample No.		460-00036752-001	460-00036752-002	460-00036752-003	460-00036752-004	460-00036752-005	460-00036752-006
Sampling Date		2/9/2012	2/9/2012	2/10/2012	2/10/2012	2/9/2012	2/9/2012
Dilution Factor		1	1	1	1	1	1
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
cis-1,3-Dichloropropene	NS	0.00015 U	0.00015 U	0.00014 U	0.00016 U	0.00014 U	0.00014 U
Cyclohexane	NS	0.00014 U	0.00014 U	0.00013 U	0.00014 U	0.00013 U	0.00013 U
Dibromochloromethane	NS	0.00011 U	0.00011 U	0.00010 U	0.00011 U	0.000099 U	0.00010 U
Dichlorodifluoromethane	NS	0.00023 U	0.00024 U	0.00022 U	0.00024 U	0.00022 U	0.00022 U
Ethylbenzene	1	0.00018 U	0.00018 U	0.00017 U	0.00019 U	0.00017 U	0.00017 U
Freon TF	NS	0.00012 U	0.00012 U	0.00011 U	0.00012 U	0.00011 U	0.00011 U
Isopropylbenzene	2.3	0.00012 U	0.00012 U	0.00011 U	0.00012 U	0.00011 U	0.00011 U
m&p-Xylene	1.6	0.00062 U	0.00064 U	0.00059 U	0.00065 U	0.00059 U	0.00060 U
Methyl acetate	NS	0.00034 U	0.00035 U	0.00032 U	0.00035 U	0.00032 U	0.00033 U
Methylcyclohexane	NS	0.00011 U	0.00011 U	0.00010 U	0.00011 U	0.000099 U	0.00010 U
Methylene Chloride	0.05	0.00091 J B	0.00071 J B	0.00037 J B	0.00081 J B	0.00033 J B	0.00062 J
MTBE	0.93	0.00012 U	0.00012 U	0.00011 U	0.00012 U	0.00011 U	0.00011 U
Naphthalene	12	0.00024 U	0.00025 U	0.00023 U	0.00025 U	0.00023 U	0.00023 U
n-Butylbenzene	12	0.000084 U	0.000087 U	0.00008 U	0.000089 U	0.000079 U	0.000082 U
N-Propylbenzene	3.9	0.00016 U	0.00016 U	0.00015 U	0.00017 U	0.00015 U	0.00015 U
o-Xylene	1.6	0.00020 U	0.00021 U	0.00019 U	0.00021 U	0.00019 U	0.00019 U
p-Isopropyltoluene	10	0.00015 U	0.00015 U	0.00014 U	0.00016 U	0.00014 U	0.00014 U
sec-Butylbenzene	11	0.00014 U	0.00014 U	0.00013 U	0.00014 U	0.00013 U	0.00013 U
Styrene	NS	0.00029 U	0.00030 U	0.00028 U	0.00031 U	0.00028 U	0.00029 U
tert-Butylbenzene	5.9	0.00013 U	0.00013 U	0.00012 U	0.00013 U	0.00012 U	0.00012 U
Tetrachloroethene	1.3	0.0012	0.00070 J	0.00064 J	0.0032	0.0031	0.0048
Toluene	0.7	0.00015 U	0.00015 U	0.00014 U	0.00016 U	0.00014 U	0.00014 U
trans-1,2-Dichloroethene	0.19	0.00014 U	0.00014 U	0.00013 U	0.00014 U	0.00013 U	0.00013 U
trans-1,3-Dichloropropene	NS	0.00011 U	0.00011 U	0.00010 U	0.00011 U	0.000099 U	0.00010 U
Trichloroethene	0.47	0.00013 U	0.00013 U	0.00012 U	0.00013 U	0.00012 U	0.00012 U
Trichlorofluoromethane	NS	0.00017 U	0.00017 U	0.00016 U	0.00018 U	0.00016 U	0.00016 U
Vinyl chloride	0.02	0.00036 U	0.00037 U	0.00034 U	0.00038 U	0.00034 U	0.00035 U
Xylenes, Total	1.6	0.00070 U	0.00072 U	0.00067 U	0.00074 U	0.00067 U	0.00068 U

Table 2: Summary of Analytical Results - Soil Boring (Monitoring Well) Soil Samples [1]
429 Merrick Road, Lynbrook, NY 11563 (Nu-Life Realty, LLC)

Sample ID	Probable NYSDEC Soil Cleanup Objective [2]	B-1A	B-1B	B-2A		B-2B		B-3A	B-3B
Lab Sample No.		460-00036752-001	460-00036752-002	460-00036752-003		460-00036752-004		460-00036752-005	460-00036752-006
Sampling Date		2/9/2012	2/9/2012	2/10/2012		2/10/2012		2/9/2012	2/9/2012
Dilution Factor		1	1	1		1		1	1
Units		mg/kg	mg/kg	mg/kg		mg/kg		mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)									
Acenaphthene	100	Not Sampled	Not Sampled	0.051	U	0.061	U	Not Sampled	Not Sampled
Anthracene	100	Not Sampled	Not Sampled	0.043	U	0.051	U	Not Sampled	Not Sampled
Benzo[a]anthracene	1.0	Not Sampled	Not Sampled	0.056		0.0029	U	Not Sampled	Not Sampled
Benzo[a]pyrene	1.0	Not Sampled	Not Sampled	0.051		0.003	U	Not Sampled	Not Sampled
Benzo[b]fluoranthene	1.0	Not Sampled	Not Sampled	0.077		0.0027	U	Not Sampled	Not Sampled
Benzo[g,h,i]perylene	100	Not Sampled	Not Sampled	0.046	J	0.031	U	Not Sampled	Not Sampled
Benzo[k]fluoranthene	0.8	Not Sampled	Not Sampled	0.033	J	0.0032	U	Not Sampled	Not Sampled
Chrysene	1.0	Not Sampled	Not Sampled	0.095	J	0.049	U	Not Sampled	Not Sampled
Dibenz(a,h)anthracene	0.33	Not Sampled	Not Sampled	0.0045	U	0.0053	U	Not Sampled	Not Sampled
Fluoranthene	100	Not Sampled	Not Sampled	0.19	J	0.056	U	Not Sampled	Not Sampled
Fluorene	30	Not Sampled	Not Sampled	0.045	U	0.054	U	Not Sampled	Not Sampled
Indeno[1,2,3-cd]pyrene	0.5	Not Sampled	Not Sampled	0.038		0.0078	U	Not Sampled	Not Sampled
Naphthalene	12	Not Sampled	Not Sampled	0.041	U	0.049	U	Not Sampled	Not Sampled
Phenanthrene	100	Not Sampled	Not Sampled	0.13	J	0.054	U	Not Sampled	Not Sampled
Pyrene	100	Not Sampled	Not Sampled	0.17	J	0.035	U	Not Sampled	Not Sampled

Notes:

NS: There are no standards (SCOs) for these constituents.

*: Recovery or RPD exceeds control limits

B: Compound was found in the blank and sample.

H: Sample was prepped or analyzed beyond the specified holding time

J: Result is less than the Reporting Limit (RL) but greater than or equal to the Method Detection Limit (MDL) and the concentration is an

U: Indicates the analyte was analyzed for but not detected.

1. These are the results of the laboratory analyses of soil samples collected approximately the soil borings advanced during installation of the groundwater monitoring wells at 429 Merrick Road i.e., Choi Cleaners, d/b/a Tony's Cleaners. Two soil samples were collected at each well location; one soil sample was collected at a depth near the water table and the second sample was collected between the ground surface and the water table.

2. These are the New York State Department of Environmental Conservation (NYSDEC) Soil Cleanup Objectives (SCOs) for the Protection of Groundwater as defined in: (1) 6 NYCRR Part 375, Table 375-8.6(b); and (2) Commissioner's Policy No. 51 (CP-51), Soil Cleanup Guidance (October 21, 2010).

17 = Indicates that the constituent was detected at a concentration above the Probable NYSDEC SCO listed for the constituent (see note 2). **No constituents were detected in these samples at concentrations above the NYSDEC SCOs.**


Ice Ice Baby
Italian Ices
Tel: (516) 589-5702
Tony's Cleaners
Dry Cleaning & Tailoring
Same Day Service
Tel. 599-3583
Fax. 256-0364
439
437
LEMON ICE KING OF CORONA
CLEANERS
OPEN
FRESH
HOT PIZZA
Now Serving
Italian Ices
12/12/2011


Sac a Suds LAUNDROMAT
441
LYNBROOK
Ice Ice Baby
Italian Ices
Tony's
Dry Cleanin
Same Day Service
12/12/2011


KITCHEN GREASE ONLY
12/12/2011

ACTION
REMEDIATION CO., INC.
3010 BURNS AVENUE
WANTAGH, NY 11793
www.actionhazmat.com

TEL: 516-781-3000
FAX: 516-781-5026

INVOICE

Date: 08/02/12
Inv. No.: **5370**
Due Date:
Page No.:

Bill To:

NuLife Realty, LLC
P.O. Box 302
Roslyn, NY 11576

JOB SITE
Liberty Plaza
429-441 Merrick Road
Merrick, NY 11566

REFERENCE	TERMS	YOUR #	OUR #	SALES REP
NULIFE	(516) 330-3459	Net 30	5370	FRANK DEGRAZ

DESCRIPTION / REFERENCE	UNIT MEASURE	QUANTITY	UNIT PRICE / ITEM DISCOUNT	EXTENDED PRICE
Transported and Disposed of Liquids at DPW - 2,000.0 Gallons	2000		0.19	380.00
Supplied Tanker Truck with Operator (if onsite past 2 hours) - 3.0 Hours	3		90.00	270.00
Supplied Vacuum Loader and Operator - 1 Day	1		1895.00	1895.00
Supplied Service Truck, Tools, Labor and Bobcat - 1 Day	1		675.00	675.00
Facility Approval Fee	1		150.00	150.00
Transportation to the Facility - 1 Load	1		375.00	375.00
Septic Solids				
High Moisture Solids (containing metals) - 12.68 Tons	12.68		185.00	2345.80
Nassau County Department of Health Fee	1		125.00	125.00
Re-Sand the Drywells - 10 Yards	10		32.00	320.00
Bobcat, Operator and Attachments - 1 Day	1		625.00	625.00
Analytical Testing	1		550.00	550.00

SUB TOTAL	7710.80
TAX	665.06
TOTAL	8375.86
NET TO PAY	

Residuals Management Services, Inc . d/b/a EarthCare

GENERATOR'S WASTE PROFILE REPORT

A. WASTE GENERATION LOCATION / IDENTIFICATION:

GENERATOR USEPA I.D: CESQG

GENERATOR NAME: LIBERTY PLAZA

GENERATOR'S STREET ADDRESS: 429 MERRICK ROAD

TOWN, ZIP CODE: LYNBROOK, N.Y. 11563

GENERATOR'S PHONE NUMBER: 516 330-3459

GENERATOR CONTACT NAME: HOWARD Zuckerman

NAME OF WASTE: DRYWELL

WASTE CODE: N816

N.Y.S. SPILL NUMBER: N/A

WASTE GENERATED BY: MAINTENANCE XX MUNICIPAL REQUIREMENT ___

ANALYTICAL ATTACHED: YES XX NO ___

ANALYTICAL DONE BY: BROCKERHOFF / L.I. ANALYTICAL

WASTE STRUCTURE: DRYWELL #1

R.M.S. / EarthCare OFFICE USE ONLY

PROFILE SERIAL NUMBER: 12-586

REVIEWED BY: Robert E. Fleischman DATE: 7.16.12

REVIEWED BY: [signature] 7/16/12

APPROVED: ___ REJECTED: ___ APPROVAL CODE: AEC-04

B. VENDOR PROFILE COMPLETED BY:

COMPANY NAME: ACTION TRUCKING, CO. INC.

STREET ADDRESS: 3010 BURNS AVENUE

TOWN, ZIP CODE: WANTAGH, N.Y. 11793

PHONE NUMBER: (516) 781-3000

FAX NUMBER: (516) 781-5026

CONTACT NAME: FRANK DEGRAZIA

C. PHYSICAL CHARACTERISTICS OF WASTE:

PHYSICAL STATE AT 70°F:

SOLID: ___ SEMI-SOLID: X POWDER: ___ LIQUID: ___

VISUAL COLOR: BLACK

ODOR: NONE: ___ MILD: XX STRONG: ___

DESCRIBE: ORGANIC

D. SHIPPING INFORMATION:

D.O.T. HAZARDOUS MATERIAL? ___ YES XX NO

PROPER SHIPPING NAME: NON D.O.T.; NON HAZARDOUS WASTE

HAZARD CLASS: NONE

I.D. Number: ___

METHOD OF SHIPMENT:

BULK SOLID XXX BULK LIQUID ___ DRUMS ___

ANTICIPATED VOLUME:

GALS. ___ CUBIC YDS. 12 TONS ___

DELIVERY SCHEDULE:

ONE TIME: X WEEK(S): ___ MONTH(S): ___

QUARTER(S): ___ YEAR: ___

E. METALS:

	Total (PPM)	TCLP
ARSENIC (As) SW 846 7060	3.7	
BARIUM (Ba) 40 CFR part 136 200.7	0.0	
CADMIUM (Cd) 40 CFR part 136 200.7	0.52	
CHROMIUM (Cr) 40 CFR part 136 200.7	40.3	
MERCURY (Hg) SW 846 7470	0.13	
LEAD (Pb) 40 CFR 7421	574	<0.05
IRON (Fe) 40 CFR part 136 200.7		

EPA EXTRACTION PROCEDURE (mg/l)

	Total (PPM)	TCLP
SELENIUM (Se) SW 846 7740	0.00	
SILVER (Ag) 40 CFR part 136 200.7	0.00	
COPPER (Cu) 40 CFR 136 200.7	2210	
NICKEL (Ni) 40 CFR part 136 200.7	31.7	
ZINC (Zn) 40 CFR part 136 200.7	832	
CHROMIUM HEX (CR+6) 40 CFR part 136 200.7		

F. CERTIFICATION:

I ACKNOWLEDGE THAT APPROVAL FOR THIS WASTE PROFILE WILL BE BASED SOLELY ON THE INFORMATION SUPPLIED, AND I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS PROFILE AND ALL ATTACHED DOCUMENTS, ARE COMPLETE AND ACCURATE AND THAT ALL KNOWN OR SUSPECTED HAZARDOUS MATERIALS HAVE BEEN DISCLOSED.

COMPANY NAME (PRINT): ACTION REMEDIATION, INC.

AUTHORIZED PERSON (PRINT): FRANK DEGRAZIA

SUBMITTED BY (SIGNATURE): [signature]

TITLE (PRINT): AGENT FOR GENERATOR

SUBMITTED DATE: 7 / 2 / 12

ClearBrook Work Order

"We make it easy!"

Site #	[illegible]
WO #	[illegible]
Date	7/24/[illegible]
PO #	
Office 631.586.0002	Toll Free 888.753.7246

BIC# 1272 [illegible]

Name [illegible]	Phone [illegible]	Truck # [illegible]
Street [illegible]	Cross Street	
City & Zip [illegible]	CB Tech. Name [illegible]	CB Helper Name
Bill To	Bill To Street	Bill To City & Zip

Wastewater Pumped: Gallons 2,000gals. — ***Pumping Total $***

- ☐ Cesspool
- ☐ Greasetrap ☐ GT Preventive Maintenance Est Brown Qty ____
- ☐ Septic Tank ☐ Septic Preventive Maintenance
- ☐ STP ☐ **Addtl Service Rec. Type(s)** ____
- ☐ Frac Tank ☐ **Follow Up Requested** ____
- ☐ Precast ☐ Block Depth Diameter

Service Notes [illegible]

Drainage Restoration Service: — ***DRS Totals*** $

- ☐ AERATION Qty ____
- ☐ CHEMICAL Per Pool ____ Total Gal. ____
- ☐ BACTERIA Case ____
- ☐ # of Pools ____

Service Notes

Drain Line Cleaning — ***DLC Totals $***

- ☐ Roto Rooting Size of Machine ____ Hours ____
- ☐ Main line trap - In
- ☐ Main line trap - out
- ☐ Sink line
- ☐ Tub line
- ☐ Branch line ☐ 2" ☐ 3" ☐ 4" ☐ 6" ☐ Other ____
- ☐ Sewer Jet Svc Hours ____

Service Notes

Other Services Sub Total — ***OS Totals $***

- ☐ Toilet Removal & ReSet (does not include line cleaning) $ ____
- ☐ Trap Replacement $ ____
- ☐ Trap Cap ☐ 2" ☐ 3" ☐ 4" $ ____
- ☐ Truck Time Hours ____ $ ____
- ☐ Additional Labor Hours ____ $ ____
- ☐ Materials $ ____
- ☐ Back Flushing $ ____

Service Notes

Recommendations	**By:**
Follow Up Assigned To:	

Sub Total	
Fuel	
Tax	
Total	
Tax Rate	

Time In: [illegible]	**Time Out:** [illegible]	**Standy By Time:**
		Check #
		Cash Amount $

I acknowledge and agree with the terms and conditions on the reverse side of Work Order

Signature [illegible signature] Date 7/24/[illegible] Print Name:

Name on Credit Card ____ Exp. Date ____ SSV Code ____ Charge Amount $____

CC Billing Address: ____ City/State/Zip ____ Card Type

Form 12[illegible]

APPENDIX E

LABORATORY REPORTS

AMERICAN ANALYTICAL LABORATORIES

NYSDOH 11418
NJDEP NY050
CTDOH PH-0205
PADEP 68-00573

Wednesday, August 22, 2012

Paul P. Stewart
Advanced Cleanup Technologies, Inc.
960 So. Broadway, Suite 100
Hicksville, NY 11801

TEL: (516) 933-0655
FAX (516) 933-0659

RE: 429 Merrick Rd., Lynbrook, NY (ACT #704

Order No.: 1208150

Dear Paul P. Stewart:

American Analytical Laboratories, LLC. received 9 sample(s) on 8/16/2012 for the analyses presented in the following report.

Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report.

The results reported herein relate only to the items tested or to the samples as received by the laboratory. This report may not be reproduced, except in full, without the approval of American Analytical Laboratories, LLC and is not considered complete without a cover page and chain of custody documentation. The limits (LOQ) provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

There were no problems with the analyses and all data for associated QC met laboratory specifications. If there are any exceptions a Case Narrative is provided in the report or the data is qualified either on the sample results or in the QC section of the report. This package has been reviewed by American Analytical Laboratories' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. This report consists of 57 pages.

If you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at lbeyer@american-analytical.com.

Sincerely,

LaBeyer

Lori Beyer
Lab Director

American Analytical Laboratories, LLC.

Date: *22-Aug-12*

CLIENT: Advanced Cleanup Technologies, Inc.
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L
Lab Order: 1208150

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date Collected	Date Received
1208150-01A	SB-1 (2-3')	8/15/2012 9:00:00 AM	8/16/2012
1208150-02A	SB-1 (9-10')	8/15/2012 11:00:00 AM	8/16/2012
1208150-03A	SB-2 (0-3')	8/15/2012 12:00:00 PM	8/16/2012
1208150-04A	SB-2 (9-11')	8/15/2012 1:00:00 PM	8/16/2012
1208150-05A	SB-3 (0-3')	8/15/2012 2:00:00 PM	8/16/2012
1208150-06A	SB-3 (9-11')	8/15/2012 3:00:00 PM	8/16/2012
1208150-07A	TW-1	8/15/2012 4:00:00 PM	8/16/2012
1208150-08A	TW-2	8/15/2012 5:00:00 PM	8/16/2012
1208150-09A	TW-3	8/15/2012 6:00:00 PM	8/16/2012

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027
www.american-analytical.com

NYSDOH	11418
CTDOH	PH-0205
NJDEP	NY050
PADEP	68-573

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS
Advanced Cleanup Technologies
960 South Broadway #100
Hicksville, NY 11801

CONTACT: Paul Stewart

SAMPLER (SIGNATURE): Steven Walls/APS

SAMPLER NAME (PRINT): Steven Walls

SAMPLE(S) SEALED: YES / NO

CORRECT CONTAINER(S): YES / NO

TEMPERATURE (° C): 5.7

PROJECT LOCATION:
429 Merrick Rd, Lynbrook, NY (Act#7045LBNY)

LABORATORY ID# LAB USE ONLY	MATRIX/ TYPE	NO. OF CONTAINERS	SAMPLING DATE	SAMPLING TIME	SAMPLE # - LOCATION	ANALYSIS REQUIRED: EPA 8260
1208150-01A	S	2	8/15	9am	SB-1 (2-3')	X
02A	S	2		11am	SB-1 (9-10')	X
03A	S	2		12m	SB-2 (0-3')	X
04A	S	2		1pm	SB-2 (9-11')	X
05A	S	2		2pm	SB-3 (0-3')	X
06A	S	2		3pm	SB-3 (9-11')	X
07A	W	2		4pm	TW-1	X
08A	W	2		5pm	TW-2	X
09A	W	2		6pm	TW-3	X

COMMENTS / INSTRUCTIONS

Samples must be on ICE (<6° C)

MATRIX S=SOIL; W=WATER; SL=SLUDGE; A=AIR; M=MISCELLANEOUS
TYPE G=GRAB; C=COMPOSITE

TURNAROUND REQUIRED
STANDARD ☑ (7-10 business days) STAT ☐ BY / /

E-MAIL ADDRESS FOR RESULTS:

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
	8/16 1930	Paul Stewart		8/16/12 1230	Cate Ferrara
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

WHITE-OFFICE / CANARY-LAB / PINK-SAMPLE CUSTODIAN / GOLDENROD-CLIENT

American Analytical Laboratories, LLC.

Sample Receipt Checklist

Client Name **ADVANCED CLEANUP TECH** Date and Time Receive **8/16/2012 12:46:44 PM**

Work Order Numbe **1208150** RcptNo: **1** Received by **CF**

COC_ID: CoolerID:

Checklist completed b Signature 8/16/12 Date Reviewed by Initials 8/16/12 Date

Matrix Carrier name Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Presen ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Presen ☑
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?	No VOA vials submitted ☐	Yes ☑	No ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐

Adjusted? Checked b

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted Date contacted: Person contacted

Contacted by: Regarding

Comments:

Corrective Action

American Analytical Laboratories, LLC. **Date:** *22-Aug-12*

CLIENT: Advanced Cleanup Technologies, Inc.
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L
Lab Order: 1208150

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846 as detailed throughout the text of the report.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives with exceptions notated in this Narrative discussion and/or in the QC Summary Section of the lab report with appropriate qualifiers.

Additional quality control information such as surrogate recovery values for organic testing is provided as part of the analytical results.

The test results meet the requirements of the NYSDOH and NELAC standards, except where noted. The information contained in this analytical reports is the sole property of American Analytical Laboratories, LLC. or the client for which this report was issued. The results contained in this report are only representative of the samples received. The sample receipt checklist is included as part of this lab report. Conditions can vary at different times and at different sampling conditions. American Analytical is not responsible for the use or interpretation of the data included herein.

Lori Beyer
Laboratory Director

American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	SB-1 (2-3')
Lab Order:	1208150	**Collection Date:**	8/15/2012 9:00:00 AM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	SOIL
Lab ID:	1208150-01A		

Certificate of Results

Analyses	Sample Result		LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE				D2216				Analyst: CF
Percent Moisture	7.06		0	0		wt%	1	8/17/2012
VOLATILE SW-846 METHOD 8260				SW8260C				Analyst: LA
1,1,1,2-Tetrachloroethane		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
1,1,1-Trichloroethane		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
1,1,2,2-Tetrachloroethane		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
1,1,2-Trichloroethane		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
1,1-Dichloroethane		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
1,1-Dichloroethene		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
1,1-Dichloropropene		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
1,2,3-Trichlorobenzene		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
1,2,3-Trichloropropane		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
1,2,4,5-Tetramethylbenzene		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
1,2,4-Trichlorobenzene		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
1,2,4-Trimethylbenzene		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
1,2-Dibromo-3-chloropropane		U	0.53	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
1,2-Dibromoethane		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
1,2-Dichlorobenzene		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
1,2-Dichloroethane		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
1,2-Dichloropropane		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
1,3,5-Trimethylbenzene		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
1,3-Dichlorobenzene		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
1,3-dichloropropane		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
1,4-Dichlorobenzene		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
1,4-Dioxane		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
2,2-Dichloropropane		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
2-Butanone		U	1.33	5.3		µg/Kg-dry	1	8/16/2012 10:36:00 PM
2-Chloroethyl vinyl ether		U	0.53	2.1	C	µg/Kg-dry	1	8/16/2012 10:36:00 PM
2-Chlorotoluene		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
2-Hexanone		U	1.33	5.3		µg/Kg-dry	1	8/16/2012 10:36:00 PM
2-Propanol		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
4-Chlorotoluene		U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM

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ACCREDITED IN ACCORDANCE WITH nelac

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	SB-1 (2-3')
Lab Order:	1208150	**Collection Date:**	8/15/2012 9:00:00 AM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	SOIL
Lab ID:	1208150-01A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
4-Isopropyltoluene	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
4-Methyl-2-pentanone	U	1.33	5.3		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Acetone	U	1.33	5.3		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Acrolein	U	5.32	11		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Acrylonitrile	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Benzene	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Bromobenzene	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Bromochloromethane	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Bromodichloromethane	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Bromoform	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Bromomethane	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Carbon disulfide	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Carbon tetrachloride	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Chlorobenzene	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Chlorodifluoromethane	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Chloroethane	U	0.27	2.1	C	µg/Kg-dry	1	8/16/2012 10:36:00 PM
Chloroform	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Chloromethane	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
cis-1,2-Dichloroethene	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
cis-1,3-Dichloropropene	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Dibromochloromethane	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Dibromomethane	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Dichlorodifluoromethane	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Diisopropyl ether	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Ethanol	U	2.66	5.3		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Ethyl acetate	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Ethylbenzene	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Freon-114	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Hexachlorobutadiene	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Isopropyl acetate	U	1.06	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Isopropylbenzene	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
m,p-Xylene	U	0.53	4.3		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Methyl Acetate	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM

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Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	SB-1 (2-3')
Lab Order:	1208150	**Collection Date:**	8/15/2012 9:00:00 AM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	SOIL
Lab ID:	1208150-01A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C				Analyst: LA
Methyl tert-butyl ether	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Methylene chloride	7.7	0.27	2.1	B	µg/Kg-dry	1	8/16/2012 10:36:00 PM
n-Amyl acetate	U	0.27	2.1	C	µg/Kg-dry	1	8/16/2012 10:36:00 PM
Naphthalene	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
n-Butyl acetate	U	0.27	2.1	C	µg/Kg-dry	1	8/16/2012 10:36:00 PM
n-Butylbenzene	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
n-Propyl acetate	U	0.53	2.1	C	µg/Kg-dry	1	8/16/2012 10:36:00 PM
n-Propylbenzene	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
o-Xylene	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
p-Diethylbenzene	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
p-Ethyltoluene	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
sec-Butylbenzene	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Styrene	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
t-Butyl alcohol	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
tert-Butylbenzene	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Tetrachloroethene	19	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Toluene	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
trans-1,2-Dichloroethene	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
trans-1,3-Dichloropropene	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Trichloroethene	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Trichlorofluoromethane	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Vinyl acetate	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Vinyl chloride	U	0.27	2.1		µg/Kg-dry	1	8/16/2012 10:36:00 PM
Surr: 4-Bromofluorobenzene	96.4	0	42-133		%REC	1	8/16/2012 10:36:00 PM
Surr: Dibromofluoromethane	95.0	0	50-133		%REC	1	8/16/2012 10:36:00 PM
Surr: Toluene-d8	102	0	53-130		%REC	1	8/16/2012 10:36:00 PM

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Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	SB-1 (9-10')
Lab Order:	1208150	**Collection Date:**	8/15/2012 11:00:00 AM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	SOIL
Lab ID:	1208150-02A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE			**D2216**				Analyst: **CF**
Percent Moisture	11.6	0	0		wt%	1	8/17/2012
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
1,1,1,2-Tetrachloroethane	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
1,1,1-Trichloroethane	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
1,1,2,2-Tetrachloroethane	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
1,1,2-Trichloroethane	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
1,1-Dichloroethane	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
1,1-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
1,1-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
1,2,3-Trichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
1,2,3-Trichloropropane	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
1,2,4,5-Tetramethylbenzene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
1,2,4-Trichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
1,2,4-Trimethylbenzene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
1,2-Dibromo-3-chloropropane	U	0.56	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
1,2-Dibromoethane	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
1,2-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
1,2-Dichloroethane	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
1,2-Dichloropropane	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
1,3,5-Trimethylbenzene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
1,3-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
1,3-dichloropropane	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
1,4-Dichlorobenzene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
1,4-Dioxane	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
2,2-Dichloropropane	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
2-Butanone	U	1.4	5.6		µg/Kg-dry	1	8/16/2012 11:00:00 PM
2-Chloroethyl vinyl ether	U	0.56	2.2	C	µg/Kg-dry	1	8/16/2012 11:00:00 PM
2-Chlorotoluene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
2-Hexanone	U	1.4	5.6		µg/Kg-dry	1	8/16/2012 11:00:00 PM
2-Propanol	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
4-Chlorotoluene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM

