Former Husslein Plating Corp.
and Former Sempke Bus Garage Site

NASSAU COUNTY, NEW YORK

Final Site Management Plan

NYSDEC BCP Number: C130143

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SITE MANAGEMENT PLAN

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LIST OF ACRONYMS

Acronym	Definition
AST	**Aboveground Storage Tank**
CAMP	**Community Air Monitoring Plan**
C&D	**Construction & Demolition**
CEQR	**City Environmental Quality Review**
CFR	**Code of Federal Regulations**
CHASP	**Construction Health and Safety Plan**
CO	**Certificate of Occupancy**
CPC	**City Planning Commission**
DSNY	**New York City Department of Sanitation**
"E"	**E-Designation**
EAS	**Environmental Assessment Statement**
EIS	**Environmental Impact Statement**
ESA	**Environmental Site Assessment**
EC/IC	**Engineering Control and Institutional Control**
ELAP	**Environmental Laboratory Accreditation Program**
FDNY	**New York City Fire Department**
GPR	**Ground Penetrating Radar**
HASP	**Health and Safety Plan**
HAZWOPER	**Hazardous Waste Operations Emergency Response**
IDW	**Investigation Derived Waste**
Notice - NNO	**Notice of No Objection**
Notice - NTP	**Notice to Proceed**
Notice - NOS	**Notice of Satisfaction**
Notice - FNOS	**Final Notice of Satisfaction**
NYC BSA	**New York City Board of Standards and Appeals**
NYC DCP	**New York City Department of City Planning**
NYC DEP	**New York City Department of Environmental Protection**
NYC DOB	**New York City Department of Buildings**
NYC DOF	**New York City Department of Finance**
NYC HPD	**New York City Housing Preservation and Development**
NYCRR	**New York Codes Rules and Regulations**
NYC OER	**New York City Office of Environmental Remediation**

NYS DEC	**New York State Department of Environmental Conservation**
NYS DEC DER	**New York State Department of Environmental Conservation Division of Environmental Remediation**
NYS DEC PBS	**New York State Department of Environmental Conservation Petroleum Bulk Storage**
NYS DOH	**New York State Department of Health**
NYS DOT	**New York State Department of Transportation**
OSHA	**United States Occupational Health and Safety Administration**
PAHs	**Polycyclic Aromatic Hydrocarbons**
PCBs	**Polychlorinated Biphenyls**
PE	**Professional Engineer**
PID	**Photo Ionization Detector**
PM	**Particulate Matter**
QEP	**Qualified Environmental Professional**
RA	**Registered Architect**
RAP/RAWP	**Remedial Action Plan/Remedial Action Work Plan**
RCA	**Recycled Concrete Aggregate**
RCR	**Remedial Closure Report**
RD	**Restrictive Declaration**
RI	**Remedial Investigation**
SCOs	**Soil Cleanup Objectives**
SCG	**Standards, Criteria and Guidance**
SMP	**Site Management Plan**
SPDES	**State Pollutant Discharge Elimination System**
SSDS	**Sub-Slab Depressurization System**
SVOCs	**Semi-Volatile Organic Compounds**
USCS	**Unified Soil Classification System**
USGS	**United States Geological Survey**
UST	**Underground Storage Tank**
TAL	**Target Analyte List**
TCL	**Target Compound List**
TCO	**Temporary Certificate of Occupancy**
VB	**Vapor Barrier**
VOCs	**Volatile Organic Compounds**

LIST OF APPENDICES

A SITE SAMPLING LOCATIONS PLAN

B METES AND BOUNDS

C ENVIRONMENTAL EASEMENT

D TANK DISPOSAL MANIFSTS

E SOIL MANIFESTS

F FILL SAMPLING RESULTS

G NY RESTRICTED RESIDENTIAL SCOS

H CONCRETE CAP DESIGN

I COMMUNITY AIR MONITORING PROGRAM

CERTIFICATIONS

I, Richard D Galli, P.E., am currently a registered Professional Engineer licensed by the State of New York. I have been retained to prepare this Site Management Plan for the (former) Husslein Plating Corp. and (former) Sempke Bus Garage Site (NYSDEC BCA Index No. W1-1073-05-08 Site No. 130143).

I certify that the Site description presented in this SMP is identical to the Site descriptions presented in the Environmental Easement, the Alternatives Analysis, and the Brownfield Cleanup Agreement for (former) Husslein Plating Corp. and (former) Sempke Bus Garage Site and related amendments.

For purposes of the Certification, "remedial activities" shall mean the following activities completed with oversight by Galli Engineering, P.C. (Galli).

Fill material sampling

Preparation of Environmental Easement

Design and monitor installation of concrete cap

To the extent that any remedial work was undertaken prior to Galli's involvement with the Site, Galli has reviewed all information made available to it and certifies upon best available information and belief that such work was done consistent with the Environmental Conservation Law.

I certify that the remedial activities were observed by qualified environmental professionals under my supervision and that the remediation requirements set forth in the Remedial Action Work Plan and any other relevant provisions of ECL 27-1419 have been achieved.

I certify that all use restrictions, Institutional Controls, Engineering Controls, and all operation and maintenance requirements applicable to the Site are contained in an Environmental Easement created and recorded pursuant ECL 71-3605 and that all affected local governments, as defined in ECL 71-3603, have been notified that such Easement has been recorded. This Site Management Plan has been prepared by the Applicant for the continual and proper operation,

maintenance, and monitoring of all Engineering Controls employed at the Site, including the proper maintenance of all remaining monitoring wells.

I certify that all information and statements in this certification are true. I understand that a false statement made herein is punishable as Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.



59461	10-22-14	
NYS Professional Engineer #	Date	Signature

Note: It is a violation of Article 130 of New York State Education Law for any person to alter this document in any way without the express written verification of adoption by any New York State licensed engineer in accordance with Section 7209(2), Article 130, New York State Education Law.

SITE MANAGEMENT PLAN

1.0 INTRODUCTION AND DESCRIPTION OF REMEDIAL PROGRAM

1.1 INTRODUCTION

This document is a required submission for fulfillment of Remedial Action at 48 Sewell Street, Hempstead, NY 11550, Block 638 Lots 21 through 28, inclusive, (hereafter referred to as the "Site") under the New York State (NYS) Brownfield Cleanup Program (BCP) administered by New York State Department of Environmental Conservation (NYSDEC). The Site was remediated in accordance with the Brownfield Cleanup Agreement (BCA) Index #W1-1073-05-08, Site #C130143, which was effective on February 27, 2006 and the BCA was amended (Index #W1-1141-09-07) on September 4, 2009.

1.1.1 General

48 Sewell Street, LLC with an address c/o Genoa & Associates, P.C., 12 Jaegger Drive, Old Brookville, New York entered into a BCA with the NYSDEC to develop an approximately 0.37 acre property located in Hempstead, Nassau County, New York into a commercial development on February 27, 2006. Fildon, LLC was added to the BCA as a volunteer effective September 4, 2009 when Fildon, LLC purchased the property, while 48 Sewell Street, LLC still remains the Participant. The Brownfield Cleanup Act was enacted to encourage the voluntary remediation of brownfield sites for use and redevelopment, and in accordance with the terms of the BCA the parties agreed to investigate the extent and nature of contamination at the Site and to prepare various work plans with regard to the potential remediation of any such contamination. The subject property is a former plating facility located at 48 Sewell Street, Village of Hempstead, New York. The Nassau County tax designation for the Site is Section 35, Block 638, Lots 21 through 28, inclusive. The Site is part of the EN-Zone located within the County of Nassau, Town of Hempstead, Census Track 4067, Block Group 3 and Block 3008. A map of the Site location is shown in Appendix A. The boundary of this 0.37 acre BCP Site is more fully described in Appendix B - Metes and Bounds. The Site boundaries are depicted on the Site map.

After completion of the remedial work described in the Remedial Action Work Plan, some contamination was left in the subsurface at this Site, which is hereafter referred to as 'residual contamination.' This Site Management Plan (SMP) was prepared to manage residual contamination at the Site in perpetuity or until extinguishment of the Environmental Easement in accordance with 6 NYCRR Part 375. Remedial Action work on the Site, in accordance with the BCA, began in April, 2006. Remedial measures at the Site however, began prior to execution of the BCA. Remedial Action work with regard to the removal of soils from the Site was completed in December, 2010. All reports associated with the Site can be viewed by contacting the NYSDEC or its successor agency managing environmental issues in New York State.

This SMP was prepared by Galli Engineering, P.C. (Galli) on behalf of Fildon, LLC in accordance with the requirements in NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation (May, 2010) and the guidelines provided by NYSDEC. This SMP addresses the means for implementation of Institutional Controls (ICs) and Engineering Controls (ECs), which are required by the Environmental Easement for the Site.

1.1.2 Purpose

Residual contamination left at the Site after completion of the Remedial Action exceeds the levels allowable for Unrestricted Use. Therefore, a Site Management Plan (SMP) is required to discuss appropriate restrictions and how they will be implemented and enforced. Engineering Controls (ECs) have been incorporated into the Site remedy to provide proper management of residual contamination in the future to ensure protection of public health and the environment. A Site-specific Environmental Easement has been recorded with the Nassau County Clerk to provide an enforceable means for ensuring the continued and proper management of residual contamination and the protection of public health and the environment. It requires strict adherence to all Engineering Controls and all Institutional Controls placed on this Site by NYSDEC by the grantor of the Environmental Easement and any and all successors and assigns of the grantor. ICs provide restrictions on Site usage and mandate operation, maintenance, monitoring, and reporting measures for all ECs and ICs. This SMP includes all methods necessary to ensure compliance with all ECs

and ICs required by the Environmental Easement for residual contamination at the Site. The SMP has been approved by the NYSDEC, and compliance with this Plan is required by the grantor of the Environmental Easement and grantor's successors and assigns. This plan is subject to change by NYSDEC.

Site management is the last phase of the remedial process and is triggered by the approval of the Final Engineering Report and issuance of the Certificate of Completion (COC) by NYSDEC. The SMP continues in perpetuity or until extinguished in accordance with 6 NYCRR Part 375. It is the responsibility of the Environmental Easement grantor, and its successors and assigns to ensure that all Site Management responsibilities under this plan are performed.

The SMP provides a detailed description of all procedures required to manage residual contamination at the Site following the completion of the Remedial Action in accordance with the Brownfield Cleanup Agreement, as amended. This includes: (1) development, implementation, and management of all Engineering and Institutional Controls; (2) development and implementation of monitoring systems and a Monitoring Plan; (3) development of a plan to operate and maintain all treatment, collection, containment, or recovery systems, if any, (including, where appropriate, preparation of an Operation and Maintenance Manual); (4) submittal of Site Management Reports, performance of inspections and certification of results, and demonstration of proper communication of Site information to NYSDEC; and (5) defining criteria for termination of treatment system operation.

To address these needs, this SMP includes four plans: (1) an Engineering and Institutional Control Plan for implementation and management of EC/ICs; (2) a Monitoring Plan for implementation of Site Monitoring; (3) an Operation and Maintenance Plan for implementation of remedial collection, containment, treatment, and recovery systems; and (4) a Site Management Reporting Plan for submittal of data, information, recommendations, and certifications to the NYSDEC.

Site Management activities, reporting, and EC/IC certification will be scheduled on a certification period basis. The certification period will be annually.

Important notes regarding this SMP are as follows:

- This SMP defines Site-specific implementation procedures as required by the Environmental Easement. The penalty for failure to implement the SMP is revocation of the COC;
- The Brownfield Cleanup Agreement (Index #'s W1-1073-05-08 and W1-1141-09-07; Site #C130143) for the Site requires conformance with this SMP and therefore serves as a contractual binding authority under which this SMP is to be implemented. The BCP law itself also requires the preparation of an SMP (formerly known as an Operation, Maintenance and Monitoring Plan) in ECL 27-1415 and 27-1419. Therefore, the BCA is a binding contract and the BCP law is statutory authority under which this SMP is to be implemented.
- At the time this report was prepared, the SMP and all Site documents related to Remedial Investigation and Remedial Action are maintained at the NYSDEC Central Office, in Albany, NY. At the time of SMP submission (November 2013), the Site documents can also be found in the repositories established for this project, which include:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
(518) 402-9553

Hempstead Public Library
115 Nichols Court
Hempstead, NY 11550

1.2 SITE BACKGROUND

1.2.1 Site Location and Description

The Site is located in the County of Nassau, New York and is identified as Block 638 and Lots 21 through 28, inclusive, on the Hempstead Tax Map. The Site is approximately 0.37-acres in

area and lies on the block bounded by Sewell Street to the north, Whitson Street to the south, an industrial complex to the east, and Mirschel Street to the west (See Appendix A). The boundary of the Site is more fully described in Appendix B – Metes and Bounds.

1.2.2 Site History

This parcel was occupied by Husslein Plating Corp. from 1972 to 1995. During this time period Husslein Plating Corp. used the property for straightening and plating of steel automobile bumpers. Sanitary sewer flow was noted to be on the order of 600 gallons per day (gpd) and discharges were to a separate wastewater line at the northeast corner of the property. The remaining western portion of the property contained the tanks for the plating line. Prior historical use also includes a suburban bus garage (Sempke Bus) from on or about 1945 to 1972. Currently the Site is essentially vacant as it is "occupied" by a tenant who only uses it for equipment storage. Fildon, LLC now owns the subject property. The historic record of use was derived from records obtained from the Nassau County Department of Health, Nassau County Tax Assessor, Nassau County Fire Marshal, and from an interview with past employees.

Initial ownership of the subject property was by R. William Sempke and George Sempke, Executor of the Estate of R. William Sempke and sole heir at law c/o Harran Transportation. Neither of these parties has any relationship to the applicant. The next owners were Raymond Husslein and Ludwig Husslein Jr. Raymond Husslein sold out his interest to Ludwig Husslein in 1981. Ludwig Husslein died on January 21, 2003. The Applicant is an LLC whose sole member is the Estate of Ludwig Husslein Jr. Operation of the property after initial development of the land was as Sempke Transportation, followed by Husslein Plating Corp. (dissolved by proclamation December 27, 2000; no relationship to Applicant), and then Crash Parts Warehouse (also dissolved by proclamation December 27, 2000 and no relationship to Applicant). The next occupant was the Shannon Group, Inc., (November 6, 1999 through December 10, 1999) which rented the property as a tenant for the storage of equipment and trailers. Again, this tenant had no relationship to the Applicant. Aggregates Plus, Ltd., also no relationship to the Applicant, was a tenant from May 2004 to in or about October 2009 when the Site was sold to Fildon L.L.C., the current Volunteer/Applicant which took possession

of the Site at that time and which continues occupancy of the Site. The property is currently being used as a Contractor's yard.

Several fires occurred at the Site. A fire in September 1995 resulted in a release of plating solutions (Spill ID #95-07338). The NYSDEC determined that this release affected local soils. According to NYSDEC records, the 1995 incident released an estimated 400 gallons of nickel plating solution to the soils located proximate to the former plating facility's exterior western wall. Cleanup was carried out under the oversight of the NYSDEC. Supplemental testing indicated the absence of nickel and chromium above action levels and the spill was deemed closed. The plating operation was in the process of winding down its business prior to the September 1995 fire. As a result of extensive construction delays, the property was untenantable between 1995 and 1999. In 1999, the building was demolished as a result of extensive fire damage from a subsequent fire.

After the building was demolished the site was put up for sale. In or about 2001, a consultant retained by a potential purchaser conducted Phase I and Phase II Environmental Site Assessments. Subsequently, follow up subsurface testing was also done. Review of the environmental data for the site indicates that on-site soils and shallow groundwater had been impacted by heavy metals (predominantly nickel and chromium). Nickel and chromium were specifically detected in the soils mainly along the western third of the Site, and the soil data generated is extremely consistent with the known former use of the property and the location of the former plating line in the western portion of the property. Concentrations of nickel and chromium were also found in groundwater.

While awaiting acceptance into the BCP, the Participant voluntarily initiated a preliminary groundwater treatment program in 2005 that consisted of the injection of Metal Remediation Compounds (MRCs) designed specifically for the heavy metals in question. The injection locations included the main areas known to coincide with the former plating area. An additional series of MRC injections were conducted at the southwestern corner/perimeter of the subject property as a form of "linear groundwater containment barrier" to reduce concentrations of inorganic compounds in groundwater at the perimeter of the subject property. The MRC injection event was preceded by a baseline round of groundwater sampling performed to provide current data, prior to the injection. Subsequent groundwater monitoring has been performed to provide data on the effectiveness of the

preliminary groundwater treatment. A significant decrease in inorganic concentrations was noted since treatment was initiated.

On January 24, 2006, Preferred Environmental Services removed two 1,000-gallon gasoline underground tanks and one 1,000-gallon fuel oil underground tank from the Site. The tank closure application was successfully accomplished.

1.2.3 Geological Conditions

Nassau County is part of the Coastal Plain physiographic province. The county is characterized by undulating or rolling landscapes in the north and a flat plain with a gently southward tilt in the south. The 48 Sewell Street property lies in the outwash plain south of the confluence of the Harbor Hill and Ronkonkoma moraines and is within the drainage area of the south shore bays of Long Island. The Pleistocene deposits which overly the bedrock in the area are referred to as the Upper Glacial Aquifer. This aquifer is highly prolific and consists of three distinct units. The oldest and deepest unit is a sand and gravel layer associated with the Ronkonkoma ice sheet. After the recession of the ice sheet and during this interstadial period, marine and lacustrine sediments were deposited over the Ronkonkoma deposits, with a clay bed at the base separated from an upper clay bed by a band of silty, sandy beds. Overlying the clay is a terminal moraine and adjacent outwash deposits associated with the Harbor Hill ice sheet.

Direction and rate of groundwater flow are controlled by the rate and distribution of water entering and leaving the aquifer systems, the geography of those systems, and the transmitting and storage properties of those aquifer systems. Based on review of Nassau County Water Table Maps, local groundwater flow direction in the Upper Glacial Aquifer is expected to be to the south (either southwest or southeast). Published literature values for estimated average hydraulic conductivity for the Upper Glacial Aquifer are 270 feet per day horizontal with rates of 27 feet per day for vertical flow. The subject property is located within Hydrogeologic Zone 1: Deep Flow System (Magothy Recharge Area), within the southernmost limits of this zone. Site specific groundwater flow established during prior environmental assessments has been confirmed to be at a depth of 13-15 feet

below grade surface (bgs), to the southwest toward Hempstead Lake Park and then ultimately to the south shore of Long Island.

1.3 DESCRIPTION OF REMEDIAL INVESTIGATION FINDINGS

The SMP and all Site documents, including the Remedial Investigation Report and Remedial Action Work Plan, are maintained by the NYSDEC. At the time of publication, these reports could be found at the Region 1 NYSDEC office in Stony Brook, New York and at the document repository: Hempstead Public Library in Hempstead, New York.

1.3.1 Summary of Remedial Investigation Findings

1.3.1.1 Soil

An October 2000 Phase I Environmental Site Assessment performed by Kosuri Engineering and Consulting, P.C., noted that historical usage of the Site included an electroplating facility as well as a storage garage for buses. These industrial land use applications have created the potential for the presence of metals as well as organic and inorganic constituents in Site soils. Suspected metals contamination is also supported by the prior release of electroplating materials resulting from a fire that occurred on the subject property.

An April 2001 Phase II Environmental Site Assessment (ESA) performed by Kosuri Engineering and Consulting, P.C. indicated that limited, if any, petroleum impacts were present. groundwater, and although several VOCs were present, only one VOC (Toluene at 4,519 ug/kg) was present in any boring locations at a concentration above any regulatory guidance value. Metals (predominantly nickel, iron, manganese, and chromium with lesser presence of copper, mercury, and lead) were noted at five of six on-site soil sampling locations. Nickel and chromium were identified as the fingerprint contaminants of concern and contamination by the two is consistent with NCDH records on plating solutions and operations.

Universal Testing and Inspection Services collected and analyzed five soil samples for 8 RCRA Metals on May 14, 2003 and collected and analyzed three additional soil samples for the same RCRA metals on May 15, 2003. The results of the May 14, 2003 analysis indicated the presence of a number of RCRA Metals in all five soil borings. The metals Barium, Chromium, and Lead were observed in the highest concentrations with lesser concentrations of arsenic, cadmium, and silver. The results of the May 15, 2003 analysis indicated the presence of a number of RCRA Metals in all three soil borings as well. Barium, chromium, and lead were observed in the highest concentrations with lesser concentrations of cadmium.

In November, 2003 Berninger Environmental reported on 16 soil borings performed on October 15 and 16, 2003, and found that only four contained analytes exceeding the NYSDEC RSCOs provided in TAGM 4046 for Metals. This analysis noted a high total nickel concentration of 597 mg/kg compared to a TAGM 4046 RSCO of 13 mg/kg. The two locations containing the highest concentrations of nickel were proximate to suspect Site features such as the former trench drain and a sump pit.

On August 25, 2004 Berninger Environmental reported on the installation of seven soil borings used to collect supplemental soil borings at the Site on July 22, 2004. These seven samples were collected to provide disposal characterization data in support of a future planned remedial measure. They were also collected to further delineate the extent of concentrations of nickel and chromium in Site soils. Samples were analyzed for total nickel and chromium and TCLP nickel and chromium. The results of total analyses were compared to NYSDEC RSCOs provided in TAGM 4046, revised April, 1995. Exceedances of these RSCOs were noted for both total chromium and total nickel at both new and prior sampling locations. A review of the TCLP concentrations for chromium indicated a range of non-detect to a maximum concentration of 0.773 mg/L, with the RCRA characteristic for TCLP chromium being 5.0 mg/L.

In April, 2006 a Berninger Site Investigation and IRM Work Plan was released that called for Supplemental Soil Investigation, Soil Removal (IRM), waste characterization, and groundwater investigation. In 2008, Cifron Environmental Services (CES) replaced Preferred as the environmental consultant for the project. In October, 2009 CES performed additional groundwater

delineation using additional monitoring wells and four Geoprobe points, finding most wells to be affected by both nickel and chromium.