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PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	SB-1 (9-10')
Lab Order:	1208150	**Collection Date:**	8/15/2012 11:00:00 AM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	SOIL
Lab ID:	1208150-02A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
4-Isopropyltoluene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
4-Methyl-2-pentanone	U	1.4	5.6		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Acetone	U	1.4	5.6		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Acrolein	U	5.58	11		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Acrylonitrile	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Benzene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Bromobenzene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Bromochloromethane	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Bromodichloromethane	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Bromoform	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Bromomethane	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Carbon disulfide	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Carbon tetrachloride	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Chlorobenzene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Chlorodifluoromethane	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Chloroethane	U	0.28	2.2	C	µg/Kg-dry	1	8/16/2012 11:00:00 PM
Chloroform	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Chloromethane	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
cis-1,2-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
cis-1,3-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Dibromochloromethane	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Dibromomethane	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Dichlorodifluoromethane	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Diisopropyl ether	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Ethanol	U	2.79	5.6		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Ethyl acetate	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Ethylbenzene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Freon-114	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Hexachlorobutadiene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Isopropyl acetate	U	1.12	2.2	C	µg/Kg-dry	1	8/16/2012 11:00:00 PM
Isopropylbenzene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
m,p-Xylene	U	0.56	4.5		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Methyl Acetate	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM

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ACCREDITED IN ACCORDANCE WITH nelac

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LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	SB-1 (9-10')
Lab Order:	1208150	**Collection Date:**	8/15/2012 11:00:00 AM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	SOIL
Lab ID:	1208150-02A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Methyl tert-butyl ether	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Methylene chloride	8.1	0.28	2.2	B	µg/Kg-dry	1	8/16/2012 11:00:00 PM
n-Amyl acetate	U	0.28	2.2	C	µg/Kg-dry	1	8/16/2012 11:00:00 PM
Naphthalene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
n-Butyl acetate	U	0.28	2.2	C	µg/Kg-dry	1	8/16/2012 11:00:00 PM
n-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
n-Propyl acetate	U	0.56	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
n-Propylbenzene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
o-Xylene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
p-Diethylbenzene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
p-Ethyltoluene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
sec-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Styrene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
t-Butyl alcohol	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
tert-Butylbenzene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Tetrachloroethene	1.9	0.28	2.2	J	µg/Kg-dry	1	8/16/2012 11:00:00 PM
Toluene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
trans-1,2-Dichloroethene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
trans-1,3-Dichloropropene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Trichloroethene	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Trichlorofluoromethane	U	0.28	2.2	C	µg/Kg-dry	1	8/16/2012 11:00:00 PM
Vinyl acetate	U	0.28	2.2	C	µg/Kg-dry	1	8/16/2012 11:00:00 PM
Vinyl chloride	U	0.28	2.2		µg/Kg-dry	1	8/16/2012 11:00:00 PM
Surr: 4-Bromofluorobenzene	99.0	0	42-133		%REC	1	8/16/2012 11:00:00 PM
Surr: Dibromofluoromethane	96.4	0	50-133		%REC	1	8/16/2012 11:00:00 PM
Surr: Toluene-d8	99.5	0	53-130		%REC	1	8/16/2012 11:00:00 PM

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American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	SB-2 (0-3')
Lab Order:	1208150	**Collection Date:**	8/15/2012 12:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	SOIL
Lab ID:	1208150-03A		

Certificate of Results

Analyses	Sample Result		LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE				D2216				Analyst: CF
Percent Moisture	9.28		0	0		wt%	1	8/17/2012
VOLATILE SW-846 METHOD 8260				SW8260C				Analyst: LA
1,1,1,2-Tetrachloroethane		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
1,1,1-Trichloroethane		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
1,1,2,2-Tetrachloroethane		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
1,1,2-Trichloroethane		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
1,1-Dichloroethane		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
1,1-Dichloroethene		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
1,1-Dichloropropene		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
1,2,3-Trichlorobenzene		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
1,2,3-Trichloropropane		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
1,2,4,5-Tetramethylbenzene		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
1,2,4-Trichlorobenzene		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
1,2,4-Trimethylbenzene		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
1,2-Dibromo-3-chloropropane		U	0.55	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
1,2-Dibromoethane		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
1,2-Dichlorobenzene		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
1,2-Dichloroethane		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
1,2-Dichloropropane		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
1,3,5-Trimethylbenzene		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
1,3-Dichlorobenzene		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
1,3-dichloropropane		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
1,4-Dichlorobenzene		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
1,4-Dioxane		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
2,2-Dichloropropane		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
2-Butanone		U	1.37	5.5		µg/Kg-dry	1	8/16/2012 11:23:00 PM
2-Chloroethyl vinyl ether		U	0.55	2.2	C	µg/Kg-dry	1	8/16/2012 11:23:00 PM
2-Chlorotoluene		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
2-Hexanone		U	1.37	5.5		µg/Kg-dry	1	8/16/2012 11:23:00 PM
2-Propanol		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
4-Chlorotoluene		U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM

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American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	SB-2 (0-3')
Lab Order:	1208150	**Collection Date:**	8/15/2012 12:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	SOIL
Lab ID:	1208150-03A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
4-Isopropyltoluene	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
4-Methyl-2-pentanone	U	1.37	5.5		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Acetone	U	1.37	5.5		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Acrolein	U	5.47	11		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Acrylonitrile	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Benzene	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Bromobenzene	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Bromochloromethane	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Bromodichloromethane	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Bromoform	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Bromomethane	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Carbon disulfide	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Carbon tetrachloride	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Chlorobenzene	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Chlorodifluoromethane	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Chloroethane	U	0.27	2.2	C	µg/Kg-dry	1	8/16/2012 11:23:00 PM
Chloroform	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Chloromethane	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
cis-1,2-Dichloroethene	0.85	0.27	2.2	J	µg/Kg-dry	1	8/16/2012 11:23:00 PM
cis-1,3-Dichloropropene	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Dibromochloromethane	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Dibromomethane	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Dichlorodifluoromethane	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Diisopropyl ether	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Ethanol	U	2.73	5.5		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Ethyl acetate	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Ethylbenzene	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Freon-114	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Hexachlorobutadiene	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Isopropyl acetate	U	1.09	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Isopropylbenzene	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
m,p-Xylene	U	0.55	4.4		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Methyl Acetate	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM

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American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	SB-2 (0-3')
Lab Order:	1208150	**Collection Date:**	8/15/2012 12:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	SOIL
Lab ID:	1208150-03A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C				Analyst: LA
Methyl tert-butyl ether	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Methylene chloride	7.9	0.27	2.2	B	µg/Kg-dry	1	8/16/2012 11:23:00 PM
n-Amyl acetate	U	0.27	2.2	C	µg/Kg-dry	1	8/16/2012 11:23:00 PM
Naphthalene	0.37	0.27	2.2	J	µg/Kg-dry	1	8/16/2012 11:23:00 PM
n-Butyl acetate	U	0.27	2.2	C	µg/Kg-dry	1	8/16/2012 11:23:00 PM
n-Butylbenzene	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
n-Propyl acetate	U	0.55	2.2	C	µg/Kg-dry	1	8/16/2012 11:23:00 PM
n-Propylbenzene	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
o-Xylene	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
p-Diethylbenzene	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
p-Ethyltoluene	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
sec-Butylbenzene	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Styrene	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
t-Butyl alcohol	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
tert-Butylbenzene	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Tetrachloroethene	1200	34.2	270		µg/Kg-dry	125	8/17/2012 12:17:00 PM
Toluene	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
trans-1,2-Dichloroethene	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
trans-1,3-Dichloropropene	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Trichloroethene	2.4	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Trichlorofluoromethane	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Vinyl acetate	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Vinyl chloride	U	0.27	2.2		µg/Kg-dry	1	8/16/2012 11:23:00 PM
Surr: 4-Bromofluorobenzene	97.6	0	42-133		%REC	125	8/17/2012 12:17:00 PM
Surr: 4-Bromofluorobenzene	97.3	0	42-133		%REC	1	8/16/2012 11:23:00 PM
Surr: Dibromofluoromethane	95.5	0	50-133		%REC	1	8/16/2012 11:23:00 PM
Surr: Dibromofluoromethane	100	0	50-133		%REC	125	8/17/2012 12:17:00 PM
Surr: Toluene-d8	102	0	53-130		%REC	125	8/17/2012 12:17:00 PM
Surr: Toluene-d8	100	0	53-130		%REC	1	8/16/2012 11:23:00 PM

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Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	SB-2 (9-11')
Lab Order:	1208150	**Collection Date:**	8/15/2012 1:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	SOIL
Lab ID:	1208150-04A		

Certificate of Results

Analyses	Sample Result		LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE				**D2216**				Analyst: **CF**
Percent Moisture	98.9		0	0		wt%	1	8/17/2012
VOLATILE SW-846 METHOD 8260				**SW8260C**				Analyst: **LA**
1,1,1,2-Tetrachloroethane		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
1,1,1-Trichloroethane		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
1,1,2,2-Tetrachloroethane		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
1,1,2-Trichloroethane		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
1,1-Dichloroethane		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
1,1-Dichloroethene		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
1,1-Dichloropropene		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
1,2,3-Trichlorobenzene		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
1,2,3-Trichloropropane		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
1,2,4,5-Tetramethylbenzene		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
1,2,4-Trichlorobenzene		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
1,2,4-Trimethylbenzene		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
1,2-Dibromo-3-chloropropane		U	47.6	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
1,2-Dibromoethane		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
1,2-Dichlorobenzene		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
1,2-Dichloroethane		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
1,2-Dichloropropane		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
1,3,5-Trimethylbenzene		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
1,3-Dichlorobenzene		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
1,3-dichloropropane		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
1,4-Dichlorobenzene		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
1,4-Dioxane		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
2,2-Dichloropropane		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
2-Butanone		U	119	480		µg/Kg-dry	1	8/16/2012 11:46:00 PM
2-Chloroethyl vinyl ether		U	47.6	190	C	µg/Kg-dry	1	8/16/2012 11:46:00 PM
2-Chlorotoluene		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
2-Hexanone		U	119	480		µg/Kg-dry	1	8/16/2012 11:46:00 PM
2-Propanol		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
4-Chlorotoluene		U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM

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American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	SB-2 (9-11')
Lab Order:	1208150	**Collection Date:**	8/15/2012 1:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	SOIL
Lab ID:	1208150-04A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
4-Isopropyltoluene	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
4-Methyl-2-pentanone	U	119	480		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Acetone	U	119	480		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Acrolein	U	476	950		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Acrylonitrile	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Benzene	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Bromobenzene	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Bromochloromethane	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Bromodichloromethane	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Bromoform	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Bromomethane	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Carbon disulfide	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Carbon tetrachloride	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Chlorobenzene	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Chlorodifluoromethane	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Chloroethane	U	23.8	190	C	µg/Kg-dry	1	8/16/2012 11:46:00 PM
Chloroform	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Chloromethane	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
cis-1,2-Dichloroethene	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
cis-1,3-Dichloropropene	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Dibromochloromethane	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Dibromomethane	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Dichlorodifluoromethane	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Diisopropyl ether	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Ethanol	U	238	480		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Ethyl acetate	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Ethylbenzene	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Freon-114	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Hexachlorobutadiene	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Isopropyl acetate	U	95.3	190	C	µg/Kg-dry	1	8/16/2012 11:46:00 PM
Isopropylbenzene	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
m,p-Xylene	U	47.6	380		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Methyl Acetate	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM

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American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	SB-2 (9-11')
Lab Order:	1208150	**Collection Date:**	8/15/2012 1:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	SOIL
Lab ID:	1208150-04A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Methyl tert-butyl ether	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Methylene chloride	740	23.8	190	B	µg/Kg-dry	1	8/16/2012 11:46:00 PM
n-Amyl acetate	U	23.8	190	C	µg/Kg-dry	1	8/16/2012 11:46:00 PM
Naphthalene	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
n-Butyl acetate	U	23.8	190	C	µg/Kg-dry	1	8/16/2012 11:46:00 PM
n-Butylbenzene	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
n-Propyl acetate	U	47.6	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
n-Propylbenzene	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
o-Xylene	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
p-Diethylbenzene	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
p-Ethyltoluene	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
sec-Butylbenzene	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Styrene	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
t-Butyl alcohol	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
tert-Butylbenzene	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Tetrachloroethene	520	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Toluene	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
trans-1,2-Dichloroethene	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
trans-1,3-Dichloropropene	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Trichloroethene	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Trichlorofluoromethane	U	23.8	190	C	µg/Kg-dry	1	8/16/2012 11:46:00 PM
Vinyl acetate	U	23.8	190	C	µg/Kg-dry	1	8/16/2012 11:46:00 PM
Vinyl chloride	U	23.8	190		µg/Kg-dry	1	8/16/2012 11:46:00 PM
Surr: 4-Bromofluorobenzene	101	0	42-133		%REC	1	8/16/2012 11:46:00 PM
Surr: Dibromofluoromethane	98.1	0	50-133		%REC	1	8/16/2012 11:46:00 PM
Surr: Toluene-d8	99.0	0	53-130		%REC	1	8/16/2012 11:46:00 PM

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American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	SB-3 (0-3')
Lab Order:	1208150	**Collection Date:**	8/15/2012 2:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	SOIL
Lab ID:	1208150-05A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE			**D2216**				Analyst: **CF**
Percent Moisture	4.04	0	0		wt%	1	8/17/2012
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
1,1,1,2-Tetrachloroethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
1,1,1-Trichloroethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
1,1,2,2-Tetrachloroethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
1,1,2-Trichloroethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
1,1-Dichloroethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
1,1-Dichloroethene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
1,1-Dichloropropene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
1,2,3-Trichlorobenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
1,2,3-Trichloropropane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
1,2,4,5-Tetramethylbenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
1,2,4-Trichlorobenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
1,2,4-Trimethylbenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
1,2-Dibromo-3-chloropropane	U	0.52	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
1,2-Dibromoethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
1,2-Dichlorobenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
1,2-Dichloroethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
1,2-Dichloropropane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
1,3,5-Trimethylbenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
1,3-Dichlorobenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
1,3-dichloropropane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
1,4-Dichlorobenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
1,4-Dioxane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
2,2-Dichloropropane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
2-Butanone	U	1.29	5.2		µg/Kg-dry	1	8/17/2012 12:09:00 AM
2-Chloroethyl vinyl ether	U	0.52	2.1	C	µg/Kg-dry	1	8/17/2012 12:09:00 AM
2-Chlorotoluene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
2-Hexanone	U	1.29	5.2		µg/Kg-dry	1	8/17/2012 12:09:00 AM
2-Propanol	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
4-Chlorotoluene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM

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American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	SB-3 (0-3')
Lab Order:	1208150	**Collection Date:**	8/15/2012 2:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	SOIL
Lab ID:	1208150-05A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
4-Isopropyltoluene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
4-Methyl-2-pentanone	U	1.29	5.2		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Acetone	U	1.29	5.2		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Acrolein	U	5.16	10		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Acrylonitrile	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Benzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Bromobenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Bromochloromethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Bromodichloromethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Bromoform	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Bromomethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Carbon disulfide	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Carbon tetrachloride	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Chlorobenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Chlorodifluoromethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Chloroethane	U	0.26	2.1	C	µg/Kg-dry	1	8/17/2012 12:09:00 AM
Chloroform	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Chloromethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
cis-1,2-Dichloroethene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
cis-1,3-Dichloropropene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Dibromochloromethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Dibromomethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Dichlorodifluoromethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Diisopropyl ether	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Ethanol	U	2.58	5.2		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Ethyl acetate	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Ethylbenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Freon-114	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Hexachlorobutadiene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Isopropyl acetate	U	1.03	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Isopropylbenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
m,p-Xylene	U	0.52	4.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Methyl Acetate	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM

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Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	SB-3 (0-3')
Lab Order:	1208150	**Collection Date:**	8/15/2012 2:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	SOIL
Lab ID:	1208150-05A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Methyl tert-butyl ether	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Methylene chloride	8.0	0.26	2.1	B	µg/Kg-dry	1	8/17/2012 12:09:00 AM
n-Amyl acetate	U	0.26	2.1	C	µg/Kg-dry	1	8/17/2012 12:09:00 AM
Naphthalene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
n-Butyl acetate	U	0.26	2.1	C	µg/Kg-dry	1	8/17/2012 12:09:00 AM
n-Butylbenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
n-Propyl acetate	U	0.52	2.1	C	µg/Kg-dry	1	8/17/2012 12:09:00 AM
n-Propylbenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
o-Xylene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
p-Diethylbenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
p-Ethyltoluene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
sec-Butylbenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Styrene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
t-Butyl alcohol	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
tert-Butylbenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Tetrachloroethene	6.8	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Toluene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
trans-1,2-Dichloroethene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
trans-1,3-Dichloropropene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Trichloroethene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Trichlorofluoromethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Vinyl acetate	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Vinyl chloride	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:09:00 AM
Surr: 4-Bromofluorobenzene	96.8	0	42-133		%REC	1	8/17/2012 12:09:00 AM
Surr: Dibromofluoromethane	101	0	50-133		%REC	1	8/17/2012 12:09:00 AM
Surr: Toluene-d8	101	0	53-130		%REC	1	8/17/2012 12:09:00 AM

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American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	SB-3 (9-11')
Lab Order:	1208150	**Collection Date:**	8/15/2012 3:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	SOIL
Lab ID:	1208150-06A		

Certificate of Results

Analyses	Sample Result		LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PERCENT MOISTURE				D2216				Analyst: CF
Percent Moisture	6.70		0	0		wt%	1	8/17/2012
VOLATILE SW-846 METHOD 8260				SW8260C				Analyst: LA
1,1,1,2-Tetrachloroethane		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
1,1,1-Trichloroethane		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
1,1,2,2-Tetrachloroethane		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethan		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
1,1,2-Trichloroethane		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
1,1-Dichloroethane		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
1,1-Dichloroethene		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
1,1-Dichloropropene		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
1,2,3-Trichlorobenzene		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
1,2,3-Trichloropropane		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
1,2,4,5-Tetramethylbenzene		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
1,2,4-Trichlorobenzene		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
1,2,4-Trimethylbenzene		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
1,2-Dibromo-3-chloropropane		U	0.53	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
1,2-Dibromoethane		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
1,2-Dichlorobenzene		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
1,2-Dichloroethane		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
1,2-Dichloropropane		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
1,3,5-Trimethylbenzene		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
1,3-Dichlorobenzene		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
1,3-dichloropropane		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
1,4-Dichlorobenzene		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
1,4-Dioxane		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
2,2-Dichloropropane		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
2-Butanone		U	1.32	5.3		µg/Kg-dry	1	8/17/2012 12:32:00 AM
2-Chloroethyl vinyl ether		U	0.53	2.1	C	µg/Kg-dry	1	8/17/2012 12:32:00 AM
2-Chlorotoluene		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
2-Hexanone		U	1.32	5.3		µg/Kg-dry	1	8/17/2012 12:32:00 AM
2-Propanol		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
4-Chlorotoluene		U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM

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American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	SB-3 (9-11')
Lab Order:	1208150	**Collection Date:**	8/15/2012 3:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	SOIL
Lab ID:	1208150-06A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
4-Isopropyltoluene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
4-Methyl-2-pentanone	U	1.32	5.3		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Acetone	U	1.32	5.3		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Acrolein	U	5.29	11		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Acrylonitrile	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Benzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Bromobenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Bromochloromethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Bromodichloromethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Bromoform	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Bromomethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Carbon disulfide	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Carbon tetrachloride	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Chlorobenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Chlorodifluoromethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Chloroethane	U	0.26	2.1	C	µg/Kg-dry	1	8/17/2012 12:32:00 AM
Chloroform	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Chloromethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
cis-1,2-Dichloroethene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
cis-1,3-Dichloropropene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Dibromochloromethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Dibromomethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Dichlorodifluoromethane	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Diisopropyl ether	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Ethanol	U	2.64	5.3		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Ethyl acetate	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Ethylbenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Freon-114	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Hexachlorobutadiene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Isopropyl acetate	U	1.06	2.1	C	µg/Kg-dry	1	8/17/2012 12:32:00 AM
Isopropylbenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
m,p-Xylene	U	0.53	4.2		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Methyl Acetate	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM

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American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	SB-3 (9-11')
Lab Order:	1208150	**Collection Date:**	8/15/2012 3:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	SOIL
Lab ID:	1208150-06A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Methyl tert-butyl ether	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Methylene chloride	8.0	0.26	2.1	B	µg/Kg-dry	1	8/17/2012 12:32:00 AM
n-Amyl acetate	U	0.26	2.1	C	µg/Kg-dry	1	8/17/2012 12:32:00 AM
Naphthalene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
n-Butyl acetate	U	0.26	2.1	C	µg/Kg-dry	1	8/17/2012 12:32:00 AM
n-Butylbenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
n-Propyl acetate	U	0.53	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
n-Propylbenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
o-Xylene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
p-Diethylbenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
p-Ethyltoluene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
sec-Butylbenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Styrene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
t-Butyl alcohol	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
tert-Butylbenzene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Tetrachloroethene	1.2	0.26	2.1	J	µg/Kg-dry	1	8/17/2012 12:32:00 AM
Toluene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
trans-1,2-Dichloroethene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
trans-1,3-Dichloropropene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Trichloroethene	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Trichlorofluoromethane	U	0.26	2.1	C	µg/Kg-dry	1	8/17/2012 12:32:00 AM
Vinyl acetate	U	0.26	2.1	C	µg/Kg-dry	1	8/17/2012 12:32:00 AM
Vinyl chloride	U	0.26	2.1		µg/Kg-dry	1	8/17/2012 12:32:00 AM
Surr: 4-Bromofluorobenzene	100	0	42-133		%REC	1	8/17/2012 12:32:00 AM
Surr: Dibromofluoromethane	98.6	0	50-133		%REC	1	8/17/2012 12:32:00 AM
Surr: Toluene-d8	104	0	53-130		%REC	1	8/17/2012 12:32:00 AM

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American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	TW-1
Lab Order:	1208150	**Collection Date:**	8/15/2012 4:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	LIQUID
Lab ID:	1208150-07A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
1,1,1,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
1,1,1-Trichloroethane	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
1,1,2,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
1,1,2-Trichloroethane	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
1,1-Dichloroethane	U	0.5	1.0		µg/L	1	8/16/2012 10:09:00 PM
1,1-Dichloroethene	3.4	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
1,1-Dichloropropene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
1,2,3-Trichlorobenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
1,2,3-Trichloropropane	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
1,2,4,5-Tetramethylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
1,2,4-Trichlorobenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
1,2,4-Trimethylbenzene	0.26	0.25	1.0	J	µg/L	1	8/16/2012 10:09:00 PM
1,2-Dibromo-3-chloropropane	U	0.5	2.0		µg/L	1	8/16/2012 10:09:00 PM
1,2-Dibromoethane	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
1,2-Dichlorobenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
1,2-Dichloroethane	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
1,2-Dichloropropane	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
1,3,5-Trimethylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
1,3-Dichlorobenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
1,3-dichloropropane	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
1,4-Dichlorobenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
1,4-Dioxane	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
2,2-Dichloropropane	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
2-Butanone	U	1.25	2.5		µg/L	1	8/16/2012 10:09:00 PM
2-Chloroethyl vinyl ether	U	0.5	1.0		µg/L	1	8/16/2012 10:09:00 PM
2-Chlorotoluene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
2-Hexanone	U	1.25	2.5		µg/L	1	8/16/2012 10:09:00 PM
2-Propanol	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
4-Chlorotoluene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
4-Isopropyltoluene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
4-Methyl-2-pentanone	U	1.25	2.5		µg/L	1	8/16/2012 10:09:00 PM
Acetone	U	1.25	5.0		µg/L	1	8/16/2012 10:09:00 PM

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	TW-1
Lab Order:	1208150	**Collection Date:**	8/15/2012 4:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	LIQUID
Lab ID:	1208150-07A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Acrolein	U	5	10		µg/L	1	8/16/2012 10:09:00 PM
Acrylonitrile	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Benzene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Bromobenzene	U	0.5	1.0		µg/L	1	8/16/2012 10:09:00 PM
Bromochloromethane	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Bromodichloromethane	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Bromoform	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Bromomethane	U	0.25	1.0	C	µg/L	1	8/16/2012 10:09:00 PM
Carbon disulfide	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Carbon tetrachloride	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Chlorobenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Chlorodifluoromethane	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Chloroethane	U	0.25	1.0	C	µg/L	1	8/16/2012 10:09:00 PM
Chloroform	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Chloromethane	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
cis-1,2-Dichloroethene	460	2.5	10		µg/L	10	8/17/2012 2:29:00 PM
cis-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Dibromochloromethane	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Dibromomethane	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Dichlorodifluoromethane	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Diisopropyl ether	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Ethanol	U	2.5	5.0		µg/L	1	8/16/2012 10:09:00 PM
Ethyl acetate	U	0.5	1.0		µg/L	1	8/16/2012 10:09:00 PM
Ethylbenzene	0.31	0.25	1.0	J	µg/L	1	8/16/2012 10:09:00 PM
Freon-114	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Hexachlorobutadiene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Isopropyl acetate	U	1	2.0		µg/L	1	8/16/2012 10:09:00 PM
Isopropylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
m,p-Xylene	1.2	0.5	2.0	J	µg/L	1	8/16/2012 10:09:00 PM
Methyl Acetate	U	0.5	2.0		µg/L	1	8/16/2012 10:09:00 PM
Methyl tert-butyl ether	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Methylene chloride	5.4	0.25	1.0	B	µg/L	1	8/16/2012 10:09:00 PM
n-Amyl acetate	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM

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Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
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American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	TW-1
Lab Order:	1208150	**Collection Date:**	8/15/2012 4:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	LIQUID
Lab ID:	1208150-07A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Naphthalene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
n-Butyl acetate	U	0.25	2.0		µg/L	1	8/16/2012 10:09:00 PM
n-Butylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
n-Propyl acetate	U	0.5	1.0		µg/L	1	8/16/2012 10:09:00 PM
n-Propylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
o-Xylene	0.59	0.25	1.0	J	µg/L	1	8/16/2012 10:09:00 PM
p-Diethylbenzene	U	0.5	1.0		µg/L	1	8/16/2012 10:09:00 PM
p-Ethyltoluene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
sec-Butylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Styrene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
t-Butyl alcohol	U	1	2.0		µg/L	1	8/16/2012 10:09:00 PM
tert-Butylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Tetrachloroethene	180	0.25	2.0		µg/L	1	8/16/2012 10:09:00 PM
Toluene	0.80	0.25	1.0	J	µg/L	1	8/16/2012 10:09:00 PM
trans-1,2-Dichloroethene	3.2	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
trans-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Trichloroethene	46	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Trichlorofluoromethane	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Vinyl acetate	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Vinyl chloride	U	0.25	1.0		µg/L	1	8/16/2012 10:09:00 PM
Surr: 4-Bromofluorobenzene	97.1	0	63-123		%REC	1	8/16/2012 10:09:00 PM
Surr: 4-Bromofluorobenzene	103	0	63-123		%REC	10	8/17/2012 2:29:00 PM
Surr: Dibromofluoromethane	103	0	68-124		%REC	1	8/16/2012 10:09:00 PM
Surr: Dibromofluoromethane	104	0	68-124		%REC	10	8/17/2012 2:29:00 PM
Surr: Toluene-d8	94.3	0	67-125		%REC	10	8/17/2012 2:29:00 PM
Surr: Toluene-d8	106	0	67-125		%REC	1	8/16/2012 10:09:00 PM

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American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	TW-2
Lab Order:	1208150	**Collection Date:**	8/15/2012 5:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	LIQUID
Lab ID:	1208150-08A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
1,1,1,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
1,1,1-Trichloroethane	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
1,1,2,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
1,1,2-Trichloroethane	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
1,1-Dichloroethane	U	0.5	1.0		µg/L	1	8/16/2012 10:42:00 PM
1,1-Dichloroethene	0.40	0.25	1.0	J	µg/L	1	8/16/2012 10:42:00 PM
1,1-Dichloropropene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
1,2,3-Trichlorobenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
1,2,3-Trichloropropane	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
1,2,4,5-Tetramethylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
1,2,4-Trichlorobenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
1,2,4-Trimethylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
1,2-Dibromo-3-chloropropane	U	0.5	2.0		µg/L	1	8/16/2012 10:42:00 PM
1,2-Dibromoethane	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
1,2-Dichlorobenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
1,2-Dichloroethane	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
1,2-Dichloropropane	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
1,3,5-Trimethylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
1,3-Dichlorobenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
1,3-dichloropropane	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
1,4-Dichlorobenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
1,4-Dioxane	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
2,2-Dichloropropane	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
2-Butanone	U	1.25	2.5		µg/L	1	8/16/2012 10:42:00 PM
2-Chloroethyl vinyl ether	U	0.5	1.0		µg/L	1	8/16/2012 10:42:00 PM
2-Chlorotoluene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
2-Hexanone	U	1.25	2.5		µg/L	1	8/16/2012 10:42:00 PM
2-Propanol	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
4-Chlorotoluene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
4-Isopropyltoluene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
4-Methyl-2-pentanone	U	1.25	2.5		µg/L	1	8/16/2012 10:42:00 PM
Acetone	U	1.25	5.0		µg/L	1	8/16/2012 10:42:00 PM

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American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	TW-2
Lab Order:	1208150	**Collection Date:**	8/15/2012 5:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	LIQUID
Lab ID:	1208150-08A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Acrolein	U	5	10		µg/L	1	8/16/2012 10:42:00 PM
Acrylonitrile	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Benzene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Bromobenzene	U	0.5	1.0		µg/L	1	8/16/2012 10:42:00 PM
Bromochloromethane	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Bromodichloromethane	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Bromoform	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Bromomethane	U	0.25	1.0	C	µg/L	1	8/16/2012 10:42:00 PM
Carbon disulfide	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Carbon tetrachloride	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Chlorobenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Chlorodifluoromethane	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Chloroethane	U	0.25	1.0	C	µg/L	1	8/16/2012 10:42:00 PM
Chloroform	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Chloromethane	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
cis-1,2-Dichloroethene	24	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
cis-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Dibromochloromethane	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Dibromomethane	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Dichlorodifluoromethane	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Diisopropyl ether	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Ethanol	U	2.5	5.0		µg/L	1	8/16/2012 10:42:00 PM
Ethyl acetate	U	0.5	1.0		µg/L	1	8/16/2012 10:42:00 PM
Ethylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Freon-114	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Hexachlorobutadiene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Isopropyl acetate	U	1	2.0		µg/L	1	8/16/2012 10:42:00 PM
Isopropylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
m,p-Xylene	U	0.5	2.0		µg/L	1	8/16/2012 10:42:00 PM
Methyl Acetate	U	0.5	2.0		µg/L	1	8/16/2012 10:42:00 PM
Methyl tert-butyl ether	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Methylene chloride	5.0	0.25	1.0	B	µg/L	1	8/16/2012 10:42:00 PM
n-Amyl acetate	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM

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LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
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American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	TW-2
Lab Order:	1208150	**Collection Date:**	8/15/2012 5:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	LIQUID
Lab ID:	1208150-08A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Naphthalene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
n-Butyl acetate	U	0.25	2.0		µg/L	1	8/16/2012 10:42:00 PM
n-Butylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
n-Propyl acetate	U	0.5	1.0		µg/L	1	8/16/2012 10:42:00 PM
n-Propylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
o-Xylene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
p-Diethylbenzene	U	0.5	1.0		µg/L	1	8/16/2012 10:42:00 PM
p-Ethyltoluene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
sec-Butylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Styrene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
t-Butyl alcohol	U	1	2.0		µg/L	1	8/16/2012 10:42:00 PM
tert-Butylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Tetrachloroethene	190	0.25	2.0		µg/L	1	8/16/2012 10:42:00 PM
Toluene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
trans-1,2-Dichloroethene	0.36	0.25	1.0	J	µg/L	1	8/16/2012 10:42:00 PM
trans-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Trichloroethene	51	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Trichlorofluoromethane	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Vinyl acetate	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Vinyl chloride	U	0.25	1.0		µg/L	1	8/16/2012 10:42:00 PM
Surr: 4-Bromofluorobenzene	98.5	0	63-123		%REC	1	8/16/2012 10:42:00 PM
Surr: Dibromofluoromethane	101	0	68-124		%REC	1	8/16/2012 10:42:00 PM
Surr: Toluene-d8	106	0	67-125		%REC	1	8/16/2012 10:42:00 PM

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American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	TW-3
Lab Order:	1208150	**Collection Date:**	8/15/2012 6:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	LIQUID
Lab ID:	1208150-09A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
1,1,1,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
1,1,1-Trichloroethane	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
1,1,2,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
1,1,2-Trichloroethane	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
1,1-Dichloroethane	U	0.5	1.0		µg/L	1	8/16/2012 11:14:00 PM
1,1-Dichloroethene	0.31	0.25	1.0	J	µg/L	1	8/16/2012 11:14:00 PM
1,1-Dichloropropene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
1,2,3-Trichlorobenzene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
1,2,3-Trichloropropane	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
1,2,4,5-Tetramethylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
1,2,4-Trichlorobenzene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
1,2,4-Trimethylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
1,2-Dibromo-3-chloropropane	U	0.5	2.0		µg/L	1	8/16/2012 11:14:00 PM
1,2-Dibromoethane	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
1,2-Dichlorobenzene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
1,2-Dichloroethane	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
1,2-Dichloropropane	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
1,3,5-Trimethylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
1,3-Dichlorobenzene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
1,3-dichloropropane	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
1,4-Dichlorobenzene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
1,4-Dioxane	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
2,2-Dichloropropane	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
2-Butanone	U	1.25	2.5		µg/L	1	8/16/2012 11:14:00 PM
2-Chloroethyl vinyl ether	U	0.5	1.0		µg/L	1	8/16/2012 11:14:00 PM
2-Chlorotoluene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
2-Hexanone	U	1.25	2.5		µg/L	1	8/16/2012 11:14:00 PM
2-Propanol	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
4-Chlorotoluene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
4-Isopropyltoluene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
4-Methyl-2-pentanone	U	1.25	2.5		µg/L	1	8/16/2012 11:14:00 PM
Acetone	U	1.25	5.0		µg/L	1	8/16/2012 11:14:00 PM

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Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	TW-3
Lab Order:	1208150	**Collection Date:**	8/15/2012 6:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	LIQUID
Lab ID:	1208150-09A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Acrolein	U	5	10		µg/L	1	8/16/2012 11:14:00 PM
Acrylonitrile	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Benzene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Bromobenzene	U	0.5	1.0		µg/L	1	8/16/2012 11:14:00 PM
Bromochloromethane	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Bromodichloromethane	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Bromoform	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Bromomethane	U	0.25	1.0	C	µg/L	1	8/16/2012 11:14:00 PM
Carbon disulfide	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Carbon tetrachloride	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Chlorobenzene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Chlorodifluoromethane	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Chloroethane	U	0.25	1.0	C	µg/L	1	8/16/2012 11:14:00 PM
Chloroform	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Chloromethane	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
cis-1,2-Dichloroethene	26	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
cis-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Dibromochloromethane	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Dibromomethane	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Dichlorodifluoromethane	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Diisopropyl ether	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Ethanol	U	2.5	5.0		µg/L	1	8/16/2012 11:14:00 PM
Ethyl acetate	U	0.5	1.0		µg/L	1	8/16/2012 11:14:00 PM
Ethylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Freon-114	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Hexachlorobutadiene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Isopropyl acetate	U	1	2.0		µg/L	1	8/16/2012 11:14:00 PM
Isopropylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
m,p-Xylene	U	0.5	2.0		µg/L	1	8/16/2012 11:14:00 PM
Methyl Acetate	U	0.5	2.0		µg/L	1	8/16/2012 11:14:00 PM
Methyl tert-butyl ether	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Methylene chloride	5.1	0.25	1.0	B	µg/L	1	8/16/2012 11:14:00 PM
n-Amyl acetate	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM

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American Analytical Laboratories, LLC.

Date: *22-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	TW-3
Lab Order:	1208150	**Collection Date:**	8/15/2012 6:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (ACT #7045-L	**Matrix:**	LIQUID
Lab ID:	1208150-09A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Naphthalene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
n-Butyl acetate	U	0.25	2.0		µg/L	1	8/16/2012 11:14:00 PM
n-Butylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
n-Propyl acetate	U	0.5	1.0		µg/L	1	8/16/2012 11:14:00 PM
n-Propylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
o-Xylene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
p-Diethylbenzene	U	0.5	1.0		µg/L	1	8/16/2012 11:14:00 PM
p-Ethyltoluene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
sec-Butylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Styrene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
t-Butyl alcohol	U	1	2.0		µg/L	1	8/16/2012 11:14:00 PM
tert-Butylbenzene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Tetrachloroethene	230	2.5	20		µg/L	10	8/17/2012 3:01:00 PM
Toluene	0.26	0.25	1.0	J	µg/L	1	8/16/2012 11:14:00 PM
trans-1,2-Dichloroethene	0.29	0.25	1.0	J	µg/L	1	8/16/2012 11:14:00 PM
trans-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Trichloroethene	49	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Trichlorofluoromethane	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Vinyl acetate	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Vinyl chloride	U	0.25	1.0		µg/L	1	8/16/2012 11:14:00 PM
Surr: 4-Bromofluorobenzene	96.6	0	63-123		%REC	10	8/17/2012 3:01:00 PM
Surr: 4-Bromofluorobenzene	101	0	63-123		%REC	1	8/16/2012 11:14:00 PM
Surr: Dibromofluoromethane	101	0	68-124		%REC	1	8/16/2012 11:14:00 PM
Surr: Dibromofluoromethane	106	0	68-124		%REC	10	8/17/2012 3:01:00 PM
Surr: Toluene-d8	92.7	0	67-125		%REC	10	8/17/2012 3:01:00 PM
Surr: Toluene-d8	105	0	67-125		%REC	1	8/16/2012 11:14:00 PM

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LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
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CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **V624LCS-081612aY** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **8/16/2012** RunNo: **64820**
Client ID: **LCSS** Batch ID: **R64820B** TestNo: **SW8260C** Analysis Date: **8/16/2012** SeqNo: **917391**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	57	2.0	50.00	0	114	40	125				
1,1,2,2-Tetrachloroethane	67	2.0	50.00	0	134	35	139				
1,1,2-Trichloroethane	65	2.0	50.00	0	131	40	124				S
1,1-Dichloroethane	57	2.0	50.00	0	114	33	134				
1,1-Dichloroethene	57	2.0	50.00	0	113	30	141				
1,2-Dichlorobenzene	57	2.0	50.00	0	114	33	126				
1,2-Dichloroethane	61	2.0	50.00	0	122	36	131				
1,2-Dichloropropane	61	2.0	50.00	0	122	38	131				
1,3-Dichlorobenzene	54	2.0	50.00	0	108	31	130				
1,4-Dichlorobenzene	51	2.0	50.00	0	102	33	121				
Benzene	58	2.0	50.00	0	115	36	126				
Bromodichloromethane	59	2.0	50.00	0	117	38	125				
Bromoform	62	2.0	50.00	0	124	36	131				
Bromomethane	43	2.0	50.00	0	85.5	23	135				
Carbon tetrachloride	57	2.0	50.00	0	114	37	130				
Chlorobenzene	57	2.0	50.00	0	114	41	123				
Chloroethane	31	2.0	50.00	0	61.6	20	128				C
Chloroform	58	2.0	50.00	0	117	39	125				
Chloromethane	66	2.0	50.00	0	133	33	143				
cis-1,3-Dichloropropene	55	2.0	50.00	0	110	34	125				
Dibromochloromethane	58	2.0	50.00	0	117	36	125				
Ethylbenzene	57	2.0	50.00	0	115	42	124				
Methylene chloride	58	2.0	50.00	0	116	33	135				B
Tetrachloroethene	53	2.0	50.00	0	106	30	121				
Toluene	57	2.0	50.00	0	114	43	121				
trans-1,2-Dichloroethene	57	2.0	50.00	0	113	32	124				
trans-1,3-Dichloropropene	52	2.0	50.00	0	103	33	120				
Trichloroethene	55	2.0	50.00	0	111	40	124				
Trichlorofluoromethane	61	2.0	50.00	0	122	35	140				C
Vinyl chloride	66	2.0	50.00	0	132	40	146				

Qualifiers:

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J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **V624LCS-081612aY** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **8/16/2012** RunNo: **64820**
Client ID: **LCSS** Batch ID: **R64820B** TestNo: **SW8260C** Analysis Date: **8/16/2012** SeqNo: **917391**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	51		50.00		103	42	133				
Surr: Dibromofluoromethane	50		50.00		101	50	133				
Surr: Toluene-d8	51		50.00		103	53	130				

Sample ID: **VBLK-081612aYS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **8/16/2012** RunNo: **64820**
Client ID: **PBS** Batch ID: **R64820B** TestNo: **SW8260C** Analysis Date: **8/16/2012** SeqNo: **917392**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	2.0									
1,1,1-Trichloroethane	U	2.0									
1,1,2,2-Tetrachloroethane	U	2.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	2.0									
1,1,2-Trichloroethane	U	2.0									
1,1-Dichloroethane	U	2.0									
1,1-Dichloroethene	U	2.0									
1,1-Dichloropropene	U	2.0									
1,2,3-Trichlorobenzene	U	2.0									
1,2,3-Trichloropropane	U	2.0									
1,2,4,5-Tetramethylbenzene	U	2.0									
1,2,4-Trichlorobenzene	U	2.0									
1,2,4-Trimethylbenzene	U	2.0									
1,2-Dibromo-3-chloropropane	U	2.0									
1,2-Dibromoethane	U	2.0									
1,2-Dichlorobenzene	U	2.0									
1,2-Dichloroethane	U	2.0									
1,2-Dichloropropane	U	2.0									
1,3,5-Trimethylbenzene	U	2.0									
1,3-Dichlorobenzene	U	2.0									
1,3-dichloropropane	U	2.0									
1,4-Dichlorobenzene	U	2.0									
1,4-Dioxane	U	2.0									

Qualifiers:

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J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-081612aYS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **8/16/2012** RunNo: **64820**
Client ID: **PBS** Batch ID: **R64820B** TestNo: **SW8260C** Analysis Date: **8/16/2012** SeqNo: **917392**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	U	2.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	2.0									C
2-Chlorotoluene	U	2.0									
2-Hexanone	U	5.0									
2-Propanol	U	2.0									
4-Chlorotoluene	U	2.0									
4-Isopropyltoluene	U	2.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									
Acrolein	U	10									
Acrylonitrile	U	2.0									
Benzene	U	2.0									
Bromobenzene	U	2.0									
Bromochloromethane	U	2.0									
Bromodichloromethane	U	2.0									
Bromoform	U	2.0									
Bromomethane	U	2.0									
Carbon disulfide	U	2.0									
Carbon tetrachloride	U	2.0									
Chlorobenzene	U	2.0									
Chlorodifluoromethane	U	2.0									
Chloroethane	U	2.0									C
Chloroform	U	2.0									
Chloromethane	U	2.0									
cis-1,2-Dichloroethene	U	2.0									
cis-1,3-Dichloropropene	U	2.0									
Dibromochloromethane	U	2.0									
Dibromomethane	U	2.0									
Dichlorodifluoromethane	U	2.0									
Diisopropyl ether	U	2.0									

Qualifiers:

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J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-081612aYS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **8/16/2012** RunNo: **64820**
Client ID: **PBS** Batch ID: **R64820B** TestNo: **SW8260C** Analysis Date: **8/16/2012** SeqNo: **917392**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethanol	U	5.0									
Ethyl acetate	U	2.0									
Ethylbenzene	U	2.0									
Freon-114	U	2.0									
Hexachlorobutadiene	U	2.0									
Isopropyl acetate	U	2.0									C
Isopropylbenzene	U	2.0									
m,p-Xylene	U	4.0									
Methyl Acetate	U	2.0									
Methyl tert-butyl ether	U	2.0									
Methylene chloride	7.0	2.0									
n-Amyl acetate	U	2.0									C
Naphthalene	U	2.0									
n-Butyl acetate	U	2.0									C
n-Butylbenzene	U	2.0									
n-Propyl acetate	U	2.0									
n-Propylbenzene	U	2.0									
o-Xylene	U	2.0									
p-Diethylbenzene	U	2.0									
p-Ethyltoluene	U	2.0									
sec-Butylbenzene	U	2.0									
Styrene	U	2.0									
t-Butyl alcohol	U	2.0									
tert-Butylbenzene	U	2.0									
Tetrachloroethene	U	2.0									
Toluene	U	2.0									
trans-1,2-Dichloroethene	U	2.0									
trans-1,3-Dichloropropene	U	2.0									
Trichloroethene	U	2.0									
Trichlorofluoromethane	U	2.0									C
Vinyl acetate	U	2.0									C

Qualifiers:

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R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: VBLK-081612aYS	SampType: MBLK	TestCode: DryFull8260_	Units: µg/Kg	Prep Date: 8/16/2012	RunNo: 64820
Client ID: PBS	Batch ID: R64820B	TestNo: SW8260C		Analysis Date: 8/16/2012	SeqNo: 917392

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	U	2.0									
Surr: 4-Bromofluorobenzene	50		50.00		100	42	133				
Surr: Dibromofluoromethane	50		50.00		99.8	50	133				
Surr: Toluene-d8	50		50.00		101	53	130				

Sample ID: V624LCS-081612aY	SampType: LCS	TestCode: DryFull8260_	Units: µg/Kg	Prep Date: 8/16/2012	RunNo: 64820
Client ID: LCSS	Batch ID: R64820C	TestNo: SW8260C		Analysis Date: 8/16/2012	SeqNo: 917397

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	62	2.0	50.00	0	124	40	125				
1,1,2,2-Tetrachloroethane	66	2.0	50.00	0	132	35	139				
1,1,2-Trichloroethane	64	2.0	50.00	0	128	40	124				S
1,1-Dichloroethane	59	2.0	50.00	0	118	33	134				
1,1-Dichloroethene	58	2.0	50.00	0	116	30	141				
1,2-Dichlorobenzene	62	2.0	50.00	0	123	33	126				
1,2-Dichloroethane	63	2.0	50.00	0	126	36	131				
1,2-Dichloropropane	61	2.0	50.00	0	122	38	131				
1,3-Dichlorobenzene	60	2.0	50.00	0	119	31	130				
1,4-Dichlorobenzene	56	2.0	50.00	0	112	33	121				
Benzene	61	2.0	50.00	0	122	36	126				
Bromodichloromethane	60	2.0	50.00	0	119	38	125				
Bromoform	64	2.0	50.00	0	127	36	131				
Bromomethane	52	2.0	50.00	0	104	23	135				
Carbon tetrachloride	60	2.0	50.00	0	120	37	130				
Chlorobenzene	61	2.0	50.00	0	123	41	123				
Chloroethane	33	2.0	50.00	0	66.6	20	128				C
Chloroform	59	2.0	50.00	0	119	39	125				
Chloromethane	58	2.0	50.00	0	116	33	143				
cis-1,3-Dichloropropene	57	2.0	50.00	0	114	34	125				
Dibromochloromethane	59	2.0	50.00	0	119	36	125				
Ethylbenzene	61	2.0	50.00	0	123	42	124				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **V624LCS-081612aY** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **8/16/2012** RunNo: **64820**
Client ID: **LCSS** Batch ID: **R64820C** TestNo: **SW8260C** Analysis Date: **8/16/2012** SeqNo: **917397**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	61	2.0	50.00	0	123	33	135				B
Tetrachloroethene	58	2.0	50.00	0	116	30	121				
Toluene	60	2.0	50.00	0	120	43	121				
trans-1,2-Dichloroethene	60	2.0	50.00	0	121	32	124				
trans-1,3-Dichloropropene	54	2.0	50.00	0	109	33	120				
Trichloroethene	58	2.0	50.00	0	115	40	124				
Trichlorofluoromethane	56	2.0	50.00	0	112	35	140				
Vinyl chloride	69	2.0	50.00	0	139	40	146				
Surr: 4-Bromofluorobenzene	52		50.00		103	42	133				
Surr: Dibromofluoromethane	50		50.00		101	50	133				
Surr: Toluene-d8	51		50.00		101	53	130				

Sample ID: **VBLK-081612aYS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **8/16/2012** RunNo: **64820**
Client ID: **PBS** Batch ID: **R64820C** TestNo: **SW8260C** Analysis Date: **8/16/2012** SeqNo: **917398**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	2.0									
1,1,1-Trichloroethane	U	2.0									
1,1,2,2-Tetrachloroethane	U	2.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	2.0									
1,1,2-Trichloroethane	U	2.0									
1,1-Dichloroethane	U	2.0									
1,1-Dichloroethene	U	2.0									
1,1-Dichloropropene	U	2.0									
1,2,3-Trichlorobenzene	U	2.0									
1,2,3-Trichloropropane	U	2.0									
1,2,4,5-Tetramethylbenzene	U	2.0									
1,2,4-Trichlorobenzene	U	2.0									
1,2,4-Trimethylbenzene	U	2.0									
1,2-Dibromo-3-chloropropane	U	2.0									
1,2-Dibromoethane	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-081612aYS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **8/16/2012** RunNo: **64820**
Client ID: **PBS** Batch ID: **R64820C** TestNo: **SW8260C** Analysis Date: **8/16/2012** SeqNo: **917398**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	U	2.0									
1,2-Dichloroethane	U	2.0									
1,2-Dichloropropane	U	2.0									
1,3,5-Trimethylbenzene	U	2.0									
1,3-Dichlorobenzene	U	2.0									
1,3-dichloropropane	U	2.0									
1,4-Dichlorobenzene	U	2.0									
1,4-Dioxane	U	2.0									
2,2-Dichloropropane	U	2.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	2.0									C
2-Chlorotoluene	U	2.0									
2-Hexanone	U	5.0									
2-Propanol	U	2.0									
4-Chlorotoluene	U	2.0									
4-Isopropyltoluene	U	2.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									
Acrolein	U	10									
Acrylonitrile	U	2.0									
Benzene	U	2.0									
Bromobenzene	U	2.0									
Bromochloromethane	U	2.0									
Bromodichloromethane	U	2.0									
Bromoform	U	2.0									
Bromomethane	U	2.0									
Carbon disulfide	U	2.0									
Carbon tetrachloride	U	2.0									
Chlorobenzene	U	2.0									
Chlorodifluoromethane	U	2.0									
Chloroethane	U	2.0									C

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-081612aYS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **8/16/2012** RunNo: **64820**
Client ID: **PBS** Batch ID: **R64820C** TestNo: **SW8260C** Analysis Date: **8/16/2012** SeqNo: **917398**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	U	2.0									
Chloromethane	U	2.0									
cis-1,2-Dichloroethene	U	2.0									
cis-1,3-Dichloropropene	U	2.0									
Dibromochloromethane	U	2.0									
Dibromomethane	U	2.0									
Dichlorodifluoromethane	U	2.0									
Diisopropyl ether	U	2.0									
Ethanol	U	5.0									
Ethyl acetate	U	2.0									
Ethylbenzene	U	2.0									
Freon-114	U	2.0									
Hexachlorobutadiene	U	2.0									
Isopropyl acetate	U	2.0									
Isopropylbenzene	U	2.0									
m,p-Xylene	U	4.0									
Methyl Acetate	U	2.0									
Methyl tert-butyl ether	U	2.0									
Methylene chloride	7.8	2.0									
n-Amyl acetate	U	2.0									C
Naphthalene	U	2.0									
n-Butyl acetate	U	2.0									C
n-Butylbenzene	U	2.0									
n-Propyl acetate	U	2.0									C
n-Propylbenzene	U	2.0									
o-Xylene	U	2.0									
p-Diethylbenzene	U	2.0									
p-Ethyltoluene	U	2.0									
sec-Butylbenzene	U	2.0									
Styrene	U	2.0									
t-Butyl alcohol	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-081612aYS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **8/16/2012** RunNo: **64820**
Client ID: **PBS** Batch ID: **R64820C** TestNo: **SW8260C** Analysis Date: **8/16/2012** SeqNo: **917398**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
tert-Butylbenzene	U	2.0									
Tetrachloroethene	U	2.0									
Toluene	U	2.0									
trans-1,2-Dichloroethene	U	2.0									
trans-1,3-Dichloropropene	U	2.0									
Trichloroethene	U	2.0									
Trichlorofluoromethane	U	2.0									
Vinyl acetate	U	2.0									
Vinyl chloride	U	2.0									
Surr: 4-Bromofluorobenzene	49		50.00		97.1	42	133				
Surr: Dibromofluoromethane	49		50.00		97.5	50	133				
Surr: Toluene-d8	51		50.00		101	53	130				

Sample ID: **V624LCS-081712YS** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **8/17/2012** RunNo: **64820**
Client ID: **LCSS** Batch ID: **R64820D** TestNo: **SW8260C** Analysis Date: **8/17/2012** SeqNo: **917403**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	53	2.0	50.00	0	107	40	125				
1,1,2,2-Tetrachloroethane	55	2.0	50.00	0	110	35	139				
1,1,2-Trichloroethane	54	2.0	50.00	0	109	40	124				
1,1-Dichloroethane	52	2.0	50.00	0	104	33	134				
1,1-Dichloroethene	49	2.0	50.00	0	98.8	30	141				
1,2-Dichlorobenzene	51	2.0	50.00	0	103	33	126				
1,2-Dichloroethane	54	2.0	50.00	0	107	36	131				
1,2-Dichloropropane	52	2.0	50.00	0	105	38	131				
1,3-Dichlorobenzene	51	2.0	50.00	0	103	31	130				
1,4-Dichlorobenzene	49	2.0	50.00	0	98.1	33	121				
Benzene	53	2.0	50.00	0	106	36	126				
Bromodichloromethane	51	2.0	50.00	0	102	38	125				
Bromoform	53	2.0	50.00	0	105	36	131				
Bromomethane	45	2.0	50.00	0	90.3	23	135				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **V624LCS-081712YS** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **8/17/2012** RunNo: **64820**
Client ID: **LCSS** Batch ID: **R64820D** TestNo: **SW8260C** Analysis Date: **8/17/2012** SeqNo: **917403**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	52	2.0	50.00	0	104	37	130				
Chlorobenzene	53	2.0	50.00	0	106	41	123				
Chloroethane	31	2.0	50.00	0	61.7	20	128				C
Chloroform	55	2.0	50.00	0	109	39	125				
Chloromethane	50	2.0	50.00	0	100	33	143				
cis-1,3-Dichloropropene	49	2.0	50.00	0	97.3	34	125				
Dibromochloromethane	51	2.0	50.00	0	102	36	125				
Ethylbenzene	54	2.0	50.00	0	107	42	124				
Methylene chloride	55	2.0	50.00	0	111	33	135				B
Tetrachloroethene	50	2.0	50.00	0	100	30	121				
Toluene	52	2.0	50.00	0	105	43	121				
trans-1,2-Dichloroethene	52	2.0	50.00	0	104	32	124				
trans-1,3-Dichloropropene	47	2.0	50.00	0	94.8	33	120				
Trichloroethene	51	2.0	50.00	0	102	40	124				
Trichlorofluoromethane	51	2.0	50.00	0	101	35	140				
Vinyl chloride	59	2.0	50.00	0	118	40	146				
Surr: 4-Bromofluorobenzene	50		50.00		99.9	42	133				
Surr: Dibromofluoromethane	49		50.00		98.3	50	133				
Surr: Toluene-d8	50		50.00		100	53	130				