Between November 18 and 19, 2009, Remedial Investigation by Cifron Environmental Services noted high concentrations of targeted metals (Ni and Cd) submitted for TAL metal analysis using EPA method SW846 6010 that were above NYSDEC Restricted Use Commercial Cleanup Objectives (Track 2) in one or more soil borings on-Site. After completion of the excavation of approximately 1,200 tons of contaminated soils, a total of thirty (30) soil end-point samples were collected from the excavation for analysis between November 18 and 27, 2009. The endpoint samples which were collected and tested confirmed the absence of any VOCs, SVOCs, or metals of concerns at concentrations above the Track 2 Commercial Use Soil Cleanup Objectives.

On December 13, 2010, after notification to the NYSDEC, Preferred Environmental Services conducted remediation of a floor drain on Site, removing the drain, and excavating a 16' x 20' x 6 ½' deep area. As per documentation previously provided to the NYSDEC, disposal facility approval for the soils had already been received, as the soils which were removed from the drain were considered to be part of the original waste material characterization profile provided for the Site. The excavated material was disposed of and five endpoint samples were collected and analyzed (4 wall, 1 floor). The results of this endpoint sample analysis confirmed the absence of any of the VOCs, SVOCs, or metal compounds of concern at concentrations elevated above the Track 2 Commercial Use Soil Cleanup Objectives (NYSDEC Table 375-3.8(b) proposed in the approved Brownfield Work Plan for the Site.

From the results of the prior Environmental Site Assessments, groundwater and soil sampling programs, and the previous Remedial Investigations at the Site it can be concluded that the localized contamination by metals in the area of the former plating operations caused by the former plating operations has been ameliorated by the remedial actions.

1.3.1.2 On-Site and Off-Site Groundwater

The April 2001 Phase II ESA performed by Kosuri identified one groundwater sampling location that had several petroleum-related VOCs present above their respective potable groundwater

standards or guidance values. It was concluded that the source of this contamination originated from off-Site. One or more metals (predominantly nickel, iron, manganese, and chromium with lesser presence of elevated copper and selenium) were noted at the groundwater sampling locations. Nickel was not present above the method detection limit (MDL) at either of the two upgradient groundwater samples, indicating no off-Site upgradient sources. The highest nickel concentration (121,000 µg/L) in groundwater was present at the area of the former plating operations. Elevated chromium was also reported at locations downgradient of the former plating operations. Elevated iron was reported at all groundwater sampling locations and therefore the regional geology is likely a contributing factor. A Remedial Investigation by Cifron Environmental Services performed in October 2009 indicated that some on-Site monitoring wells and Geoprobe points showed concentrations of nickel and chromium above NYSDEC Class GA Ambient Water Quality standards. The remaining groundwater monitoring wells installed as a part of the Remedial Investigation were either ND (No Detection) or contained levels of targeted metals equal to or below the aforementioned NYSDEC standards.

In October of 2009, Cifron Environmental Services performed additional groundwater delineation using five additional GW monitoring wells, one replacement well, and four Geoprobe points. In November of 2009, these GW monitoring wells were sampled and the contaminated soils excavated. Nickel and chromium were the metals found to be most prevalent throughout the entire Site as well as at several "hot spots." GW samples from all on-Site monitoring wells and Geoprobe points were collected between October 26 and October 28, 2009. The samples were submitted to a laboratory for TAL analysis using EPA Method 6010B / 7471. The groundwater sampling analytical results based on Class GA Ambient Water Quality standards indicated some on-Site wells and Geoprobe points showed concentration levels of nickel and chromium above the NYSDEC groundwater quality standards.

On May 29 and May 30, 2012, Preferred Environmental Services conducted a groundwater sampling event of all nine monitoring wells. In order to provide a comparative basis for the groundwater samples collected, the 2012 analytical testing data was compared to NYSDEC Groundwater Class GA Potable Ambient Water Quality Standards and Guidance Values (SGVs (NYSDEC TOGS 1.1.1) reissued June 1998, addendums' April 2000 and 2004. The May 29-30, 2012

data was also compared to the April 2005 (baseline) groundwater sampling data and November 2009 (baseline) data.

Preferred's evaluation of the May 29-30, 2012 groundwater data relative to a comparison of changes in concentrations from *Total* to *Dissolved* TAL metal concentrations noted that in the majority, there was only a marginal difference in the analytical testing results for the total versus the dissolved metal concentrations. In all cases, the total concentrations were noted to be slightly higher concentrations, as expected. Therefore, Preferred only used the total TAL metal concentrations for comparison basis, in lieu of dissolved metal concentrations. Furthermore, only Total TAL metals were reported in summary tables comparing prior historic baseline data as all of the historic samples were also total metal samples and not dissolved concentrations. As clearly summarized in Table 3 of Preferred's July 5, 2012 groundwater data submission report, there was a very substantial decrease in concentration of both chromium and nickel noted from 2009 to 2012.

Chromium

Large reductions in chromium concentrations were reported as follows: MW-2 (reduced 45%); MW-4 (reduced 78%); and MW-7 (reduced 88%). Two (2) sampling locations (MW-3 and MW-6) noted a slight increase in chromium concentrations; however, a review of the 2012 chromium concentration at MW-3 notes that this concentration is still 14% less than that reported in 2005; whereas MW-6 did not exist in 2005, so no comparison can be made. Three other wells (MW-5, MW-8, and MW-9) continued to report low and not actionable concentrations of chromium. The concentration of chromium at MW-1 (upgradient well) was noted to slightly increase; however, unknown changes were observed at the casing at this well.

Nickel

Substantial reductions in nickel concentrations were reported as follows: MW-2 (reduced 55%); MW-3 (reduced 30%); MW-4 (reduced 21%); MW-5 (reduced 90%); MW-6 (reduced 43%); MW-7 (reduced 90%); and MW-8 (reduced 27%). Therefore, total nickel concentrations decreased at every sampling location except for MW-1 (upgradient well). One other well (MW-9) continued to

report low and not actionable concentrations of nickel. As discussed above, nickel had also increased at MW-1 (upgradient well); this may be due to changes noted at the Subject Property.

Based upon the sizeable rate of decrease in concentrations of both chromium and nickel between 2009 and 2012 it is evident that the Intermediate Remedial Measures (as defined below) taken at the Site successfully decreased metal contaminant levels. The large scale contaminant removal, along with the natural attenuation and retardation process, has resulted in a successful and measurable remedy.

1.4 DESCRIPTION OF REMEDIAL ACTIONS

The Site was remediated in accordance with the scope of work presented in the NYSDEC-approved Interim Remedial Action Work Plan (RAWP) dated April, 2006 and prepared by Berninger Environmental, Inc.

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved April 2006 and November 2009 Interim Remedial Measures (IRM) for the Former Husslein Plating Corporation and the Former Sempke Bus Garage.

Remedial activities at the Site included the following:

1. Excavation of soil/fill exceeding SCOs;
2. Construction and maintenance of an engineered composite cover consisting of temporary pavement of the yard to prevent human exposure to residual contaminated soil/fill remaining under the Site;
3. Recording of an Environmental Easement to prevent future exposure to any residual contamination remaining at the Site (a copy of the Environmental Easement is provided in Appendix C);
4. A Site Management Plan for long term management of residual contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting;

5. Screening for indications of contamination (by visual means, odor, and monitoring with PID) of all excavated soil during all intrusive site work;
6. Collection and analysis of end-point samples to evaluate the performance of the remedy with respect to attaining SCOs;
7. Appropriate off-Site disposal of all material removed from the Site in accordance with all Federal, State and local rules and regulations for handling, transport, and disposal;
8. Import of materials to be used for backfill and cover in compliance with: (1) chemical limits and other specifications, and, (2) compliance with all Federal, State and local rules and regulations in handling and transport of material;
9. All responsibilities associated with the Remedial Action, including permitting requirements and pretreatment requirements, addressed in accordance with all applicable Federal, State and local rules and regulations.

1.4.1 MRC Injection

This Interim Remedial Measure (IRM) was implemented during April - May 2005 and included injection of MRC (Metal Reducing Compounds) into both the interior source area on-Site and along the downgradient property perimeter to create a groundwater contaminant-reduction flow-barrier. In addition, a low permeability sealing material (cement) was installed in areas of open penetrations (the former trench drain and former floor drain) within the concrete foundation at the western portion of the property in order to limit rainfall infiltration within these areas.

A 1,500 pound application of MRC was allocated based upon Site specific conditions and amount of area requiring treatment in coordination with Regenesis, the manufacturer. The MRC was heated to provide the correct viscosity for injection and was injected using a high pressure Geoprobe pump into the upper portion of groundwater underlying the Site. The Geoprobe injection rods were installed to a depth of approximately 10 to 20 feet bgs and, in this manner, and the MRC was injected throughout the upper aquifer.

An interior source area along a former trench drain associated with previous plating operations at the western quadrant of the property was also treated with MRC. The groundwater

contaminant-reduction flow-barrier was created by injecting the MRC in a closely-spaced linear pattern along the southern 60 feet and the western 50 feet of the Site. Approximately 1,100 pounds of MRC was injected via Geoprobe at 14 different locations during this portion of the IRM.

Subsequent to the MRC injections, groundwater was monitored on a quarterly basis through 2006. Significant reductions in chromium and nickel were reported.

1.4.2 Interior Floor Drain Remediation

Removal of the interior floor drain at the Site represents completion of Task 1 of the NYSDEC Brownfield Cleanup Program (BCP) requirements established for the Site. A former floor drain in the concrete floor slab was identified inside a former building structure that occupied the majority of the site footprint at the subject property. Prior historic sampling interior to this drain reported the presence of regulated compounds in the bottom sediments.

On December 13, 2010, after notification to the NYSDEC, remediation of the former drain via excavation was initiated by Preferred Environmental Services. The drain itself was physically removed and was determined to be a plastic drum, intact, with a solid bottom. The soil excavation proceeded until an overall excavation area approximately 16 feet wide and 20 feet long by approximately 6.5 feet deep bgs was created.

The removal and excavation of impacted soils within and exterior to the former interior floor drain was completed on December 13, 2010. Three soil loads resulted in a total tonnage of 100.95 tons transported to the Soil Safe Facility in New Jersey for disposal/treatment or recycling. No waste liquids were generated during this remedial action.

1.4.3 Removal of Contaminated Materials from the Site

The excavation of contaminated soil (as delineated in the April, 2006 RAWP) proceeded from November 16 to November 18, 2009. The excavation was completed using a backhoe/excavator to

an approximate depth of 12 to 15 feet bgs. During the excavation, efforts were made to excavate all visibly stained areas within the excavation.

All excavated soils (1,149.12 tons of contaminated soils) were trucked off-Site and disposed of at a licensed disposal facility (Logan Township). The disposal manifests generated at the Site during the loading and trucking of the contaminated soils and Site photographs taken during the excavation were presented in the original reports. The excavation was backfilled using clean soil meeting the requirements of 6NYCRR Part 375-6.7(d).

1.4.4 End-Point Sampling Results

At the completion of the soil removal excavation, a total of 20 soil end-point samples were collected from the excavation for analysis. The soil samples were collected from approximately six inches below the bottom of the excavation using a manually operated hand auger. The twenty end-point soil samples were collected between November 18 and 19, 2009, and were submitted to a certified laboratory for TAL metal analysis using EPA method SW846 6010.

A review of the final end-point sample analytical results showed only residual contamination of targeted metals (Ni and Cd) below the Commercial Use SCOs.

1.4.5 On-Site and Off-Site Treatment Systems

No on-Site or off-Site treatment systems have been or will be used.

1.4.6 Residual Contamination

Residual contamination refers to all contaminated soil and structures left on-Site after the remedy is complete. Champ Construction Corp. contracted Galli Engineering, P.C. to sample test

pits at the Site in order to determine whether the imported fill material can be considered clean by NYSDEC TCL VOCs by ASP Method OLMO4.2, TCL Base/Neutral/Acid Organic Compounds (BNAs) by ASP Method OLMO4.2, and TAL Metals by ASP Method ILMO4.1. The on-Site soils within the limits of the excavation were sampled by Taylor McGrath and Matthew Galli of Galli Engineering, P.C. on September 24, 2013. A total of nine grab samples were collected and analyzed from nine separate test pit locations from a depth of 2 feet below ground surface (bgs). The results of the analysis performed by Phoenix Environmental Laboratories are excerpted from their report as follows:

Residual Metals Contamination

Metals contamination by NYSDEC TAL Metals by ASP Method ILMO4.1 was detected in all nine soil borings, FM-1 through FM-9. Of all nine of these borings, chromium was detected above reporting limits in all nine borings at a maximum concentration of 14.3 mg/kg in boring location FM-9. No result for chromium exceeded the NY Unrestricted Soil Cleanup Objective. Lead contamination was detected above the NY Unrestricted Soil Cleanup Objective in borings FM-2, FM-5, FM-6, and FM-7, with a maximum concentration of 197 mg/kg in boring location FM-2. No lead result exceeded the NY Restricted Residential Soil Cleanup Objective. Along with chromium contamination, boring location FM-9 also contained contamination by nickel and zinc, with a maximum nickel concentration of 30.2 mg/kg and a maximum zinc concentration of 158 mg/kg.

Residual Volatile Organic Compounds (VOCs) Contamination

Contamination by VOCs above NYSDEC TCL VOCs by ASP Method OLMO4.2 was only detected in one out of nine total sampling locations. No VOCs associated with industrial use or operations were detected. Methylene chloride was the only VOC detected and was barely above the NY Unrestricted reporting limit in sampling location FM-1. Methylene chloride is a commonly used laboratory chemical that often contaminates samples. Thus, methylene chloride is not believed to be associated with any historical Site operations.

Residual Semi-volatile Organic Compounds (SVOCs) Contamination

No contamination by SVOCs above NYSDEC TCL Base/Neutral/Acid Organic Compounds (BNA's) by ASP Method OLMO4.2 was detected at any of the nine sampling locations.

2.0 ENGINEERING AND INSTITUTIONAL CONTROL PLAN

2.1 INTRODUCTION

Since residual contamination beyond Track 1 Unrestricted Use thresholds will remain present at this Site, Engineering Controls and Institutional Controls will be implemented to protect public health and the environment in the future. The Controlled Property has one primary engineering control consisting of 100% concrete building slabs (upon which a solid waste transfer station is proposed).

A series of Institutional Controls are required to implement, maintain and monitor these Engineering Controls. The Environmental Easement requires compliance with these Institutional Controls. These Institutional Controls consist of the following:

- All Engineering Controls must be operated and maintained as specified in this SMP;
- All Engineering Controls on the Controlled Property (the Site) must be inspected and certified at a frequency and in a manner defined in this SMP;
- Groundwater monitoring must be performed as defined in this SMP;
- Data and information pertinent to Site Management for the Controlled Property must be reported at the frequency and in a manner defined in this SMP;
- On-Site environmental monitoring devices, including but not limited to, groundwater monitoring wells, must be protected and replaced as necessary to ensure continued functioning in the manner specified in this SMP.

The Controlled Property has a series of Institutional Controls in the form of Site restrictions. Adherence to these Institutional Controls is required under the Environmental Easement. Site restrictions that apply to the Controlled Property are:

- Vegetable gardens and farming on the Controlled Property are prohibited;

- Use of groundwater underlying the Controlled Property is prohibited without treatment rendering it safe for the intended use;
- All future activities on the Controlled Property that will disturb residual contaminated material are prohibited unless they are conducted in accordance with the soil management provisions in this SMP;
- The Controlled Property may be used for Industrial use only provided the long-term Engineering and Institutional Controls included in the SMP remain in use.

These EC/ICs should:

- Prevent ingestion of groundwater with contamination levels that exceed drinking water standards;
- Prevent the discharge of contaminants to surface water;
- Promote the natural attenuation of residual contamination;
- Prevent ingestion/direct contact with contaminated soil;
- Prevent inhalation of or exposure to contaminants volatilizing from contaminated soil; and
- Prevent migration of contaminants that would result in off-Site groundwater or surface water contamination.

2.1.1 General

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved RAWP for Former Husslein Plating Corporation and Former Sempke Bus Garage (Berninger Environmental, Inc., April, 2006). The remedial goals included attainment of Track 2 Soil Cleanup Objectives (SCOs) for on-Site soils for Industrial use.

2.1.2 Purpose

The purpose of this Plan is to provide:

- A description of all EC/ICs on the Site;
- The basic operation and intended role of each implemented EC/IC;

- A description of the key components of the ICs created as stated in the Environmental Easement;
- A description of the features that should be evaluated during each annual inspection and compliance certification period;
- A description of plans and procedures to be followed for implementation of EC/ICs, such as the implementation of the Soil Management Plan for the safe handling of residual contamination that may be disturbed during maintenance or redevelopment work on the Site; and
- Any other provisions necessary to identify or establish methods for implementing the EC/ICs required by the Site remedy, as determined by the NYSDEC.

2.2 ENGINEERING CONTROL COMPONENTS

2.2.1 Engineering Control Systems

2.2.1.1 Concrete Cap

Exposure to residual contaminated soil/fill is prevented by an engineered concrete cap built on-Site. This cover system is comprised of a solid concrete floor pad over 100% of the property (the Site). Additionally, concrete covered sidewalks surround the Site on three sides. Appendix H shows the NYSDEC-approved design for the building slab.

It is proposed to construct a building on the slab floor and to permit and operate a solid waste management facility (transfer station) therein. The building is not a component of the Engineering Control, which refers only to the concrete slab. With or without the building construction, the concrete slab will serve to prevent access to, and disturbance of, the underlying soils, and to prevent infiltration of storm water into the underlying soils.

Procedures for operating and maintaining the concrete cap are documented in the Operation and Maintenance Plan (Section 4 of this SMP). Procedures for monitoring the system are included

in the Monitoring Plan (Section 3 of this SMP). The Monitoring Plan also addresses severe condition inspections in the event that a severe condition, which may affect controls at the Site, has occurred.

2.2.2 Criteria for Completion of Remediation/Termination of Remedial Systems

2.2.2.1 Concrete Cap

The concrete cap is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

2.2.2.2 Monitored Natural Attenuation

Groundwater monitoring activities to assess natural attenuation will continue, as determined by NYSDOH and NYSDEC, until residual groundwater concentrations are found to be below NYSDEC standards or have become asymptotic over an extended period. Monitoring will continue until permission to discontinue is granted in writing by NYSDEC and NYSDOH. Monitoring activities are outlined in the Monitoring Plan of the SMP.

2.3 INSTITUTIONAL CONTROLS COMPONENTS

2.3.1 Institutional Controls

A series of Institutional Controls are required to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to residual contamination by controlling disturbances of the subsurface contamination; and, (3) restrict the use of the Site to Industrial (Track 2) uses only. Adherence to these Institutional Controls on the Site (Controlled Property) is required under the Environmental Easement and will be implemented under this Site Management Plan. These Institutional Controls are:

- Compliance with the Environmental Easement by the Grantor and the Grantor's successors and assigns with all elements of this SMP;
- All Engineering Controls must be operated and maintained as specified in this SMP;

- A cover system consisting of a solid concrete building slab must be inspected, certified and maintained as required in this SMP;
- Groundwater monitoring must be performed as defined in this SMP;
- Data and information pertinent to Site Management for the Controlled Property must be reported at the frequency and in a manner defined in this SMP;
- On-Site environmental monitoring devices, including groundwater monitor wells, must be protected and replaced as necessary to ensure they are functioning in the manner specified in this SMP.
- Engineering Controls may not be discontinued without an amendment or the extinguishment of this Environmental Easement.

The Site Controlled Property has a series of Institutional Controls in the form of Site restrictions. Adherence to these Institutional Controls is required by the Environmental Easement. Site restrictions that apply to the Controlled Property include:

- Vegetable gardens and farming on the Controlled Property are prohibited;
- The use of the groundwater underlying the Controlled Property is prohibited without treatment rendering it safe for intended purpose;
- All future activities on the Controlled Property that will disturb residual contaminated material are prohibited unless they are conducted in accordance with the soil management provisions in this SMP;
- The Controlled Property may be used for industrial use only, provided that the long-term Engineering and Institutional Controls included in this SMP are employed.
- The Controlled Property may not be used for a higher level of use (such as unrestricted residential), without an amendment or the extinguishment of this Environmental Easement.
- Grantor agrees to submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the

continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow. This annual statement must be certified by an expert that the NYSDEC finds acceptable.

2.3.2 Soil/Materials Management Plan

This section describes procedures to ensure that soil or materials generated on, or brought onto, the Site as part of any potential future post-remedial activities are properly managed. The Site has been fully remediated for industrial use. Any future intrusive work that will disturb the residual contamination and modifications or repairs to the existing composite cover system will be performed in compliance with this Soil Management Plan (SoMP). Intrusive construction work must also be conducted in accordance with the procedures defined in a Health and Safety Plan (HASP) and Community Air Monitoring Plan (CAMP) prepared for the Site. The Soil Management Plan is presented in this section and the CAMP is presented in Appendix I of this SMP. The HASP is the responsibility of the property owner and should be in compliance with DER-10 Technical Guide and 29 CFR 1910 and 1926, and all other applicable Federal, State and local regulations. Any intrusive construction work must be certified as compliant with the SMP and included in the periodic inspection and certification reports submitted under the Site Management Reporting Plan (See Section 5).

2.3.2.1 Soil Screening Methods

Metals, being the contaminants of concern, will be screened in any materials considered to be brought onto the Site by requiring representative laboratory analysis for TCL Metals at a rate as presented in DER-10, Table 5.4(e)10, composite samples for inorganics. Analytical results will be reviewed by the Engineer of Record for approval prior to bringing material to the Site.

Soils potentially considered for removal from the Site will be analyzed at the same frequency and will also be analyzed for waste characterization purposes, as may be required by the disposal facilities being considered.

All soil screening and assessment will be performed by a qualified environmental professional during all development excavations into known or potentially contaminated material (the Residual Contamination Zone). Soil screening will be performed regardless of when the invasive work is done and will include all excavation and invasive work performed during development, such as excavations for foundations and utility work, after issuance of the COC.

Screening will be performed by qualified environmental professionals. Resumes will be provided in the Annual Site Management Report for all personnel conducting invasive work field screening (i.e. those representing the Remedial Engineer) for unknown contaminant sources during remediation and development work. Analysis must be performed by a Field Analyst with minimum qualifications including completion of a certification course or training by an experienced analyst who has demonstrated proficiency in the method or demonstration of the analyst's proficiency by correlation of the analyst's results with the laboratory confirmation analysis.