Sample ID: **VBLK-081712YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **8/17/2012** RunNo: **64820**
Client ID: **PBS** Batch ID: **R64820D** TestNo: **SW8260C** Analysis Date: **8/17/2012** SeqNo: **917404**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	2.0									
1,1,1-Trichloroethane	U	2.0									
1,1,2,2-Tetrachloroethane	U	2.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	2.0									
1,1,2-Trichloroethane	U	2.0									
1,1-Dichloroethane	U	2.0									
1,1-Dichloroethene	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-081712YS**	SampType: **MBLK**	TestCode: **DryFull8260_**	Units: **µg/Kg**	Prep Date: **8/17/2012**	RunNo: **64820**
Client ID: **PBS**	Batch ID: **R64820D**	TestNo: **SW8260C**		Analysis Date: **8/17/2012**	SeqNo: **917404**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloropropene	U	2.0									
1,2,3-Trichlorobenzene	U	2.0									
1,2,3-Trichloropropane	U	2.0									
1,2,4,5-Tetramethylbenzene	U	2.0									
1,2,4-Trichlorobenzene	U	2.0									
1,2,4-Trimethylbenzene	U	2.0									
1,2-Dibromo-3-chloropropane	U	2.0									
1,2-Dibromoethane	U	2.0									
1,2-Dichlorobenzene	U	2.0									
1,2-Dichloroethane	U	2.0									
1,2-Dichloropropane	U	2.0									
1,3,5-Trimethylbenzene	U	2.0									
1,3-Dichlorobenzene	U	2.0									
1,3-dichloropropane	U	2.0									
1,4-Dichlorobenzene	U	2.0									
1,4-Dioxane	U	2.0									
2,2-Dichloropropane	U	2.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	2.0									C
2-Chlorotoluene	U	2.0									
2-Hexanone	U	5.0									
2-Propanol	U	2.0									
4-Chlorotoluene	U	2.0									
4-Isopropyltoluene	U	2.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									
Acrolein	U	10									C
Acrylonitrile	U	2.0									
Benzene	U	2.0									
Bromobenzene	U	2.0									
Bromochloromethane	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-081712YS**	SampType: **MBLK**	TestCode: **DryFull8260_**	Units: **µg/Kg**	Prep Date: **8/17/2012**	RunNo: **64820**
Client ID: **PBS**	Batch ID: **R64820D**	TestNo: **SW8260C**		Analysis Date: **8/17/2012**	SeqNo: **917404**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromodichloromethane	U	2.0									
Bromoform	U	2.0									
Bromomethane	U	2.0									
Carbon disulfide	U	2.0									
Carbon tetrachloride	U	2.0									
Chlorobenzene	U	2.0									
Chlorodifluoromethane	U	2.0									
Chloroethane	U	2.0									C
Chloroform	U	2.0									
Chloromethane	U	2.0									
cis-1,2-Dichloroethene	U	2.0									
cis-1,3-Dichloropropene	U	2.0									
Dibromochloromethane	U	2.0									
Dibromomethane	U	2.0									
Dichlorodifluoromethane	U	2.0									C
Diisopropyl ether	U	2.0									
Ethanol	U	5.0									
Ethyl acetate	U	2.0									
Ethylbenzene	U	2.0									
Freon-114	U	2.0									C
Hexachlorobutadiene	U	2.0									
Isopropyl acetate	U	2.0									C
Isopropylbenzene	U	2.0									
m,p-Xylene	U	4.0									
Methyl Acetate	U	2.0									
Methyl tert-butyl ether	U	2.0									
Methylene chloride	8.1	2.0									
n-Amyl acetate	U	2.0									C
Naphthalene	U	2.0									
n-Butyl acetate	U	2.0									C
n-Butylbenzene	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-081712YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **8/17/2012** RunNo: **64820**
Client ID: **PBS** Batch ID: **R64820D** TestNo: **SW8260C** Analysis Date: **8/17/2012** SeqNo: **917404**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propyl acetate	U	2.0									C
n-Propylbenzene	U	2.0									
o-Xylene	U	2.0									
p-Diethylbenzene	U	2.0									
p-Ethyltoluene	U	2.0									
sec-Butylbenzene	U	2.0									
Styrene	U	2.0									
t-Butyl alcohol	U	2.0									
tert-Butylbenzene	U	2.0									
Tetrachloroethene	U	2.0									
Toluene	U	2.0									
trans-1,2-Dichloroethene	U	2.0									
trans-1,3-Dichloropropene	U	2.0									
Trichloroethene	U	2.0									
Trichlorofluoromethane	U	2.0									
Vinyl acetate	U	2.0									C
Vinyl chloride	U	2.0									
Surr: 4-Bromofluorobenzene	51		50.00		102	42	133				
Surr: Dibromofluoromethane	53		50.00		106	50	133				
Surr: Toluene-d8	50		50.00		100	53	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **V624LCS-081612aH** SampType: **LCS** TestCode: **Full8260_W** Units: **µg/L** Prep Date: **8/16/2012** RunNo: **64820**
Client ID: **LCSW** Batch ID: **R64820** TestNo: **SW8260C** Analysis Date: **8/16/2012** SeqNo: **917277**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	59	1.0	50.00	0	117	35	131				
1,1,2,2-Tetrachloroethane	59	1.0	50.00	0	119	33	152				
1,1,2-Trichloroethane	54	1.0	50.00	0	109	38	121				
1,1-Dichloroethane	61	1.0	50.00	0	122	31	132				
1,1-Dichloroethene	57	1.0	50.00	0	114	22	131				
1,2-Dichlorobenzene	53	1.0	50.00	0	106	44	123				
1,2-Dichloroethane	55	1.0	50.00	0	111	43	127				
1,2-Dichloropropane	57	1.0	50.00	0	114	42	126				
1,3-Dichlorobenzene	56	1.0	50.00	0	111	45	127				
1,4-Dichlorobenzene	50	1.0	50.00	0	99.9	43	126				
2-Chloroethyl vinyl ether	52	1.0	50.00	0	105	20	133				
Benzene	56	1.0	50.00	0	112	30	137				
Bromodichloromethane	52	1.0	50.00	0	104	38	122				
Bromoform	58	1.0	50.00	0	115	46	128				
Bromomethane	63	1.0	50.00	0	125	27	146				
Carbon tetrachloride	60	1.0	50.00	0	121	35	134				
Chlorobenzene	53	1.0	50.00	0	105	47	120				
Chloroethane	51	1.0	50.00	0	102	38	130				
Chloroform	60	1.0	50.00	0	120	35	138				
Chloromethane	76	1.0	50.00	0	151	20	155				
cis-1,3-Dichloropropene	47	1.0	50.00	0	93.4	33	120				
Dibromochloromethane	53	1.0	50.00	0	106	42	128				
Ethylbenzene	54	1.0	50.00	0	108	46	134				
Methylene chloride	58	1.0	50.00	0	116	27	137				B
Tetrachloroethene	56	2.0	50.00	0	113	30	125				
Toluene	56	1.0	50.00	0	113	32	126				
trans-1,2-Dichloroethene	58	1.0	50.00	0	115	24	130				
trans-1,3-Dichloropropene	47	1.0	50.00	0	93.4	30	120				
Trichloroethene	59	1.0	50.00	0	119	41	125				
Trichlorofluoromethane	60	1.0	50.00	0	120	38	149				
Vinyl chloride	69	1.0	50.00	0	137	24	152				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: V624LCS-081612aH	SampType: LCS	TestCode: Full8260_W	Units: µg/L	Prep Date: 8/16/2012	RunNo: 64820
Client ID: LCSW	Batch ID: R64820	TestNo: SW8260C		Analysis Date: 8/16/2012	SeqNo: 917277

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	51		50.00		102	63	123				
Surr: Dibromofluoromethane	54		50.00		108	68	124				
Surr: Toluene-d8	49		50.00		99.0	67	125				

Sample ID: VBLK-081612aHW	SampType: MBLK	TestCode: Full8260_W	Units: µg/L	Prep Date: 8/16/2012	RunNo: 64820
Client ID: PBW	Batch ID: R64820	TestNo: SW8260C		Analysis Date: 8/16/2012	SeqNo: 917278

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	1.0									
1,1,1-Trichloroethane	U	1.0									
1,1,2,2-Tetrachloroethane	U	1.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0									
1,1,2-Trichloroethane	U	1.0									
1,1-Dichloroethane	U	1.0									
1,1-Dichloroethene	U	1.0									
1,1-Dichloropropene	U	1.0									
1,2,3-Trichlorobenzene	U	1.0									
1,2,3-Trichloropropane	U	1.0									
1,2,4,5-Tetramethylbenzene	U	1.0									
1,2,4-Trichlorobenzene	U	1.0									
1,2,4-Trimethylbenzene	U	1.0									
1,2-Dibromo-3-chloropropane	U	2.0									
1,2-Dibromoethane	U	1.0									
1,2-Dichlorobenzene	U	1.0									
1,2-Dichloroethane	U	1.0									
1,2-Dichloropropane	U	1.0									
1,3,5-Trimethylbenzene	U	1.0									
1,3-Dichlorobenzene	U	1.0									
1,3-dichloropropane	U	1.0									
1,4-Dichlorobenzene	U	1.0									
1,4-Dioxane	U	1.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK-081612aHW** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: **8/16/2012** RunNo: **64820**
Client ID: **PBW** Batch ID: **R64820** TestNo: **SW8260C** Analysis Date: **8/16/2012** SeqNo: **917278**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	U	1.0									
2-Butanone	U	2.5									
2-Chloroethyl vinyl ether	U	1.0									
2-Chlorotoluene	U	1.0									
2-Hexanone	U	2.5									
2-Propanol	U	1.0									
4-Chlorotoluene	U	1.0									
4-Isopropyltoluene	U	1.0									
4-Methyl-2-pentanone	U	2.5									
Acetone	U	5.0									
Acrolein	U	10									
Acrylonitrile	U	1.0									
Benzene	U	1.0									
Bromobenzene	U	1.0									
Bromochloromethane	U	1.0									
Bromodichloromethane	U	1.0									
Bromoform	U	1.0									
Bromomethane	U	1.0									C
Carbon disulfide	U	1.0									
Carbon tetrachloride	U	1.0									
Chlorobenzene	U	1.0									
Chlorodifluoromethane	U	1.0									
Chloroethane	U	1.0									C
Chloroform	U	1.0									
Chloromethane	U	1.0									
cis-1,2-Dichloroethene	U	1.0									
cis-1,3-Dichloropropene	U	1.0									
Dibromochloromethane	U	1.0									
Dibromomethane	U	1.0									
Dichlorodifluoromethane	U	1.0									
Diisopropyl ether	U	1.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK-081612aHW** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: **8/16/2012** RunNo: **64820**
Client ID: **PBW** Batch ID: **R64820** TestNo: **SW8260C** Analysis Date: **8/16/2012** SeqNo: **917278**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethanol	U	5.0									
Ethyl acetate	U	1.0									
Ethylbenzene	U	1.0									
Freon-114	U	1.0									
Hexachlorobutadiene	U	1.0									
Isopropyl acetate	U	2.0									
Isopropylbenzene	U	1.0									
m,p-Xylene	U	2.0									
Methyl Acetate	U	2.0									
Methyl tert-butyl ether	U	1.0									
Methylene chloride	5.8	1.0									
n-Amyl acetate	U	1.0									
Naphthalene	U	1.0									
n-Butyl acetate	U	2.0									
n-Butylbenzene	U	1.0									
n-Propyl acetate	U	1.0									
n-Propylbenzene	U	1.0									
o-Xylene	U	1.0									
p-Diethylbenzene	U	1.0									
p-Ethyltoluene	U	1.0									
sec-Butylbenzene	U	1.0									
Styrene	U	1.0									
t-Butyl alcohol	U	2.0									
tert-Butylbenzene	U	1.0									
Tetrachloroethene	U	2.0									
Toluene	U	1.0									
trans-1,2-Dichloroethene	U	1.0									
trans-1,3-Dichloropropene	U	1.0									
Trichloroethene	U	1.0									
Trichlorofluoromethane	U	1.0									
Vinyl acetate	U	1.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: VBLK-081612aHW	SampType: MBLK	TestCode: Full8260_W	Units: µg/L	Prep Date: 8/16/2012	RunNo: 64820
Client ID: PBW	Batch ID: R64820	TestNo: SW8260C		Analysis Date: 8/16/2012	SeqNo: 917278

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	U	1.0									
Surr: 4-Bromofluorobenzene	48		50.00		95.9	63	123				
Surr: Dibromofluoromethane	53		50.00		105	68	124				
Surr: Toluene-d8	46		50.00		91.7	67	125				

Sample ID: V624LCS-081712HW	SampType: LCS	TestCode: Full8260_W	Units: µg/L	Prep Date: 8/17/2012	RunNo: 64820
Client ID: LCSW	Batch ID: R64820A	TestNo: SW8260C		Analysis Date: 8/17/2012	SeqNo: 917321

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	54	1.0	50.00	0	108	35	131				
1,1,2,2-Tetrachloroethane	56	1.0	50.00	0	111	33	152				
1,1,2-Trichloroethane	51	1.0	50.00	0	103	38	121				
1,1-Dichloroethane	57	1.0	50.00	0	114	31	132				
1,1-Dichloroethene	52	1.0	50.00	0	104	22	131				
1,2-Dichlorobenzene	50	1.0	50.00	0	99.5	44	123				
1,2-Dichloroethane	50	1.0	50.00	0	101	43	127				
1,2-Dichloropropane	55	1.0	50.00	0	109	42	126				
1,3-Dichlorobenzene	54	1.0	50.00	0	108	45	127				
1,4-Dichlorobenzene	48	1.0	50.00	0	96.8	43	126				
2-Chloroethyl vinyl ether	48	1.0	50.00	0	95.6	20	133				
Benzene	52	1.0	50.00	0	103	30	137				
Bromodichloromethane	49	1.0	50.00	0	98.5	38	122				
Bromoform	54	1.0	50.00	0	108	46	128				
Bromomethane	65	1.0	50.00	0	129	27	146				C
Carbon tetrachloride	55	1.0	50.00	0	111	35	134				
Chlorobenzene	50	1.0	50.00	0	101	47	120				
Chloroethane	48	1.0	50.00	0	96.9	38	130				
Chloroform	55	1.0	50.00	0	110	35	138				
Chloromethane	69	1.0	50.00	0	138	20	155				
cis-1,3-Dichloropropene	45	1.0	50.00	0	90.0	33	120				
Dibromochloromethane	51	1.0	50.00	0	101	42	128				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **V624LCS-081712HW** SampType: **LCS** TestCode: **Full8260_W** Units: **µg/L** Prep Date: **8/17/2012** RunNo: **64820**
Client ID: **LCSW** Batch ID: **R64820A** TestNo: **SW8260C** Analysis Date: **8/17/2012** SeqNo: **917321**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	51	1.0	50.00	0	102	46	134				
Methylene chloride	53	1.0	50.00	0	107	27	137				B
Tetrachloroethene	54	2.0	50.00	0	108	30	125				
Toluene	54	1.0	50.00	0	107	32	126				
trans-1,2-Dichloroethene	53	1.0	50.00	0	106	24	130				
trans-1,3-Dichloropropene	45	1.0	50.00	0	90.0	30	120				
Trichloroethene	57	1.0	50.00	0	114	41	125				
Trichlorofluoromethane	56	1.0	50.00	0	112	38	149				
Vinyl chloride	64	1.0	50.00	0	129	24	152				
Surr: 4-Bromofluorobenzene	52		50.00		104	63	123				
Surr: Dibromofluoromethane	52		50.00		105	68	124				
Surr: Toluene-d8	50		50.00		100	67	125				

Sample ID: **VBLK-081712HW** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: **8/17/2012** RunNo: **64820**
Client ID: **PBW** Batch ID: **R64820A** TestNo: **SW8260C** Analysis Date: **8/17/2012** SeqNo: **917322**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	1.0									
1,1,1-Trichloroethane	U	1.0									
1,1,2,2-Tetrachloroethane	U	1.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0									
1,1,2-Trichloroethane	U	1.0									
1,1-Dichloroethane	U	1.0									
1,1-Dichloroethene	U	1.0									
1,1-Dichloropropene	U	1.0									
1,2,3-Trichlorobenzene	U	1.0									
1,2,3-Trichloropropane	U	1.0									
1,2,4,5-Tetramethylbenzene	U	1.0									
1,2,4-Trichlorobenzene	U	1.0									
1,2,4-Trimethylbenzene	U	1.0									
1,2-Dibromo-3-chloropropane	U	2.0									

Qualifiers:
B Analyte detected in the associated Method Blank
C Calibration %RSD/%D exceeded for non-CCC analytes
H Holding times for preparation or analy
J Analyte detected below quantitation limits
P >40% diff for detected conc between the two GC column
PQL Practical Quantitation Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits
U Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK-081712HW**	SampType: **MBLK**	TestCode: **Full8260_W**	Units: **µg/L**	Prep Date: **8/17/2012**	RunNo: **64820**
Client ID: **PBW**	Batch ID: **R64820A**	TestNo: **SW8260C**		Analysis Date: **8/17/2012**	SeqNo: **917322**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	U	1.0									
1,2-Dichlorobenzene	U	1.0									
1,2-Dichloroethane	U	1.0									
1,2-Dichloropropane	U	1.0									
1,3,5-Trimethylbenzene	U	1.0									
1,3-Dichlorobenzene	U	1.0									
1,3-dichloropropane	U	1.0									
1,4-Dichlorobenzene	U	1.0									
1,4-Dioxane	U	1.0									
2,2-Dichloropropane	U	1.0									
2-Butanone	U	2.5									
2-Chloroethyl vinyl ether	U	1.0									
2-Chlorotoluene	U	1.0									
2-Hexanone	U	2.5									
2-Propanol	U	1.0									
4-Chlorotoluene	U	1.0									
4-Isopropyltoluene	U	1.0									
4-Methyl-2-pentanone	U	2.5									
Acetone	U	5.0									
Acrolein	U	10									C
Acrylonitrile	U	1.0									
Benzene	U	1.0									
Bromobenzene	U	1.0									
Bromochloromethane	U	1.0									
Bromodichloromethane	U	1.0									
Bromoform	U	1.0									
Bromomethane	U	1.0									C
Carbon disulfide	U	1.0									
Carbon tetrachloride	U	1.0									
Chlorobenzene	U	1.0									
Chlorodifluoromethane	U	1.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK-081712HW**	SampType: **MBLK**	TestCode: **Full8260_W**	Units: **µg/L**	Prep Date: **8/17/2012**	RunNo: **64820**
Client ID: **PBW**	Batch ID: **R64820A**	TestNo: **SW8260C**		Analysis Date: **8/17/2012**	SeqNo: **917322**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	U	1.0									
Chloroform	U	1.0									
Chloromethane	U	1.0									
cis-1,2-Dichloroethene	U	1.0									
cis-1,3-Dichloropropene	U	1.0									
Dibromochloromethane	U	1.0									
Dibromomethane	U	1.0									
Dichlorodifluoromethane	U	1.0									
Diisopropyl ether	U	1.0									
Ethanol	U	5.0									
Ethyl acetate	U	1.0									
Ethylbenzene	U	1.0									
Freon-114	U	1.0									
Hexachlorobutadiene	U	1.0									
Isopropyl acetate	U	2.0									
Isopropylbenzene	U	1.0									
m,p-Xylene	U	2.0									
Methyl Acetate	U	2.0									
Methyl tert-butyl ether	U	1.0									
Methylene chloride	6.8	1.0									
n-Amyl acetate	U	1.0									
Naphthalene	U	1.0									
n-Butyl acetate	U	2.0									
n-Butylbenzene	U	1.0									
n-Propyl acetate	U	1.0									
n-Propylbenzene	U	1.0									
o-Xylene	U	1.0									
p-Diethylbenzene	U	1.0									
p-Ethyltoluene	U	1.0									
sec-Butylbenzene	U	1.0									
Styrene	U	1.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK-081712HW**	SampType: **MBLK**	TestCode: **Full8260_W**	Units: **µg/L**	Prep Date: **8/17/2012**	RunNo: **64820**
Client ID: **PBW**	Batch ID: **R64820A**	TestNo: **SW8260C**		Analysis Date: **8/17/2012**	SeqNo: **917322**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
t-Butyl alcohol	U	2.0									
tert-Butylbenzene	U	1.0									
Tetrachloroethene	U	2.0									
Toluene	U	1.0									
trans-1,2-Dichloroethene	U	1.0									
trans-1,3-Dichloropropene	U	1.0									
Trichloroethene	U	1.0									
Trichlorofluoromethane	U	1.0									
Vinyl acetate	U	1.0									
Vinyl chloride	U	1.0									
Surr: 4-Bromofluorobenzene	49		50.00		97.7	63	123				
Surr: Dibromofluoromethane	54		50.00		108	68	124				
Surr: Toluene-d8	46		50.00		92.2	67	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

American Analytical Laboratories, LLC.

Date: *22-Aug-12*

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **1208150-06AMSD** SampType: **MSD** TestCode: **DryFull8260_** Units: **µg/Kg-dry** Prep Date: RunNo: **64820**
Client ID: **SB-3 (9-11')** Batch ID: **R64820B** TestNo: **SW8260C** Analysis Date: **8/17/2012** SeqNo: **917396**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	58	2.1	53.59	0	107	26	108	58.14	1.04	20	
1,1,2,2-Tetrachloroethane	55	2.1	53.59	0	103	18	109	52.67	4.55	20	
1,1,2-Trichloroethane	54	2.1	53.59	0	101	21	105	54.86	1.58	20	
1,1-Dichloroethane	57	2.1	53.59	0	106	28	108	54.52	3.89	20	
1,1-Dichloroethene	57	2.1	53.59	0	106	24	110	54.07	5.34	20	
1,2-Dichlorobenzene	51	2.1	53.59	0	95.0	18	108	53.44	4.81	20	
1,2-Dichloroethane	56	2.1	53.59	0	105	21	105	54.18	3.61	20	
1,2-Dichloropropane	55	2.1	53.59	0	102	29	107	55.38	0.953	20	
1,3-Dichlorobenzene	50	2.1	53.59	0	94.1	20	115	52.87	4.77	20	
1,4-Dichlorobenzene	48	2.1	53.59	0	89.5	21	117	49.27	2.64	20	
Benzene	56	2.1	53.59	0	105	30	103	56.68	0.417	20	S
Bromodichloromethane	52	2.1	53.59	0	97.8	22	106	53.25	1.62	20	
Bromoform	52	2.1	53.59	0	97.2	20	113	49.57	4.91	20	
Bromomethane	43	2.1	53.59	0	80.8	20	109	46.96	8.12	20	
Carbon tetrachloride	56	2.1	53.59	0	105	23	111	57.37	2.23	20	
Chlorobenzene	54	2.1	53.59	0	100	27	117	55.28	3.15	20	
Chloroethane	31	2.1	53.59	0	58.1	30	130	32.42	3.98	20	C
Chloroform	57	2.1	53.59	0	106	24	112	57.60	0.916	20	
Chloromethane	63	2.1	53.59	0	118	21	110	52.34	18.9	20	S
cis-1,3-Dichloropropene	49	2.1	53.59	0	91.0	20	104	49.14	0.810	20	
Dibromochloromethane	50	2.1	53.59	0	94.0	22	104	50.73	0.742	20	
Ethylbenzene	55	2.1	53.59	0	102	30	115	56.85	3.84	20	
Methylene chloride	55	2.1	53.59	8.033	87.8	22	104	56.72	2.88	20	B
Tetrachloroethene	51	2.1	53.59	1.194	93.5	20	103	53.76	4.69	20	
Toluene	53	2.1	53.59	0	98.9	20	115	54.57	2.87	20	
trans-1,2-Dichloroethene	56	2.1	53.59	0	104	23	107	55.86	0.519	20	
trans-1,3-Dichloropropene	44	2.1	53.59	0	82.4	20	105	45.47	2.87	20	
Trichloroethene	51	2.1	53.59	0	95.5	22	138	52.90	3.29	20	
Trichlorofluoromethane	62	2.1	53.59	0	115	22	131	52.66	15.7	20	C
Vinyl chloride	64	2.1	53.59	0	120	25	107	63.31	1.83	20	S

Qualifiers:
B Analyte detected in the associated Method Blank
C Calibration %RSD/%D exceeded for non-CCC analytes
H Holding times for preparation or analy
J Analyte detected below quantitation limits
P >40% diff for detected conc between the two GC column
PQL Practical Quantitation Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits
U Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **1208150-06AMSD** SampType: **MSD** TestCode: **DryFull8260_** Units: **µg/Kg-dry** Prep Date: RunNo: **64820**
Client ID: **SB-3 (9-11')** Batch ID: **R64820B** TestNo: **SW8260C** Analysis Date: **8/17/2012** SeqNo: **917396**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	53		53.59		99.6	42	133		0	0	
Surr: Dibromofluoromethane	53		53.59		99.5	50	133		0	0	
Surr: Toluene-d8	54		53.59		101	53	130		0	0	

Sample ID: **1208150-06AMS** SampType: **MS** TestCode: **DryFull8260_** Units: **µg/Kg-dry** Prep Date: RunNo: **64820**
Client ID: **SB-3 (9-11')** Batch ID: **R64820C** TestNo: **SW8260C** Analysis Date: **8/17/2012** SeqNo: **917402**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	58	2.1	53.59	0	108	26	108				S
1,1,2,2-Tetrachloroethane	53	2.1	53.59	0	98.3	18	109				
1,1,2-Trichloroethane	55	2.1	53.59	0	102	21	105				
1,1-Dichloroethane	55	2.1	53.59	0	102	28	108				
1,1-Dichloroethene	54	2.1	53.59	0	101	24	110				
1,2-Dichlorobenzene	53	2.1	53.59	0	99.7	18	108				
1,2-Dichloroethane	54	2.1	53.59	0	101	21	105				
1,2-Dichloropropane	55	2.1	53.59	0	103	29	107				
1,3-Dichlorobenzene	53	2.1	53.59	0	98.7	20	115				
1,4-Dichlorobenzene	49	2.1	53.59	0	91.9	21	117				
Benzene	57	2.1	53.59	0	106	30	103				S
Bromodichloromethane	53	2.1	53.59	0	99.4	22	106				
Bromoform	50	2.1	53.59	0	92.5	20	113				
Bromomethane	47	2.1	53.59	0	87.6	20	109				
Carbon tetrachloride	57	2.1	53.59	0	107	23	111				
Chlorobenzene	55	2.1	53.59	0	103	27	117				
Chloroethane	32	2.1	53.59	0	60.5	30	130				C
Chloroform	58	2.1	53.59	0	107	24	112				
Chloromethane	52	2.1	53.59	0	97.7	21	110				
cis-1,3-Dichloropropene	49	2.1	53.59	0	91.7	20	104				
Dibromochloromethane	51	2.1	53.59	0	94.7	22	104				
Ethylbenzene	57	2.1	53.59	0	106	30	115				
Methylene chloride	57	2.1	53.59	8.033	90.8	22	104				B

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208150
Project: 429 Merrick Rd., Lynbrook, NY (ACT #7045-L

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **1208150-06AMS** SampType: **MS** TestCode: **DryFull8260_** Units: **µg/Kg-dry** Prep Date: RunNo: **64820**
Client ID: **SB-3 (9-11')** Batch ID: **R64820C** TestNo: **SW8260C** Analysis Date: **8/17/2012** SeqNo: **917402**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	54	2.1	53.59	1.194	98.1	20	103				
Toluene	55	2.1	53.59	0	102	20	115				
trans-1,2-Dichloroethene	56	2.1	53.59	0	104	23	107				
trans-1,3-Dichloropropene	45	2.1	53.59	0	84.8	20	105				
Trichloroethene	53	2.1	53.59	0	98.7	22	138				
Trichlorofluoromethane	53	2.1	53.59	0	98.3	22	131				
Vinyl chloride	63	2.1	53.59	0	118	25	107				S
Surr: 4-Bromofluorobenzene	52		53.59		96.3	42	133				
Surr: Dibromofluoromethane	54		53.59		100	50	133				
Surr: Toluene-d8	53		53.59		99.2	53	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

AMERICAN ANALYTICAL LABORATORIES

NYSDOH 11418
NJDEP NY050
CTDOH PH-0205
PADEP 68-00573

Friday, August 10, 2012

Paul P. Stewart
Advanced Cleanup Technologies, Inc.
960 So. Broadway, Suite 100
Hicksville, NY 11801

TEL: (516) 933-0655
FAX (516) 933-0659

RE: 429 Merrick Rd., Lynbrook, NY (#7045-LB

Order No.: 1208090

Dear Paul P. Stewart:

American Analytical Laboratories, LLC. received 1 sample(s) on 7/25/2012 for the analyses presented in the following report.

Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report.

The results reported herein relate only to the items tested or to the samples as received by the laboratory. This report may not be reproduced, except in full, without the approval of American Analytical Laboratories, LLC and is not considered complete without a cover page and chain of custody documentation. The limits (LOQ) provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

There were no problems with the analyses and all data for associated QC met laboratory specifications. If there are any exceptions a Case Narrative is provided in the report or the data is qualified either on the sample results or in the QC section of the report. This package has been reviewed by American Analytical Laboratories' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. This report consists of 6 pages.

If you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at lbeyer@american-analytical.com.

Sincerely,

Lori Beyer
Lab Director

American Analytical Laboratories, LLC.

Date: *10-Aug-12*

CLIENT: Advanced Cleanup Technologies, Inc.
Project: 429 Merrick Rd., Lynbrook, NY (#7045-LBNY)
Lab Order: 1208090

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date Collected	Date Received
1208090-01A	DW-1	7/24/2012 3:00:00 PM	7/25/2012

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027
www.american-analytical.com

NYSDOH	11418
CTDOH	PH-0205
NJDEP	NY050
PADEP	68-573

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: 360 S. Broadway Hicksville, NY

CONTACT: Paul Stewart

SAMPLER (SIGNATURE): [signature]

SAMPLER NAME (PRINT): Yisong Yan

SAMPLE(S) SEALED: YES / NO (YES circled)

CORRECT CONTAINER(S): YES / NO (YES circled)

TEMPERATURE (° C): 3.6

PROJECT LOCATION: #7045 - LBNY
429 Merrick Rd, Lynbrook, NY

ANALYSIS REQUIRED: EPA 8260; EPA 8270 (STARS); RCRA Metals

LABORATORY ID# LAB USE ONLY	MATRIX/ TYPE	NO. OF CONTAINERS	SAMPLING DATE	SAMPLING TIME	SAMPLE # - LOCATION	EPA 8260	EPA 8270 (STARS)	RCRA Metals	
1007??-01A	S	4	7/24	3:00pm	DW - 1	X	X	X	← add TCLP lead 8/9/12 per PAUL
02A	C	4	7/24	9:00am	DIV - 3	X	X	X	
03A	C	4	7/24	11:00am	DIV - 4	X	X	X	1208090-01A

COMMENTS / INSTRUCTIONS

Samples must be on ICE
(<6° C)

MATRIX S=SOIL; W=WATER; SL=SLUDGE; A=AIR; M=MISCELLANEOUS

TYPE G=GRAB; C=COMPOSITE

TURNAROUND REQUIRED
STANDARD ☑ (7-10 business days) STAT ☐ BY / /

E-MAIL ADDRESS FOR RESULTS:

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
[signature]		Yisong	[signature]	7/24 / 1753	C. Kerrigan

WHITE-OFFICE / CANARY-LAB / PINK-SAMPLE CUSTODIAN / GOLDENROD-CLIENT

erican Analytical Laboratories, LLC.