Field screening methods (such as immunoassay, x-ray fluorescence, and mobile laboratories) are limited as follows, and field screening methods for all sampling matrices (soil, water, air, interior surfaces) can only be used under the following conditions:

- For contaminant delineation if contaminant identity is known or if there is reasonable certainty that a specific contaminant may be present; or to bias sample location to the location of greatest suspected contamination. Field screening methods should not be used to verify contaminant identity or clean zones unless there has been a correlation study approved in advance by the DER for the specific site where screening methods are proposed for verification.

- Where field screening is used, a standard operating procedure must exist or be developed which includes: (1) a detailed step by step procedure for the analysis method, (2) duplicate analysis of a minimum of 10% of the samples, (3) quality assurance procedures (calibration standards, blanks, etc.) as specified by the method, (4) laboratory confirmation on a minimum of 10% of the samples by a standard ASP method and no bias in the selection of duplicate or

laboratory confirmation samples. Laboratory confirmation occurs if the correlation between field screening and laboratory results are within ±30%.

- Other field screening methods may be acceptable, subject to the DER's review of documentation.

2.3.2.2 Stockpile Methods

Stockpiles will be inspected at a minimum once each week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by NYSDEC. Stockpiles will be kept covered at all times with appropriately anchored tarps. Stockpiles will be routinely inspected and damaged tarp covers will be promptly replaced. Soil stockpiles will be continuously encircled with silt fences. Hay bales will be used as needed near catch basins, surface waters and other discharge points. A dedicated water truck equipped with a water cannon will be available on-Site for dust control.

2.3.2.3 Materials Excavation and Load Out

The Remediation Engineer or a qualified environmental professional under his/her supervision will oversee all invasive work and the excavation and load-out of all excavated material. The owner of the Controlled Property and its contractors are solely responsible for safe execution of all invasive and other work performed under this Plan. The presence of utilities and easements on the Site will be investigated by the Remedial Engineer. It will be determined whether a risk or impediment to the planned work under this SMP is posed by utilities or easements on the Site.

Loaded vehicles leaving the Site will be appropriately lined, tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and NYSDOT requirements (and all other applicable transportation requirements). A truck wash will be operated on-Site. The Remediation Engineer will be responsible for ensuring that all outbound trucks will be washed at the truck wash before leaving the Site until the remedial construction is complete. Locations where vehicles enter or exit the Site shall be inspected daily for evidence of off-Site sediment tracking. The Remedial Engineer will be responsible for ensuring that all egress points for

truck and equipment transport from the Site will be clean of dirt and other materials derived from the Site during Site remediation and development. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials.

2.3.2.4 Materials Transport Off-Site

All transport of materials will be performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364. Haulers will be appropriately licensed and trucks properly placarded.

Truck transport routes will be DOT approved. All trucks loaded with Site materials will exit the vicinity of the Site using only these approved truck routes. Trucks will be prohibited from stopping and idling in the neighborhood outside the project Site. Egress points for truck and equipment transport from the Site will be kept clean of dirt and other materials during Site remediation and development. Queuing of trucks will be performed on-Site to the extent possible to minimize off-Site disturbance. Off-Site queuing will be held to a minimum.

Material transported by trucks exiting the Site will be secured with tight-fitting covers. Loose-fitting canvas-type truck covers will be prohibited. If loads contain wet material capable of producing free liquid, truck liners will be used. All trucks will be washed prior to leaving the Site. Truck wash waters will be collected and disposed of off-Site in an appropriate manner.

2.3.2.5 Materials Disposal Off-Site

The disposal locations will be identified and reported to NYSDEC in the Annual Site Management Report. All soil/fill/solid waste excavated and removed from the Site will be treated as contaminated and regulated material and will be disposed in accordance with all local, State (including 6NYCRR Part 360) and Federal regulations. If disposal of soil/fill from this Site is proposed for unregulated disposal (i.e. clean soil removed for development purposes), a formal

request with an associated plan will be made to NYSDEC's Project Manager. Unregulated off-Site management of materials from this Site is prohibited without formal NYSDEC approval.

Material that does not meet Track 1 unrestricted SCOs is prohibited from being taken to a New York State recycling facility (6NYCRR Part 360-16 Registration Facility). The following documentation will be obtained and reported by the Remedial Engineer for each disposal location used in this project to fully demonstrate and document that the disposal of material derived from the Site conforms with all applicable laws: (1) a letter from the Remedial Engineer or BCP Applicant to the receiving facility describing the material to be disposed and requesting formal written acceptance of the material. This letter will state that material to be disposed is contaminated material generated at an environmental remediation site in New York State. The letter will provide the project identity and the name and phone number of the Remedial Engineer. The letter will include as an attachment a summary of all chemical data for the material being transported; and (2) a letter from all receiving facilities stating it is in receipt of the correspondence (above) and is approved to accept the material.

Non-hazardous historic fill and contaminated soils taken off-Site will be handled, at minimum, as a Municipal Solid Waste per 6NYCRR Part 360-1.2.

Historical fill and contaminated soils from the Site are prohibited from being disposed at Part 360-16 Registration Facilities (also known as Soil Recycling Facilities).

Soils that are contaminated but non-hazardous and are being removed from the Site are considered by the Division of Solid & Hazardous Materials (DSHM) in NYSDEC to be Construction and Demolition (C/D) materials with contamination not typical of virgin soils. These soils may be sent to a permitted Part 360 landfill. They may be sent to a permitted C/D processing facility without permit modifications only upon prior notification of NYSDEC Region 1 DSHM. This material is prohibited from being sent or redirected to a Part 360-16 Registration Facility. In this case, as dictated by DSHM, special procedures will include, at a minimum, a letter to the C/D facility that provides a detailed explanation that the material is derived from a DER remediation Site and that the soil material is contaminated and must not be redirected to on- Site or off- Site Soil Recycling Facilities. The letter will provide the project identity and the name and phone number of the

Remedial Engineer. The letter will include as an attachment a summary of all chemical data for the material being transported.

The Annual Site Management Report will include an accounting of the destination of all material removed from the Site during work performed under this plan, including excavated soil, contaminated soil, historic fill, solid waste, hazardous waste, non-regulated material, and fluids. Documentation associated with disposal of all material must also include records and approvals for receipt of the material. This information will also be presented in a tabular form in the Annual Site Management Report.

A Bill of Lading system or equivalent will be used for off-Site movement of non-hazardous wastes and contaminated soils. This information will be reported in the Annual Site Management Report. Hazardous wastes derived from on-Site will be stored, transported, and disposed of in full compliance with applicable local, State, and Federal regulations.

Appropriately licensed haulers will be used for material removed from this Site and will be in full compliance with all applicable local, State and Federal regulations. Waste characterization will be performed for off-Site disposal in a manner suitable to the receiving facility and in conformance with applicable permits. Sampling and analytical methods, sampling frequency, analytical results, and QA/QC will be reported in the FER. All data available for soil/material to be disposed at a given facility must be submitted to the disposal facility with suitable explanation prior to shipment and receipt.

2.3.2.6 Materials Reuse On-Site

'Reuse on-Site' means reuse on-Site of material that is originally derived from the Site and which does not leave the Site.

DEC will consider the use of specially designed devices that are self-contained and capable of providing misting for dust control. DEC approval must be obtained. If dust-free operations are not achieved with such devices, this exception will be revoked.

Organic matter (wood, roots, stumps, etc.) or other solid waste derived from clearing and grubbing of the Site is prohibited for reuse on-Site. Contaminated on-Site material, including historic fill and contaminated soil, removed for grading or other purposes will not be reused within a cover soil layer, within landscaping berms, or as backfill for subsurface utility lines.

2.3.2.7 Fluids Management

All liquids to be removed from the Site, including dewatering fluids, will be handled, transported and disposed in accordance with applicable local, State, and Federal regulations.

Dewatered fluids will not be recharged back to the land surface or subsurface of the Site. Dewatering fluids will be managed off-Site. Discharge of water generated during remedial construction to surface waters (i.e. a local pond, stream or river) is prohibited without a SPDES permit.

2.3.2.8 Backfill from Off-Site Sources

All materials proposed for import onto the Site will be approved by the Remedial Engineer and will be in compliance with provisions in this SMP prior to receipt at the Site. Material from industrial sites, spill sites, or other environmental remediation sites or potentially contaminated sites will not be imported to the Site. All imported soils will meet NYSDEC approved backfill or cover soil quality objectives for this Site. These NYSDEC approved backfill or cover soil quality objectives are listed in Table 375-6.8(b). Non-compliant soils will not be imported onto the Site without prior approval by NYSDEC. Nothing in the approved SMP or its approval by NYSDEC should be construed as an approval for this purpose.

Soils that meet 'exempt' fill requirements under 6 NYCRR Part 360, but do not meet backfill or cover soil objectives for this Site, will not be imported onto the Site without prior approval by NYSDEC. Nothing in this SMP should be construed as an approval for this purpose.

Solid waste will not be imported onto the Site. Trucks entering the Site with imported soils will be securely covered with tight fitting covers.

2.3.2.9 Stormwater Pollution Prevention

Barriers and hay bale checks will be installed and inspected once a week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by NYSDEC. All necessary repairs shall be made immediately.

Accumulated sediments will be removed as required to keep the barrier and hay bale check functional. All undercutting or erosion of the silt fence toe anchor shall be repaired immediately with appropriate backfill materials. Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

Erosion and sediment control measures identified in the SMP shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters

Silt fencing or hay bales will be installed around the entire perimeter of the construction area.

2.3.2.11 Contingency Plan

If underground tanks or other previously unidentified contaminant sources are found during on-Site remedial excavation or development related construction, sampling will be performed on product, sediment and surrounding soils, etc. Chemical analytical work will be for full scan

parameters (TAL metals; TCL volatiles and semi-volatiles, TCL pesticides and PCBs). These analyses will not be limited to STARS parameters where tanks are identified without prior approval by NYSDEC. Analyses will not be otherwise limited without NYSDEC approval.

Identification of unknown or unexpected contaminated media identified by screening during invasive Site work will be promptly communicated by phone to NYSDEC's Project Manager. These findings will be also included in daily and periodic electronic media reports.

2.3.2.12 Community Air Monitoring Plan

Continuous Monitoring

Continuous monitoring or monitoring in a manner acceptable to the NYSDEC will be performed for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground inclusive activities include, but are not limited to, soil and waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic Monitoring

Periodic monitoring for VOCs will be required during all non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells.

VOC Monitoring, Response Levels, and Actions

Volatile Organic Compounds (VOCs) will be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a periodic basis or in a manner acceptable to the NYSDEC. Upwind concentrations were measured at the start of each workday and periodically thereafter to establish background conditions. The equipment will be calibrated at least daily and should be capable of calculating 15-minute running average concentrations, which will be compared to the specific levels below.

- If the ambient air concentrations of total organic vapors at the downwind parameter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background and less than 25 ppm, work activities will be halted, the source of the vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shut down.

All 15-minute readings will be recorded and be available for state (DEC and DOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations will be monitored in a manner acceptable to the NYSDEC at temporary particulate monitoring stations at the downwind perimeter of the immediate work area (i.e., the exclusion zone) or as otherwise specified. Upwind concentrations will be measured at the start of each work day and periodically thereafter to establish background conditions. The particulate monitoring should be performed using real-time monitoring equipment capable of monitoring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. In addition, fugitive dust migration should be visually assessed during all work actvities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind parameter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work will be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

- All readings will be recorded and be available for State (DEC and DOH) personnel to review

Exceedances observed in the CAMP will be reported to NYSDEC and NYSDOH Project Managers.

2.3.2.13 Odor, Dust and Nuisance Control Plan

Odor Control Plan

This odor control plan is capable of controlling emissions of nuisance odors off-Site. Specific odor control methods to be used will be determined after assessing odor problems, should they occur. If nuisance odors are identified, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. NYSDEC and NYSDOH will be notified of all odor events and of all other complaints about the project. Implementation of all odor controls, including the halt of work, will be the responsibility of the Controlled Property owner's Remediation Engineer, who is responsible for certifying the Annual Site Management Report.

All necessary means will be employed to prevent on- and off-Site nuisances. At a minimum, procedures will include: (a) limiting the area of open excavations; (b) shrouding open excavations

with tarps and other covers; and (c) using foams to cover exposed odorous soils. If odors develop and cannot be otherwise controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-Site disposal; (e) use of chemical odorants in spray or misting systems; and, (f) use of staff to monitor odors in surrounding neighborhoods.

Where odor nuisances have developed during remedial work and cannot be corrected, or where the release of nuisance odors cannot otherwise be avoided due to on-Site conditions or close proximity to sensitive receptors, odor control will be achieved by sheltering excavation and handling areas under tented containment structures equipped with appropriate air venting/filtering systems.

Dust Control Plan

A dust suppression plan that addresses dust management during invasive on-Site work will include, at a minimum, the items listed below:

- Dust suppression will be achieved though the use of a dedicated on-Site water truck for road wetting. The truck will be equipped with a water cannon capable of spraying water directly onto off-road areas including excavations and stockpiles.
- Clearing and grubbing of larger sites will be done in stages to limit the area of exposed, unvegetated soils vulnerable to dust production.
- Gravel will be used on roadways to provide a clean and dust-free road surface.
- On-Site roads will be limited in total area to minimize the area required for water truck sprinkling.

2.4 INSPECTIONS AND NOTIFICATIONS

2.4.1 Inspections

Inspections of all systems installed on-Site will be conducted at the frequency specified in SMP Monitoring Plan schedule. A comprehensive Site-wide inspection will be conducted annually. The inspections will determine and document the following:

- Whether Engineering Controls continue to perform as designed;
- If these controls continue to be protective of human health and the environment;
- Compliance with requirements of this SMP and the Environmental Easement;
- Achievement of remedial performance criteria;
- Sampling and analysis of appropriate media during monitoring events;
- If Site records are complete and up to date; and
- Changes, or needed changes, to the remedial or monitoring system;

Inspections will be conducted in accordance with the procedures set forth in the Monitoring Plan of this SMP (Section 3). The reporting requirements are outlined in the Site Management Reporting Plan (Section 5).

If an emergency, such as a natural disaster or an unforeseen failure of any of the ECs occurs, an inspection of the Site will be conducted to verify the effectiveness of the EC/ICs implemented at the Site by a qualified environmental professional as determined by NYSDEC.

2.4.2 Notifications

2.4.2.1 NYSDEC-acceptable Electronic Database

The following information may be presented to the NYSDEC in an electronic database format:

- A Site summary;
- The name of the current Site owner and/or the remedial party implementing the SMP for the Site;
- The location of the Site;
- The current status of Site remedial activity;
- A copy of the Environmental Easement; and
- A contact name and phone number of a person knowledgeable about the Environmental Easement's requirements, in order for NYSDEC to obtain additional information, as necessary.

This information should be: 1) modified as conditions change; and (2) submitted to NYSDEC in the annual Site Monitoring Report. Should the Environmental Easement be modified or terminated, the copy of the revised Environmental Easement will also be updated in this manner.

2.4.2.2 Non-Routine Notifications

Non-routine notifications are to be submitted by the property owner(s) to the NYSDEC on an as-needed basis for the following reasons:

- 60-day advance notice of any proposed changes in Site use that are consistent with the terms of the Brownfield Cleanup Agreement.
- 10-day advance notice of any proposed ground-intrusive activities.
- Notice within 48-hours of any damage or defect to the foundations structures that reduces or has the potential to reduce the effectiveness of other Engineering Controls and likewise any action taken to mitigate the damage or defect.
- Notice within 48-hours of any emergency, such as a fire, flood, or earthquake that reduces or has the potential to reduce the effectiveness of Engineering Controls in place at the Site, including a summary of action taken and the impact to the environment and the public.
- Follow-up status reports on actions taken to respond to any emergency event requiring ongoing responsive action shall be submitted to the NYSDEC within 45 days and shall describe and document actions taken to restore the effectiveness of the ECs.

3.0 MONITORING PLAN

3.1 INTRODUCTION

3.1.1 General

This Monitoring Plan describes the measures for evaluating the performance and effectiveness of the implemented EC in reducing or mitigating contamination at the Site. The EC at

the Site is comprised of the 100% concrete cap. This Monitoring Plan is subject to revision by NYSDEC.

3.1.2 Purpose

This Monitoring Plan describes the methods to be used for:

- Sampling and analysis of appropriate media (e.g., groundwater)
- Evaluating Site information periodically to confirm that the remedy continues to be effective as per the design; and
- Preparing the necessary reports for the various monitoring activities.
- Assessing compliance with NYSDEC groundwater standards.
- Assessing achievement of the remedial performance criteria.

3.2 ENGINEERING CONTROL SYSTEM MONITORING

3.2.1 Concrete Cap

Effectiveness of the concrete cap will be measured through a program of groundwater monitoring, as outlined in Section 3.3 through 3.7.

3.3 GROUNDWATER MONITORING PROGRAM

Groundwater monitoring will be performed on an annual basis to assess the performance of the remedy. Should groundwater analytical data or other conditions at the site warrant, additional groundwater monitoring wells will be installed as detailed below.

3.3.1 Monitoring System Design

A network of monitoring wells will be designed to monitor both up-gradient and down-gradient groundwater conditions at the Site. The network of on-Site and off-Site wells will be located based on the following criteria:

- Site geography and arrangement
- Historical "hot spots"
- Anticipated groundwater flow direction

Methods of well construction will also be discussed as part of the system design.

3.3.2 Groundwater Monitoring Well Construction

To better define potentiometric relationships in the vicinity of the site and evaluate the extent of groundwater contamination over time, the existing monitoring wells will be sampled annually. Locations for these wells are shown on the Monitoring Well Location Plan. Monitoring wells are constructed of 2" diameter Schedule 40 PVC; Well screens 10 feet long, with 20 mil slots and set to intersect the water table. Well depths are 5 – 10 feet below the water table, which results in well depths of approximately 20 to 25 feet below grade.. The final depth of wells will be based on in-field conditions observed and the actual depth to the groundwater table for proper well installation. The wells will be completed with 2" diameter Schedule 40 PVC riser. Each boring will be backfilled with #2 sand to a depth at least one foot above the screen. A one-foot Bentonite seal will be placed above the sand. Monitoring wells will be completed with well cap locks and flush mount protective manholes. No solvents or glues will be used in the installation of the monitoring wells.

3.3.2.1 Well Development

After installation, wells will be developed by pumping and surging until the water turbidity is less than 50 NTU. An experienced geologist from Galli Engineering, P.C., (Galli) will be present

to monitor all field activities. Drilling logs and well construction logs will be prepared for all borings and wells.

A minimum of one week after development of the wells, Galli Engineering will collect groundwater samples from the newly installed groundwater monitoring wells.

3.3.2.2 Water Level Monitoring

All new monitoring wells will be surveyed by a New York State licensed surveyor to establish horizontal location and elevation of the water level measuring points. Elevation measurements will be taken on the riser pipe with the measuring point designated by a chisel mark. All elevations will be referenced to the Queens datum. All wells will be located horizontally to within plus or minus 0.5 feet. Vertical elevations of measuring points will be made to the nearest 0.01 foot.

Each monitoring well will be gauged for depth to product/water and purged until the water quality parameters stabilize, prior to sampling. An electric water level indicator graduated in 0.01-foot increments will be used.

3.3.3 Groundwater Sampling

Prior to sampling, depth to bottom and depth to water measurements will be collected from each well. Water level measurements will be obtained with an electronic water level probe relative to a marked measuring point. Wells will be purged and sampled using a submersible pump, peristaltic pump, dedicated disposable high-density polyethylene bailer, or oscillating tubing fitted with check valves using low-flow purge and sample collection procedures.

During each sampling event, field readings will be collected for pH, temperature and conductivity initially and for every two minutes during development until parameters stabilize. The groundwater samples will be collected utilizing a decontaminated submersible pump, peristaltic pump, or oscillating tubing fitted with a check valves. The groundwater will then be extracted until 3 to 5 times the approximate volume in the has been purged. Groundwater sampling purging will be continued until turbidity measures less than 50 NTUs prior to sampling (less than 10 NTUs will be attempted to be used as a criteria). If this turbidity criteria cannot be achieved, then filtered and unfiltered samples will be collected for analysis for comparison.

The retrieved samples will be placed in new laboratory-supplied un-preserved 500 ml to 1 Liter plastic containers. The samples will be stored in a cooler containing ice to maintain a temperature of 4°C and delivered under strict chain-of-custody to a NYSDOH ELAP-certified laboratory providing Category ASP-B deliverables. Purged development water will be contained in DOT approved 55 gallon drum, if required. Upon completion of the project, a liquid sample from the drum(s) will be analyzed for disposal characterization by an NYSDOH ELAP-certified laboratory. If not required, same will be disposed at the wellhead.

The equipment will be decontaminated before each sample collection following NYSDEC Sampling Guidelines & Protocols, 1991. The cleaning procedure will include the use of a standard laboratory grade phosphate-free detergent (Alconox) followed by a municipal-supplied potable water rinse.

To ensure quality control to conform with an NYSDEC ASP-B deliverable package, one trip blank with organic-free water will be maintained per sampling day and one (1) field blank per twenty (20) groundwater samples by rinsing the field equipment with organic-free water and submitting the rinse water in standard sample containers to a certified laboratory for TAL total metal analysis by EPA Method Series 6010/7471. One Matrix Spike/Matrix Spike Duplicate (MS/MSD) sample will be collected per twenty groundwater samples and submitted with the rest of the samples to a certified laboratory for the same analysis.

3.3.4 Monitoring Schedule

Monitoring wells will be sampled upon submission and approval of the Final Engineering Report, and annually thereafter. The sampling frequency may be modified by NYSDEC. The SMP will be modified to reflect changes in sampling plans approved by NYSDEC. Deliverables for the groundwater-monitoring program are specified below.

3.3.5 Sampling Event Protocol

All well sampling activities will be recorded in a dedicated field log book. Well sampling logs will also be maintained. Other observations (e.g., well integrity, etc.) will be noted on the well sampling log. The well sampling log will serve as the inspection form for the groundwater monitoring well network.

This should include a description of:

- Well gauging;
- Well purging;
- Sampling methodology;
- Analytical methodology:
    - Lab certification;
    - Analytical methods;
    - Analytes.

3.4 WELL REPLACEMENT/REPAIRS AND DECOMMISSIONING

Repairs and/or replacement of wells in the monitoring well network will be performed based on assessments of structural integrity and overall performance. Well decommissioning, for the purpose of replacement, should be reported to NYSDEC prior to performance and in the annual

report. Well decommissioning without replacement must receive prior approval by NYSDEC. Well abandonment will be performed in accordance with NYSDEC's "Groundwater Monitoring Well Decommissioning Procedures." Monitoring wells that are decommissioned because they have been rendered unusable will be reinstalled in the nearest available location, unless otherwise approved by the NYSDEC and NYSDOH.

3.5 SITE-WIDE INSPECTION

Site-wide inspections will be performed on a regular schedule at a minimum of once a year. During these inspections, an inspection form will be completed. The form will compile sufficient information to assess the following:

- Compliance with all ICs, including Site usage;
- An evaluation of the condition and continued effectiveness of ECs;
- General Site conditions at the time of the inspection;
- The Site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection;
- Compliance with permits and schedules included in the Operation and Maintenance Plan; and
- Confirm that Site records are up to date.

3.6 MONITORING QUALITY ASSURANCE/QUALITY CONTROL

All sampling and analyses will be performed in accordance with the requirements of the Quality Assurance Project Plan (QAPP) prepared for the Site. Main Components of the QAPP include:

- QA/QC Objectives for Data Measurement;
- Sampling Program:
    - Sample containers will be properly washed, decontaminated, and appropriate preservative will be added (if applicable) prior to their use by the analytical laboratory. Containers with preservative will be tagged as such.

    - Sample holding times will be in accordance with the NYSDEC ASP requirements.
    - Field QC samples (e.g., trip blanks, coded field duplicates, and matrix spike/matrix spike duplicates) will be collected as necessary.
- Sample Tracking and Custody;
- Calibration Procedures:
    - All field analytical equipment will be calibrated immediately prior to each day's use. Calibration procedures will conform to manufacturer's standard instructions.
    - The laboratory will follow all calibration procedures and schedules as specified in USEPA SW-846 and subsequent updates that apply to the instruments used for the analytical methods.
- Analytical Procedures;
- Data Reduction and Validation:
- Data validation will be performed in accordance with the USEPA validation guidelines for organic and inorganic data review. Validation will include the following:
- Verification of 100% of all QC sample results (both qualitative and quantitative);
- Verification of the identification of 100% of all sample results (both positive hits and non-detects);
- Recalculation of 10% of all investigative sample results; and
- A Data Usability Summary Report (DUSR) which will present the results of data validation, including a summary assessment of laboratory data packages, sample preservation and chain of custody procedures, and a summary assessment of precision, accuracy, representativeness, comparability, and completeness for each analytical method.
- Internal QC and Checks;
- QA Performance and System Audits;
- Preventive Maintenance Procedures and Schedules;
- Corrective Action Measures.

3.7 MONITORING REPORTING REQUIREMENTS

Forms and any other information generated during regular monitoring events and inspections will be kept on file on-Site. All forms, and other relevant reporting formats used during the

monitoring/inspection events, will be (1) subject to approval by NYSDEC and (2) submitted at the time of the Annual Site Management Report, as specified in the Reporting Plan of the SMP.

All monitoring results will be reported to NYSDEC on an Annual basis in the Site Management Report. A report or letter will be prepared for submission, if required by NYSDEC, subsequent to each sampling event. The report (or letter) will include, at a minimum:

- Date of event;
- Personnel conducting sampling;
- Description of the activities performed;
- Type of samples collected (e.g., sub-slab vapor, indoor air, outdoor air, etc);
- Copies of all field forms completed (e.g., well sampling logs, chain-of-custody documentation, etc.);
- Sampling results in comparison to appropriate standards/criteria;
- A figure illustrating sample type and sampling locations;
- Copies of all laboratory data sheets and the required laboratory data deliverables required for all points sampled (also to be submitted electronically in the NYSDEC-identified format);
- A copy of the laboratory certification;
- Any observations, conclusions, or recommendations; and
- A determination as to whether conditions have changed since the last reporting event.

Data will be reported in hard copy or digital format as determined by NYSDEC.

3.8 CERTIFICATIONS

Site inspections and sampling activities will take place as outlined above. Frequency of inspection is subject to change by NYSDEC. Inspection certification for all ICs and ECs will be submitted to NYSDEC on a calendar year basis and must be submitted by March 1 of the following year. A qualified environmental professional, as determined by NYSDEC, will perform inspection

and certification. Further information on the certification requirements are outlined in the Reporting Plan of the SMP.

4.0 OPERATION AND MAINTENANCE PLAN

4.1 INTRODUCTION

The Operation and Maintenance Plan describes the measures necessary to operate and maintain any mechanical components of the remedy selected for the Site. This Operation and Maintenance Plan:

- Includes the steps necessary to allow individuals unfamiliar with the Site to operate and maintain the system;
- Includes an operation and maintenance contingency plan; and,
- Will be updated periodically to reflect changes in Site conditions or the manner in which the system is operated and maintained.

Information on non-mechanical Engineering Controls (i.e. composite cover) can be found in Section 3 - Engineering and Institutional Control Plan. A copy of this Operation and Maintenance Plan, along with the complete SMP, will be kept at the Site. This Operation and Maintenance Plan is not to be used as a stand-alone document, but as a component document of the SMP. The Operation and Management Plan is subject to NYSDEC revision.

4.2 ENGINEERING CONTROL SYSTEM OPERATION AND MAINTENANCE

4.2.1 Concrete Cap

The concrete cap needs no operational guidance. It will be inspected on a regular basis and repairs made if and when necessary, otherwise monitoring will be reported in the Annual Report.

4.3 GROUNDWATER MONITORING WELL MAINTENANCE

If biofouling or silt accumulation has occurred in the on-Site and/or off-Site monitoring wells, the wells will be physically agitated/surged and redeveloped. Additionally, monitoring wells will be properly decommissioned and replaced (as per the Monitoring Plan), if an event renders the wells unusable.

4.4 MAINTENANCE REPORTING REQUIREMENTS

Maintenance reports and any other information generated during regular operations at the Site will be kept on-file on-Site. All reports, forms, and other relevant information generated will be available upon request to the NYSDEC and submitted as part of the Annual Site Management Report, as specified in the Section 5 of this SMP.

4.4.1 Routine Maintenance Reports

Checklists or forms will be completed during each routine maintenance event. Checklists/forms will include, but not be limited to the following information:

- Date;
- Name, company, and position of person(s) conducting maintenance activities;
- Maintenance activities conducted;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet); and,

Other documentation such as copies of invoices for maintenance work, receipts for replacement equipment, etc., (attached to the checklist/form).

4.4.2 Non-Routine Maintenance Reports

During each non-routine maintenance event, a form will be completed which will include, but not be limited to, the following information:

- Date;
- Name, company, and position of person(s) conducting non-routine maintenance/repair activities;
- Presence of leaks;
- Date of leak repair;
- Other repairs or adjustments made to the system;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents (included either on the form or on an attached sheet); and,
- Other documentation such as copies of invoices for repair work, receipts for replacement equipment, etc. (attached to the checklist/form).

4.5 CONTINGENCY PLAN

Emergencies may include injury to personnel, fire or explosion, environmental release, or serious weather conditions.

Because of its nature, no emergency situations are likely to arise relating to the concrete cap.

4.5.1 Emergency Telephone Numbers

In the event of any environmentally related situation or unplanned occurrence requiring assistance the Owner or Owner's representative(s) should contact the appropriate party from the contact list below. For emergencies, appropriate emergency response personnel should be contacted. Prompt contact should also be made to Richard D. Galli at Galli Engineering, P.C. at (631) 271-9292. These emergency contact lists must be maintained in an easily accessible location at the Site.

Emergency Contact Numbers

Medical, Fire, and Police: 911

One Call Center: (800) 272-4480 (3 day notice required for utility markout)

Poison Control Center: (800) 222-1222

Pollution Toxic Chemical Oil Spills: (800) 424-8802

NYSDEC Spills Hotline: 1-800-457-7362

NYSDEC Environmental Violation Hotline: 1-800-TIPP-DEC

Facility Contact:

Nick Campione - Champ Construction Corp.

(516) 489-2582

Qualified Environmental Professional:

Richard D. Galli - Galli Engineering, P.C.

(631) 271-9292

4.5.2 Map and Directions to Nearest Health Facility

Site Location: 48 Sewell Street, Hempstead, NY 11550

Nearest Hospital Name: Mercy Medical Center

Hospital Location: 1000 North Village Avenue, Rockville Center, NY 11571

Hospital Telephone: (516) 705-2525

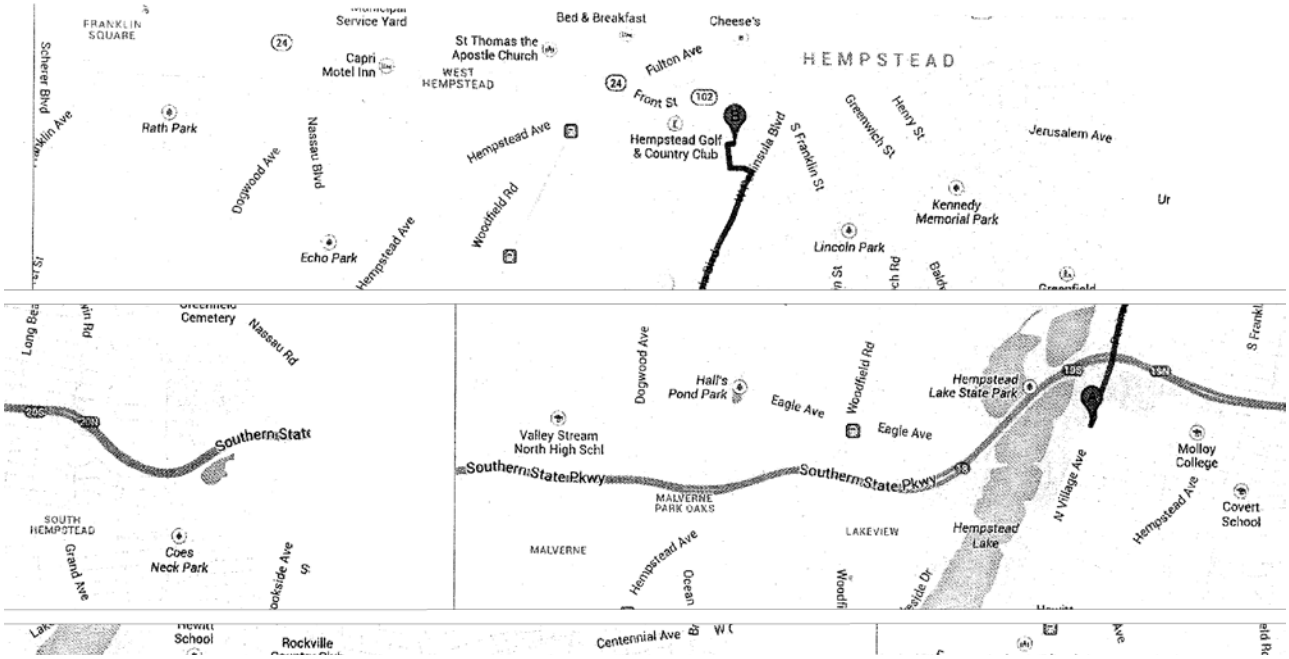
Directions to the Hospital:

1. Head east on Sewell Street toward W Peninsula Boulevard
2. Turn right onto W Peninsula Boulevard
3. In 1.0 miles, turn left toward N Village Avenue
4. In 121 feet, turn left onto N Village Avenue
5. In 330 feet, Mercy Medical Center will be on the right.

Total Distance: 1.2 Miles

Total Estimated Time: 4 Minutes

Map Showing Route from the Site to the Hospital:



5.0 SITE MANAGEMENT REPORTING PLAN

5.1 INTRODUCTION

An Annual Site Management Report will be submitted to NYSDEC following the reporting period, by March 1 or other reporting date, as allowed by the NYSDEC. The Site Management Report will be prepared in accordance with NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation requirements. This Site Management Reporting Plan and its requirements are subject to revision by NYSDEC.

This report will include the following:

- Identification of all required EC/ICs required by the Remedial Action Work Plan for the Site;
- An evaluation of the Engineering and Institutional Control Plan and the Monitoring Plan for adequacy in meeting remedial goals;
- Assessment of the continued effectiveness of all Institutional and Engineering Controls for the Site;
- Certification of the EC/ICs;
- Results of the required periodic Site Inspections; and
- All deliverables generated during the reporting period, as specified in Section 2 EC/IC Plan, Section 3 Monitoring Plan and Section 4 Operation and Maintenance Plan.

The Site Management Reporting Plan is subject to NYSDEC revision.

5.2 CERTIFICATION OF ENGINEERING AND INSTITUTIONAL CONTROLS

Information of EC/ICs can be found in the Engineering and Institutional Control Plan portion of the SMP. Inspection of the EC/ICs will occur at a frequency described in Section 3 Monitoring Plan and Section 4 Operation and Maintenance Plan. After the last inspection of the reporting period, a Professional Engineer licensed to practice in New York State will sign and certify the document. The document will certify that:

- On-Site ECs/ICs are unchanged from the previous certification;
- They remain in-place and effective;
- The systems are performing as designed;
- Nothing has occurred that would impair the ability of the controls to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with any operation and maintenance plan for such controls;
- Access is available to the Site by NYSDEC and NYSDOH to evaluate continued maintenance of such controls; and
- Site usage is compliant with the environmental easement.

The signed certification will be included in the Annual Site Management Report (see Section 5.3).

5.3 SITE INSPECTIONS

5.3.1 Inspection Frequency

All inspections will be conducted at the frequency specified in the schedules provided in Section 3 Monitoring Plan and Section 4 Operation and Maintenance Plan of this SMP. At a minimum, a Site-wide inspection will be conducted:

- Annually
- When a breakdown of the treatment systems has occurred; and
- Whenever a severe condition has taken place, such as an erosion or flooding event that may affect the ECs.

5.3.2 Inspection Forms, Sampling Data, and Maintenance Reports

All inspections and monitoring events will be recorded on the appropriate forms for their respective system. Additionally, a general Site-wide inspection form will be completed during the Site-wide inspection. These forms are subject to NYSDEC revision.

All applicable inspection forms and other records (including all sampling data of any media at the Site and system maintenance reports) generated for the Site during the calendar year will be included in the Annual Site Management Report.

5.3.3 Evaluation of Records and Reporting

The results of the inspection and Site monitoring data will be evaluated as part of the EC/IC certification to confirm that the EC/ICs are in place, are performing properly, and remain effective, to ensure that the Monitoring Plan is being implemented, that operation and maintenance activities are being conducted properly, and, based on the above items, that the Site remedy continues to be protective of public health and the environment and is performing as designed in the RAWP and FER.

5.4 SITE MANAGEMENT REPORT

The Site Management Report will be submitted annually and will be submitted by the reporting period. Other activities such as groundwater monitoring reports will also be submitted on an annual basis, with those results also incorporated into the Annual Site Management Report. The report will include:

- EC/IC certification;
- All applicable inspection forms and other records generated for the Site during the reporting period;
- A summary of any discharge monitoring data and/or information generated during the reporting period with comments and conclusions;

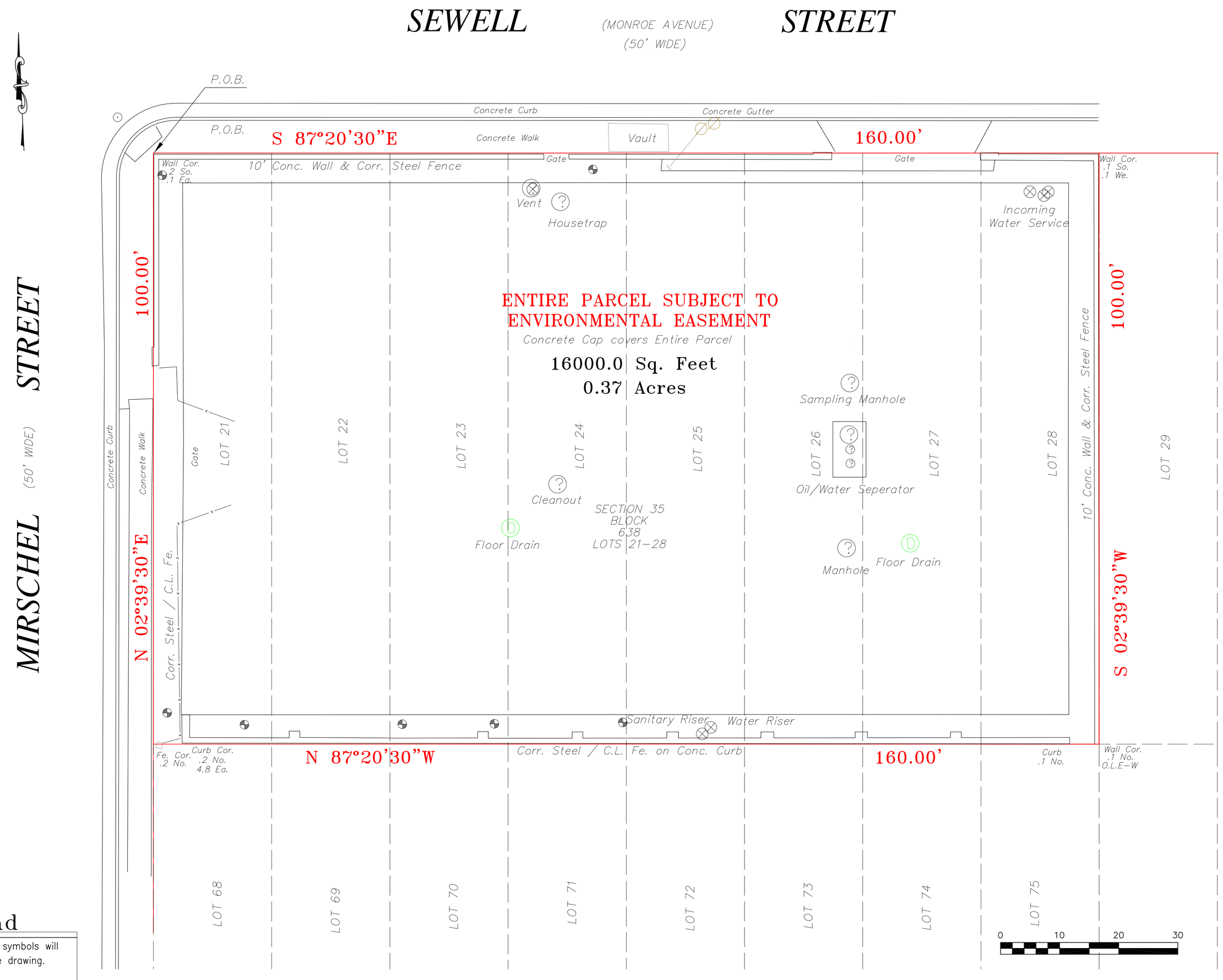
- Cumulative data summary tables and/or graphical representations of contaminants of concern by media which include a listing of all compounds analyzed along with the applicable standards, with all exceedances highlighted;
- Results of all analyses, copies of all laboratory data sheets, and the required laboratory data deliverables required for all points sampled during the calendar year (also to be submitted electronically in the NYSDEC-specified format);
- Comments, conclusions, and recommendations based on data evaluation; and
- A Site evaluation, which will address the following:
    - The compliance of the remedy with the requirements of the Site-specific RAWP and FER;
    - The performance and effectiveness of the remedy;
    - Any new conclusions or observations regarding Site contamination based on inspections or data generated by the Monitoring Plan for the media being monitored; and
    - Recommendations regarding any necessary changes to the remedy and/or Monitoring Plan.
    - A figure showing sampling and well locations, and significant analytical values at sampling locations; and
    - Comments, conclusions, and recommendations, based on an evaluation of the information included in the report, regarding EC/ICs at the Site.

The Site Management Report will be submitted, in hard-copy format, to the Region 1 NYSDEC offices, located at SUNY – Stony Brook, 50 Circle Road, Stony Brook, New York 11790, and in electronic format to NYSDEC and NYSDOH.

APPENDIX A

SITE SAMPLING LOCATIONS PLAN

N.C.T.M.# Section 35, Block 638, Lots 21 to 28 Inclusive



Legend

These standard symbols will be found in the drawing.

- Utility Pole
- Monitoring Well
- As per Drawing
- Floor Drain
- As Per Drawing

No.	Date	Revisions
1	12/8/14	Rev. As per DEC Comments

Proj. No. 07012
Dwg. No. 1/1
Scale : 1"= 10'
Date : 11/12/14

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I HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR LICENSED TO PRACTICE IN THE STATE OF NEW YORK, AND THAT THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY PREPARED UNDER MY IMMEDIATE SUPERVISION. I FURTHER DECLARE, TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF, THIS PLAN IS AN ACCURATE REPRESENTATION THE CONDITIONS EXISTING AS OF THE DATE HEREON.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW. COPIES OF THIS SURVEY MAP NOT BEARING THE LAND SURVEYOR'S INKED SEAL OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY.

THIS PROPERTY IS SUBJECT TO AN ENVIRONMENTAL EASEMENT HELD BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PURSUANT TO TITLE 36 OF ARTICLE 71 OF THE NEW YORK ENVIRONMENTAL CONSERVATION LAW. THE ENGINEERING AND INSTITUTIONAL CONTROLS FOR THIS EASEMENT ARE SET FORTH IN THE SITE MANAGEMENT PLAN (SMP). A COPY OF THE SMP MUST BE OBTAINED BY ANY PARTY WITH AN INTEREST IN THE PROPERTY. THE SMP CAN BE OBTAINED FROM NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DIVISION OF ENVIRONMENTAL REMEDIATION, SITE CONTROL SECTION, 625 BROADWAY, ALBANY, NY 12233 OR AT DERWEB@GW.DEC.STATE.NY.US. .