Sample Receipt Checklist

Client Name **ADVANCED CLEANUP TECH** Date and Time Receive **7/25/2012 2:59:18 PM**

Work Order Numbe **1207231** RcptNo: **1** Received by **CF**

COC_ID: CoolerID:

Checklist completed b Signature 7/25/12 Date Reviewed by Initials 7/25/12 Date

Matrix Carrier name Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Presen ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Presen ☑
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?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☐

Adjusted? Checked b

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted Date contacted: Person contacted

Contacted by: Regarding

Comments:

Corrective Action

American Analytical Laboratories, LLC.

Date: *10-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	DW-1
Lab Order:	1208090	**Collection Date:**	7/24/2012 3:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (#7045-LBNY)	**Matrix:**	SOIL
Lab ID:	1208090-01A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TCLP LEAD			**SW6010C**		**SW1311**		Analyst: JP
Lead	0.675	0.005	0.0500		mg/L	1	8/10/2012 10:29:05 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735
Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1208090
Project: 429 Merrick Rd., Lynbrook, NY (#7045-LBNY)

ANALYTICAL QC SUMMARY REPORT

TestCode: TCLP_PB

Sample ID: **MBW080912AT**	SampType: **MBLK**	TestCode: **TCLP_PB**	Units: **mg/L**	Prep Date:	RunNo: **64684**
Client ID: **PBS**	Batch ID: **36892**	TestNo: **SW6010C**	**SW1311**	Analysis Date: **8/10/2012**	SeqNo: **914859**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	U	0.0500									

Sample ID: **LCSW080912AT**	SampType: **LCS**	TestCode: **TCLP_PB**	Units: **mg/L**	Prep Date:	RunNo: **64684**
Client ID: **LCSS**	Batch ID: **36892**	TestNo: **SW6010C**	**SW1311**	Analysis Date: **8/10/2012**	SeqNo: **914860**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.91	0.0500	2.000	0	95.5	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

AMERICAN ANALYTICAL LABORATORIES

NYSDOH 11418
NJDEP NY050
CTDOH PH-0205
PADEP 68-00573

Friday, August 03, 2012

Paul P. Stewart
Advanced Cleanup Technologies, Inc.
960 So. Broadway, Suite 100
Hicksville, NY 11801

TEL: (516) 933-0655
FAX (516) 933-0659

RE: 429 Merrick Rd., Lynbrook, NY (7045-LB

Order No.: 1207231

Dear Paul P. Stewart:

American Analytical Laboratories, LLC. received 3 sample(s) on 7/25/2012 for the analyses presented in the following report.

Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report.

The results reported herein relate only to the items tested or to the samples as received by the laboratory. This report may not be reproduced, except in full, without the approval of American Analytical Laboratories, LLC and is not considered complete without a cover page and chain of custody documentation. The limits (LOQ) provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

There were no problems with the analyses and all data for associated QC met laboratory specifications. If there are any exceptions a Case Narrative is provided in the report or the data is qualified either on the sample results or in the QC section of the report. This package has been reviewed by American Analytical Laboratories' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. This report consists of 42 pages.

If you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at lbeyer@american-analytical.com.

Sincerely,

Lori Beyer
Lab Director

American Analytical Laboratories, LLC.

Date: *03-Aug-12*

CLIENT: Advanced Cleanup Technologies, Inc.
Project: 429 Merrick Rd., Lynbrook, NY (7045-LBNY)
Lab Order: 1207231

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date Collected	Date Received
1207231-01A	DW-1	7/24/2012 3:00:00 PM	7/25/2012
1207231-01B	DW-1	7/24/2012 3:00:00 PM	7/25/2012
1207231-02A	DW-3	7/24/2012 9:00:00 AM	7/25/2012
1207231-02B	DW-3	7/24/2012 9:00:00 AM	7/25/2012
1207231-03A	DW-4	7/24/2012 11:00:00 AM	7/25/2012
1207231-03B	DW-4	7/24/2012 11:00:00 AM	7/25/2012

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NYSDOH	11418
CTDOH	PH-0205
NJDEP	NY050
PADEP	68-573

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS
960 S. Broadway
Hicksville, NY

CONTACT: Paul Stewart

SAMPLER (SIGNATURE)

SAMPLER NAME (PRINT): Yisong Yang

SAMPLE(S) SEALED: YES / NO

CORRECT CONTAINER(S): YES / NO

TEMPERATURE (° C): 5.6

PROJECT LOCATION: #7045-LBNY
429 Merrick Rd, Lybrook, NY

LABORATORY ID# LAB USE ONLY	MATRIX/ TYPE	NO. OF CONTAINERS	SAMPLING DATE	SAMPLING TIME	SAMPLE # - LOCATION	ANALYSIS REQUIRED: EPA 8260	EPA 8270 (BN)	RCRA Metal
120721-01AB	C	4	7/24	3:00pm	DW-1	X	X	X
02AB	C	4	7/24	9:00Am	DW-3	X	X	X
03AB	C	4	7/24	11:00Am	DW-4	X	X	X

COMMENTS / INSTRUCTIONS

Samples must be on ICE (<6° C)

MATRIX S=SOIL; W=WATER; SL=SLUDGE; A=AIR; M=MISCELLANEOUS
TYPE G=GRAB; C=COMPOSITE

TURNAROUND REQUIRED
STANDARD ☒ STAT ☐ BY / /
(7-10 business days)

E-MAIL ADDRESS FOR RESULTS:

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
		Yisong		7/25/12 1453	
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

WHITE-OFFICE / CANARY-LAB / PINK-SAMPLE CUSTODIAN / GOLDENROD-CLIENT

American Analytical Laboratories, LLC.

Sample Receipt Checklist

Client Name **ADVANCED CLEANUP TECH** Date and Time Receive **7/25/2012 2:59:18 PM**

Work Order Numbe **1207231** RcptNo: **1** Received by **CF**

COC_ID: CoolerID:

Checklist completed b Signature 7/25/12 Date Reviewed by Initials 7/25/12 Date

Matrix Carrier name Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Presen ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Presen ☑
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?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☐

Adjusted? Checked b

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted Date contacted: Person contacted

Contacted by: Regarding

Comments:

Corrective Action

American Analytical Laboratories, LLC.

Date: *03-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	DW-1
Lab Order:	1207231	**Collection Date:**	7/24/2012 3:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (7045-LBNY)	**Matrix:**	SOIL
Lab ID:	1207231-01A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
1,1,1,2-Tetrachloroethane	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
1,1,1-Trichloroethane	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
1,1,2,2-Tetrachloroethane	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
1,1,2-Trichloroethane	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
1,1-Dichloroethane	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
1,1-Dichloroethene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
1,1-Dichloropropene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
1,2,3-Trichlorobenzene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
1,2,3-Trichloropropane	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
1,2,4,5-Tetramethylbenzene	1.0	0.33	2.7	J	µg/Kg-dry	1	7/26/2012 12:39:00 PM
1,2,4-Trichlorobenzene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
1,2,4-Trimethylbenzene	7.9	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
1,2-Dibromo-3-chloropropane	U	0.67	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
1,2-Dibromoethane	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
1,2-Dichlorobenzene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
1,2-Dichloroethane	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
1,2-Dichloropropane	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
1,3,5-Trimethylbenzene	2.3	0.33	2.7	J	µg/Kg-dry	1	7/26/2012 12:39:00 PM
1,3-Dichlorobenzene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
1,3-dichloropropane	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
1,4-Dichlorobenzene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
1,4-Dioxane	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
2,2-Dichloropropane	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
2-Butanone	U	1.67	6.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
2-Chloroethyl vinyl ether	U	0.67	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
2-Chlorotoluene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
2-Hexanone	U	1.67	6.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
2-Propanol	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
4-Chlorotoluene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
4-Isopropyltoluene	0.41	0.33	2.7	J	µg/Kg-dry	1	7/26/2012 12:39:00 PM
4-Methyl-2-pentanone	U	1.67	6.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Acetone	24	1.67	6.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM

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American Analytical Laboratories, LLC.

Date: *03-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	DW-1
Lab Order:	1207231	**Collection Date:**	7/24/2012 3:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (7045-LBNY)	**Matrix:**	SOIL
Lab ID:	1207231-01A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Acrolein	U	6.69	13		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Acrylonitrile	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Benzene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Bromobenzene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Bromochloromethane	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Bromodichloromethane	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Bromoform	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Bromomethane	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Carbon disulfide	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Carbon tetrachloride	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Chlorobenzene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Chlorodifluoromethane	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Chloroethane	U	0.33	2.7	C	µg/Kg-dry	1	7/26/2012 12:39:00 PM
Chloroform	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Chloromethane	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
cis-1,2-Dichloroethene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
cis-1,3-Dichloropropene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Dibromochloromethane	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Dibromomethane	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Dichlorodifluoromethane	U	0.33	2.7	C	µg/Kg-dry	1	7/26/2012 12:39:00 PM
Diisopropyl ether	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Ethanol	U	3.34	6.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Ethyl acetate	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Ethylbenzene	2.6	0.33	2.7	J	µg/Kg-dry	1	7/26/2012 12:39:00 PM
Freon-114	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Hexachlorobutadiene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Isopropyl acetate	U	1.34	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Isopropylbenzene	0.36	0.33	2.7	J	µg/Kg-dry	1	7/26/2012 12:39:00 PM
m,p-Xylene	9.1	0.67	5.4		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Methyl Acetate	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Methyl tert-butyl ether	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Methylene chloride	9.6	0.33	2.7	B	µg/Kg-dry	1	7/26/2012 12:39:00 PM
n-Amyl acetate	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM

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American Analytical Laboratories, LLC.

Date: *03-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	DW-1
Lab Order:	1207231	**Collection Date:**	7/24/2012 3:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (7045-LBNY)	**Matrix:**	SOIL
Lab ID:	1207231-01A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Naphthalene	1.1	0.33	2.7	J	µg/Kg-dry	1	7/26/2012 12:39:00 PM
n-Butyl acetate	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
n-Butylbenzene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
n-Propyl acetate	U	0.67	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
n-Propylbenzene	0.63	0.33	2.7	J	µg/Kg-dry	1	7/26/2012 12:39:00 PM
o-Xylene	5.9	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
p-Diethylbenzene	1.1	0.33	2.7	J	µg/Kg-dry	1	7/26/2012 12:39:00 PM
p-Ethyltoluene	3.9	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
sec-Butylbenzene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Styrene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
t-Butyl alcohol	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
tert-Butylbenzene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Tetrachloroethene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Toluene	1.6	0.33	2.7	J	µg/Kg-dry	1	7/26/2012 12:39:00 PM
trans-1,2-Dichloroethene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
trans-1,3-Dichloropropene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Trichloroethene	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Trichlorofluoromethane	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Vinyl acetate	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Vinyl chloride	U	0.33	2.7		µg/Kg-dry	1	7/26/2012 12:39:00 PM
Surr: 4-Bromofluorobenzene	98.1	0	42-133		%REC	1	7/26/2012 12:39:00 PM
Surr: Dibromofluoromethane	103	0	50-133		%REC	1	7/26/2012 12:39:00 PM
Surr: Toluene-d8	103	0	53-130		%REC	1	7/26/2012 12:39:00 PM

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American Analytical Laboratories, LLC.

Date: *03-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	DW-1
Lab Order:	1207231	**Collection Date:**	7/24/2012 3:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (7045-LBNY)	**Matrix:**	SOIL
Lab ID:	1207231-01B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **PAV**
Mercury	0.105	0.006	0.0121		mg/Kg-dry	1	7/26/2012 2:58:49 PM
PERCENT MOISTURE			**D2216**				Analyst: **CF**
Percent Moisture	25.0	0	0		wt%	1	7/27/2012
RCRA METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Arsenic	1.40	0.26	0.661		mg/Kg-dry	1	7/26/2012 12:58:13 PM
Barium	62.3	0.26	0.529		mg/Kg-dry	1	7/26/2012 12:58:13 PM
Cadmium	0.992	0.13	0.529		mg/Kg-dry	1	7/26/2012 12:58:13 PM
Chromium	6.30	0.13	0.529		mg/Kg-dry	1	7/26/2012 12:58:13 PM
Lead	222	0.26	0.529		mg/Kg-dry	1	7/26/2012 12:58:13 PM
Selenium	U	0.26	0.661		mg/Kg-dry	1	7/26/2012 12:58:13 PM
Silver	0.250	0.13	0.529	J	mg/Kg-dry	1	7/26/2012 12:58:13 PM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
1,2-Dichlorobenzene	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
1,3-Dichlorobenzene	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
1,4-Dichlorobenzene	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
2,3,4,6-Tetrachlorophenol	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
2,4,5-Trichlorophenol	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
2,4,6-Trichlorophenol	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
2,4-Dichlorophenol	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
2,4-Dimethylphenol	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
2,4-Dinitrophenol	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
2,4-Dinitrotoluene	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
2,6-Dinitrotoluene	U	66.6	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
2-Chloronaphthalene	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
2-Chlorophenol	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
2-Methylnaphthalene	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
2-Methylphenol	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
2-Nitroaniline	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
2-Nitrophenol	U	66.6	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
3,3'-Dichlorobenzidine	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM

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Date: *03-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	DW-1
Lab Order:	1207231	**Collection Date:**	7/24/2012 3:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (7045-LBNY)	**Matrix:**	SOIL
Lab ID:	1207231-01B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
3+4-Methylphenol	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
3-Nitroaniline	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
4,6-Dinitro-2-methylphenol	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
4-Bromophenyl phenyl ether	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
4-Chloro-3-methylphenol	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
4-Chloroaniline	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
4-Chlorophenyl phenyl ether	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
4-Nitroaniline	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
4-Nitrophenol	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Acenaphthene	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Acenaphthylene	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Acetophenone	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Aniline	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Anthracene	300	33.3	330	J	µg/Kg-dry	1	8/2/2012 4:18:00 PM
Atrazine	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Azobenzene	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Benzaldehyde	U	66.6	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Benzidine	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Benzo(a)anthracene	390	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Benzo(a)pyrene	380	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Benzo(b)fluoranthene	440	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Benzo(g,h,i)perylene	260	33.3	330	J	µg/Kg-dry	1	8/2/2012 4:18:00 PM
Benzo(k)fluoranthene	470	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Benzoic acid	95	66.6	330	J	µg/Kg-dry	1	8/2/2012 4:18:00 PM
Benzyl alcohol	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Biphenyl	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Bis(2-chloroethoxy)methane	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Bis(2-chloroethyl)ether	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Bis(2-chloroisopropyl)ether	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Bis(2-ethylhexyl)phthalate	1100	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Butyl benzyl phthalate	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Caprolactam	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Carbazole	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM

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Date: *03-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	DW-1
Lab Order:	1207231	**Collection Date:**	7/24/2012 3:00:00 PM
Project:	429 Merrick Rd., Lynbrook, NY (7045-LBNY)	**Matrix:**	SOIL
Lab ID:	1207231-01B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Chrysene	500	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Dibenzo(a,h)anthracene	49	33.3	330	J	µg/Kg-dry	1	8/2/2012 4:18:00 PM
Dibenzofuran	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Diethyl phthalate	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Dimethyl phthalate	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Di-n-butyl phthalate	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Di-n-octyl phthalate	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Fluoranthene	550	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Fluorene	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Hexachlorobenzene	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Hexachlorobutadiene	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Hexachlorocyclopentadiene	U	66.6	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Hexachloroethane	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Indeno(1,2,3-c,d)pyrene	250	33.3	330	J	µg/Kg-dry	1	8/2/2012 4:18:00 PM
Isophorone	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Naphthalene	62	33.3	330	J	µg/Kg-dry	1	8/2/2012 4:18:00 PM
Nitrobenzene	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
N-Nitrosodimethylamine	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
N-Nitrosodi-n-propylamine	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
N-Nitrosodiphenylamine	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Parathion	U	66.6	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Pentachlorophenol	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Phenanthrene	310	33.3	330	J	µg/Kg-dry	1	8/2/2012 4:18:00 PM
Phenol	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Pyrene	1100	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Pyridine	U	33.3	330		µg/Kg-dry	1	8/2/2012 4:18:00 PM
Surr: 2,4,6-Tribromophenol	78.0	0	10-137		%REC	1	8/2/2012 4:18:00 PM
Surr: 2-Fluorobiphenyl	76.6	0	22-146		%REC	1	8/2/2012 4:18:00 PM
Surr: 2-Fluorophenol	33.4	0	10-125		%REC	1	8/2/2012 4:18:00 PM
Surr: 4-Terphenyl-d14	110	0	14-149		%REC	1	8/2/2012 4:18:00 PM
Surr: Nitrobenzene-d5	59.4	0	14-148		%REC	1	8/2/2012 4:18:00 PM
Surr: Phenol-d6	54.8	0	10-126		%REC	1	8/2/2012 4:18:00 PM

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American Analytical Laboratories, LLC.

Date: *03-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	DW-3
Lab Order:	1207231	**Collection Date:**	7/24/2012 9:00:00 AM
Project:	429 Merrick Rd., Lynbrook, NY (7045-LBNY)	**Matrix:**	SOIL
Lab ID:	1207231-02A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
1,1,1,2-Tetrachloroethane	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
1,1,1-Trichloroethane	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
1,1,2,2-Tetrachloroethane	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
1,1,2-Trichloroethane	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
1,1-Dichloroethane	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
1,1-Dichloroethene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
1,1-Dichloropropene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
1,2,3-Trichlorobenzene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
1,2,3-Trichloropropane	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
1,2,4,5-Tetramethylbenzene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
1,2,4-Trichlorobenzene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
1,2,4-Trimethylbenzene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
1,2-Dibromo-3-chloropropane	U	0.65	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
1,2-Dibromoethane	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
1,2-Dichlorobenzene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
1,2-Dichloroethane	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
1,2-Dichloropropane	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
1,3,5-Trimethylbenzene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
1,3-Dichlorobenzene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
1,3-dichloropropane	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
1,4-Dichlorobenzene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
1,4-Dioxane	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
2,2-Dichloropropane	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
2-Butanone	U	1.62	6.5		µg/Kg-dry	1	7/27/2012 12:07:00 PM
2-Chloroethyl vinyl ether	U	0.65	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
2-Chlorotoluene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
2-Hexanone	U	1.62	6.5		µg/Kg-dry	1	7/27/2012 12:07:00 PM
2-Propanol	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
4-Chlorotoluene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
4-Isopropyltoluene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
4-Methyl-2-pentanone	U	1.62	6.5		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Acetone	U	1.62	6.5		µg/Kg-dry	1	7/27/2012 12:07:00 PM

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American Analytical Laboratories, LLC.

Date: *03-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	DW-3
Lab Order:	1207231	**Collection Date:**	7/24/2012 9:00:00 AM
Project:	429 Merrick Rd., Lynbrook, NY (7045-LBNY)	**Matrix:**	SOIL
Lab ID:	1207231-02A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Acrolein	U	6.46	13	C	µg/Kg-dry	1	7/27/2012 12:07:00 PM
Acrylonitrile	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Benzene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Bromobenzene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Bromochloromethane	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Bromodichloromethane	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Bromoform	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Bromomethane	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Carbon disulfide	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Carbon tetrachloride	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Chlorobenzene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Chlorodifluoromethane	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Chloroethane	U	0.32	2.6	C	µg/Kg-dry	1	7/27/2012 12:07:00 PM
Chloroform	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Chloromethane	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
cis-1,2-Dichloroethene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
cis-1,3-Dichloropropene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Dibromochloromethane	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Dibromomethane	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Dichlorodifluoromethane	U	0.32	2.6	C	µg/Kg-dry	1	7/27/2012 12:07:00 PM
Diisopropyl ether	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Ethanol	U	3.23	6.5		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Ethyl acetate	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Ethylbenzene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Freon-114	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Hexachlorobutadiene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Isopropyl acetate	U	1.29	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Isopropylbenzene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
m,p-Xylene	U	0.65	5.2		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Methyl Acetate	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Methyl tert-butyl ether	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Methylene chloride	9.1	0.32	2.6	B	µg/Kg-dry	1	7/27/2012 12:07:00 PM
n-Amyl acetate	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM

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American Analytical Laboratories, LLC.

Date: *03-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	DW-3
Lab Order:	1207231	**Collection Date:**	7/24/2012 9:00:00 AM
Project:	429 Merrick Rd., Lynbrook, NY (7045-LBNY)	**Matrix:**	SOIL
Lab ID:	1207231-02A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Naphthalene	2.7	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
n-Butyl acetate	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
n-Butylbenzene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
n-Propyl acetate	U	0.65	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
n-Propylbenzene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
o-Xylene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
p-Diethylbenzene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
p-Ethyltoluene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
sec-Butylbenzene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Styrene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
t-Butyl alcohol	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
tert-Butylbenzene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Tetrachloroethene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Toluene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
trans-1,2-Dichloroethene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
trans-1,3-Dichloropropene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Trichloroethene	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Trichlorofluoromethane	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Vinyl acetate	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Vinyl chloride	U	0.32	2.6		µg/Kg-dry	1	7/27/2012 12:07:00 PM
Surr: 4-Bromofluorobenzene	91.5	0	42-133		%REC	1	7/27/2012 12:07:00 PM
Surr: Dibromofluoromethane	86.2	0	50-133		%REC	1	7/27/2012 12:07:00 PM
Surr: Toluene-d8	101	0	53-130		%REC	1	7/27/2012 12:07:00 PM

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Date: *03-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	DW-3
Lab Order:	1207231	**Collection Date:**	7/24/2012 9:00:00 AM
Project:	429 Merrick Rd., Lynbrook, NY (7045-LBNY)	**Matrix:**	SOIL
Lab ID:	1207231-02B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **PAV**
Mercury	0.0746	0.006	0.0111		mg/Kg-dry	1	7/26/2012 3:00:57 PM
PERCENT MOISTURE			**D2216**				Analyst: **CF**
Percent Moisture	23.3	0	0		wt%	1	7/27/2012
RCRA METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Arsenic	0.559	0.26	0.639	J	mg/Kg-dry	1	7/26/2012 1:00:13 PM
Barium	10.4	0.26	0.511		mg/Kg-dry	1	7/26/2012 1:00:13 PM
Cadmium	0.145	0.13	0.511	J	mg/Kg-dry	1	7/26/2012 1:00:13 PM
Chromium	6.64	0.13	0.511		mg/Kg-dry	1	7/26/2012 1:00:13 PM
Lead	51.4	0.26	0.511		mg/Kg-dry	1	7/26/2012 1:00:13 PM
Selenium	U	0.26	0.639		mg/Kg-dry	1	7/26/2012 1:00:13 PM
Silver	U	0.13	0.511		mg/Kg-dry	1	7/26/2012 1:00:13 PM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
1,2,4-Trichlorobenzene	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
1,2-Dichlorobenzene	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
1,3-Dichlorobenzene	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
1,4-Dichlorobenzene	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
2,3,4,6-Tetrachlorophenol	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
2,4,5-Trichlorophenol	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
2,4,6-Trichlorophenol	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
2,4-Dichlorophenol	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
2,4-Dimethylphenol	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
2,4-Dinitrophenol	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
2,4-Dinitrotoluene	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
2,6-Dinitrotoluene	U	65.2	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
2-Chloronaphthalene	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
2-Chlorophenol	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
2-Methylnaphthalene	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
2-Methylphenol	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
2-Nitroaniline	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
2-Nitrophenol	U	65.2	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
3,3´-Dichlorobenzidine	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM

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Date: *03-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	DW-3
Lab Order:	1207231	**Collection Date:**	7/24/2012 9:00:00 AM
Project:	429 Merrick Rd., Lynbrook, NY (7045-LBNY)	**Matrix:**	SOIL
Lab ID:	1207231-02B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
3+4-Methylphenol	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
3-Nitroaniline	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
4,6-Dinitro-2-methylphenol	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
4-Bromophenyl phenyl ether	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
4-Chloro-3-methylphenol	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
4-Chloroaniline	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
4-Chlorophenyl phenyl ether	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
4-Nitroaniline	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
4-Nitrophenol	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Acenaphthene	71	32.6	330	J	µg/Kg-dry	1	8/2/2012 4:43:00 PM
Acenaphthylene	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Acetophenone	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Aniline	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Anthracene	700	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Atrazine	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Azobenzene	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Benzaldehyde	U	65.2	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Benzidine	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Benzo(a)anthracene	1100	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Benzo(a)pyrene	1600	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Benzo(b)fluoranthene	1700	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Benzo(g,h,i)perylene	1600	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Benzo(k)fluoranthene	1600	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Benzoic acid	U	65.2	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Benzyl alcohol	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Biphenyl	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Bis(2-chloroethoxy)methane	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Bis(2-chloroethyl)ether	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Bis(2-chloroisopropyl)ether	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Bis(2-ethylhexyl)phthalate	560	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Butyl benzyl phthalate	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Caprolactam	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Carbazole	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM

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Qualifiers:

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PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *03-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	DW-3
Lab Order:	1207231	**Collection Date:**	7/24/2012 9:00:00 AM
Project:	429 Merrick Rd., Lynbrook, NY (7045-LBNY)	**Matrix:**	SOIL
Lab ID:	1207231-02B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Chrysene	1500	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Dibenzo(a,h)anthracene	470	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Dibenzofuran	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Diethyl phthalate	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Dimethyl phthalate	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Di-n-butyl phthalate	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Di-n-octyl phthalate	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Fluoranthene	1500	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Fluorene	70	32.6	330	J	µg/Kg-dry	1	8/2/2012 4:43:00 PM
Hexachlorobenzene	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Hexachlorobutadiene	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Hexachlorocyclopentadiene	U	65.2	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Hexachloroethane	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Indeno(1,2,3-c,d)pyrene	1700	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Isophorone	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Naphthalene	45	32.6	330	J	µg/Kg-dry	1	8/2/2012 4:43:00 PM
Nitrobenzene	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
N-Nitrosodimethylamine	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
N-Nitrosodi-n-propylamine	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
N-Nitrosodiphenylamine	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Parathion	U	65.2	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Pentachlorophenol	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Phenanthrene	730	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Phenol	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Pyrene	2600	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Pyridine	U	32.6	330		µg/Kg-dry	1	8/2/2012 4:43:00 PM
Surr: 2,4,6-Tribromophenol	86.1	0	10-137		%REC	1	8/2/2012 4:43:00 PM
Surr: 2-Fluorobiphenyl	69.7	0	22-146		%REC	1	8/2/2012 4:43:00 PM
Surr: 2-Fluorophenol	30.7	0	10-125		%REC	1	8/2/2012 4:43:00 PM
Surr: 4-Terphenyl-d14	106	0	14-149		%REC	1	8/2/2012 4:43:00 PM
Surr: Nitrobenzene-d5	56.5	0	14-148		%REC	1	8/2/2012 4:43:00 PM
Surr: Phenol-d6	46.9	0	10-126		%REC	1	8/2/2012 4:43:00 PM

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American Analytical Laboratories, LLC.

Date: *03-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	DW-4
Lab Order:	1207231	**Collection Date:**	7/24/2012 11:00:00 AM
Project:	429 Merrick Rd., Lynbrook, NY (7045-LBNY)	**Matrix:**	SOIL
Lab ID:	1207231-03A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
1,1,1,2-Tetrachloroethane	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
1,1,1-Trichloroethane	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
1,1,2,2-Tetrachloroethane	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
1,1,2-Trichloroethane	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
1,1-Dichloroethane	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
1,1-Dichloroethene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
1,1-Dichloropropene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
1,2,3-Trichlorobenzene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
1,2,3-Trichloropropane	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
1,2,4,5-Tetramethylbenzene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
1,2,4-Trichlorobenzene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
1,2,4-Trimethylbenzene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
1,2-Dibromo-3-chloropropane	U	0.59	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
1,2-Dibromoethane	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
1,2-Dichlorobenzene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
1,2-Dichloroethane	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
1,2-Dichloropropane	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
1,3,5-Trimethylbenzene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
1,3-Dichlorobenzene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
1,3-dichloropropane	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
1,4-Dichlorobenzene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
1,4-Dioxane	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
2,2-Dichloropropane	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
2-Butanone	U	1.47	5.9		µg/Kg-dry	1	7/26/2012 1:27:00 PM
2-Chloroethyl vinyl ether	U	0.59	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
2-Chlorotoluene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
2-Hexanone	U	1.47	5.9		µg/Kg-dry	1	7/26/2012 1:27:00 PM
2-Propanol	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
4-Chlorotoluene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
4-Isopropyltoluene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
4-Methyl-2-pentanone	U	1.47	5.9		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Acetone	U	1.47	5.9		µg/Kg-dry	1	7/26/2012 1:27:00 PM

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American Analytical Laboratories, LLC.

Date: *03-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	DW-4
Lab Order:	1207231	**Collection Date:**	7/24/2012 11:00:00 AM
Project:	429 Merrick Rd., Lynbrook, NY (7045-LBNY)	**Matrix:**	SOIL
Lab ID:	1207231-03A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Acrolein	U	5.88	12		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Acrylonitrile	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Benzene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Bromobenzene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Bromochloromethane	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Bromodichloromethane	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Bromoform	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Bromomethane	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Carbon disulfide	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Carbon tetrachloride	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Chlorobenzene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Chlorodifluoromethane	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Chloroethane	U	0.29	2.4	C	µg/Kg-dry	1	7/26/2012 1:27:00 PM
Chloroform	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Chloromethane	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
cis-1,2-Dichloroethene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
cis-1,3-Dichloropropene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Dibromochloromethane	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Dibromomethane	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Dichlorodifluoromethane	U	0.29	2.4	C	µg/Kg-dry	1	7/26/2012 1:27:00 PM
Diisopropyl ether	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Ethanol	U	2.94	5.9		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Ethyl acetate	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Ethylbenzene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Freon-114	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Hexachlorobutadiene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Isopropyl acetate	U	1.18	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Isopropylbenzene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
m,p-Xylene	U	0.59	4.7		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Methyl Acetate	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Methyl tert-butyl ether	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Methylene chloride	6.7	0.29	2.4	B	µg/Kg-dry	1	7/26/2012 1:27:00 PM
n-Amyl acetate	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM

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American Analytical Laboratories, LLC.