Amended Map of Hempstead City Park Block 9 Lots 21 to 28 Inclusive

Filed: September 3, 1975
Filed Map No.: 6292

Situated at

Inc. Village of Hempstead
Town of Hempstead
Nassau County
New York

Surveyed

October 3, 2014

Legal Description

(Parcel & Easement Description)

Section 35, Block 638
Lots 21-28 Inclusive

All that certain plot, piece or parcel of land, situate, lying and being in the Incorporated Village of Hempstead, County of Nassau and State of New York, known and Designated by Lots Numbered 21-28 Inclusive in Block 9, on a certain Map entitled :Amended Map of Hempstead City Park, situated at Hempstead, N.Y., owned by Pierce Home Land Corporation, 116 West 32nd Street, N.Y.C., surveyed by Van DerWerken & Kuehnle, C.E and L.S., Lynbrook and Long Beach in September 1926," and filed in the Nassau County Clerk's office on October 4, 1926 as Map 616, Case Number 688.

Said Parcel Being more particularly bounded and described as follows:

Beginning at the corner formed by the intersection of the Southerly side of Sewell Street and the Westerly side of Mirschel Street;

Running thence South 87°20'30" East a distance of 160.00 feet;

Thence South 02°39'30" West a distance of 100.00 feet;

Thence North 87°20'30" West a distance of 160.00 feet;

Thence North 02°39'30" East a distance of 100.00 feet to the corner and the point or place of Beginning.

Said parcel containing 16,000 S.F. or 0.37 Acres.

General Notes

Field Survey Performed October 3, 2014
No Visible ponds, lakes, rivers or water coures on parcel
Entire parcel covered with a concrete slab (cap)

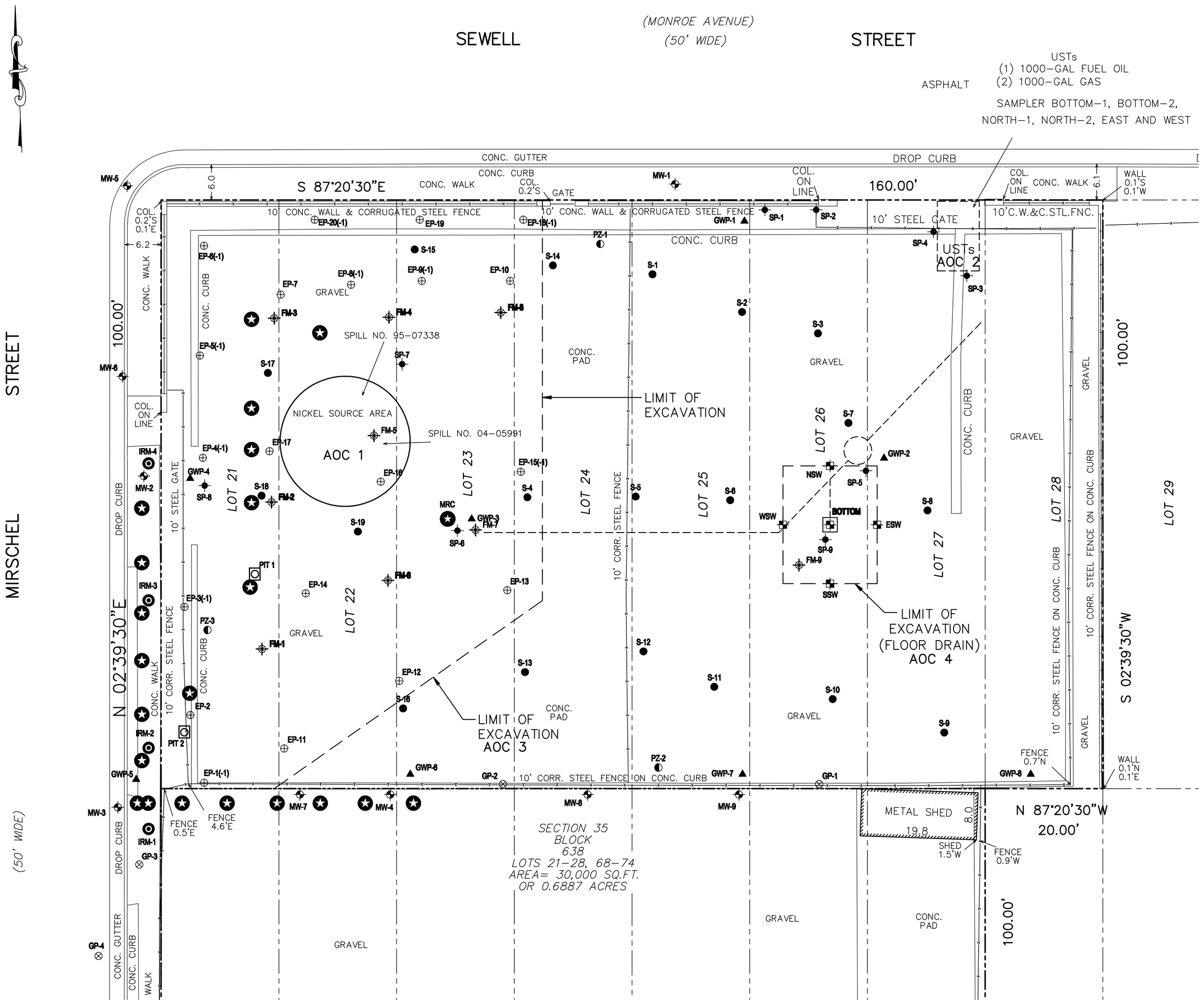
Certified to:

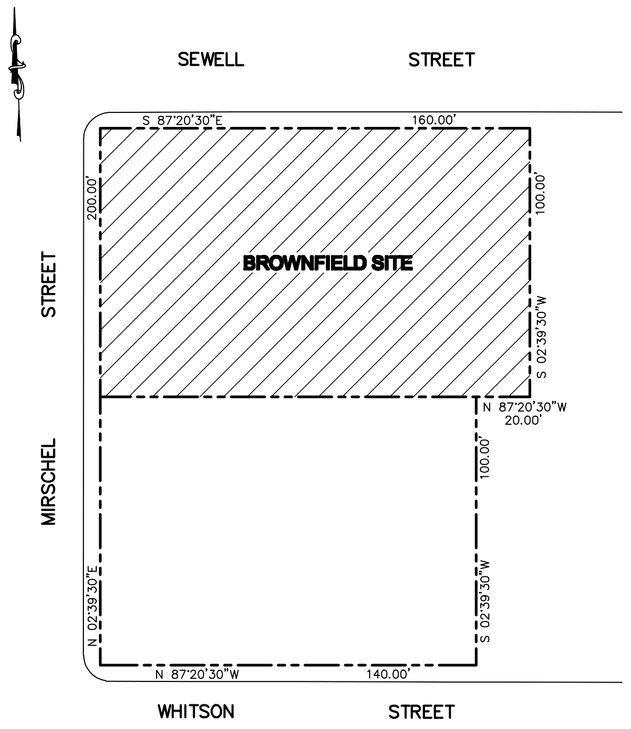
NYS Department of Environmental Conservation

STATE OF NEW YORK ROBERT W. OTT No. 49670 LICENSED LAND SURVEYOR

Robert W. Ott L.S.

MUNICIPAL LAND SURVEY P.C.
10 SYLVIA LANE
MIDDLE ISLAND, NEW YORK, 11953
(631) 345-2658





KEY PLAN
SCALE: 1"=40'

SURVEY LEGEND:

- PROPERTY LINE
- LOT LINE
- FENCE
- CURB

WORK DATE	CONSULTANT	POINTS INSTALLED
APRIL 9, 2001	KOSURI ENGINEERING & CONSULTING, P.C.	SP-1 THRU SP-9 GWP-1 THRU GWP-8 PIT 1 & PIT 2
OCT. 15, 2003	BERNINGER ENVIRONMENTAL, INC.	S-1 THRU S-16 PZ-1 THRU PZ-3 (DESTROYED)
JULY 22, 2004	BERNINGER ENVIRONMENTAL, INC.	S-17 THRU S-19
APRIL-MAY 2005	BERNINGER ENVIRONMENTAL, INC.	MW-1 THRU MW-4 (14) MRC INJECTION POINTS (PERIMETER) (8) MRC INJECTION POINTS (HOTSPOTS) (2) MRC INJECTION POINTS (PITS 1 AND 2)
JAN. 24-25, 2006	PREFERRED ENVIRONMENTAL SERVICES AARCO ENVIRONMENTAL SERVICES	REMOVAL OF (2) 1,000 GAL GASOLINE TANKS (1) 1,000 GAL FUEL OIL TANK
JAN. 29, 2008	PREFERRED ENVIRONMENTAL SERVICES	IRM-1 THRU IRM-4 (INSPECTION WELLS)
OCT. 24, 2009	CIFRON ENVIRONMENTAL SERVICES	MW-5 THRU MW-9 GP-1 THRU GP-4
NOV. 18, 2009	CIFRON ENVIRONMENTAL SERVICES	EP-1 THRU EP-20
DEC. 13, 2010	PREFERRED ENVIRONMENTAL SERVICES	FLOOR DRAIN 5 SAMPLES
SEPT. 24, 2013	GALLI ENGINEERING, P.C.	FM-1 THRU FM-9

LEGEND

- MW-1 — MONITORING WELL
- S-1 — SOIL SAMPLING LOCATION
- SP-1 — SOIL SAMPLING LOCATION
- EP-1 — END POINT SOIL SAMPLES
- GP-1 — GEOPROBE
- GWP-1 — GROUNDWATER PROBE
- PZ-1 — PIEZOMETER LOCATION
- IRM-1 — INSPECTION WELL
- MRC INJECTION POINTS
- PIT
- SBW — DRAIN SAMPLE LOCATION
- FM-1 — FILL MATERIAL SAMPLE
- A.O.C. — AREA OF CONCERN

UNAUTHORIZED ALTERATION OF, OR ADDITION TO PLANS OR DOCUMENTS BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

ANY ALTERATION TO THIS DOCUMENT MUST BE DONE BY A PERSON ACTING UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL IN ACCORDANCE WITH THE STATE EDUCATION LAW.

COPIES OF THIS DOCUMENT NOT MARKED WITH AN ORIGINAL OF THE PROFESSIONAL ENGINEERS INKED SEAL OR HIS EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE VALID TRUE COPIES.

REV.	DATE	DESCRIPTION	BY

JOB NO. 0853-01-005
DRAWN PS
CHECKED KLB
APPROVED RDG
SEAL

CHAMP CONSTRUCTION
YARD WASTE AND C&D TRANSFER STATION
44 MADISON AVE., HEMPSTEAD, N.Y. 11550

SAMPLE LOCATION PLAN

Galli engineering, P.C.
35 Pinelawn Road, Suite 209E
Melville, New York 11747

DATE 08/13/14 | SCALE 1"=10' | **Figure 3**

APPENDIX B

METES AND BOUNDS

APPENDIX A

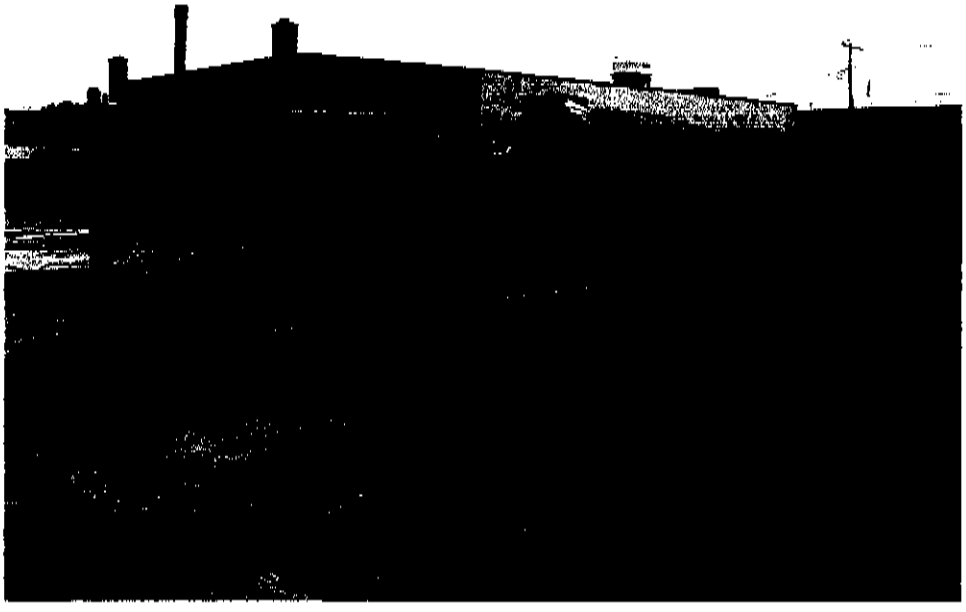
Metes and Bounds Description and Photographic Log (2004 - 2005)

Description of
Section 35, Block 638, Lots 21-28

All that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being at Hempstead, Town of Hempstead, County of Nassau, State of New York bounded and described as follows:

Beginning at the corner formed by the intersection of the southerly side of Sewell Street with the easterly side of Mirschel Street running thence the following four (4) courses and distances;

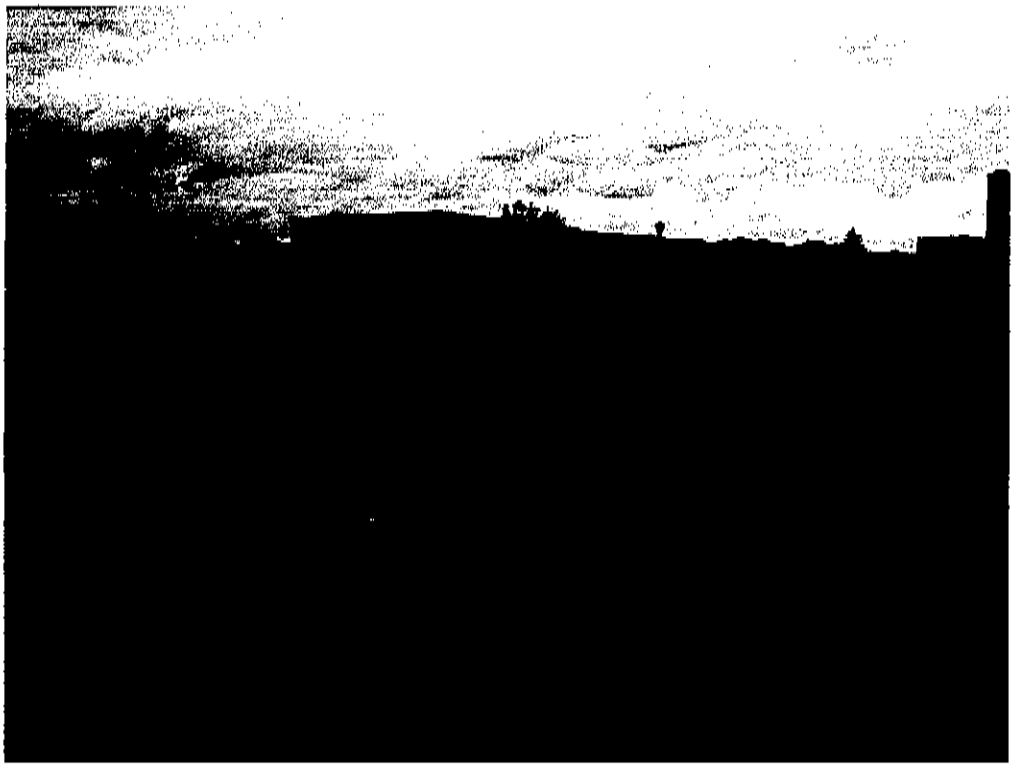
1. South 87 deg. 20 min. 30 sec. East a distance of 160.00',
2. South 2 deg. 39 min. 30 sec. West a distance of 100.00',
3. North 87 deg. 20 min. 30 sec. West a distance of 160.00' to the easterly side of Mirschel Street,
4. Along said side North 2 deg. 39 min. 30 sec. East a distance of 100.00' to the point or place of beginning.



Photograph No. 1 - View of southwest corner of the property, along Mirschel Street. Location of former wastewater treatment pits and former municipal sewer connection.



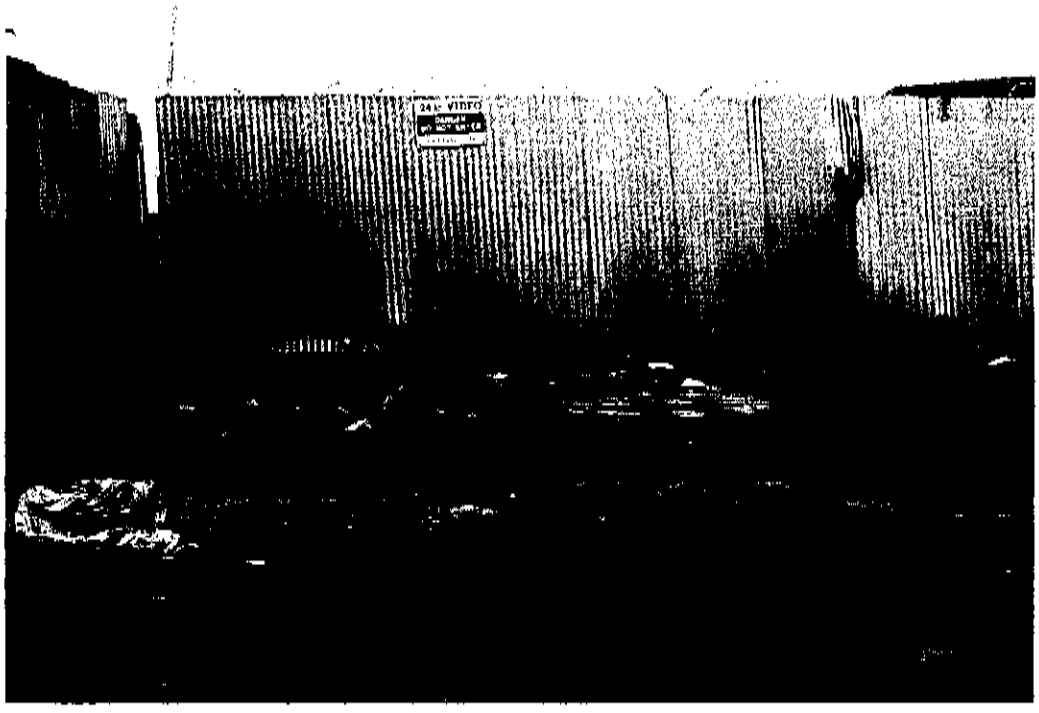
Photograph No. 2 - View of interior of the property, former trench drain is depicted in foreground. Installation of soil borings and monitoring wells.



Photograph No. 3 - View of interior of the property, looking to the east.



Photograph No. 4 - View of the western portion of the property, location of former plating operations and wastewater treatment.



Photograph No. 5 - View of northeast corner of the property, location of former office and basement structure with old heating system; No. 2 fuel oil UST was located at this area, prior to its removal.



Photograph No. 6 - Injection of Metals Remediation Compound in April/May 2005 at subgrade impacted soil source areas and at southwest property perimeter.



Photograph No. 7 - Supplemental soil sampling in subgrade soil source areas to collect samples for pre-disposal characterization for the IRM.

APPENDIX C

ENVIRONMENTAL EASEMENT

LAW OFFICE OF
THOMAS W. RALEIGH
71 HEWLETT DRIVE
SOUND BEACH, NY 11789
(631) 403-6070

FAX: (631) 821-3429
E-MAIL: TWR@TWRLAW.NET

VIA OVERNIGHT COURIER

December 12, 2014

Bradford D. Burns, Senior Attorney
NYS Dept of Environmental Conservation
Office of General Counsel
625 Broadway, 14th Floor
Albany, NY 12233-1500

Re: Fildon, LLC – Environmental Easement Package
Site No: C130143 (48 Sewell Street, Hempstead, NY)
Brownfield Cleanup Agreement Index : W1-1141-09-07

Dear Mr. Burns:

Enclosed please find the final Environmental Easement Package in support of Fildon, LLC's Brownfield Cleanup Agreement. The following documents are enclosed:

1. Two (2) original signed Easements, executed on behalf of Fildon, LLC (electronic version sent via e-Mail);
2. Copy of current deed;
3. Copy of applicable tax map;
4. Proof of authority to obligate owner;
5. Legal description of subject property (Word format send via e-mail);
6. Two (2) signed Surveys (electronic version sent via e-Mail);
7. Draft Notice to Municipality (Word format send via e-mail); and
8. Signed Attorney Checklist.

Thank you for your assistance in this matter. Please free to contact me if you have any questions regarding this submittal.

Very truly yours,

Thomas W. Raleigh

THOMAS W. RALEIGH

Encl.

cc: Kerry Maloney (via e-mail)

COPYRIGHT 1998 NASSAU COUNTY

60' 30' 0' 60' 120'

SCALE: 1"= 60'

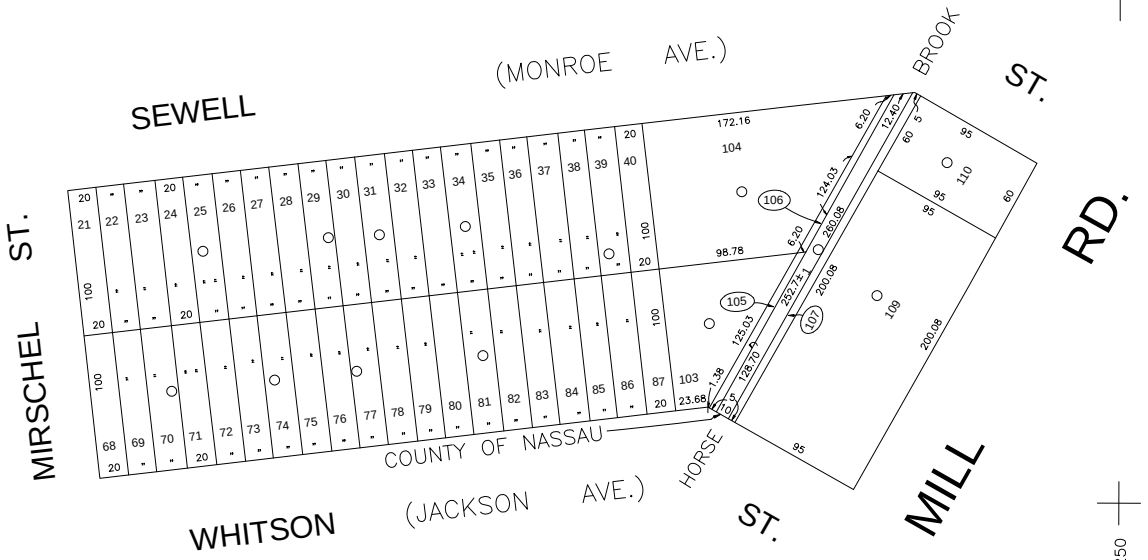
N 173,650

NY PLANE COORDINATE SYSTEM

N 173,300

E 2,102,350

E 2,103,250



LEGEND

COUNTY LINE	
TOWN LINE	
VILLAGE LINE	
SCHOOL DISTRICT LINE	
PROPERTY LINE	
SPECIAL DISTRICT LINE	
BLOCK LIMIT	
LOCATOR POINT	*
TAX MAP PARCEL NO.	246
CALCULATED ACREAGE	75M(C)
DEED ACREAGE	176A
SCALED DIMENSION	327(S)
DEED DIMENSION	185.09

REFERENCE MAPS
MAP NO.

	DIST
POLICE	
WATER	
LIGHTING	
LIBRARY	
FIRE	

	DIST
FIRE PROTECTION	
SANITARY	
REFUSE & GARBAGE	
REFUSE DISPOSAL	
Town of Hempstead	X
SEWAGE COLLECTION	

SPECIAL DISTRICTS

	DIST
PUBLIC PARKING	
SEWER	
Nassau County Sewage Disposal District #2	202
PARK	
IMPROVEMENT	
SIDEWALK	

	DIST
DRAINAGE	
FIRE HYDRANT RENTAL	
GARBAGE	
ESCALATOR	
WATER POLLUTION CONTROL	
Town, County, College, Police HQ	1

MUNICIPALITIES

TOWN OF:
HEMPSTEAD
NORTH HEMPSTEAD
OYSTER BAY
CITY OF:
GLEN COVE
LONG BEACH
VILLAGE OF:

SCHOOL DISTRICT
Hempstead 1

CODE	SPECIAL DISTRICT WITHIN
399	1 202 X

CODE | SPECIAL DISTRICT WITHIN

CODE | SPECIAL DISTRICT WITHIN

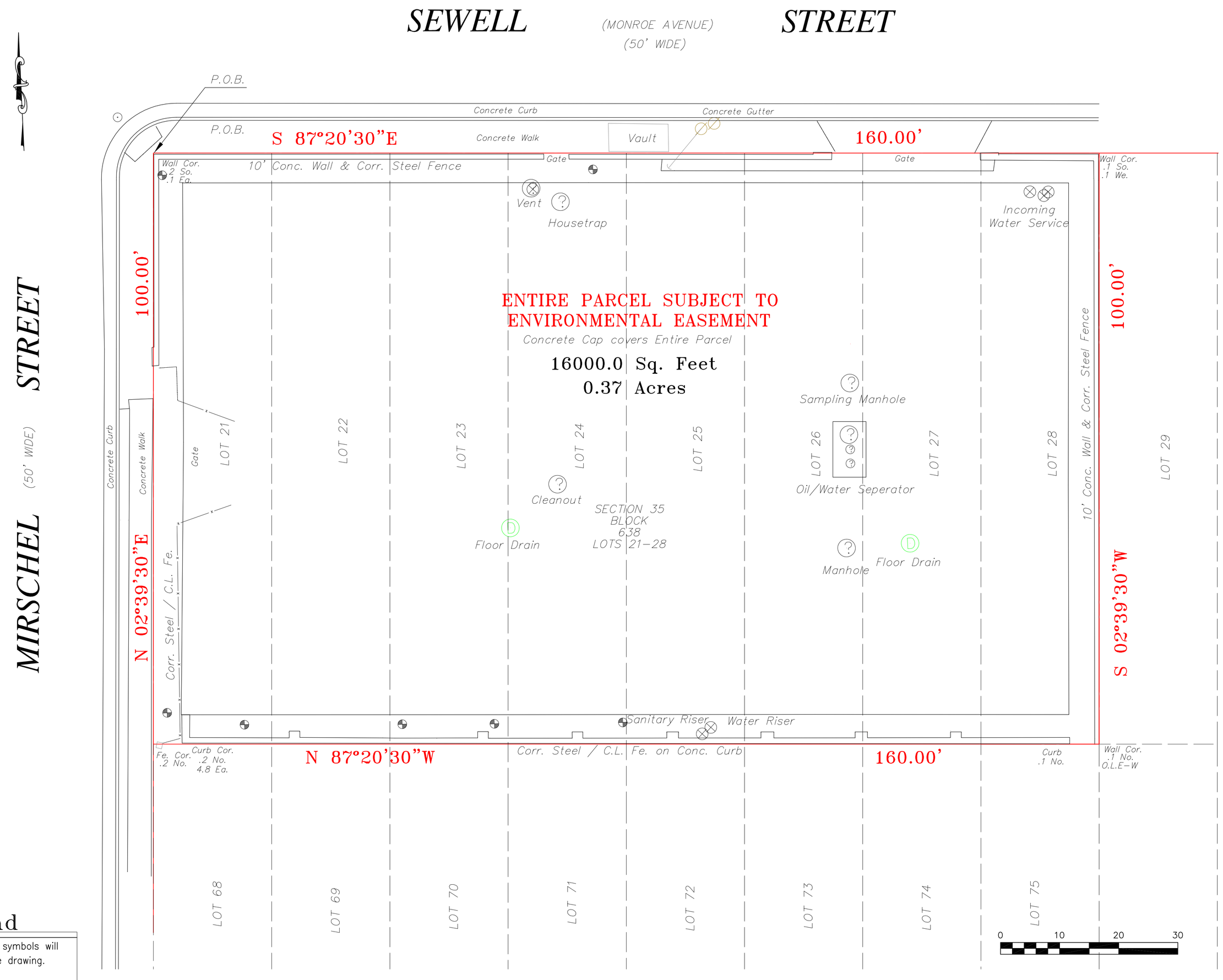
Nassau County
Department of Assessment
Charles O'Shea, Chairman
Land & Tax Map

Map Last Revised: JUNE 2, 2003

SEC. 35
BLK. 638

SHEET 1 OF 1

N.C.T.M.# Section 35, Block 638, Lots 21 to 28 Inclusive



Legend

These standard symbols will be found in the drawing.

- Utility Pole
- Monitoring Well
- As per Drawing
- Floor Drain
- As Per Drawing

No.	Date	Revisions
1	12/8/14	Rev. As per DEC Comments

Proj. No. 07012
Dwg. No. 1/1
Scale : 1"= 10'
Date : 11/12/14

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I HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR LICENSED TO PRACTICE IN THE STATE OF NEW YORK, AND THAT THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY PREPARED UNDER MY IMMEDIATE SUPERVISION. I FURTHER DECLARE, TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF, THIS PLAN IS AN ACCURATE REPRESENTATION THE CONDITIONS EXISTING AS OF THE DATE HEREON.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW. COPIES OF THIS SURVEY MAP NOT BEARING THE LAND SURVEYOR'S INKED SEAL OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY.

THIS PROPERTY IS SUBJECT TO AN ENVIRONMENTAL EASEMENT HELD BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PURSUANT TO TITLE 36 OF ARTICLE 71 OF THE NEW YORK ENVIRONMENTAL CONSERVATION LAW. THE ENGINEERING AND INSTITUTIONAL CONTROLS FOR THIS EASEMENT ARE SET FORTH IN THE SITE MANAGEMENT PLAN (SMP). A COPY OF THE SMP MUST BE OBTAINED BY ANY PARTY WITH AN INTEREST IN THE PROPERTY. THE SMP CAN BE OBTAINED FROM NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DIVISION OF ENVIRONMENTAL REMEDIATION, SITE CONTROL SECTION, 625 BROADWAY, ALBANY, NY 12233 OR AT DERWEB@GW.DEC.STATE.NY.US. .

Amended Map of Hempstead City Park Block 9 Lots 21 to 28 Inclusive

Filed: September 3, 1975
Filed Map No.: 6292

Situated at

Inc. Village of Hempstead
Town of Hempstead
Nassau County
New York

Surveyed

October 3, 2014

Legal Description

(Parcel & Easement Description)

Section 35, Block 638
Lots 21-28 Inclusive

All that certain plot, piece or parcel of land, situate, lying and being in the Incorporated Village of Hempstead, County of Nassau and State of New York, known and Designated by Lots Numbered 21-28 Inclusive in Block 9, on a certain Map entitled :Amended Map of Hempstead City Park, situated at Hempstead, N.Y., owned by Pierce Home Land Corporation, 116 West 32nd Street, N.Y.C., surveyed by Van DerWerken & Kuehnle, C.E and L.S., Lynbrook and Long Beach in September 1926," and filed in the Nassau County Clerk's office on October 4, 1926 as Map 616, Case Number 688.

Said Parcel Being more particularly bounded and described as follows:

Beginning at the corner formed by the intersection of the Southerly side of Sewell Street and the Westerly side of Mirschel Street;

Running thence South 87°20'30" East a distance of 160.00 feet;

Thence South 02°39'30" West a distance of 100.00 feet;

Thence North 87°20'30" West a distance of 160.00 feet;

Thence North 02°39'30" East a distance of 100.00 feet to the corner and the point or place of Beginning.

Said parcel containing 16,000 S.F. or 0.37 Acres.

General Notes

Field Survey Performed October 3, 2014
No Visible ponds, lakes, rivers or water coures on parcel
Entire parcel covered with a concrete slab (cap)

Certified to:

NYS Department of Environmental Conservation

STATE OF NEW YORK ROBERT W. OTT No. 49670 LICENSED LAND SURVEYOR

Robert W. Ott L.S.

MUNICIPAL LAND SURVEY P.C.
10 SYLVIA LANE
MIDDLE ISLAND, NEW YORK, 11953
(631) 345-2658

PROPERTY DESCRIPTION

All that certain plot, piece or parcel of land. With the buildings and improvements thereon erected, situate, lying and being in the incorporated Village of Hempstead, County of Nassau, and State of New York, known and designated as and by Lots numbered 21 to 28 inclusive in Block 9, on a certain map entitled: “Amended Map of Hempstead City Park, situated at Hempstead, N.Y., owned by the Pierce Home Land Corporation, 116 West 32nd Street, N.Y.C., surveyed by Van DerWerken & Kuehnle, C.E. and S., Lynbrook and Long Beach in September 1926,” and filed in the Nassau County Clerk’s Office on October 4, 1926 as Map 616, Case Number 688.

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Thence South 02°39’30” West a distance of 100.00 feet;

Thence North 87°20’30” West a distance of 160.00 feet;

Thence North 02°39’30” East a distance of 100.00 feet to the corner and the point or place of Beginning;

Said parcel containing 16,000 S.F. or 0.37 acres more or less.

Notice to Municipality

Date

Hempstead Town Clerk
One Washington Street
First Floor
Hempstead, NY 11550

Re: Environmental Easement

Dear Sir or Madam:

Attached please find a copy of an environmental easement granted to the New York State Department of Environmental Conservation ("DEC") on _____, by Fildon, LLC, for property at 48 Sewell Street, Hempstead, NY, Tax Map No.: Sect. 35, Block 638, Lots 21-28, DEC Site No: C130143.

This Environmental Easement restricts future use of the above-referenced property to restricted residential, commercial or industrial uses. Any on-site activity must be done in accordance with the Environmental Easement and the Site Management Plan which is incorporated into the Environmental Easement. (Department approval is also required prior to any groundwater use.)

Article 71, Section 71-3607 of the New York State Environmental Conservation Law requires that:

1. Whenever the department is granted an environmental easement, it shall provide each affected local government with a copy of such easement and shall also provide a copy of any documents modifying or terminating such environmental easement.
2. Whenever an affected local government receives an application for a building permit or any other application affecting land use or development of land that is subject to an environmental easement and that may relate to or impact such easement, the affected local government shall notify the department and refer such application to the department. The department shall evaluate whether the application is consistent with the environmental easement and shall notify the affected local government of its determination in a timely fashion, considering the time frame for the local government's review of the application. The affected local government shall not approve the application until it receives approval from the department.

An electronic version of every environmental easement that has been accepted by this Department is available to the public at: http://www.dec.ny.gov/chemical/36045.html. If you have any questions or comments regarding this matter, please do not hesitate to contact me.

Very truly yours,

MINUTES OF FIRST MEETING

of

THE MEMBERS

of

FILDON LLC

The first meeting of members of the above named Company was held at:

Date: June 5, 2009

Time: 5 pm

Place: 44 Madison Avenue, Hempstead, NY

The following Members were present and constituted a quorum:

Nicola Ciampone

Mary Ann Ciampone

The meeting was called to order by Nicola Ciampone.

Upon motion duly made and second that Nicola Ciampone was elected as Chairperson/Manager and Mary Ann Ciampone elected as Secretary/Manager.

The meeting then moved to the election of managers. Upon nominations duly made and seconded, the following were elected and qualified:

Operating Manager: Nicola Ciampone

Treasurer/Manager: Mary Ann Ciampone

Secretary/Manager: Mary Ann Ciampone

Upon a motion duly made and seconded, the following resolution was unanimously adopted:

RESOLVED, that each of the forenamed persons be and are hereby elected to the office set opposite (his/her) name, to assume their duties and responsibilities fixed by the Operating agreement.

The operating manager of the Company thereupon assumed the chair, and the Secretary/Manager assumed his/her duty, and presented the following:

(1) Copy of the Articles of Organization.

(2) Copy of the proposed Operating Agreement of the Company

Upon motion duly made, seconded and unanimously carried, it was

RESOLVED, that the Articles of Organization and the Operating Agreement be, and that they hereby are ratified, approved, and adopted by the Members.

The Secretary/Manager submitted the company seal proposed for use by the Company. Upon motion duly made, seconded and unanimously carried, it was

RESOLVED, That the form of seal submitted is hereby approved and adopted as the Company seal of this Limited Liability Company, and an impression thereof be made on the margin of these minutes.

Presented next was the specimen copy of the proposed membership certificate which represents ownership interest in the company. Upon motion duly made, seconded and unanimously carried, it was

RESOLVED, that the specimen form of a proposed certificate represented at this meeting, is approved and adopted as the certificate to represent the ownership of an interest in the Company; and further

RESOLVED, that the specimen certificate so presented to the meeting be attached to the minutes thereof.

There was a proposal presented at the meeting to issue units of ownership in the Company.

The banking arrangements of the Company were then discussed. After the discussion was complete, on motion duly made, seconded and carried, a proposed Secretarial Certificate to be furnished to _____ was unanimously approved and the resolutions set forth in such certificate were unanimously adopted. A conformed copy of such Secretarial Certificate was ordered annexed to the minutes of the meeting.

Upon motion duly unanimously made, carried and seconded, it was

RESOLVED, that upon receipt of consideration therefor certificates representing ownership in the Company be issued by the Secretary/manager to:

Name & Address	**Interest in the Company**
Nicola Ciampone	50%
Mary Ann Ciampone	50%

RESOLVED, managers of the Company be authorized, empowered and directed to take any action to execute and deliver any and all instruments in connection with carrying out the above resolutions.

There being no further business to come before the meeting, upon motion duly made, seconded and unanimously adopted, the meeting was adjourned.

Secretary/Member Mary Ann Ciampone

Attest:

Members:

NICOLA CIAMPONE

MARY ANN CIAMPONE

OPERATING AGREEMENT
OF

FILDON LLC

NEW YORK STATE LIMITED LIABILITY COMPANY

This Operating Agreement effective as of this day 5th of June 2009 by, between and among the undersigned confirms our understanding as to the matters contained herein.

The parties hereto agree as follows:

ARTICLE I
Definitions

The following terms and phrases shall have the meanings indicated:

A. "Act" shall mean the New York Limited Liability Company Act, as amended.

B. "Capital Account" shall mean, with respect to each Member, the account established for each Member pursuant to Article VI, which will initially equal the Capital Contributions of such Member and will be (a) increased by the amount of Net Profits allocated to such Member and (b) reduced by the amount of Net Losses allocated to such Member and the amount of Cash Flow distributed to such Member. Members' Capital Accounts shall be determined and maintained in accordance with the rules of paragraph (b)(2)(iv) of Regulation Section 1.704-1 of the Code.

C. "Capital Contributions" shall mean the fair market value of the amounts contributed by the Members pursuant to Article VI (B).

D. "Cash Flow" shall have the meaning provided in Article VII (A).

E. "Code" shall mean the Internal Revenue Code of 1986, as amended, or corresponding provisions of subsequent revenue laws.

F. "Operating Managers" shall mean the Member or Members selected by the Members in accordance with this Agreement to serve as Operating Manager or Operating Managers of the Company.

G. "Members" shall mean the persons designated as such in this Agreement, any successor(s) to their interests as such in the Company; and any other person who pursuant to this Agreement shall become a Member, and any reference to a "Member" shall be to any one of the then Members.

H. "Net Profits" and "Net Losses" shall mean the net profit or net loss, respectively, of the Company determined in accordance with Article VIII.

I. The words "membership interest" shall mean a Member's interest in the Company which shall be in proportion to his share of the current profits of the Company determined in accordance with Section 503 of the Act which states that profits and losses shall be allocated on the basis of the value of the contributions of each Member as stated in the Operating Agreement .A "majority in interest of the Members" and "two-thirds in interest of the Members" shall mean Members whose aggregate share of the current profits of the Company constitute more than one-half or two-thirds, respectively, of the aggregate shares of all of the Members.

J. "Company" shall mean this Limited Liability Company.

K. "Person" shall mean any natural person, corporation, partnership, joint venture, association, limited liability company or other business or legal entity.

ARTICLE II
Organization of the Company

A. The purpose of the Company is to conduct any lawful business for which limited liability companies may be organized and to do all things necessary or useful in connection with the foregoing.

B. The Company name shall be FILDON LLC. The Members shall be Members in the Company and shall continue to do business under the name until the Operating Managers shall change the name or the Company shall terminate.

C. The principal address of the Company shall be 44 Madison Avenue, Hempstead, NY. or such other place or places as the Operating Managers may determine. The Operating Managers will give notice to the Members promptly after any change in the location of the principal office of the Company.

D. The Company shall ~~terminate on~~ be perpetual except that the Company may terminate prior to such date as provided in this Agreement.

ARTICLE III
Status of Members

A. No Member will be bound by, or be personally liable for the expenses, liabilities or obligations of the Company.

B. No Member will be entitled to withdraw any part of his Capital Account or to receive any distributions from the Company except as expressly provided in this Agreement.

C. No Member will have the right to require partition of the Property or to compel any sale or appraisal of the Company's assets or any sale of a deceased Member's interest in the Company's assets, notwithstanding any provision of law to the contrary.

ARTICLE IV

Meeting of Members

A. An annual meeting of Members shall be held within five (5) months after the close of the fiscal year of the Company on such date and at the time and place (either within or without the State of its organization) as shall be fixed by the Members. At the annual meeting, the Members shall elect the Operating Managers and transact such other business as may properly be brought before the meeting.

B. A special meeting of Members may be called at any time by the Operating Managers and shall be called by the Operating Managers at the request in writing of a majority in interest of the Members entitled to vote at such meeting. Any such request shall state the purpose or purposes of the proposed meeting. Business transacted at any special meeting of Members shall be confined to the purposes set forth in the notice thereof.

C. Written notice of the time, place and purpose of every meeting of Members (and, if other than an annual meeting, the person or persons at whose discretion the meeting is being called), shall be given by the Operating Managers to each Member of record entitled to vote at such meeting, not less than ten nor more than sixty days prior to the date set for the meeting. Notice shall be given either personally or by mailing said notice by first class mail to each Member at his address appearing on the record book of the Company or at such other address supplied by him in writing to the Operating Managers of the Company for the purpose of receiving notice. A written waiver of notice setting forth the purposes of the meeting for which notice is waived, signed by the person or persons entitled to such notice, whether before or after the time of the meeting stated therein, shall be deemed equivalent to the giving of such notice. The attendance by a Member at a meeting either in person or by proxy without protesting the lack of notice thereof shall constitute a waiver of notice of such Member. All notices given with respect to an original meeting shall extend to any and all adjournments thereof and such business as might have been transacted at the original meeting may be transacted at any adjournment thereof; no notice of any adjourned meeting need be given if an announcement of the time and place of the adjourned meeting is made at the original meeting.

D. The holders of a majority in interest of the Members present in person or represented by proxy, shall be requisite and shall constitute a quorum at all meetings of members except as otherwise provided by statute or the Articles of Organization. If, however, a quorum shall not be present or represented at any meeting of Members, the Members entitled to vote thereat, present in person or represented by proxy, shall have power to adjourn the meeting from time to time, without notice other than announcement at the meeting, until a quorum shall be present or represented. At such adjourned meeting at which a quorum shall be present or represented, any business may be transacted which might have been transacted at the meeting as originally notified. When a quorum is once present to organize a meeting, such quorum is not deemed broken by the subsequent withdrawal of any Members.

E. Every Member entitled to vote at any meeting shall be entitled to vote in accordance with his membership interest in the Company held by him of record on the date fixed as the record date for said meeting and may so vote in person or by proxy. Any Company action shall be authorized by a majority in interest of the votes cast by the Members entitled to vote thereon except as may otherwise be provided by statute, the Articles of Organization or this Operating Agreement.

F. Every proxy must be signed by the Member entitled to vote or by his duly authorized attorney-in-fact and shall be valid only if filed with the Operating Managers of the Company prior to the commencement of voting on the matter in regard to which said proxy is to be voted. No proxy shall be valid after the expiration of eleven months from the date of its execution unless otherwise expressly provided in the proxy. Every proxy shall be revocable at the pleasure of the person executing it except as otherwise provided by statute. Unless the proxy by its terms provides for a specific revocation date and except as otherwise provided by statute, revocation of a proxy shall not be effective unless and until such revocation is executed in writing by the Member who executed such proxy and the revocation is filed with the Operating Managers of the Company prior to the voting of the proxy.