Date: *03-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	DW-4
Lab Order:	1207231	**Collection Date:**	7/24/2012 11:00:00 AM
Project:	429 Merrick Rd., Lynbrook, NY (7045-LBNY)	**Matrix:**	SOIL
Lab ID:	1207231-03A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C				Analyst: LA
Naphthalene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
n-Butyl acetate	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
n-Butylbenzene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
n-Propyl acetate	U	0.59	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
n-Propylbenzene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
o-Xylene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
p-Diethylbenzene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
p-Ethyltoluene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
sec-Butylbenzene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Styrene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
t-Butyl alcohol	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
tert-Butylbenzene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Tetrachloroethene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Toluene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
trans-1,2-Dichloroethene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
trans-1,3-Dichloropropene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Trichloroethene	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Trichlorofluoromethane	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Vinyl acetate	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Vinyl chloride	U	0.29	2.4		µg/Kg-dry	1	7/26/2012 1:27:00 PM
Surr: 4-Bromofluorobenzene	96.1	0	42-133		%REC	1	7/26/2012 1:27:00 PM
Surr: Dibromofluoromethane	107	0	50-133		%REC	1	7/26/2012 1:27:00 PM
Surr: Toluene-d8	102	0	53-130		%REC	1	7/26/2012 1:27:00 PM

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American Analytical Laboratories, LLC.

Date: *03-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	DW-4
Lab Order:	1207231	**Collection Date:**	7/24/2012 11:00:00 AM
Project:	429 Merrick Rd., Lynbrook, NY (7045-LBNY)	**Matrix:**	SOIL
Lab ID:	1207231-03B		

Certificate of Results

Analyses	Sample Result		LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY				**SW7471B**		**SW7471B**		Analyst: **PAV**
Mercury		U	0.006	0.0111		mg/Kg-dry	1	7/26/2012 3:03:06 PM
PERCENT MOISTURE				**D2216**				Analyst: **CF**
Percent Moisture		16.1	0	0		wt%	1	7/27/2012
RCRA METALS				**SW6010C**		**SW3050B**		Analyst: **JP**
Arsenic		0.719	0.23	0.573		mg/Kg-dry	1	7/26/2012 1:02:15 PM
Barium		7.25	0.23	0.459		mg/Kg-dry	1	7/26/2012 1:02:15 PM
Cadmium		U	0.12	0.459		mg/Kg-dry	1	7/26/2012 1:02:15 PM
Chromium		4.50	0.12	0.459		mg/Kg-dry	1	7/26/2012 1:02:15 PM
Lead		16.6	0.23	0.459		mg/Kg-dry	1	7/26/2012 1:02:15 PM
Selenium		U	0.23	0.573		mg/Kg-dry	1	7/26/2012 1:02:15 PM
Silver		U	0.12	0.459		mg/Kg-dry	1	7/26/2012 1:02:15 PM
SEMIVOLATILE SW-846 METHOD 8270				**SW8270D**		**SW3550C**		Analyst: **LDS**
1,2,4-Trichlorobenzene		U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
1,2-Dichlorobenzene		U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
1,3-Dichlorobenzene		U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
1,4-Dichlorobenzene		U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
2,3,4,6-Tetrachlorophenol		U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
2,4,5-Trichlorophenol		U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
2,4,6-Trichlorophenol		U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
2,4-Dichlorophenol		U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
2,4-Dimethylphenol		U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
2,4-Dinitrophenol		U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
2,4-Dinitrotoluene		U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
2,6-Dinitrotoluene		U	59.6	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
2-Chloronaphthalene		U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
2-Chlorophenol		U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
2-Methylnaphthalene		U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
2-Methylphenol		U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
2-Nitroaniline		U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
2-Nitrophenol		U	59.6	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
3,3'-Dichlorobenzidine		U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM

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Qualifiers:

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U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *03-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	DW-4
Lab Order:	1207231	**Collection Date:**	7/24/2012 11:00:00 AM
Project:	429 Merrick Rd., Lynbrook, NY (7045-LBNY)	**Matrix:**	SOIL
Lab ID:	1207231-03B		

Certificate of Results

Analyses	Sample Result		LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270				**SW8270D**		**SW3550C**		Analyst: **LDS**
3+4-Methylphenol	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
3-Nitroaniline	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
4,6-Dinitro-2-methylphenol	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
4-Bromophenyl phenyl ether	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
4-Chloro-3-methylphenol	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
4-Chloroaniline	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
4-Chlorophenyl phenyl ether	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
4-Nitroaniline	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
4-Nitrophenol	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Acenaphthene	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Acenaphthylene	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Acetophenone	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Aniline	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Anthracene	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Atrazine	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Azobenzene	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Benzaldehyde	U		59.6	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Benzidine	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Benzo(a)anthracene	72		29.8	300	J	µg/Kg-dry	1	8/2/2012 5:08:00 PM
Benzo(a)pyrene	140		29.8	300	J	µg/Kg-dry	1	8/2/2012 5:08:00 PM
Benzo(b)fluoranthene	240		29.8	300	J	µg/Kg-dry	1	8/2/2012 5:08:00 PM
Benzo(g,h,i)perylene	150		29.8	300	J	µg/Kg-dry	1	8/2/2012 5:08:00 PM
Benzo(k)fluoranthene	270		29.8	300	J	µg/Kg-dry	1	8/2/2012 5:08:00 PM
Benzoic acid	U		59.6	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Benzyl alcohol	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Biphenyl	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Bis(2-chloroethoxy)methane	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Bis(2-chloroethyl)ether	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Bis(2-chloroisopropyl)ether	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Bis(2-ethylhexyl)phthalate	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Butyl benzyl phthalate	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Caprolactam	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Carbazole	U		29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM

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LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
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American Analytical Laboratories, LLC.

Date: *03-Aug-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	DW-4
Lab Order:	1207231	**Collection Date:**	7/24/2012 11:00:00 AM
Project:	429 Merrick Rd., Lynbrook, NY (7045-LBNY)	**Matrix:**	SOIL
Lab ID:	1207231-03B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3550C**		Analyst: **LDS**
Chrysene	96	29.8	300	J	µg/Kg-dry	1	8/2/2012 5:08:00 PM
Dibenzo(a,h)anthracene	U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Dibenzofuran	U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Diethyl phthalate	U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Dimethyl phthalate	U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Di-n-butyl phthalate	U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Di-n-octyl phthalate	U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Fluoranthene	97	29.8	300	J	µg/Kg-dry	1	8/2/2012 5:08:00 PM
Fluorene	U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Hexachlorobenzene	U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Hexachlorobutadiene	U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Hexachlorocyclopentadiene	U	59.6	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Hexachloroethane	U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Indeno(1,2,3-c,d)pyrene	160	29.8	300	J	µg/Kg-dry	1	8/2/2012 5:08:00 PM
Isophorone	U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Naphthalene	U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Nitrobenzene	U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
N-Nitrosodimethylamine	U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
N-Nitrosodi-n-propylamine	U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
N-Nitrosodiphenylamine	U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Parathion	U	59.6	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Pentachlorophenol	U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Phenanthrene	54	29.8	300	J	µg/Kg-dry	1	8/2/2012 5:08:00 PM
Phenol	U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Pyrene	180	29.8	300	J	µg/Kg-dry	1	8/2/2012 5:08:00 PM
Pyridine	U	29.8	300		µg/Kg-dry	1	8/2/2012 5:08:00 PM
Surr: 2,4,6-Tribromophenol	79.3	0	10-137		%REC	1	8/2/2012 5:08:00 PM
Surr: 2-Fluorobiphenyl	73.3	0	22-146		%REC	1	8/2/2012 5:08:00 PM
Surr: 2-Fluorophenol	30.7	0	10-125		%REC	1	8/2/2012 5:08:00 PM
Surr: 4-Terphenyl-d14	133	0	14-149		%REC	1	8/2/2012 5:08:00 PM
Surr: Nitrobenzene-d5	61.6	0	14-148		%REC	1	8/2/2012 5:08:00 PM
Surr: Phenol-d6	48.4	0	10-126		%REC	1	8/2/2012 5:08:00 PM

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PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207231
Project: 429 Merrick Rd., Lynbrook, NY (7045-LBNY)

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: **MB-36770**	SampType: **MBLK**	TestCode: **Dry8270_Soil**	Units: **µg/Kg**	Prep Date: **8/1/2012**	RunNo: **64578**
Client ID: **PBS**	Batch ID: **36770**	TestNo: **SW8270D**	**SW3550C**	Analysis Date: **8/2/2012**	SeqNo: **913316**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	250									
1,2-Dichlorobenzene	U	250									
1,3-Dichlorobenzene	U	250									
1,4-Dichlorobenzene	U	250									
2,3,4,6-Tetrachlorophenol	U	250									
2,4,5-Trichlorophenol	U	250									
2,4,6-Trichlorophenol	U	250									
2,4-Dichlorophenol	U	250									
2,4-Dimethylphenol	U	250									
2,4-Dinitrophenol	U	250									
2,4-Dinitrotoluene	U	250									
2,6-Dinitrotoluene	U	250									
2-Chloronaphthalene	U	250									
2-Chlorophenol	U	250									
2-Methylnaphthalene	U	250									
2-Methylphenol	U	250									
2-Nitroaniline	U	250									
2-Nitrophenol	U	250									
3,3´-Dichlorobenzidine	U	250									
3+4-Methylphenol	U	250									
3-Nitroaniline	U	250									
4,6-Dinitro-2-methylphenol	U	250									
4-Bromophenyl phenyl ether	U	250									
4-Chloro-3-methylphenol	U	250									
4-Chloroaniline	U	250									
4-Chlorophenyl phenyl ether	U	250									
4-Nitroaniline	U	250									
4-Nitrophenol	U	250									
Acenaphthene	U	250									
Acenaphthylene	U	250									

Qualifiers:

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J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207231
Project: 429 Merrick Rd., Lynbrook, NY (7045-LBNY)

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: **MB-36770**	SampType: **MBLK**	TestCode: **Dry8270_Soil**	Units: **µg/Kg**	Prep Date: **8/1/2012**	RunNo: **64578**
Client ID: **PBS**	Batch ID: **36770**	TestNo: **SW8270D**	**SW3550C**	Analysis Date: **8/2/2012**	SeqNo: **913316**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acetophenone	U	250									
Aniline	U	250									
Anthracene	U	250									
Atrazine	U	250									
Azobenzene	U	250									
Benzaldehyde	U	250									
Benzidine	U	250									
Benzo(a)anthracene	U	250									
Benzo(a)pyrene	U	250									
Benzo(b)fluoranthene	U	250									
Benzo(g,h,i)perylene	U	250									
Benzo(k)fluoranthene	U	250									
Benzoic acid	U	250									
Benzyl alcohol	U	250									
Biphenyl	U	250									
Bis(2-chloroethoxy)methane	U	250									
Bis(2-chloroethyl)ether	U	250									
Bis(2-chloroisopropyl)ether	U	250									
Bis(2-ethylhexyl)phthalate	U	250									
Butyl benzyl phthalate	U	250									
Caprolactam	U	250									
Carbazole	U	250									
Chrysene	U	250									
Dibenzo(a,h)anthracene	U	250									
Dibenzofuran	U	250									
Diethyl phthalate	U	250									
Dimethyl phthalate	U	250									
Di-n-butyl phthalate	U	250									
Di-n-octyl phthalate	U	250									
Fluoranthene	U	250									
Fluorene	U	250									

Qualifiers:

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J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207231
Project: 429 Merrick Rd., Lynbrook, NY (7045-LBNY)

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: **MB-36770**	SampType: **MBLK**	TestCode: **Dry8270_Soil**	Units: **µg/Kg**	Prep Date: **8/1/2012**	RunNo: **64578**
Client ID: **PBS**	Batch ID: **36770**	TestNo: **SW8270D**	**SW3550C**	Analysis Date: **8/2/2012**	SeqNo: **913316**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	U	250									
Hexachlorobutadiene	U	250									
Hexachlorocyclopentadiene	U	250									
Hexachloroethane	U	250									
Indeno(1,2,3-c,d)pyrene	U	250									
Isophorone	U	250									
Naphthalene	U	250									
Nitrobenzene	U	250									
N-Nitrosodimethylamine	U	250									
N-Nitrosodi-n-propylamine	U	250									
N-Nitrosodiphenylamine	U	250									
Parathion	U	250									
Pentachlorophenol	U	250									
Phenanthrene	U	250									
Phenol	U	250									
Pyrene	U	250									
Pyridine	U	250									
Surr: 2,4,6-Tribromophenol	1700		2000		84.1	10	137				
Surr: 2-Fluorobiphenyl	680		1000		68.3	22	146				
Surr: 2-Fluorophenol	1100		2000		54.2	10	125				
Surr: 4-Terphenyl-d14	1300		1000		131	14	149				
Surr: Nitrobenzene-d5	700		1000		70.2	14	148				
Surr: Phenol-d6	1300		2000		67.1	10	126				

Sample ID: **LCS-36770**	SampType: **LCS**	TestCode: **Dry8270_Soil**	Units: **µg/Kg**	Prep Date: **8/1/2012**	RunNo: **64578**
Client ID: **LCSS**	Batch ID: **36770**	TestNo: **SW8270D**	**SW3550C**	Analysis Date: **8/2/2012**	SeqNo: **913317**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	930	250	2000	0	46.7	36	126				
1,2-Dichlorobenzene	930	250	2000	0	46.7	24	132				
1,3-Dichlorobenzene	900	250	2000	0	45.2	20	132				

Qualifiers:

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J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207231
Project: 429 Merrick Rd., Lynbrook, NY (7045-LBNY)

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: **LCS-36770**	SampType: **LCS**	TestCode: **Dry8270_Soil**	Units: **µg/Kg**	Prep Date: **8/1/2012**		RunNo: **64578**	
Client ID: **LCSS**	Batch ID: **36770**	TestNo: **SW8270D**	**SW3550C**	Analysis Date: **8/2/2012**		SeqNo: **913317**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	900	250	2000	0	45.2	26	128				
2,3,4,6-Tetrachlorophenol	1600	250	2000	0	78.8	20	120				
2,4,5-Trichlorophenol	940	250	2000	0	47.0	20	140				
2,4,6-Trichlorophenol	910	250	2000	0	45.7	20	143				
2,4-Dimethylphenol	890	250	2000	0	44.5	17	132				
2,4-Dinitrophenol	1800	250	2000	0	90.5	10	125				
2,4-Dinitrotoluene	1300	250	2000	0	67.1	21	133				
2,6-Dinitrotoluene	1100	250	2000	0	55.1	25	137				
2-Chloronaphthalene	880	250	2000	0	44.2	34	147				
2-Chlorophenol	900	250	2000	0	44.8	22	128				
2-Methylnaphthalene	1100	250	2000	0	57.2	26	133				
2-Methylphenol	1000	250	2000	0	49.9	24	126				
2-Nitroaniline	840	250	2000	0	42.2	20	130				
2-Nitrophenol	1100	250	2000	0	54.0	10	133				
3+4-Methylphenol	1100	250	2000	0	54.3	15	131				
3-Nitroaniline	1000	250	2000	0	51.5	36	133				
4,6-Dinitro-2-methylphenol	2400	250	2000	0	120	10	136				
4-Bromophenyl phenyl ether	930	250	2000	0	46.4	33	144				
4-Chloro-3-methylphenol	1100	250	2000	0	55.5	20	135				
4-Chloroaniline	630	250	2000	0	31.7	18	120				
4-Chlorophenyl phenyl ether	1000	250	2000	0	50.4	28	137				
4-Nitroaniline	1200	250	2000	0	60.4	17	131				
4-Nitrophenol	1100	250	2000	0	55.6	17	143				
Acenaphthene	990	250	2000	0	49.6	35	134				
Acenaphthylene	990	250	2000	0	49.4	24	136				
Aniline	470	250	2000	0	23.7	12	120				
Anthracene	1000	250	2000	0	49.9	33	135				
Azobenzene	1100	250	2000	0	54.6	22	136				
Benzo(a)anthracene	990	250	2000	0	49.6	35	134				
Benzo(a)pyrene	990	250	2000	0	49.4	39	134				
Benzo(b)fluoranthene	1400	250	2000	0	68.3	30	135				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207231
Project: 429 Merrick Rd., Lynbrook, NY (7045-LBNY)

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: LCS-36770	SampType: LCS	TestCode: Dry8270_Soil	Units: µg/Kg	Prep Date: 8/1/2012	RunNo: 64578
Client ID: LCSS	Batch ID: 36770	TestNo: SW8270D	SW3550C	Analysis Date: 8/2/2012	SeqNo: 913317

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(g,h,i)perylene	590	250	2000	0	29.4	23	144				
Benzo(k)fluoranthene	1100	250	2000	0	56.2	30	141				
Benzyl alcohol	1000	250	2000	0	49.9	17	126				
Bis(2-chloroethoxy)methane	720	250	2000	0	35.8	23	126				
Bis(2-chloroethyl)ether	820	250	2000	0	41.2	20	140				
Bis(2-chloroisopropyl)ether	950	250	2000	0	47.6	25	141				
Bis(2-ethylhexyl)phthalate	580	250	2000	0	28.9	27	143				
Butyl benzyl phthalate	970	250	2000	0	48.3	36	144				
Carbazole	1000	250	2000	0	51.5	21	141				
Chrysene	970	250	2000	0	48.3	25	137				
Dibenzo(a,h)anthracene	600	250	2000	0	30.2	22	137				
Dibenzofuran	1000	250	2000	0	52.4	27	136				
Diethyl phthalate	930	250	2000	0	46.4	32	141				
Dimethyl phthalate	850	250	2000	0	42.6	33	145				
Di-n-butyl phthalate	810	250	2000	0	40.7	22	141				
Di-n-octyl phthalate	1000	250	2000	0	50.4	25	139				
Fluoranthene	1000	250	2000	0	50.0	22	132				
Fluorene	1100	250	2000	0	55.9	23	135				
Hexachlorobenzene	890	250	2000	0	44.6	29	149				
Hexachlorobutadiene	840	250	2000	0	42.2	20	142				
Hexachlorocyclopentadiene	1700	250	2000	0	84.7	10	131				
Hexachloroethane	920	250	2000	0	46.0	12	134				
Indeno(1,2,3-c,d)pyrene	730	250	2000	0	36.3	30	156				
Isophorone	850	250	2000	0	42.7	32	130				
Naphthalene	950	250	2000	0	47.7	21	137				
Nitrobenzene	790	250	2000	0	39.4	23	130				
N-Nitrosodimethylamine	210	250	2000	0	10.4	1	101				J
N-Nitrosodi-n-propylamine	1000	250	2000	0	49.9	31	137				
N-Nitrosodiphenylamine	870	250	2000	0	43.7	21	143				
Pentachlorophenol	1500	250	2000	0	76.9	10	130				
Phenanthrene	1000	250	2000	0	50.6	32	145				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207231
Project: 429 Merrick Rd., Lynbrook, NY (7045-LBNY)

ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270_Soil

Sample ID: **LCS-36770**	SampType: **LCS**	TestCode: **Dry8270_Soil**	Units: **µg/Kg**	Prep Date: **8/1/2012**	RunNo: **64578**
Client ID: **LCSS**	Batch ID: **36770**	TestNo: **SW8270D**	**SW3550C**	Analysis Date: **8/2/2012**	SeqNo: **913317**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	790	250	2000	0	39.4	15	120				
Pyrene	1700	250	2000	0	83.1	20	155				
Pyridine	310	250	2000	0	15.3	1	95				
Surr: 2,4,6-Tribromophenol	1700		2000		87.0	10	137				
Surr: 2-Fluorobiphenyl	740		1000		74.5	22	146				
Surr: 2-Fluorophenol	1200		2000		62.3	10	125				
Surr: 4-Terphenyl-d14	1400		1000		135	14	149				
Surr: Nitrobenzene-d5	710		1000		71.1	14	148				
Surr: Phenol-d6	1500		2000		76.4	10	126				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207231
Project: 429 Merrick Rd., Lynbrook, NY (7045-LBNY)

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **V624LCS-072612YS** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: RunNo: **64569**
Client ID: **LCSS** Batch ID: **R64569A** TestNo: **SW8260C** Analysis Date: **7/26/2012** SeqNo: **913215**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	44	2.0	50.00	0	88.1	40	125				
1,1,2,2-Tetrachloroethane	47	2.0	50.00	0	94.6	41	130				
1,1,2-Trichloroethane	46	2.0	50.00	0	91.9	43	121				
1,1-Dichloroethane	47	2.0	50.00	0	93.9	42	126				
1,1-Dichloroethene	53	2.0	50.00	0	105	40	126				
1,2-Dichlorobenzene	46	2.0	50.00	0	91.1	41	122				
1,2-Dichloroethane	46	2.0	50.00	0	91.7	42	133				
1,2-Dichloropropane	49	2.0	50.00	0	97.1	41	128				
1,3-Dichlorobenzene	47	2.0	50.00	0	93.8	45	119				
1,4-Dichlorobenzene	46	2.0	50.00	0	92.1	46	121				
2-Chloroethyl vinyl ether	48	2.0	50.00	0	95.5	30	135				
Benzene	47	2.0	50.00	0	94.1	35	123				
Bromodichloromethane	42	2.0	50.00	0	83.9	37	130				
Bromoform	41	2.0	50.00	0	82.4	43	121				
Bromomethane	36	2.0	50.00	0	71.6	32	130				
Carbon tetrachloride	43	2.0	50.00	0	86.6	37	134				
Chlorobenzene	46	2.0	50.00	0	91.8	40	124				
Chloroethane	28	2.0	50.00	0	55.9	35	141				
Chloroform	44	2.0	50.00	0	87.3	36	126				
Chloromethane	37	2.0	50.00	0	74.7	42	141				
cis-1,3-Dichloropropene	43	2.0	50.00	0	86.6	30	130				
Dibromochloromethane	43	2.0	50.00	0	85.2	43	125				
Ethylbenzene	48	2.0	50.00	0	96.7	44	122				
Methylene chloride	49	2.0	50.00	0	97.1	32	132				B
Tetrachloroethene	40	2.0	50.00	0	80.4	31	120				
Toluene	47	2.0	50.00	0	93.2	42	124				
trans-1,2-Dichloroethene	44	2.0	50.00	0	87.2	38	122				
trans-1,3-Dichloropropene	41	2.0	50.00	0	81.9	45	123				
Trichloroethene	44	2.0	50.00	0	87.6	46	124				
Trichlorofluoromethane	39	2.0	50.00	0	77.2	45	137				
Vinyl chloride	42	2.0	50.00	0	84.4	46	139				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207231
Project: 429 Merrick Rd., Lynbrook, NY (7045-LBNY)

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: V624LCS-072612YS	SampType: LCS	TestCode: DryFull8260_	Units: µg/Kg	Prep Date:	RunNo: 64569
Client ID: LCSS	Batch ID: R64569A	TestNo: SW8260C		Analysis Date: 7/26/2012	SeqNo: 913215

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	49		50.00		98.0	42	133				
Surr: Dibromofluoromethane	51		50.00		102	50	133				
Surr: Toluene-d8	51		50.00		102	53	130				

Sample ID: VBLK-072612YS	SampType: MBLK	TestCode: DryFull8260_	Units: µg/Kg	Prep Date: 7/26/2012	RunNo: 64569
Client ID: PBS	Batch ID: R64569A	TestNo: SW8260C		Analysis Date: 7/26/2012	SeqNo: 913216

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	2.0									
1,1,1-Trichloroethane	U	2.0									
1,1,2,2-Tetrachloroethane	U	2.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	2.0									
1,1,2-Trichloroethane	U	2.0									
1,1-Dichloroethane	U	2.0									
1,1-Dichloroethene	U	2.0									
1,1-Dichloropropene	U	2.0									
1,2,3-Trichlorobenzene	U	2.0									
1,2,3-Trichloropropane	U	2.0									
1,2,4,5-Tetramethylbenzene	U	2.0									
1,2,4-Trichlorobenzene	U	2.0									
1,2,4-Trimethylbenzene	U	2.0									
1,2-Dibromo-3-chloropropane	U	2.0									
1,2-Dibromoethane	U	2.0									
1,2-Dichlorobenzene	U	2.0									
1,2-Dichloroethane	U	2.0									
1,2-Dichloropropane	U	2.0									
1,3,5-Trimethylbenzene	U	2.0									
1,3-Dichlorobenzene	U	2.0									
1,3-dichloropropane	U	2.0									
1,4-Dichlorobenzene	U	2.0									
1,4-Dioxane	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207231
Project: 429 Merrick Rd., Lynbrook, NY (7045-LBNY)

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-072612YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: **7/26/2012** RunNo: **64569**
Client ID: **PBS** Batch ID: **R64569A** TestNo: **SW8260C** Analysis Date: **7/26/2012** SeqNo: **913216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	U	2.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	2.0									
2-Chlorotoluene	U	2.0									
2-Hexanone	U	5.0									
2-Propanol	U	2.0									
4-Chlorotoluene	U	2.0									
4-Isopropyltoluene	U	2.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									
Acrolein	U	10									
Acrylonitrile	U	2.0									
Benzene	U	2.0									
Bromobenzene	U	2.0									
Bromochloromethane	U	2.0									
Bromodichloromethane	U	2.0									
Bromoform	U	2.0									
Bromomethane	U	2.0									
Carbon disulfide	U	2.0									
Carbon tetrachloride	U	2.0									
Chlorobenzene	U	2.0									
Chlorodifluoromethane	U	2.0									
Chloroethane	U	2.0									C
Chloroform	U	2.0									
Chloromethane	U	2.0									
cis-1,2-Dichloroethene	U	2.0									
cis-1,3-Dichloropropene	U	2.0									
Dibromochloromethane	U	2.0									
Dibromomethane	U	2.0									
Dichlorodifluoromethane	U	2.0									C
Diisopropyl ether	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207231
Project: 429 Merrick Rd., Lynbrook, NY (7045-LBNY)

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-072612YS**	SampType: **MBLK**	TestCode: **DryFull8260_**	Units: **µg/Kg**	Prep Date: **7/26/2012**		RunNo: **64569**	
Client ID: **PBS**	Batch ID: **R64569A**	TestNo: **SW8260C**		Analysis Date: **7/26/2012**		SeqNo: **913216**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethanol	U	5.0									
Ethyl acetate	U	2.0									
Ethylbenzene	U	2.0									
Freon-114	U	2.0									
Hexachlorobutadiene	U	2.0									
Isopropyl acetate	U	2.0									
Isopropylbenzene	U	2.0									
m,p-Xylene	U	4.0									
Methyl Acetate	U	2.0									
Methyl tert-butyl ether	U	2.0									
Methylene chloride	4.4	2.0									
n-Amyl acetate	U	2.0									
Naphthalene	U	2.0									
n-Butyl acetate	U	2.0									
n-Butylbenzene	U	2.0									
n-Propyl acetate	U	2.0									
n-Propylbenzene	U	2.0									
o-Xylene	U	2.0									
p-Diethylbenzene	U	2.0									
p-Ethyltoluene	U	2.0									
sec-Butylbenzene	U	2.0									
Styrene	U	2.0									
t-Butyl alcohol	U	2.0									
tert-Butylbenzene	U	2.0									
Tetrachloroethene	U	2.0									
Toluene	U	2.0									
trans-1,2-Dichloroethene	U	2.0									
trans-1,3-Dichloropropene	U	2.0									
Trichloroethene	U	2.0									
Trichlorofluoromethane	U	2.0									
Vinyl acetate	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207231
Project: 429 Merrick Rd., Lynbrook, NY (7045-LBNY)

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: VBLK-072612YS	SampType: MBLK	TestCode: DryFull8260_	Units: µg/Kg	Prep Date: 7/26/2012	RunNo: 64569
Client ID: PBS	Batch ID: R64569A	TestNo: SW8260C		Analysis Date: 7/26/2012	SeqNo: 913216

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	U	2.0									
Surr: 4-Bromofluorobenzene	51		50.00		101	42	133				
Surr: Dibromofluoromethane	51		50.00		102	50	133				
Surr: Toluene-d8	50		50.00		101	53	130				

Sample ID: V624LCS-072712YS	SampType: LCS	TestCode: DryFull8260_	Units: µg/Kg	Prep Date:	RunNo: 64569
Client ID: LCSS	Batch ID: R64569B	TestNo: SW8260C		Analysis Date: 7/27/2012	SeqNo: 913244