G. All meetings of Members shall be presided over by the Operating Managers, or if not present, by a Member thereby chosen by the Members at the meeting. The Operating Managers or the person presiding at the meeting shall appoint any person present to act as secretary of the meeting.

H. For the purpose of determining the Members entitled to notice of, or to vote at any meeting of Members or any adjournment thereof or to express consent or dissent from any proposal without a meeting, or for the purpose of determining the Members entitled to receive payment of any distribution of Cash Flow or the allotment of any rights, or for the purpose of any other action, the Members may fix, in advance, a date as the record date for any

such determination of Members. Such date shall not be more than fifty nor less than ten days before the date of any meeting nor more than fifty days prior to any action taken without a meeting, the payment of any distribution of Cash Flow or the allotment of any rights, or any other action. When a determination of Members of record entitled to notice of, or to vote at any meeting of Members has been made as provided in this Section, such determination shall apply to any adjournment thereof, unless the Members fix a new record date under this Section for the adjourned date.

I. The Company shall be entitled to treat the holder of record of any membership interest as the holder in fact thereof and, accordingly, shall not be bound to recognize any equitable or other claim to or interest in such membership interest on the part of any other person whether or not it shall have express or other notice thereof, except as otherwise provided by the Act.

ARTICLE V
Management

A. Management of the Company shall be vested in all of the Members who shall also serve as Operating Managers of the Company. The Operating Managers shall vote in proportion to their Membership Interests in the Company. Except as otherwise provided in this Agreement, all decisions of the Operating Managers shall be by a majority in interest of the Members. All Operating Managers must be Members of the Company. No Member will take part in or interfere in any manner with the conduct or control of the business of the Company or have any right or authority to act for or bind the Company except as provided in this Agreement.

B. The Operating Managers shall hold office for the term for which elected and until a successor has been elected and qualified. A vacancy in the office of Operating Manager arising from any cause may be filled for the unexpired portion of the term by the Members.

C. Any Operating Manager may resign at any time by giving written notice to the Members. Any such resignation shall take effect at the time specified therein or, if the time is not specified therein, upon the receipt thereof, irrespective of whether any such resignations shall have been accepted.

D. The Company shall be managed by the Operating Managers and the conduct of the Company's business shall be controlled and conducted solely and exclusively by the Operating Managers in accordance with this Agreement. In addition to and not in limitation of any rights and powers conferred by law or other provisions of this Agreement, the Operating Managers shall have and may exercise on behalf of the Company all powers and rights necessary, proper, convenient or advisable to effectuate and carry out the purposes, business and objectives of the Company, and to maximize Company profits. Such powers shall include, without limitation, the following:

1) To open accounts and deposit and maintain funds in the name of the Company in banks or savings and loan associations;
2) To determine the appropriate accounting method or methods to be used by the Company;
3) To commence lawsuits and other proceedings;
4) To retain accountants, attorneys or other agents to act on behalf of the Company;
5) To execute, acknowledge and deliver any and all instruments to effectuate the foregoing, and to take all such action in connection therewith as the Operating Managers deem necessary or appropriate.

E. Notwithstanding the foregoing, the Operating Managers may not make any of the following management decisions without obtaining the consent of two-thirds in interest of the Members:

1) To acquire, sell, assign, or otherwise transfer any interest in any property;
2) To create any indebtedness for borrowed money whether or not secured;
3) To make, execute or deliver on behalf of the Company any assignment for the benefit of creditors or any guarantee, indemnity bond, or surety bond;
4) To obligate the Company or any Member as a surety, guarantor or accommodation party to any obligation;
5) To confess any judgment on behalf of the Company;
6) To do any act which makes it impossible to carry on the ordinary business of the Company;
7) To make any decisions regarding any employee;
8) To obligate the Company in any manner for a liability in excess of $10,000.

F. The Operating Manager shall serve as Tax Matters Member as such term is defined in Code Section 6231 (a)(7).

G. Any person made or threatened to be made a party to an action or proceeding, whether civil or criminal, by reason of the fact that he, his testator or intestate, then, is, or was a manager, Member, employee or agent of the Company, or then serves or has served on behalf of the company in any capacity at the request of the Company, shall be indemnified by the Company against reasonable expenses, judgments, fines and amounts actually and necessarily incurred in connection with the defense of such action or proceeding or in connection with an appeal therein, to the fullest extent permissible by the Act. Such right of indemnification shall not be deemed exclusive of any other rights to which such person may be entitled.

ARTICLE VI
Capital

A. The Members have contributed to the Company in exchange for their membership interests, their cash interest and other property as set forth on Schedule A, annexed hereto.

B. The fair market value and the adjusted basis of the contributing Member of any property other than cash contributed to the Company by a Member shall be set forth on Schedule A, annexed hereto.

C. Except as expressly provided in this Agreement, no Member shall be required to make any additional contributions to the capital of the Company.

D. No interest shall be paid on the Capital Account of any Member.

E. A Capital Account shall be established for each Member on the books and records of the Company in accordance with Article I (B). If any assets of the Company are distributed to the Members in kind, the Capital Accounts of the Members shall be adjusted to reflect the difference between the fair market value of such assets on the date of distribution and the basis of the Company in such assets.

ARTICLE VII
Distributions of Cash

A. The Company shall distribute to the Members from time to time all cash (regardless of the source thereof) of the Company which is not required for the operation or the reasonable working capital requirements of the Company, (such cash is sometimes referred to herein as "Cash Flow"). For purposes of this Agreement all Cash Flow allocated to the Members shall be allocated among them in the ratio in which the total Capital Contributed by each Member on the last day of each calendar month during the year bears to the total Capital Contributed by all Members on such date without regard to the number of days during such month in which such a person was a Member.

B. Distributions of Cash Flow shall be made from time to time in such manner as determined by the Operating Managers.

ARTICLE VIII

Profits and Losses

A. The Net Profits and Net Losses of the Company shall be the net profits and net losses of the Company as determined for Federal income tax purposes.

B. The Net Profits and Net Losses of the Company and each item of income, gain, loss, deduction or credit entering into the computation thereof, shall be allocated to the Members in the same proportions that they share in distributions of Cash Flow pursuant to Article VII (A), or if there is no Cash Flow, that they would have shared if there had been Cash Flow.

C. References herein to "Reg. Sec.", are to the regulations promulgated by the United States Treasury to the Code. The terms "minimum gain", "minimum gain chargeback", "qualified income offset" and "nonrecourse deduction" are to be interpreted consistent with the definitions of such terms in Reg. Sec. 1-704-2. "Nonrecourse liability" means any liability with respect to which no Member bears the risk of loss under Code Section 752. The following special allocations shall be made in the following order:

1. Except as otherwise set forth in Reg. Sec. 1.704-2(f), if there is a net decrease in minimum gain, during the fiscal year of the Company, each Member, shall be specially allocated items of gross income and gain for such fiscal year (and, if necessary, subsequent fiscal years) in an amount equal to that Member's share of the net decrease of minimum gain determined in accordance with Reg. Sec. 1.704-2(g). Allocations in accordance with this Section shall be made first from the disposition of Company assets subject to nonrecourse liabilities, to the extent of the minimum gain attributable to those assets, and thereafter, from a pro-rata portion of the Company's other items of income and gain for the taxable year. This Section is intended to comply with the minimum gain chargeback requirement of Reg. Sec. 1.704-2(f).

2. Except as otherwise set forth in Reg. Sec. 1.704-2(i)(4), if there is a net decrease in a Member's nonrecourse liability minimum gain attributable to Members' nonrecourse liabilities during any fiscal year, each Member who has a share of the Member nonrecourse liability minimum gain attributable to Member nonrecourse liability shall be specially allocated items of gross income and gain for such fiscal year (and, if necessary, subsequent fiscal years)in an amount equal to that Member's share of the net decrease in Members' nonrecourse debt minimum gain attributable to such Member nonrecourse debt. Allocations pursuant to this Section shall be made first from gain recognized from the disposition of Company assets subject to Member nonrecourse liabilities to the extent of Member minimum gain attributable to those

assets, and thereafter, from a pro-rata portion of the Company's other items of income and gain for the fiscal year. This section is intended to comply with the minimum gain chargeback requirements of Reg. Sec. 1.704-2(i).

3. A Member who unexpectedly receives an adjustment, allocation or distribution described in (4), (5) or (6) of Reg. Sec. 1.704-1(b)(2)(ii)(d) will be allocated items of income and gain in an amount and manner sufficient to eliminate such deficit balance as quickly as possible. An allocation shall be made pursuant to this Section and if and to the extent a Member would have a deficit in his adjusted Capital Account after all other allocations provided for in this Section 8.3 were made as if this paragraph were not in the agreement.

4. Nonrecourse deductions shall be allocated among the Members in the same proportion in which they share the Cash Flow of the Company.

5. Any nonrecourse deduction shall be allocated to any Member who bears the economic risk of loss with respect to the Member nonrecourse liability to which such deduction is attributable.

D. Any Company gain or loss realized with respect to property, other than money, contributed to the Company by a Member shall be shared among the Members pursuant to Code section 704(c) and regulations to be promulgated thereunder so as to take account of the difference between the Company basis and the fair market value of the property at the time of the contribution ("built-in gain or loss"). Such built-in gain or loss shall be allocated to the contributing Member upon the disposition of the property.

ARTICLE IX
Admission and Withdrawal of a Member

A. A Member may transfer his interest in the Company to another person or entity only with the prior unanimous consent of the other Members either in writing or at a meeting called for such purpose. If all of the other Members do not approve of the transfer, the transferee shall have no right to participate in the management of the business and affairs of the Company or to become a Member. The transferee shall be entitled to receive the share of profits, losses and Cash Flow or other compensation by way of income and the return of contributions to which the transferor otherwise would be entitled.

B. The Members agree to sign such additional documents as may be required in order to admit additional Members to the Company, as well as, among other things, to provide for the division of profits, losses and Cash Flow among the Members.

C. All costs and expenses incurred by the Company in connection with the assignment of a Member's interest, including any filing fees and publishing costs and the fees and disbursements of counsel, shall be paid by the assigning Member.

D. Each person who becomes a Member in the Company, by becoming a Member, shall and does hereby ratify and agree to be bound by the terms and conditions of this Agreement.

ARTICLE X
Termination or Dissolution of Company

A. The Company shall be terminated prior to the date of expiration of the term as provided in Article II (D), if (a) a majority in interest of the Members consent that the Company should be terminated and dissolved, or (b) the Company is dissolved pursuant to this Agreement.

B. The Company shall be terminated in the event any Member (i) withdraws, resigns or is expelled from the Company; (ii) makes an assignment for the benefit of creditors, is the subject of an order for relief under Title 11 of the United States Code, files a petition or answer seeking for himself any reorganization, arrangement, composition, readjustment, liquidation, dissolution, or similar relief under any statute, law or regulation, files an answer or other pleading admitting or failing to contest the material allegations of a petition filed against him in any proceeding of this nature, seeks, consents to, or acquiesces in the appointment of a trustee, receiver or liquidator for all or any substantial part of his properties; (iii) dies; or (iv) a judgment is entered by a court of competent jurisdiction adjudicating him incompetent to manage his person or his property.

C. If the Company is dissolved, the owners of a majority in interest of the remaining Members may elect to reconstitute and continue the Company as a successor Company upon the same conditions as are set forth in this Agreement. Any such election to continue the Company will not result in the creation of a new Company among the remaining Members, nor will such election require the amendment of this Agreement or the execution of an amended Agreement.

D. Upon the termination and dissolution of the Company, the then Operating Manager, or Operating Managers, if any, or, if there is no Operating Manager, any person elected to perform such liquidation by the written consent of the owners of a majority in interest of the Members, shall proceed to the liquidation of the Company. The proceeds of such liquidation shall be applied and distributed as follows:

1. If any assets of the Company are to be distributed in kind, such assets shall be distributed on the basis of the fair market value thereof, and any Member entitled to any interest in such assets shall receive such interest therein as a tenant-in-common with all other Members so entitled. The fair market value of such assets shall be determined by an independent appraiser to be selected by the Company's independent public accountants. The amount by which the fair market value of any Property to be distributed in kind to the Members exceeds or is less than the basis of such Property, shall, to the extent not otherwise recognized by the Company, be taken into account in computing Net Profits or Net Losses (and shall be allocated among the Members in accordance with Article VIII (B) for purposes of crediting or charging the Capital Accounts of, and liquidating distributions to, the Members.

2. All distributions upon liquidation of the Company shall be distributed as follows: to each of the Members, in proportion to the amounts of their respective positive Capital Accounts, as such accounts have been adjusted (i) in accordance with Article VIII, to reflect the Net Profit or Net Loss realized or incurred upon the sale of the Company's property or assets and; (ii) in accordance with Article VIII (B), to reflect all Net Profits or Net Losses with respect to the year of liquidation. No Member shall be liable to repay the negative amount of his Capital Account.

E. Each of the Members shall be furnished with a statement, reviewed by the Company's independent public accountants, which shall set forth the assets and liabilities of the Company as of the date of the Company's liquidation. Upon completion of the liquidation, the Operating Managers shall execute and cause to be filed Articles of Dissolution of the Company and any and all other documents necessary with respect to termination of the Company.

ARTICLE XI
Books and Reports

A. The Operating Managers shall cause the Company to maintain the following records:

1. Complete and accurate books of account, in which shall be entered, fully and accurately, each and every transaction of the Company, shall be kept by the Operating Managers at the principal office of the Company. The fiscal year of the Company shall be the calendar year. The books of account of the Company shall be kept in accordance with sound accounting practices and principles applied in a consistent manner by the Company; provided, however, that all methods of accounting and treating particular transactions shall be in accordance with the methods of accounting employed for Federal income tax purposes. All determinations by the Operating Managers with respect to the treatment of any item or its allocation for Federal, state or local tax purposes shall be binding upon all the Members unless the determination is inconsistent with any express provision of this Agreement.

2..A current list of the full name and last known mailing address of each Member set forth in alphabetical order together with the contribution and share in profits and losses of each Member; a copy of the Articles of Organization of the Limited Liability Company and any amendments thereto; a copy of the Limited Liability Company Operating Agreement and any amendments thereto; a copy of the Limited Liability Company's federal, state and local income tax returns for the three most recent fiscal years.

3. Any Member shall have the right from time to time at his expense to have his accountants and representatives examine and/or audit the books and records of the Company and the information referred to in this Section, and the Operating Managers will make such books and records and information available for such examinations and/or audits.

B. No value shall be placed for any purpose upon the Company name or the right to its use, or upon the goodwill of the Company or its business. Upon termination or dissolution of the Company (without reconstitution thereof) as provided in this Agreement, neither the Company name or the right to its use, nor the goodwill of the Company, shall be considered as an asset of the Company.

C. The Operating Managers will cause to be sent to the Members within a reasonable period after the close of each year the following: (a) annual statements of the Company's gross receipts and operating expenses, and the capital accounts of each Member, prepared by the Company's independent public accountants, to be transmitted to each Member; and (b) a report to be transmitted to each Member indicating the Member's share of the Company's profit or loss for that year and the Member's allocable share of all items of income, gain, loss, deduction, and credit, for Federal income tax purposes.

ARTICLE XII
Tax Elections

A. In the event of a transfer of a Member's interest, or upon the death of a Member, or in the event of the distribution of Company property to any party hereto, the Company may (but need not necessarily) file an election, in accordance with Section 754 of the Code to cause the basis of the Company Property to be adjusted for Federal income tax purposes, as provided by Sections 734 and 743 of the Code.

ARTICLE XIII

Miscellaneous

A. Any notice or other communication under this Agreement shall be in writing and shall be considered given when mailed by registered or certified mail, return receipt requested, to the parties at the following addresses (or at such other address as a party shall have previously specified by notice to the others as the address to which notice shall be given to him):

1. If to the Company, to it in care of the Operating Managers at the address of the Company.
2. If to the Operating Managers, to them at the address of the Company.
3. If to any Member, to him at his address set forth on the books and records of the Company.

B. This Agreement contains a complete statement of all of the arrangements among the parties with respect to the Company and cannot be changed or terminated orally or in any manner other than by a written agreement executed by all of the Members. There are no representations, agreements, arrangements or understandings, oral or written, between or among the parties relating to the subject matter of this Agreement which are not fully expressed in this Agreement.

C. This Agreement shall be construed without regard to any presumption or other rule requiring construction against the party causing this Agreement to be drafted.

D. This Agreement is intended to be performed in accordance with, and only to the extent permitted by, all applicable laws, ordinances, rules and regulations of the jurisdiction in which the Company does business. If any provision of this Agreement, or the application thereof to any person or circumstance, shall for any reason and to any extent, be invalid or unenforceable, the remainder of this Agreement and the application of that provision to other persons or circumstances shall not be affected, but rather shall be enforced to the extent permitted by law.

E. Anything hereinbefore in this Agreement to the contrary notwithstanding, all references to the Property of the Company are deemed to include the profits, losses and Cash Flow of the Property.

F. Irrespective of the place of execution or performance, this Agreement shall be governed by and construed in accordance with the laws of the State of New York applicable to agreements made and to be performed in the State of New York.

G. The captions, headings and table of contents in this Agreement are solely for convenience of reference and shall not affect its interpretation.

H. This Agreement may be executed in any number of counterparts, each of which shall be an original but all of which shall be deemed to constitute a single document.

I. Whenever the context so requires, the male gender when used herein shall be deemed to include the female gender, the female gender shall be deemed to include the male gender, the singular shall be deemed to include the plural and the plural shall be deemed to include the singular.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement effective as of the day and year first above written:

Signed: _____
Member/Manager

_____
MEMBER/MANAGER

NUMBER 1

Organized under the laws of the State of New York

UNITS 10

FILDON LLC

MEMBERSHIP CERTIFICATE

See Reverse for Certain Definitions

This Certifies that NICOLA CIAMPONE

is a member of the above named Limited Liability Company and is entitled to the full benefits and privileges of such membership, subject to the duties and obligations, as more fully set forth in the Limited Liability Company Operating Agreement.

In Witness Whereof *the Limited Liability Company has caused this Certificate to be executed by its duly authorized members this* 5th *day of* JUNE, 2009, *and its Limited Liability Company seal to be hereunto affixed.*

Maryann Ciampone

Nicola Ciampone

CORPKIT, NEW YORK

NUMBER 2

Organized under the laws of the State of New York

UNITS 10

FILDON LLC

MEMBERSHIP CERTIFICATE

See Reverse for Certain Definitions

This Certifies that MARY ANN CIAMPONE

is a member of the above named Limited Liability Company and is entitled to the full benefits and privileges of such membership, subject to the duties and obligations, as more fully set forth in the Limited Liability Company Operating Agreement.

In Witness Whereof *the Limited Liability Company has caused this Certificate to be executed by its duly authorized members this* 5th *day of* JUNE, 2009, *and its Limited Liability Company seal to be hereunto affixed.*

Mary Ann Ciampone

Dale M

CORPKIT, NEW YORK

ENVIRONMENTAL EASEMENTGRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this _____day of _____, 20__, between Owner(s)Fidlon, LLC, having an office at44 Madison Avenue, Hempstead, County ofNassau, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 48 Sewell Streetin the TownofHempstead, County ofNassauand State of New York, known and designated on the tax map of the County Clerk ofNassau as tax map parcel numbers: Section35 Block638 Lots21-28, being the same as that property conveyed to Grantor by deed dated October 3, 2009 and recorded in the NassauCounty Clerk's OfficeinLiber and Page12556/0013.The property subject to this Environmental Easement (the "Controlled Property")comprisesapproximately0.37+/- acres, and is hereinafter more fully described in the Land Title Survey dated December 9, 2014 prepared byMunicipal Land Survey, P.C., which will be attached to the Site Management Plan.The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the

terms and conditions of Brownfield Cleanup Agreement Index Number:W1-1141-09-07, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement")

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in theSite Management Plan (SMP);

(3) All Engineering Controls must be inspected at afrequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatmentas determined by the NYSDOH or the Nassau County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Propertymust be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminatedmaterial must be conducted in accordance with the SMP;

(8) Monitoringto assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performedas defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential or Restricted Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i) and (ii),and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall,at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individualset forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved b the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5 the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completionwith respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Site Number: C130143
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of EnvironmentalConservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or

counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Fildon, LLC:

By: _____

Print Name: NICOLA CIAMPONE

Title: PRES. Date: 12/11/14

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF NASSAU)

On the 11 day of DECEMBER, in the year 20 14, before me, the undersigned, personally appeared NICOLA CIAMPONE, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public - State of New York

SOFIA GIANNOULIS
Notary Public, State of New York
Qualified in Nassau County
No. 01GI6263432
My Commission Expires 06/11/2016

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservationas Designee of the Commissioner,

By: _____
Robert W. Schick,Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the _____ day of _____, in the year 20__, before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

SCHEDULE "A" PROPERTY DESCRIPTION

All that certain plot, piece or parcel of land, situate, lying and being in the Incorporated Village of Hempstead, County of Nassau and State of New York, known and Designated by Lots numbered 21 to 28 inclusive in Block 9, on a certain map entitled: "Amended Map of Hempstead City Park, situated at Hempstead, N.Y., owned by the Pierce Home Land Corporation, 116 West 32nd Street, N.Y.C., surveyed by Van DerWerken & Kuehnle, C.E. and S., Lynbrook and Long Beach in September 1926," and filed in the Nassau County Clerk's Office on October 4, 1926 as Map 616, Case Number 688.

Said Parcel Being more particularly bounded and described as follows:

Beginning at the corner formed by the intersection of the Southerly side of Sewell Street and the Westerly side of Mirschel Street;

Running thence South 87°20'30" East a distance of 160.00 feet;

Thence South 02°39'30" West a distance of 100.00 feet;

Thence North 87°20'30" West a distance of 160.00 feet;

Thence North 02°39'30" East a distance of 100.00 feet to the corner and the point or place of Beginning;

Said parcel containing 16,000 S.F. or 0.37 acres more or less.