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	46	2.0	50.00	0	93.0	40	125				
1,1,2,2-Tetrachloroethane	48	2.0	50.00	0	96.8	41	130				
1,1,2-Trichloroethane	49	2.0	50.00	0	97.3	43	121				
1,1-Dichloroethane	49	2.0	50.00	0	98.4	42	126				
1,1-Dichloroethene	55	2.0	50.00	0	110	40	126				
1,2-Dichlorobenzene	47	2.0	50.00	0	93.6	41	122				
1,2-Dichloroethane	48	2.0	50.00	0	96.5	42	133				
1,2-Dichloropropane	52	2.0	50.00	0	104	41	128				
1,3-Dichlorobenzene	47	2.0	50.00	0	94.7	45	119				
1,4-Dichlorobenzene	47	2.0	50.00	0	93.9	46	121				
2-Chloroethyl vinyl ether	52	2.0	50.00	0	104	30	135				
Benzene	50	2.0	50.00	0	99.9	35	123				
Bromodichloromethane	44	2.0	50.00	0	88.1	37	130				
Bromoform	44	2.0	50.00	0	88.2	43	121				
Bromomethane	43	2.0	50.00	0	86.9	32	130				
Carbon tetrachloride	45	2.0	50.00	0	89.3	37	134				
Chlorobenzene	49	2.0	50.00	0	97.3	40	124				
Chloroethane	32	2.0	50.00	0	64.6	35	141				C
Chloroform	46	2.0	50.00	0	91.3	36	126				
Chloromethane	45	2.0	50.00	0	90.7	42	141				
cis-1,3-Dichloropropene	45	2.0	50.00	0	90.3	30	130				
Dibromochloromethane	44	2.0	50.00	0	88.2	43	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207231
Project: 429 Merrick Rd., Lynbrook, NY (7045-LBNY)

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **V624LCS-072712YS** SampType: **LCS** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: RunNo: **64569**
Client ID: **LCSS** Batch ID: **R64569B** TestNo: **SW8260C** Analysis Date: **7/27/2012** SeqNo: **913244**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	51	2.0	50.00	0	102	44	122				
Methylene chloride	51	2.0	50.00	0	102	32	132				B
Tetrachloroethene	42	2.0	50.00	0	83.5	31	120				
Toluene	50	2.0	50.00	0	99.3	42	124				
trans-1,2-Dichloroethene	46	2.0	50.00	0	92.1	38	122				
trans-1,3-Dichloropropene	42	2.0	50.00	0	84.6	45	123				
Trichloroethene	46	2.0	50.00	0	92.3	46	124				
Trichlorofluoromethane	46	2.0	50.00	0	91.4	45	137				
Vinyl chloride	52	2.0	50.00	0	105	46	139				
Surr: 4-Bromofluorobenzene	51		50.00		101	42	133				
Surr: Dibromofluoromethane	52		50.00		103	50	133				
Surr: Toluene-d8	52		50.00		104	53	130				

Sample ID: **VBLK-072712YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: RunNo: **64569**
Client ID: **PBS** Batch ID: **R64569B** TestNo: **SW8260C** Analysis Date: **7/27/2012** SeqNo: **913245**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	2.0									
1,1,1-Trichloroethane	U	2.0									
1,1,2,2-Tetrachloroethane	U	2.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	2.0									
1,1,2-Trichloroethane	U	2.0									
1,1-Dichloroethane	U	2.0									
1,1-Dichloroethene	U	2.0									
1,1-Dichloropropene	U	2.0									
1,2,3-Trichlorobenzene	U	2.0									
1,2,3-Trichloropropane	U	2.0									
1,2,4,5-Tetramethylbenzene	U	2.0									
1,2,4-Trichlorobenzene	U	2.0									
1,2,4-Trimethylbenzene	U	2.0									
1,2-Dibromo-3-chloropropane	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207231
Project: 429 Merrick Rd., Lynbrook, NY (7045-LBNY)

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-072712YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: RunNo: **64569**
Client ID: **PBS** Batch ID: **R64569B** TestNo: **SW8260C** Analysis Date: **7/27/2012** SeqNo: **913245**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	U	2.0									
1,2-Dichlorobenzene	U	2.0									
1,2-Dichloroethane	U	2.0									
1,2-Dichloropropane	U	2.0									
1,3,5-Trimethylbenzene	U	2.0									
1,3-Dichlorobenzene	U	2.0									
1,3-dichloropropane	U	2.0									
1,4-Dichlorobenzene	U	2.0									
1,4-Dioxane	U	2.0									
2,2-Dichloropropane	U	2.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	2.0									
2-Chlorotoluene	U	2.0									
2-Hexanone	U	5.0									
2-Propanol	U	2.0									
4-Chlorotoluene	U	2.0									
4-Isopropyltoluene	U	2.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									
Acrolein	U	10									C
Acrylonitrile	U	2.0									
Benzene	U	2.0									
Bromobenzene	U	2.0									
Bromochloromethane	U	2.0									
Bromodichloromethane	U	2.0									
Bromoform	U	2.0									
Bromomethane	U	2.0									
Carbon disulfide	U	2.0									
Carbon tetrachloride	U	2.0									
Chlorobenzene	U	2.0									
Chlorodifluoromethane	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207231
Project: 429 Merrick Rd., Lynbrook, NY (7045-LBNY)

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-072712YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: RunNo: **64569**
Client ID: **PBS** Batch ID: **R64569B** TestNo: **SW8260C** Analysis Date: **7/27/2012** SeqNo: **913245**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	U	2.0									C
Chloroform	U	2.0									
Chloromethane	U	2.0									
cis-1,2-Dichloroethene	U	2.0									
cis-1,3-Dichloropropene	U	2.0									
Dibromochloromethane	U	2.0									
Dibromomethane	U	2.0									
Dichlorodifluoromethane	U	2.0									C
Diisopropyl ether	U	2.0									
Ethanol	U	5.0									
Ethyl acetate	U	2.0									
Ethylbenzene	U	2.0									
Freon-114	U	2.0									
Hexachlorobutadiene	U	2.0									
Isopropyl acetate	U	2.0									
Isopropylbenzene	U	2.0									
m,p-Xylene	U	4.0									
Methyl Acetate	U	2.0									
Methyl tert-butyl ether	U	2.0									
Methylene chloride	4.8	2.0									
n-Amyl acetate	U	2.0									
Naphthalene	U	2.0									
n-Butyl acetate	U	2.0									
n-Butylbenzene	U	2.0									
n-Propyl acetate	U	2.0									
n-Propylbenzene	U	2.0									
o-Xylene	U	2.0									
p-Diethylbenzene	U	2.0									
p-Ethyltoluene	U	2.0									
sec-Butylbenzene	U	2.0									
Styrene	U	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207231
Project: 429 Merrick Rd., Lynbrook, NY (7045-LBNY)

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **VBLK-072712YS** SampType: **MBLK** TestCode: **DryFull8260_** Units: **µg/Kg** Prep Date: RunNo: **64569**
Client ID: **PBS** Batch ID: **R64569B** TestNo: **SW8260C** Analysis Date: **7/27/2012** SeqNo: **913245**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
t-Butyl alcohol	U	2.0									
tert-Butylbenzene	U	2.0									
Tetrachloroethene	U	2.0									
Toluene	U	2.0									
trans-1,2-Dichloroethene	U	2.0									
trans-1,3-Dichloropropene	U	2.0									
Trichloroethene	U	2.0									
Trichlorofluoromethane	U	2.0									
Vinyl acetate	U	2.0									
Vinyl chloride	U	2.0									
Surr: 4-Bromofluorobenzene	52		50.00		104	42	133				
Surr: Dibromofluoromethane	51		50.00		103	50	133				
Surr: Toluene-d8	51		50.00		102	53	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207231
Project: 429 Merrick Rd., Lynbrook, NY (7045-LBNY)

ANALYTICAL QC SUMMARY REPORT

TestCode: DRYHG_S

Sample ID: **MBS072612A**	SampType: **MBLK**	TestCode: **DRYHG_S**	Units: **mg/Kg**	Prep Date: **7/26/2012**	RunNo: **64465**
Client ID: **PBS**	Batch ID: **36696**	TestNo: **SW7471B**	**SW7471B**	Analysis Date: **7/26/2012**	SeqNo: **911285**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	U	0.0100									

Sample ID: **LCSS072612A**	SampType: **LCS**	TestCode: **DRYHG_S**	Units: **mg/Kg**	Prep Date: **7/26/2012**	RunNo: **64465**
Client ID: **LCSS**	Batch ID: **36696**	TestNo: **SW7471B**	**SW7471B**	Analysis Date: **7/26/2012**	SeqNo: **911286**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.206	0.0100	0.2000	0	103	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207231
Project: 429 Merrick Rd., Lynbrook, NY (7045-LBNY)

ANALYTICAL QC SUMMARY REPORT

TestCode: DRYRCRA_ICP

Sample ID: MBS072512A	SampType: MBLK	TestCode: DRYRCRA_IC	Units: mg/Kg	Prep Date: 7/25/2012	RunNo: 64475
Client ID: PBS	Batch ID: 36684	TestNo: SW6010C	SW3050B	Analysis Date: 7/26/2012	SeqNo: 911639

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	U	0.500									
Barium	U	0.400									
Cadmium	U	0.400									
Chromium	U	0.400									
Lead	U	0.400									
Selenium	U	0.500									
Silver	U	0.400									

Sample ID: LCSS072512A	SampType: LCS	TestCode: DRYRCRA_IC	Units: mg/Kg	Prep Date: 7/25/2012	RunNo: 64475
Client ID: LCSS	Batch ID: 36684	TestNo: SW6010C	SW3050B	Analysis Date: 7/26/2012	SeqNo: 911640

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	41.4	0.500	40.00	0	104	80	120				
Barium	39.9	0.400	40.00	0	99.8	80	120				
Cadmium	41.1	0.400	40.00	0	103	80	120				
Chromium	41.2	0.400	40.00	0	103	80	120				
Lead	40.8	0.400	40.00	0	102	80	120				
Selenium	40.4	0.500	40.00	0	101	80	120				
Silver	39.8	0.400	40.00	0	99.5	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207231
Project: 429 Merrick Rd., Lynbrook, NY (7045-LBNY)

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **1207231-03AMS** SampType: **MS** TestCode: **DryFull8260_** Units: **µg/Kg-dry** Prep Date: RunNo: **64569**
Client ID: **DW-4** Batch ID: **R64569A** TestNo: **SW8260C** Analysis Date: **7/26/2012** SeqNo: **913219**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	46	2.4	59.61	0	76.5	26	108				
1,1,2,2-Tetrachloroethane	48	2.4	59.61	0	80.0	18	109				
1,1,2-Trichloroethane	46	2.4	59.61	0	77.6	21	105				
1,1-Dichloroethane	50	2.4	59.61	0	83.2	28	108				
1,1-Dichloroethene	57	2.4	59.61	0	95.9	24	110				
1,2-Dichlorobenzene	38	2.4	59.61	0	64.0	18	108				
1,2-Dichloroethane	47	2.4	59.61	0	78.3	21	105				
1,2-Dichloropropane	50	2.4	59.61	0	84.6	29	107				
1,3-Dichlorobenzene	40	2.4	59.61	0	67.3	20	115				
1,4-Dichlorobenzene	40	2.4	59.61	0	66.5	21	117				
2-Chloroethyl vinyl ether	48	2.4	59.61	0	80.5	18	113				
Benzene	49	2.4	59.61	0	82.6	30	103				
Bromodichloromethane	43	2.4	59.61	0	72.3	22	106				
Bromoform	40	2.4	59.61	0	67.9	20	113				
Bromomethane	38	2.4	59.61	0	63.5	20	109				
Carbon tetrachloride	44	2.4	59.61	0	73.8	23	111				
Chlorobenzene	47	2.4	59.61	0	78.4	27	117				
Chloroethane	29	2.4	59.61	0	48.0	30	130				C
Chloroform	45	2.4	59.61	0	76.2	24	112				
Chloromethane	40	2.4	59.61	0	67.2	21	110				
cis-1,3-Dichloropropene	44	2.4	59.61	0	73.6	20	104				
Dibromochloromethane	42	2.4	59.61	0	70.3	22	104				
Ethylbenzene	49	2.4	59.61	0	81.4	30	115				
Methylene chloride	52	2.4	59.61	6.702	75.4	22	104				B
Tetrachloroethene	38	2.4	59.61	0	63.9	20	103				
Toluene	49	2.4	59.61	0	82.4	20	115				
trans-1,2-Dichloroethene	47	2.4	59.61	0	78.2	23	107				
trans-1,3-Dichloropropene	41	2.4	59.61	0	68.1	20	105				
Trichloroethene	47	2.4	59.61	0	78.0	22	138				
Trichlorofluoromethane	41	2.4	59.61	0	68.3	22	131				

Qualifiers:
B Analyte detected in the associated Method Blank
C Calibration %RSD/%D exceeded for non-CCC analytes
H Holding times for preparation or analy
J Analyte detected below quantitation limits
P >40% diff for detected conc between the two GC column
PQL Practical Quantitation Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits
U Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207231
Project: 429 Merrick Rd., Lynbrook, NY (7045-LBNY)

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **1207231-03AMS** SampType: **MS** TestCode: **DryFull8260_** Units: **µg/Kg-dry** Prep Date: RunNo: **64569**
Client ID: **DW-4** Batch ID: **R64569A** TestNo: **SW8260C** Analysis Date: **7/26/2012** SeqNo: **913219**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	45	2.4	59.61	0	76.3	25	107				
Surr: 4-Bromofluorobenzene	60		59.61		100	42	133				
Surr: Dibromofluoromethane	58		59.61		97.3	50	133				
Surr: Toluene-d8	60		59.61		101	53	130				

Sample ID: **1207231-02AMSD** SampType: **MSD** TestCode: **DryFull8260_** Units: **µg/Kg-dry** Prep Date: RunNo: **64569**
Client ID: **DW-3** Batch ID: **R64569B** TestNo: **SW8260C** Analysis Date: **7/27/2012** SeqNo: **913247**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	43	2.6	65.16	0	66.4	26	108	40.61	6.37	20	
1,1,2,2-Tetrachloroethane	34	2.6	65.16	0	51.6	18	109	32.74	2.71	20	
1,1,2-Trichloroethane	33	2.6	65.16	0	50.8	21	105	30.52	8.07	20	
1,1-Dichloroethane	48	2.6	65.16	0	73.9	28	108	46.76	2.99	20	
1,1-Dichloroethene	56	2.6	65.16	0	85.6	24	110	54.07	3.16	20	
1,2-Dichlorobenzene	29	2.6	65.16	0	44.0	18	108	28.78	0.408	20	
1,2-Dichloroethane	34	2.6	65.16	0	52.2	21	105	32.54	4.50	20	
1,2-Dichloropropane	46	2.6	65.16	0	70.2	29	107	44.77	2.22	20	
1,3-Dichlorobenzene	32	2.6	65.16	0	48.6	20	115	32.44	2.32	20	
1,4-Dichlorobenzene	32	2.6	65.16	0	49.2	21	117	32.45	1.13	20	
2-Chloroethyl vinyl ether	31	2.6	65.16	0	47.3	18	113	30.43	1.23	20	
Benzene	47	2.6	65.16	0	72.6	30	103	46.66	1.33	20	
Bromodichloromethane	36	2.6	65.16	0	55.3	22	106	33.65	6.92	20	
Bromoform	27	2.6	65.16	0	41.6	20	113	24.81	8.88	20	
Bromomethane	45	2.6	65.16	0	68.7	20	109	44.36	0.936	20	
Carbon tetrachloride	39	2.6	65.16	0	60.6	23	111	38.71	1.93	20	
Chlorobenzene	42	2.6	65.16	0	64.9	27	117	41.86	1.02	20	
Chloroethane	59	2.6	65.16	0	90.6	30	130	58.07	1.65	20	C
Chloroform	42	2.6	65.16	0	65.2	24	112	38.89	8.81	20	
Chloromethane	51	2.6	65.16	0	78.4	21	110	43.31	16.4	20	
cis-1,3-Dichloropropene	36	2.6	65.16	0	55.8	20	104	35.61	2.14	20	
Dibromochloromethane	29	2.6	65.16	0	44.9	22	104	28.88	1.26	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207231
Project: 429 Merrick Rd., Lynbrook, NY (7045-LBNY)

ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260_Soil

Sample ID: **1207231-02AMSD**	SampType: **MSD**	TestCode: **DryFull8260_**	Units: **µg/Kg-dry**	Prep Date:	RunNo: **64569**
Client ID: **DW-3**	Batch ID: **R64569B**	TestNo: **SW8260C**		Analysis Date: **7/27/2012**	SeqNo: **913247**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	44	2.6	65.16	0	67.9	30	115	44.00	0.502	20	
Methylene chloride	49	2.6	65.16	9.141	60.7	22	104	45.88	5.93	20	B
Tetrachloroethene	32	2.6	65.16	0	49.1	20	103	31.66	1.15	20	
Toluene	45	2.6	65.16	0	69.7	20	115	45.51	0.258	20	
trans-1,2-Dichloroethene	45	2.6	65.16	0	69.7	23	107	43.97	3.27	20	
trans-1,3-Dichloropropene	30	2.6	65.16	0	46.5	20	105	28.29	6.76	20	
Trichloroethene	44	2.6	65.16	0	66.9	22	138	42.06	3.65	20	
Trichlorofluoromethane	50	2.6	65.16	0	76.0	22	131	45.94	7.56	20	
Vinyl chloride	58	2.6	65.16	0	88.4	25	107	53.64	7.17	20	
Surr: 4-Bromofluorobenzene	61		65.16		94.1	42	133		0	0	
Surr: Dibromofluoromethane	57		65.16		87.6	50	133		0	0	
Surr: Toluene-d8	66		65.16		102	53	130		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

AMERICAN ANALYTICAL LABORATORIES

NYSDOH 11418
NJDEP NY050
CTDOH PH-0205
PADEP 68-00573

Thursday, July 19, 2012

Paul P. Stewart
Advanced Cleanup Technologies, Inc.
960 So. Broadway, Suite 100
Hicksville, NY 11801

TEL: (516) 933-0655
FAX (516) 933-0659

RE: 429 Merrick Road, Lynbrook, NY (7045-LB

Order No.: 1207128

Dear Paul P. Stewart:

American Analytical Laboratories, LLC. received 4 sample(s) on 7/13/2012 for the analyses presented in the following report.

Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report.

The results reported herein relate only to the items tested or to the samples as received by the laboratory. This report may not be reproduced, except in full, without the approval of American Analytical Laboratories, LLC and is not considered complete without a cover page and chain of custody documentation. The limits (LOQ) provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

There were no problems with the analyses and all data for associated QC met laboratory specifications. If there are any exceptions a Case Narrative is provided in the report or the data is qualified either on the sample results or in the QC section of the report. This package has been reviewed by American Analytical Laboratories' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. This report consists of 24 pages.

If you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at lbeyer@american-analytical.com.

Sincerely,

Lori Beyer
Lab Director

American Analytical Laboratories, LLC.

Date: *19-Jul-12*

CLIENT: Advanced Cleanup Technologies, Inc.
Project: 429 Merrick Road, Lynbrook, NY (7045-LBNY
Lab Order: 1207128

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date Collected	Date Received
1207128-01A	MW-1	7/13/2012 10:30:00 AM	7/13/2012
1207128-02A	MW-2	7/13/2012 11:00:00 AM	7/13/2012
1207128-03A	MW-3	7/13/2012 11:30:00 AM	7/13/2012
1207128-04A	MW-4	7/13/2012 12:00:00 PM	7/13/2012

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027
www.american-analytical.com

NYSDOH	11418
CTDOH	PH-0205
NJDEP	NY050
PADEP	68-573

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: ACT
960 S Broadway Suite 100
Hicksville, NY

CONTACT: Paul Stewart

SAMPLER (SIGNATURE)

SAMPLER NAME (PRINT)

SAMPLE(S) SEALED: YES / NO

CORRECT CONTAINER(S): YES / NO

TEMPERATURE (° C): 5.8

PROJECT LOCATION: #7045-LBNY
429 Merrick Road Lynbrook, NY

LABORATORY ID# LAB USE ONLY	MATRIX/ TYPE	NO. OF CONTAINERS	SAMPLING DATE	SAMPLING TIME	SAMPLE # - LOCATION	ANALYSIS REQUIRED: EPA 8260
1207128-01A	W	2	7/13/12	10:30	MW-1	X
02A	W	2	7/13/12	11:00	MW-2	X
03A	W	2	7/13/12	11:30	MW-3	X
04A	W	2	7/13/12	12:00	MW-4	X

COMMENTS / INSTRUCTIONS

Samples must be on ICE (<6° C)

MATRIX S=SOIL; W=WATER; SL=SLUDGE; A=AIR; M=MISCELLANEOUS
TYPE G=GRAB; C=COMPOSITE

TURNAROUND REQUIRED
STANDARD ☑ STAT ☐ BY / /
(7-10 business days)

E-MAIL ADDRESS FOR RESULTS:

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
		Yisong Yang		7/13/12 1300	
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

American Analytical Laboratories, LLC.

Sample Receipt Checklist

Client Name **ADVANCED CLEANUP TECH** Date and Time Receive **7/13/2012 1:08:43 PM**

Work Order Numbe **1207128** RcptNo: **1** Received by **CF**

COC_ID: CoolerID:

Checklist completed b Signature 7/13/12 Date Reviewed by Initials 7/13/12 Date

Matrix Carrier name Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Presen ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Presen ☑
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?	No VOA vials submitted ☐	Yes ☑	No ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐

Adjusted? Checked b

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted Date contacted: Person contacted

Contacted by: Regarding

Comments:

Corrective Action

American Analytical Laboratories, LLC.

Date: *19-Jul-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	MW-1
Lab Order:	1207128	**Collection Date:**	7/13/2012 10:30:00 AM
Project:	429 Merrick Road, Lynbrook, NY (7045-LBNY	**Matrix:**	LIQUID
Lab ID:	1207128-01A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
1,1,1,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
1,1,1-Trichloroethane	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
1,1,2,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
1,1,2-Trichloroethane	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
1,1-Dichloroethane	U	0.5	1.0		µg/L	1	7/17/2012 5:59:00 PM
1,1-Dichloroethene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
1,1-Dichloropropene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
1,2,3-Trichlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
1,2,3-Trichloropropane	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
1,2,4,5-Tetramethylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
1,2,4-Trichlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
1,2,4-Trimethylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
1,2-Dibromo-3-chloropropane	U	0.5	2.0		µg/L	1	7/17/2012 5:59:00 PM
1,2-Dibromoethane	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
1,2-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
1,2-Dichloroethane	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
1,2-Dichloropropane	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
1,3,5-Trimethylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
1,3-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
1,3-dichloropropane	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
1,4-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
1,4-Dioxane	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
2,2-Dichloropropane	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
2-Butanone	U	1.25	2.5		µg/L	1	7/17/2012 5:59:00 PM
2-Chloroethyl vinyl ether	U	0.5	1.0	C	µg/L	1	7/17/2012 5:59:00 PM
2-Chlorotoluene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
2-Hexanone	U	1.25	2.5		µg/L	1	7/17/2012 5:59:00 PM
2-Propanol	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
4-Chlorotoluene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
4-Isopropyltoluene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
4-Methyl-2-pentanone	U	1.25	2.5		µg/L	1	7/17/2012 5:59:00 PM
Acetone	U	1.25	5.0		µg/L	1	7/17/2012 5:59:00 PM

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Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *19-Jul-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	MW-1
Lab Order:	1207128	**Collection Date:**	7/13/2012 10:30:00 AM
Project:	429 Merrick Road, Lynbrook, NY (7045-LBNY	**Matrix:**	LIQUID
Lab ID:	1207128-01A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Acrolein	U	5	10	C	µg/L	1	7/17/2012 5:59:00 PM
Acrylonitrile	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Benzene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Bromobenzene	U	0.5	1.0		µg/L	1	7/17/2012 5:59:00 PM
Bromochloromethane	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Bromodichloromethane	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Bromoform	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Bromomethane	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Carbon disulfide	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Carbon tetrachloride	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Chlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Chlorodifluoromethane	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Chloroethane	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Chloroform	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Chloromethane	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
cis-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
cis-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Dibromochloromethane	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Dibromomethane	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Dichlorodifluoromethane	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Diisopropyl ether	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Ethanol	U	2.5	5.0		µg/L	1	7/17/2012 5:59:00 PM
Ethyl acetate	U	0.5	1.0		µg/L	1	7/17/2012 5:59:00 PM
Ethylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Freon-114	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Hexachlorobutadiene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Isopropyl acetate	U	1	2.0		µg/L	1	7/17/2012 5:59:00 PM
Isopropylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
m,p-Xylene	U	0.5	2.0		µg/L	1	7/17/2012 5:59:00 PM
Methyl Acetate	U	0.5	2.0		µg/L	1	7/17/2012 5:59:00 PM
Methyl tert-butyl ether	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Methylene chloride	5.2	0.25	1.0	B	µg/L	1	7/17/2012 5:59:00 PM
n-Amyl acetate	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM

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Qualifiers:

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- C Calibration %RSD/%D exceeded for non-CCC analytes
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- LOD Limit of Detection
- LOQ Limit of Quantitation
- P >40% diff for detected conc between the two GC columns
- PQL Practical Quantitation Limit
- S Spike Recovery outside accepted recovery limits
- U Indicates the compound was analyzed but not detected.

American Analytical Laboratories, LLC.

Date: *19-Jul-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	MW-1
Lab Order:	1207128	**Collection Date:**	7/13/2012 10:30:00 AM
Project:	429 Merrick Road, Lynbrook, NY (7045-LBNY	**Matrix:**	LIQUID
Lab ID:	1207128-01A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Naphthalene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
n-Butyl acetate	U	0.25	2.0		µg/L	1	7/17/2012 5:59:00 PM
n-Butylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
n-Propyl acetate	U	0.5	1.0		µg/L	1	7/17/2012 5:59:00 PM
n-Propylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
o-Xylene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
p-Diethylbenzene	U	0.5	1.0		µg/L	1	7/17/2012 5:59:00 PM
p-Ethyltoluene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
sec-Butylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Styrene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
t-Butyl alcohol	U	1	2.0		µg/L	1	7/17/2012 5:59:00 PM
tert-Butylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Tetrachloroethene	4.0	0.25	2.0		µg/L	1	7/17/2012 5:59:00 PM
Toluene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
trans-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
trans-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Trichloroethene	0.71	0.25	1.0	J	µg/L	1	7/17/2012 5:59:00 PM
Trichlorofluoromethane	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Vinyl acetate	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Vinyl chloride	U	0.25	1.0		µg/L	1	7/17/2012 5:59:00 PM
Surr: 4-Bromofluorobenzene	93.1	0	63-123		%REC	1	7/17/2012 5:59:00 PM
Surr: Dibromofluoromethane	102	0	68-124		%REC	1	7/17/2012 5:59:00 PM
Surr: Toluene-d8	88.9	0	67-125		%REC	1	7/17/2012 5:59:00 PM

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American Analytical Laboratories, LLC.

Date: *19-Jul-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	MW-2
Lab Order:	1207128	**Collection Date:**	7/13/2012 11:00:00 AM
Project:	429 Merrick Road, Lynbrook, NY (7045-LBNY	**Matrix:**	LIQUID
Lab ID:	1207128-02A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
1,1,1,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
1,1,1-Trichloroethane	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
1,1,2,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
1,1,2-Trichloroethane	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
1,1-Dichloroethane	U	0.5	1.0		µg/L	1	7/17/2012 6:31:00 PM
1,1-Dichloroethene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
1,1-Dichloropropene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
1,2,3-Trichlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
1,2,3-Trichloropropane	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
1,2,4,5-Tetramethylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
1,2,4-Trichlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
1,2,4-Trimethylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
1,2-Dibromo-3-chloropropane	U	0.5	2.0		µg/L	1	7/17/2012 6:31:00 PM
1,2-Dibromoethane	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
1,2-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
1,2-Dichloroethane	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
1,2-Dichloropropane	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
1,3,5-Trimethylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
1,3-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
1,3-dichloropropane	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
1,4-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
1,4-Dioxane	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
2,2-Dichloropropane	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
2-Butanone	U	1.25	2.5		µg/L	1	7/17/2012 6:31:00 PM
2-Chloroethyl vinyl ether	U	0.5	1.0	C	µg/L	1	7/17/2012 6:31:00 PM
2-Chlorotoluene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
2-Hexanone	U	1.25	2.5		µg/L	1	7/17/2012 6:31:00 PM
2-Propanol	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
4-Chlorotoluene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
4-Isopropyltoluene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
4-Methyl-2-pentanone	U	1.25	2.5		µg/L	1	7/17/2012 6:31:00 PM
Acetone	U	1.25	5.0		µg/L	1	7/17/2012 6:31:00 PM

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American Analytical Laboratories, LLC.