ENVIRONMENTAL EASEMENTGRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this _____day of _____, 20__, between Owner(s)Fidlon, LLC, having an office at44 Madison Avenue, Hempstead, County ofNassau, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 48 Sewell Streetin the TownofHempstead, County ofNassauand State of New York, known and designated on the tax map of the County Clerk ofNassau as tax map parcel numbers: Section35 Block638 Lots21-28, being the same as that property conveyed to Grantor by deed dated October 3, 2009 and recorded in the NassauCounty Clerk's OfficeinLiber and Page12556/0013.The property subject to this Environmental Easement (the "Controlled Property")comprisesapproximately0.37+/- acres, and is hereinafter more fully described in the Land Title Survey dated December 9, 2014 prepared byMunicipal Land Survey, P.C., which will be attached to the Site Management Plan.The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the

terms and conditions of Brownfield Cleanup Agreement Index Number:W1-1141-09-07, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement")

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in theSite Management Plan (SMP);

(3) All Engineering Controls must be inspected at afrequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatmentas determined by the NYSDOH or the Nassau County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Propertymust be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminatedmaterial must be conducted in accordance with the SMP;

(8) Monitoringto assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performedas defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential or Restricted Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i) and (ii),and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall,at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individualset forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved b the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5 the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completionwith respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Site Number: C130143
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of EnvironmentalConservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or

counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Fildon, LLC:

By: _____

Print Name: NICOLA CIAMPONE

Title: PRES. Date: 12/11/14

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF NASSAU)

On the 11 day of DECEMBER, in the year 20 14, before me, the undersigned, personally appeared NICOLA CIAMPONE, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public - State of New York

SOFIA GIANNOULIS
Notary Public, State of New York
Qualified in Nassau County
No. 01GI6263432
My Commission Expires 06/11/2016

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservationas Designee of the Commissioner,

By: _____
Robert W. Schick,Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the _____ day of _____, in the year 20__, before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

SCHEDULE "A" PROPERTY DESCRIPTION

All that certain plot, piece or parcel of land, situate, lying and being in the Incorporated Village of Hempstead, County of Nassau and State of New York, known and Designated by Lots numbered 21 to 28 inclusive in Block 9, on a certain map entitled: "Amended Map of Hempstead City Park, situated at Hempstead, N.Y., owned by the Pierce Home Land Corporation, 116 West 32nd Street, N.Y.C., surveyed by Van DerWerken & Kuehnle, C.E. and S., Lynbrook and Long Beach in September 1926," and filed in the Nassau County Clerk's Office on October 4, 1926 as Map 616, Case Number 688.

Said Parcel Being more particularly bounded and described as follows:

Beginning at the corner formed by the intersection of the Southerly side of Sewell Street and the Westerly side of Mirschel Street;

Running thence South 87°20'30" East a distance of 160.00 feet;

Thence South 02°39'30" West a distance of 100.00 feet;

Thence North 87°20'30" West a distance of 160.00 feet;

Thence North 02°39'30" East a distance of 100.00 feet to the corner and the point or place of Beginning;

Said parcel containing 16,000 S.F. or 0.37 acres more or less.

LAW OFFICE OF
THOMAS W. RALEIGH
71 HEWLETT DRIVE
SOUND BEACH, NY 11789
(631) 403-6070

FAX: (631) 821-3429
E-MAIL: TWR@TWRLAW.NET

VIA OVERNIGHT COURIER

December 12, 2014

Bradford D. Burns, Senior Attorney
NYS Dept of Environmental Conservation
Office of General Counsel
625 Broadway, 14th Floor
Albany, NY 12233-1500

Re: Fildon, LLC – Environmental Easement Package
Site No: C130143 (48 Sewell Street, Hempstead, NY)
Brownfield Cleanup Agreement Index : W1-1141-09-07

Dear Mr. Burns:

Enclosed please find the final Environmental Easement Package in support of Fildon, LLC's Brownfield Cleanup Agreement. The following documents are enclosed:

1. Two (2) original signed Easements, executed on behalf of Fildon, LLC (electronic version sent via e-Mail);
2. Copy of current deed;
3. Copy of applicable tax map;
4. Proof of authority to obligate owner;
5. Legal description of subject property (Word format send via e-mail);
6. Two (2) signed Surveys (electronic version sent via e-Mail);
7. Draft Notice to Municipality (Word format send via e-mail); and
8. Signed Attorney Checklist.

Thank you for your assistance in this matter. Please free to contact me if you have any questions regarding this submittal.

Very truly yours,

Thomas W. Raleigh

THOMAS W. RALEIGH

Encl.

cc: Kerry Maloney (via e-mail)

CURRENT DEED

NASSAU COUNTY CLERK'S OFFICE
ENDORSEMENT COVER PAGE

Recorded Date: 11-04-2009
Recorded Time: 3:24:43 p

Liber Book: D 12556
Pages From: 13
To: 15

Record and Return To:
JOSEPH V SCHETTINO ESQ
437 ROCKAWAY AVENUE
VALLEY STREAM, NY 11581

Control
Number: 2344
Ref #: RE 006092
Doc Type: D12 DEED COMMERCIAL/VACANT LAND

Location:	Section	Block	Lot	Unit
HEMPSTEAD (2820)	0035	00638-00	00021	
HEMPSTEAD (2820)	0035	00638-00	00022	
HEMPSTEAD (2820)	0035	00638-00	00023	
HEMPSTEAD (2820)	0035	00638-00	00024	
HEMPSTEAD (2820)	0035	00638-00	00025	

See Attached

Consideration Amount: 825,000.00

	Taxes Total	.00
	Recording Totals	320.00
EXO001	Total Payment	320.00

THIS PAGE IS NOW PART OF THE INSTRUMENT AND SHOULD NOT BE REMOVED
MAUREEN O'CONNELL
COUNTY CLERK

200911040234 4

N 80495

DATE OF TRANSFER: Oct 16, 2009

BARGAIN and SALE DEED with Covenant against Grantor's Acts - Individual or Corporation

This Indenture made the 11 th day of August, Two Thousand and Nine

Between 48 SEWELL STREET, LLC, a domestic limited liability company with its principal place of business located at 12 Jaegger Drive, Old Brookville, New York, party of the first part, and

FILDON, LLC, a domestic limited liability company with its principal place of business located at 44 Madison Avenue, Hempstead, New York, party of the second part,

Witnesseth, that the party of the first part, in consideration of Eight Hundred and Twenty Five Thousand ($825, 000.00) Dollars and other valuable consideration paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever,

All that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Incorporated Village of Hempstead, County of Nassau, and State of New York, known and designated as and by Lots numbered 21 to 28 inclusive in Block 9, on a certain entitled map entitled: "Amended Map of Hempstead City Park, situated at Hempstead, N.Y., owned by the Pierce Home Land Corporation, 116 West 32nd Street, N.Y.C., surveyed by Van DerWerken & Kuehnle, C.E. and S., Lynbrook and Long Beach in September 1926," and filed in the Nassau County Clerk's Office on October 4, 1926 as Map 616, Case Number 688.

BEING AND INTENDED TO BE ~~a portion of~~ the premises conveyed to the party of the first part by deed dated June 26, 2004 and recorded July 22, 2004 in Liber 11814 Page 311.

35 638 21 to 28

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof; **TOGETHER** with the appurtenances and all the estate and rights of the party of the first part in and to said premises; **TO HAVE AND TO HOLD** the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been encumbered in any way whatever, except as aforesaid.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this DEED the day and year first above written.

In presence of:

Henrietta L. Walker co-executor
Henrietta Walker, Co-Executor of the Estate of
Ludwig Husslein, member of 48 Sewell Street LLC

Gary Husslein, Co-Executor
Gary Husslein, Co-Executor of the Estate of
Ludwig Husslein, member of 48 Sewell Street LLC

TO CLERK

STATE OF NEW YORK, COUNTY OF Suffolk

On the 11th day of August, 2009, before me, the undersigned, personally appeared Henrietta Walker, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name are subscribed to the within instrument and acknowledged to me that she executed the same in her capacity, and that by her signature on the instrument, the individual(s), or the person(s) upon behalf of which the individuals acted, executed the instrument.

P. Miranda
NOTARY PUBLIC

P. MIRANDA ICM #01T06166226
Notary Public, State of New York
Qualified in Cattaraugus Co.
My Commission Expires 5/21/2011

RECEIVED IN THIS CONDITION

STATE OF NEW YORK, COUNTY OF NASS

On the 16 day of ~~August,~~ October 2009, before me, the undersigned, personally appeared Gary Husslein, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name are subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual(s), or the person(s) upon behalf of which the individuals acted, executed the instrument.

NOTARY PUBLIC

Maureen Mahoney
State of New York
Qualified in Suffolk County
No. 01MA4996384
Commission Expires May 18, 2010

Bargain and Sale Deed

COVENANT AGAINST GRANTOR'S ACTS

TITLE No. All State Abstract # N80495-04

SECTION 35
BLOCK 638
LOT 21 to 28
COUNTY OR TOWN:
Hempstead

48 SEWELL STREET LLC

TO

FILDON LLC

RETURN BY MAIL TO:

Joseph V. Schettino, Esq.
437 Rockaway Avenue
Valley Stream, New York 11581

RESERVE THIS SPACE FOR USE OF RECORDING OFFICE

TAX MAP

COPYRIGHT 1998 NASSAU COUNTY

60' 30' 0' 60' 120'

SCALE: 1"= 60'

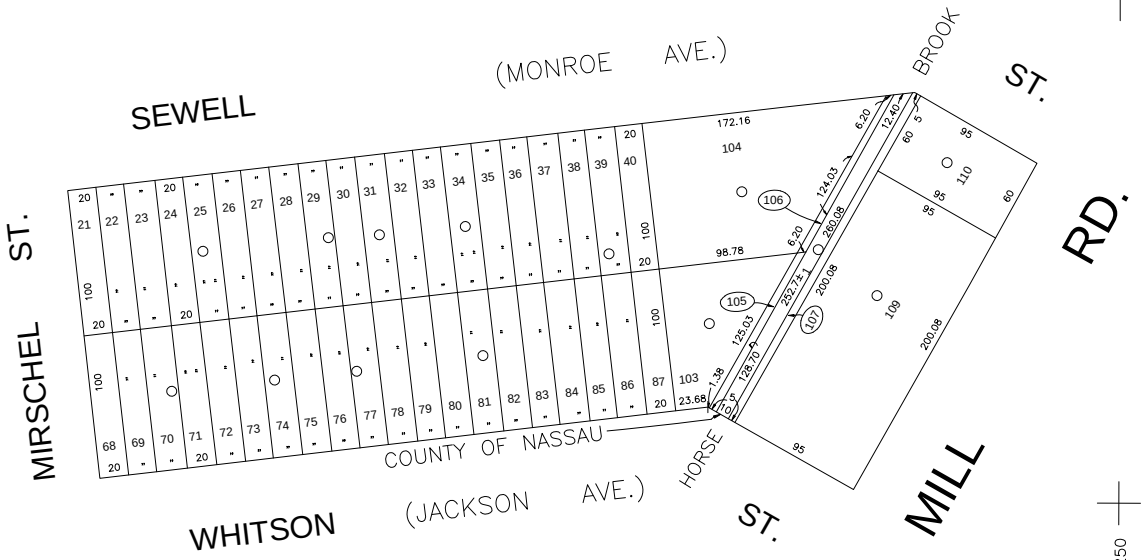
N 173,650

NY PLANE COORDINATE SYSTEM

N 173,300

E 2,102,350

E 2,103,250



LEGEND

COUNTY LINE	
TOWN LINE	
VILLAGE LINE	
SCHOOL DISTRICT LINE	
PROPERTY LINE	
SPECIAL DISTRICT LINE	
BLOCK LIMIT	
LOCATOR POINT	*
TAX MAP PARCEL NO.	246
CALCULATED ACREAGE	75M(C)
DEED ACREAGE	176A
SCALED DIMENSION	327(S)
DEED DIMENSION	185.09

REFERENCE MAPS
MAP NO.

	DIST
POLICE	
WATER	
LIGHTING	
LIBRARY	
FIRE	

	DIST
FIRE PROTECTION	
SANITARY	
REFUSE & GARBAGE	
REFUSE DISPOSAL	
Town of Hempstead	X
SEWAGE COLLECTION	

SPECIAL DISTRICTS

	DIST
PUBLIC PARKING	
SEWER	
Nassau County Sewage Disposal District #2	202
PARK	
IMPROVEMENT	
SIDEWALK	

	DIST
DRAINAGE	
FIRE HYDRANT RENTAL	
GARBAGE	
ESCALATOR	
WATER POLLUTION CONTROL	
Town, County, College, Police HQ	1

MUNICIPALITIES

TOWN OF:
HEMPSTEAD
NORTH HEMPSTEAD
OYSTER BAY
CITY OF:
GLEN COVE
LONG BEACH
VILLAGE OF:

SCHOOL DISTRICT
Hempstead 1

CODE	SPECIAL DISTRICT WITHIN
399	1 202 X

CODE | SPECIAL DISTRICT WITHIN

CODE | SPECIAL DISTRICT WITHIN

Nassau County
Department of Assessment
Charles O'Shea, Chairman
Land & Tax Map

Map Last Revised: JUNE 2, 2003

SEC. 35
BLK. 638

SHEET 1 OF 1

EASEMENT

ENVIRONMENTAL EASEMENTGRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this _____day of _____, 20__, between Owner(s)Fidlon, LLC, having an office at44 Madison Avenue, Hempstead, County ofNassau, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 48 Sewell Streetin the TownofHempstead, County ofNassauand State of New York, known and designated on the tax map of the County Clerk ofNassau as tax map parcel numbers: Section35 Block638 Lots21-28, being the same as that property conveyed to Grantor by deed dated October 3, 2009 and recorded in the NassauCounty Clerk's OfficeinLiber and Page12556/0013.The property subject to this Environmental Easement (the "Controlled Property")comprisesapproximately0.37+/- acres, and is hereinafter more fully described in the Land Title Survey dated December 9, 2014 prepared byMunicipal Land Survey, P.C., which will be attached to the Site Management Plan.The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the

terms and conditions of Brownfield Cleanup Agreement Index Number:W1-1141-09-07, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement")

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in theSite Management Plan (SMP);

(3) All Engineering Controls must be inspected at afrequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatmentas determined by the NYSDOH or the Nassau County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Propertymust be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminatedmaterial must be conducted in accordance with the SMP;

(8) Monitoringto assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performedas defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential or Restricted Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i) and (ii),and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall,at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individualset forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved b the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5 the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completionwith respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Site Number: C130143
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of EnvironmentalConservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or

counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Fildon, LLC:

By: _____

Print Name: NICOLA CIAMPONE

Title: PRES. Date: 12/11/14

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF NASSAU)

On the 11 day of DECEMBER, in the year 20 14, before me, the undersigned, personally appeared NICOLA CIAMPONE, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public - State of New York

SOFIA GIANNOULIS
Notary Public, State of New York
Qualified in Nassau County
No. 01GI6263432
My Commission Expires 06/11/2016

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservationas Designee of the Commissioner,

By: _____
Robert W. Schick,Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the _____ day of _____, in the year 20__, before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

SCHEDULE "A" PROPERTY DESCRIPTION

All that certain plot, piece or parcel of land, situate, lying and being in the Incorporated Village of Hempstead, County of Nassau and State of New York, known and Designated by Lots numbered 21 to 28 inclusive in Block 9, on a certain map entitled: "Amended Map of Hempstead City Park, situated at Hempstead, N.Y., owned by the Pierce Home Land Corporation, 116 West 32nd Street, N.Y.C., surveyed by Van DerWerken & Kuehnle, C.E. and S., Lynbrook and Long Beach in September 1926," and filed in the Nassau County Clerk's Office on October 4, 1926 as Map 616, Case Number 688.

Said Parcel Being more particularly bounded and described as follows:

Beginning at the corner formed by the intersection of the Southerly side of Sewell Street and the Westerly side of Mirschel Street;

Running thence South 87°20'30" East a distance of 160.00 feet;

Thence South 02°39'30" West a distance of 100.00 feet;

Thence North 87°20'30" West a distance of 160.00 feet;

Thence North 02°39'30" East a distance of 100.00 feet to the corner and the point or place of Beginning;

Said parcel containing 16,000 S.F. or 0.37 acres more or less.

ENVIRONMENTAL EASEMENTGRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this _____day of _____, 20__, between Owner(s)Fidlon, LLC, having an office at44 Madison Avenue, Hempstead, County ofNassau, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 48 Sewell Streetin the TownofHempstead, County ofNassauand State of New York, known and designated on the tax map of the County Clerk ofNassau as tax map parcel numbers: Section35 Block638 Lots21-28, being the same as that property conveyed to Grantor by deed dated October 3, 2009 and recorded in the NassauCounty Clerk's OfficeinLiber and Page12556/0013.The property subject to this Environmental Easement (the "Controlled Property")comprisesapproximately0.37+/- acres, and is hereinafter more fully described in the Land Title Survey dated December 9, 2014 prepared byMunicipal Land Survey, P.C., which will be attached to the Site Management Plan.The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the

terms and conditions of Brownfield Cleanup Agreement Index Number:W1-1141-09-07, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement")

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in theSite Management Plan (SMP);

(3) All Engineering Controls must be inspected at afrequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatmentas determined by the NYSDOH or the Nassau County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Propertymust be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminatedmaterial must be conducted in accordance with the SMP;

(8) Monitoringto assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performedas defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential or Restricted Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i) and (ii),and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall,at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individualset forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved b the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5 the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completionwith respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Site Number: C130143
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of EnvironmentalConservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or

counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Fildon, LLC:

By: _____

Print Name: NICOLA CIAMPONE

Title: PRES. Date: 12/11/14

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF NASSAU)

On the 11 day of DECEMBER, in the year 20 14, before me, the undersigned, personally appeared NICOLA CIAMPONE, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public - State of New York

SOFIA GIANNOULIS
Notary Public, State of New York
Qualified in Nassau County
No. 01GI6263432
My Commission Expires 06/11/2016

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservationas Designee of the Commissioner,

By: _____
Robert W. Schick,Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the _____ day of _____, in the year 20__, before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

SCHEDULE "A" PROPERTY DESCRIPTION

All that certain plot, piece or parcel of land, situate, lying and being in the Incorporated Village of Hempstead, County of Nassau and State of New York, known and Designated by Lots numbered 21 to 28 inclusive in Block 9, on a certain map entitled: "Amended Map of Hempstead City Park, situated at Hempstead, N.Y., owned by the Pierce Home Land Corporation, 116 West 32nd Street, N.Y.C., surveyed by Van DerWerken & Kuehnle, C.E. and S., Lynbrook and Long Beach in September 1926," and filed in the Nassau County Clerk's Office on October 4, 1926 as Map 616, Case Number 688.

Said Parcel Being more particularly bounded and described as follows:

Beginning at the corner formed by the intersection of the Southerly side of Sewell Street and the Westerly side of Mirschel Street;

Running thence South 87°20'30" East a distance of 160.00 feet;

Thence South 02°39'30" West a distance of 100.00 feet;

Thence North 87°20'30" West a distance of 160.00 feet;

Thence North 02°39'30" East a distance of 100.00 feet to the corner and the point or place of Beginning;

Said parcel containing 16,000 S.F. or 0.37 acres more or less.

PROOF OF AUTHORITY TO OBLIGATE OWNER

WRITTEN CONSENT OF THE SOLE MANAGER AND MEMBER OF FILDON LLC

The undersigned, Nicola Ciampone, being the sole manager and member of **FILDON LLC**, a New York limited liability company, represents, warrants, covenants, agrees, consents to and adopts the following resolutions:

WHEREAS, the New York State Department of Environmental Conservation (the "Department") and 48 Sewell Street LLC executed a Brownfield Cleanup Agreement for the (former) Husslein Plating Corporation and (former) Sempke Bus Garage, Site No. C130143, Index No. W1-1073-05-08, on February 27, 2006, (the "Agreement"); and

WHEREAS, a Brownfield Cleanup Program amendment application for a change in party (the "Application") was submitted to the Department, requesting an amendment to the Agreement to add Fildon LLC, the Purchaser of the Site, as a Volunteer, to the Agreement; and

WHEREAS, the Department reviewed and accepted the Application and delivered an Amendment to the Agreement (the "Amendment"), to be executed by the authorized representatives of both 48 Sewell Street, LLC and Fildon LLC; and

WHEREAS, the effective date of the Amendment shall be the date it is executed by the Commissioner or the Commissioner's designee; it is hereby:

RESOLVED, that Nicola Ciampone as the sole member/manager of Fildon LLC is hereby authorized and directed to execute, on behalf of Fildon LLC, the Amendment and such agreements, arrangements and understandings respecting the Amendment which are required by the Department.

RESOLVED, that Nicola Ciampone as the sole member/manager of Fildon LLC is authorized, empowered and directed, for and on behalf of Fildon LLC, to execute and deliver to the Department or to any other person, firm or corporation, such documents or instruments as the Department shall require and which it may deem proper and advisable in connection with the Amendment, and to authorize the performance of any obligations required by the Department in connection therewith.

RESOLVED, that Nicola Ciampone as the sole member/manager of Fildon LLC is authorized, empowered, and directed, for and on behalf of Fildon LLC, to bind Fildon LLC and to take all such actions as are requested by the Department to carry out the intent and accomplish the purposes of the foregoing resolutions and the transactions contemplated thereby, the taking of such actions and execution, delivery and certification of the Amendment to be conclusive evidence of such approval.

RESOLVED, that all prior actions and the prior execution of any documents or instruments by Nicola Ciampone on behalf of Fildon LLC in furtherance of the foregoing resolutions are hereby authorized, ratified, confirmed and approved.

IN WITNESS WHEREOF, the undersigned sole manager and member has duly executed this consent as of this 7 day of August, 2009.

FILDON LLC

X By: _____

Nicola Ciampone,
Sole Member/Manager

LEGAL DESCRIPTION

PROPERTY DESCRIPTION

All that certain plot, piece or parcel of land. With the buildings and improvements thereon erected, situate, lying and being in the incorporated Village of Hempstead, County of Nassau, and State of New York, known and designated as and by Lots numbered 21 to 28 inclusive in Block 9, on a certain map entitled: “Amended Map of Hempstead City Park, situated at Hempstead, N.Y., owned by the Pierce Home Land Corporation, 116 West 32nd Street, N.Y.C., surveyed by Van DerWerken & Kuehnle, C.E. and S., Lynbrook and Long Beach in September 