Date: *19-Jul-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	MW-2
Lab Order:	1207128	**Collection Date:**	7/13/2012 11:00:00 AM
Project:	429 Merrick Road, Lynbrook, NY (7045-LBNY	**Matrix:**	LIQUID
Lab ID:	1207128-02A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Acrolein	U	5	10	C	µg/L	1	7/17/2012 6:31:00 PM
Acrylonitrile	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Benzene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Bromobenzene	U	0.5	1.0		µg/L	1	7/17/2012 6:31:00 PM
Bromochloromethane	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Bromodichloromethane	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Bromoform	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Bromomethane	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Carbon disulfide	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Carbon tetrachloride	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Chlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Chlorodifluoromethane	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Chloroethane	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Chloroform	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Chloromethane	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
cis-1,2-Dichloroethene	6.5	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
cis-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Dibromochloromethane	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Dibromomethane	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Dichlorodifluoromethane	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Diisopropyl ether	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Ethanol	U	2.5	5.0		µg/L	1	7/17/2012 6:31:00 PM
Ethyl acetate	U	0.5	1.0		µg/L	1	7/17/2012 6:31:00 PM
Ethylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Freon-114	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Hexachlorobutadiene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Isopropyl acetate	U	1	2.0		µg/L	1	7/17/2012 6:31:00 PM
Isopropylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
m,p-Xylene	U	0.5	2.0		µg/L	1	7/17/2012 6:31:00 PM
Methyl Acetate	U	0.5	2.0		µg/L	1	7/17/2012 6:31:00 PM
Methyl tert-butyl ether	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Methylene chloride	4.6	0.25	1.0	B	µg/L	1	7/17/2012 6:31:00 PM
n-Amyl acetate	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM

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U	Indicates the compound was analyzed but not detected.	

American Analytical Laboratories, LLC.

Date: *19-Jul-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	MW-2
Lab Order:	1207128	**Collection Date:**	7/13/2012 11:00:00 AM
Project:	429 Merrick Road, Lynbrook, NY (7045-LBNY	**Matrix:**	LIQUID
Lab ID:	1207128-02A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Naphthalene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
n-Butyl acetate	U	0.25	2.0		µg/L	1	7/17/2012 6:31:00 PM
n-Butylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
n-Propyl acetate	U	0.5	1.0		µg/L	1	7/17/2012 6:31:00 PM
n-Propylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
o-Xylene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
p-Diethylbenzene	U	0.5	1.0		µg/L	1	7/17/2012 6:31:00 PM
p-Ethyltoluene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
sec-Butylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Styrene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
t-Butyl alcohol	U	1	2.0		µg/L	1	7/17/2012 6:31:00 PM
tert-Butylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Tetrachloroethene	130	0.25	2.0		µg/L	1	7/17/2012 6:31:00 PM
Toluene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
trans-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
trans-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Trichloroethene	16	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Trichlorofluoromethane	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Vinyl acetate	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Vinyl chloride	U	0.25	1.0		µg/L	1	7/17/2012 6:31:00 PM
Surr: 4-Bromofluorobenzene	94.5	0	63-123		%REC	1	7/17/2012 6:31:00 PM
Surr: Dibromofluoromethane	104	0	68-124		%REC	1	7/17/2012 6:31:00 PM
Surr: Toluene-d8	96.1	0	67-125		%REC	1	7/17/2012 6:31:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *19-Jul-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	MW-3
Lab Order:	1207128	**Collection Date:**	7/13/2012 11:30:00 AM
Project:	429 Merrick Road, Lynbrook, NY (7045-LBNY	**Matrix:**	LIQUID
Lab ID:	1207128-03A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
1,1,1,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
1,1,1-Trichloroethane	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
1,1,2,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
1,1,2-Trichloroethane	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
1,1-Dichloroethane	U	0.5	1.0		µg/L	1	7/17/2012 7:03:00 PM
1,1-Dichloroethene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
1,1-Dichloropropene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
1,2,3-Trichlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
1,2,3-Trichloropropane	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
1,2,4,5-Tetramethylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
1,2,4-Trichlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
1,2,4-Trimethylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
1,2-Dibromo-3-chloropropane	U	0.5	2.0		µg/L	1	7/17/2012 7:03:00 PM
1,2-Dibromoethane	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
1,2-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
1,2-Dichloroethane	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
1,2-Dichloropropane	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
1,3,5-Trimethylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
1,3-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
1,3-dichloropropane	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
1,4-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
1,4-Dioxane	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
2,2-Dichloropropane	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
2-Butanone	U	1.25	2.5		µg/L	1	7/17/2012 7:03:00 PM
2-Chloroethyl vinyl ether	U	0.5	1.0	C	µg/L	1	7/17/2012 7:03:00 PM
2-Chlorotoluene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
2-Hexanone	U	1.25	2.5		µg/L	1	7/17/2012 7:03:00 PM
2-Propanol	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
4-Chlorotoluene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
4-Isopropyltoluene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
4-Methyl-2-pentanone	U	1.25	2.5		µg/L	1	7/17/2012 7:03:00 PM
Acetone	U	1.25	5.0		µg/L	1	7/17/2012 7:03:00 PM

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LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
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American Analytical Laboratories, LLC.

Date: *19-Jul-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	MW-3
Lab Order:	1207128	**Collection Date:**	7/13/2012 11:30:00 AM
Project:	429 Merrick Road, Lynbrook, NY (7045-LBNY	**Matrix:**	LIQUID
Lab ID:	1207128-03A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Acrolein	U	5	10	C	µg/L	1	7/17/2012 7:03:00 PM
Acrylonitrile	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Benzene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Bromobenzene	U	0.5	1.0		µg/L	1	7/17/2012 7:03:00 PM
Bromochloromethane	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Bromodichloromethane	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Bromoform	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Bromomethane	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Carbon disulfide	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Carbon tetrachloride	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Chlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Chlorodifluoromethane	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Chloroethane	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Chloroform	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Chloromethane	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
cis-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
cis-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Dibromochloromethane	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Dibromomethane	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Dichlorodifluoromethane	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Diisopropyl ether	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Ethanol	U	2.5	5.0		µg/L	1	7/17/2012 7:03:00 PM
Ethyl acetate	U	0.5	1.0		µg/L	1	7/17/2012 7:03:00 PM
Ethylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Freon-114	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Hexachlorobutadiene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Isopropyl acetate	U	1	2.0		µg/L	1	7/17/2012 7:03:00 PM
Isopropylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
m,p-Xylene	U	0.5	2.0		µg/L	1	7/17/2012 7:03:00 PM
Methyl Acetate	U	0.5	2.0		µg/L	1	7/17/2012 7:03:00 PM
Methyl tert-butyl ether	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Methylene chloride	5.1	0.25	1.0	B	µg/L	1	7/17/2012 7:03:00 PM
n-Amyl acetate	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM

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American Analytical Laboratories, LLC.

Date: *19-Jul-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	MW-3
Lab Order:	1207128	**Collection Date:**	7/13/2012 11:30:00 AM
Project:	429 Merrick Road, Lynbrook, NY (7045-LBNY	**Matrix:**	LIQUID
Lab ID:	1207128-03A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: **LA**
Naphthalene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
n-Butyl acetate	U	0.25	2.0		µg/L	1	7/17/2012 7:03:00 PM
n-Butylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
n-Propyl acetate	U	0.5	1.0		µg/L	1	7/17/2012 7:03:00 PM
n-Propylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
o-Xylene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
p-Diethylbenzene	U	0.5	1.0		µg/L	1	7/17/2012 7:03:00 PM
p-Ethyltoluene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
sec-Butylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Styrene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
t-Butyl alcohol	U	1	2.0		µg/L	1	7/17/2012 7:03:00 PM
tert-Butylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Tetrachloroethene	0.98	0.25	2.0	J	µg/L	1	7/17/2012 7:03:00 PM
Toluene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
trans-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
trans-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Trichloroethene	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Trichlorofluoromethane	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Vinyl acetate	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Vinyl chloride	U	0.25	1.0		µg/L	1	7/17/2012 7:03:00 PM
Surr: 4-Bromofluorobenzene	88.9	0	63-123		%REC	1	7/17/2012 7:03:00 PM
Surr: Dibromofluoromethane	101	0	68-124		%REC	1	7/17/2012 7:03:00 PM
Surr: Toluene-d8	89.8	0	67-125		%REC	1	7/17/2012 7:03:00 PM

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American Analytical Laboratories, LLC.

Date: *19-Jul-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	MW-4
Lab Order:	1207128	**Collection Date:**	7/13/2012 12:00:00 PM
Project:	429 Merrick Road, Lynbrook, NY (7045-LBNY	**Matrix:**	LIQUID
Lab ID:	1207128-04A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
1,1,1,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
1,1,1-Trichloroethane	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
1,1,2,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
1,1,2-Trichloroethane	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
1,1-Dichloroethane	U	0.5	1.0		µg/L	1	7/17/2012 7:34:00 PM
1,1-Dichloroethene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
1,1-Dichloropropene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
1,2,3-Trichlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
1,2,3-Trichloropropane	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
1,2,4,5-Tetramethylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
1,2,4-Trichlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
1,2,4-Trimethylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
1,2-Dibromo-3-chloropropane	U	0.5	2.0		µg/L	1	7/17/2012 7:34:00 PM
1,2-Dibromoethane	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
1,2-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
1,2-Dichloroethane	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
1,2-Dichloropropane	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
1,3,5-Trimethylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
1,3-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
1,3-dichloropropane	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
1,4-Dichlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
1,4-Dioxane	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
2,2-Dichloropropane	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
2-Butanone	U	1.25	2.5		µg/L	1	7/17/2012 7:34:00 PM
2-Chloroethyl vinyl ether	U	0.5	1.0	C	µg/L	1	7/17/2012 7:34:00 PM
2-Chlorotoluene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
2-Hexanone	U	1.25	2.5		µg/L	1	7/17/2012 7:34:00 PM
2-Propanol	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
4-Chlorotoluene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
4-Isopropyltoluene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
4-Methyl-2-pentanone	U	1.25	2.5		µg/L	1	7/17/2012 7:34:00 PM
Acetone	U	1.25	5.0		µg/L	1	7/17/2012 7:34:00 PM

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American Analytical Laboratories, LLC.

Date: *19-Jul-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	MW-4
Lab Order:	1207128	**Collection Date:**	7/13/2012 12:00:00 PM
Project:	429 Merrick Road, Lynbrook, NY (7045-LBNY	**Matrix:**	LIQUID
Lab ID:	1207128-04A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Acrolein	U	5	10	C	µg/L	1	7/17/2012 7:34:00 PM
Acrylonitrile	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Benzene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Bromobenzene	U	0.5	1.0		µg/L	1	7/17/2012 7:34:00 PM
Bromochloromethane	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Bromodichloromethane	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Bromoform	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Bromomethane	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Carbon disulfide	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Carbon tetrachloride	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Chlorobenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Chlorodifluoromethane	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Chloroethane	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Chloroform	0.84	0.25	1.0	J	µg/L	1	7/17/2012 7:34:00 PM
Chloromethane	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
cis-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
cis-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Dibromochloromethane	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Dibromomethane	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Dichlorodifluoromethane	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Diisopropyl ether	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Ethanol	U	2.5	5.0		µg/L	1	7/17/2012 7:34:00 PM
Ethyl acetate	U	0.5	1.0		µg/L	1	7/17/2012 7:34:00 PM
Ethylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Freon-114	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Hexachlorobutadiene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Isopropyl acetate	U	1	2.0		µg/L	1	7/17/2012 7:34:00 PM
Isopropylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
m,p-Xylene	U	0.5	2.0		µg/L	1	7/17/2012 7:34:00 PM
Methyl Acetate	U	0.5	2.0		µg/L	1	7/17/2012 7:34:00 PM
Methyl tert-butyl ether	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Methylene chloride	4.2	0.25	1.0	B	µg/L	1	7/17/2012 7:34:00 PM
n-Amyl acetate	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM

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American Analytical Laboratories, LLC.

Date: *19-Jul-12*

ELAP ID : 11418

CLIENT:	Advanced Cleanup Technologies, Inc.	**Client Sample ID:**	MW-4
Lab Order:	1207128	**Collection Date:**	7/13/2012 12:00:00 PM
Project:	429 Merrick Road, Lynbrook, NY (7045-LBNY	**Matrix:**	LIQUID
Lab ID:	1207128-04A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**				Analyst: LA
Naphthalene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
n-Butyl acetate	U	0.25	2.0		µg/L	1	7/17/2012 7:34:00 PM
n-Butylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
n-Propyl acetate	U	0.5	1.0		µg/L	1	7/17/2012 7:34:00 PM
n-Propylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
o-Xylene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
p-Diethylbenzene	U	0.5	1.0		µg/L	1	7/17/2012 7:34:00 PM
p-Ethyltoluene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
sec-Butylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Styrene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
t-Butyl alcohol	U	1	2.0		µg/L	1	7/17/2012 7:34:00 PM
tert-Butylbenzene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Tetrachloroethene	7.5	0.25	2.0		µg/L	1	7/17/2012 7:34:00 PM
Toluene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
trans-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
trans-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Trichloroethene	1.2	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Trichlorofluoromethane	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Vinyl acetate	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Vinyl chloride	U	0.25	1.0		µg/L	1	7/17/2012 7:34:00 PM
Surr: 4-Bromofluorobenzene	94.7	0	63-123		%REC	1	7/17/2012 7:34:00 PM
Surr: Dibromofluoromethane	101	0	68-124		%REC	1	7/17/2012 7:34:00 PM
Surr: Toluene-d8	89.6	0	67-125		%REC	1	7/17/2012 7:34:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	LOD	Limit of Detection
LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

American Analytical Laboratories, LLC.

Date: *19-Jul-12*

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207128
Project: 429 Merrick Road, Lynbrook, NY (7045-LBNY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **V624LCS-071712HW** SampType: **LCS** TestCode: **Full8260_W** Units: **µg/L** Prep Date: **7/17/2012** RunNo: **64348**
Client ID: **LCSW** Batch ID: **R64348** TestNo: **SW8260C** Analysis Date: **7/17/2012** SeqNo: **909353**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	36	1.0	50.00	0	71.4	38	136				
1,1,2,2-Tetrachloroethane	45	1.0	50.00	0	89.3	50	124				
1,1,2-Trichloroethane	34	1.0	50.00	0	69.0	52	128				
1,1-Dichloroethane	37	1.0	50.00	0	74.1	55	123				
1,1-Dichloroethene	35	1.0	50.00	0	70.4	48	128				
1,2-Dichlorobenzene	37	1.0	50.00	0	74.3	59	123				
1,2-Dichloroethane	37	1.0	50.00	0	73.4	52	129				
1,2-Dichloropropane	36	1.0	50.00	0	71.1	58	124				
1,3-Dichlorobenzene	40	1.0	50.00	0	79.1	51	124				
1,4-Dichlorobenzene	37	1.0	50.00	0	73.7	54	128				
2-Chloroethyl vinyl ether	24	1.0	50.00	0	48.6	25	141				C
Benzene	35	1.0	50.00	0	69.6	53	131				
Bromodichloromethane	33	1.0	50.00	0	66.7	54	126				
Bromoform	41	1.0	50.00	0	82.0	53	127				
Bromomethane	50	1.0	50.00	0	99.9	42	150				
Carbon tetrachloride	37	1.0	50.00	0	73.1	46	135				
Chlorobenzene	36	1.0	50.00	0	71.9	53	121				
Chloroethane	43	1.0	50.00	0	86.7	40	145				
Chloroform	38	1.0	50.00	0	75.1	41	135				
Chloromethane	59	1.0	50.00	0	118	32	149				
cis-1,3-Dichloropropene	31	1.0	50.00	0	61.3	46	128				
Dibromochloromethane	35	1.0	50.00	0	69.2	42	124				
Ethylbenzene	40	1.0	50.00	0	80.7	52	135				
Methylene chloride	40	1.0	50.00	0	79.2	35	137				B
Tetrachloroethene	34	2.0	50.00	0	67.5	26	126				
Toluene	34	1.0	50.00	0	68.0	51	130				
trans-1,2-Dichloroethene	35	1.0	50.00	0	69.0	49	125				
trans-1,3-Dichloropropene	31	1.0	50.00	0	61.3	43	125				
Trichloroethene	36	1.0	50.00	0	71.7	47	127				
Trichlorofluoromethane	53	1.0	50.00	0	106	50	152				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207128
Project: 429 Merrick Road, Lynbrook, NY (7045-LBNY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **V624LCS-071712HW** SampType: **LCS** TestCode: **Full8260_W** Units: **µg/L** Prep Date: **7/17/2012** RunNo: **64348**
Client ID: **LCSW** Batch ID: **R64348** TestNo: **SW8260C** Analysis Date: **7/17/2012** SeqNo: **909353**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	58	1.0	50.00	0	116	50	149				
Surr: 4-Bromofluorobenzene	49		50.00		97.8	63	123				
Surr: Dibromofluoromethane	51		50.00		102	68	124				
Surr: Toluene-d8	47		50.00		94.0	67	125				

Sample ID: **VBLK-071712HW** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: **7/17/2012** RunNo: **64348**
Client ID: **PBW** Batch ID: **R64348** TestNo: **SW8260C** Analysis Date: **7/17/2012** SeqNo: **909354**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	1.0									
1,1,1-Trichloroethane	U	1.0									
1,1,2,2-Tetrachloroethane	U	1.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0									
1,1,2-Trichloroethane	U	1.0									
1,1-Dichloroethane	U	1.0									
1,1-Dichloroethene	U	1.0									
1,1-Dichloropropene	U	1.0									
1,2,3-Trichlorobenzene	U	1.0									
1,2,3-Trichloropropane	U	1.0									
1,2,4,5-Tetramethylbenzene	U	1.0									
1,2,4-Trichlorobenzene	U	1.0									
1,2,4-Trimethylbenzene	U	1.0									
1,2-Dibromo-3-chloropropane	U	2.0									
1,2-Dibromoethane	U	1.0									
1,2-Dichlorobenzene	U	1.0									
1,2-Dichloroethane	U	1.0									
1,2-Dichloropropane	U	1.0									
1,3,5-Trimethylbenzene	U	1.0									
1,3-Dichlorobenzene	U	1.0									
1,3-dichloropropane	U	1.0									
1,4-Dichlorobenzene	U	1.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207128
Project: 429 Merrick Road, Lynbrook, NY (7045-LBNY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK-071712HW**	SampType: **MBLK**	TestCode: **Full8260_W**	Units: **µg/L**	Prep Date: **7/17/2012**		RunNo: **64348**	
Client ID: **PBW**	Batch ID: **R64348**	TestNo: **SW8260C**		Analysis Date: **7/17/2012**		SeqNo: **909354**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dioxane	U	1.0									
2,2-Dichloropropane	U	1.0									
2-Butanone	U	2.5									
2-Chloroethyl vinyl ether	U	1.0									C
2-Chlorotoluene	U	1.0									
2-Hexanone	U	2.5									
2-Propanol	U	1.0									
4-Chlorotoluene	U	1.0									
4-Isopropyltoluene	U	1.0									
4-Methyl-2-pentanone	U	2.5									
Acetone	U	5.0									
Acrolein	U	10									C
Acrylonitrile	U	1.0									
Benzene	U	1.0									
Bromobenzene	U	1.0									
Bromochloromethane	U	1.0									
Bromodichloromethane	U	1.0									
Bromoform	U	1.0									
Bromomethane	U	1.0									
Carbon disulfide	U	1.0									
Carbon tetrachloride	U	1.0									
Chlorobenzene	U	1.0									
Chlorodifluoromethane	U	1.0									
Chloroethane	U	1.0									
Chloroform	U	1.0									
Chloromethane	U	1.0									
cis-1,2-Dichloroethene	U	1.0									
cis-1,3-Dichloropropene	U	1.0									
Dibromochloromethane	U	1.0									
Dibromomethane	U	1.0									
Dichlorodifluoromethane	U	1.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207128
Project: 429 Merrick Road, Lynbrook, NY (7045-LBNY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK-071712HW** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: **7/17/2012** RunNo: **64348**
Client ID: **PBW** Batch ID: **R64348** TestNo: **SW8260C** Analysis Date: **7/17/2012** SeqNo: **909354**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diisopropyl ether	U	1.0									
Ethanol	U	5.0									
Ethyl acetate	U	1.0									
Ethylbenzene	U	1.0									
Freon-114	U	1.0									
Hexachlorobutadiene	U	1.0									
Isopropyl acetate	U	2.0									
Isopropylbenzene	U	1.0									
m,p-Xylene	U	2.0									
Methyl Acetate	U	2.0									
Methyl tert-butyl ether	U	1.0									
Methylene chloride	7.2	1.0									
n-Amyl acetate	U	1.0									
Naphthalene	U	1.0									
n-Butyl acetate	U	2.0									
n-Butylbenzene	U	1.0									
n-Propyl acetate	U	1.0									
n-Propylbenzene	U	1.0									
o-Xylene	U	1.0									
p-Diethylbenzene	U	1.0									
p-Ethyltoluene	U	1.0									
sec-Butylbenzene	U	1.0									
Styrene	U	1.0									
t-Butyl alcohol	U	2.0									
tert-Butylbenzene	U	1.0									
Tetrachloroethene	U	2.0									
Toluene	U	1.0									
trans-1,2-Dichloroethene	U	1.0									
trans-1,3-Dichloropropene	U	1.0									
Trichloroethene	U	1.0									
Trichlorofluoromethane	U	1.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207128
Project: 429 Merrick Road, Lynbrook, NY (7045-LBNY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **VBLK-071712HW** SampType: **MBLK** TestCode: **Full8260_W** Units: **µg/L** Prep Date: **7/17/2012** RunNo: **64348**
Client ID: **PBW** Batch ID: **R64348** TestNo: **SW8260C** Analysis Date: **7/17/2012** SeqNo: **909354**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl acetate	U	1.0									
Vinyl chloride	U	1.0									
Surr: 4-Bromofluorobenzene	47		50.00		94.7	63	123				
Surr: Dibromofluoromethane	51		50.00		101	68	124				
Surr: Toluene-d8	44		50.00		89.0	67	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

American Analytical Laboratories, LLC.

Date: *19-Jul-12*

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207128
Project: 429 Merrick Road, Lynbrook, NY (7045-LBNY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **1207128-04AMS**	SampType: **MS**	TestCode: **Full8260_W**	Units: **µg/L**	Prep Date:	RunNo: **64348**
Client ID: **MW-4**	Batch ID: **R64348**	TestNo: **SW8260C**		Analysis Date: **7/17/2012**	SeqNo: **909359**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	35	1.0	50.00	0	70.4	32	122				
1,1,2,2-Tetrachloroethane	43	1.0	50.00	0	87.0	30	130				
1,1,2-Trichloroethane	34	1.0	50.00	0	68.9	32	120				
1,1-Dichloroethane	37	1.0	50.00	0	73.0	26	121				
1,1-Dichloroethene	34	1.0	50.00	0	69.0	29	118				
1,2-Dichlorobenzene	36	1.0	50.00	0	72.0	33	109				
1,2-Dichloroethane	36	1.0	50.00	0	71.3	26	120				
1,2-Dichloropropane	35	1.0	50.00	0	70.1	29	119				
1,3-Dichlorobenzene	39	1.0	50.00	0	77.3	35	111				
1,4-Dichlorobenzene	36	1.0	50.00	0	71.1	35	110				
Benzene	34	1.0	50.00	0	68.7	27	116				
Bromodichloromethane	33	1.0	50.00	0	66.2	32	110				
Bromoform	40	1.0	50.00	0	80.5	27	119				
Bromomethane	50	1.0	50.00	0	100	30	120				
Carbon tetrachloride	36	1.0	50.00	0	71.4	27	123				
Chlorobenzene	35	1.0	50.00	0	70.1	33	120				
Chloroethane	45	1.0	50.00	0	89.0	24	138				
Chloroform	38	1.0	50.00	0.8400	74.0	29	128				
Chloromethane	58	1.0	50.00	0	116	20	118				
cis-1,3-Dichloropropene	29	1.0	50.00	0	58.3	27	110				
Dibromochloromethane	34	1.0	50.00	0	67.9	32	118				
Ethylbenzene	39	1.0	50.00	0	78.2	37	111				
Methylene chloride	38	1.0	50.00	4.250	67.3	24	112				B
Tetrachloroethene	39	2.0	50.00	7.500	63.7	20	125				
Toluene	34	1.0	50.00	0	68.5	30	120				
trans-1,2-Dichloroethene	34	1.0	50.00	0	68.4	27	115				
trans-1,3-Dichloropropene	29	1.0	50.00	0	58.3	20	123				
Trichloroethene	37	1.0	50.00	1.190	70.8	24	122				
Trichlorofluoromethane	52	1.0	50.00	0	104	30	129				
Vinyl chloride	57	1.0	50.00	0	113	20	141				

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207128
Project: 429 Merrick Road, Lynbrook, NY (7045-LBNY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: 1207128-04AMS	SampType: MS	TestCode: Full8260_W	Units: µg/L	Prep Date:	RunNo: 64348
Client ID: MW-4	Batch ID: R64348	TestNo: SW8260C		Analysis Date: 7/17/2012	SeqNo: 909359

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	48		50.00		95.9	63	123				
Surr: Dibromofluoromethane	52		50.00		104	68	124				
Surr: Toluene-d8	48		50.00		95.3	67	125				

Sample ID: 1207128-04AMSD	SampType: MSD	TestCode: Full8260_W	Units: µg/L	Prep Date:	RunNo: 64348
Client ID: MW-4	Batch ID: R64348	TestNo: SW8260C		Analysis Date: 7/17/2012	SeqNo: 909360

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	32	1.0	50.00	0	63.8	32	122	35.19	9.87	20	
1,1,2,2-Tetrachloroethane	40	1.0	50.00	0	79.8	30	130	43.48	8.56	20	
1,1,2-Trichloroethane	31	1.0	50.00	0	62.1	32	120	34.45	10.4	20	
1,1-Dichloroethane	33	1.0	50.00	0	65.7	26	121	36.51	10.5	20	
1,1-Dichloroethene	31	1.0	50.00	0	61.7	29	118	34.50	11.2	20	
1,2-Dichlorobenzene	33	1.0	50.00	0	66.5	33	109	36.02	7.97	20	
1,2-Dichloroethane	32	1.0	50.00	0	63.9	26	120	35.66	11.0	20	
1,2-Dichloropropane	31	1.0	50.00	0	63.0	29	119	35.03	10.6	20	
1,3-Dichlorobenzene	35	1.0	50.00	0	70.0	35	111	38.64	9.91	20	
1,4-Dichlorobenzene	32	1.0	50.00	0	63.8	35	110	35.57	10.8	20	
Benzene	31	1.0	50.00	0	62.3	27	116	34.35	9.71	20	
Bromodichloromethane	30	1.0	50.00	0	59.7	32	110	33.11	10.4	20	
Bromoform	36	1.0	50.00	0	71.5	27	119	40.26	11.8	20	
Bromomethane	46	1.0	50.00	0	91.6	30	120	50.11	8.97	20	
Carbon tetrachloride	32	1.0	50.00	0	64.0	27	123	35.69	10.9	20	
Chlorobenzene	32	1.0	50.00	0	64.4	33	120	35.07	8.47	20	
Chloroethane	37	1.0	50.00	0	73.9	24	138	44.51	18.6	20	
Chloroform	34	1.0	50.00	0.8400	66.1	29	128	37.86	11.0	20	
Chloromethane	52	1.0	50.00	0	105	20	118	57.78	9.75	20	
cis-1,3-Dichloropropene	26	1.0	50.00	0	52.3	27	110	29.17	11.0	20	
Dibromochloromethane	30	1.0	50.00	0	60.6	32	118	33.95	11.3	20	
Ethylbenzene	36	1.0	50.00	0	71.9	37	111	39.11	8.45	20	
Methylene chloride	35	1.0	50.00	4.250	60.9	24	112	37.88	8.71	20	B

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed

CLIENT: Advanced Cleanup Technologies, Inc.
Work Order: 1207128
Project: 429 Merrick Road, Lynbrook, NY (7045-LBNY

ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260_W

Sample ID: **1207128-04AMSD**	SampType: **MSD**	TestCode: **Full8260_W**	Units: **µg/L**	Prep Date:	RunNo: **64348**
Client ID: **MW-4**	Batch ID: **R64348**	TestNo: **SW8260C**		Analysis Date: **7/17/2012**	SeqNo: **909360**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	37	2.0	50.00	7.500	58.2	20	125	39.35	7.30	20	
Toluene	31	1.0	50.00	0	61.6	30	120	34.25	10.6	20	
trans-1,2-Dichloroethene	30	1.0	50.00	0	60.9	27	115	34.21	11.6	20	
trans-1,3-Dichloropropene	26	1.0	50.00	0	52.3	20	123	29.17	11.0	20	
Trichloroethene	33	1.0	50.00	1.190	63.9	24	122	36.57	9.90	20	
Trichlorofluoromethane	47	1.0	50.00	0	93.5	30	129	52.24	11.1	20	
Vinyl chloride	51	1.0	50.00	0	102	20	141	56.70	10.7	20	
Surr: 4-Bromofluorobenzene	49		50.00		98.0	63	123		0	0	
Surr: Dibromofluoromethane	53		50.00		106	68	124		0	0	
Surr: Toluene-d8	48		50.00		95.9	67	125		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes	H	Holding times for preparation or analy
J	Analyte detected below quantitation limits	P	>40% diff for detected conc between the two GC column	PQL	Practical Quantitation Limit
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed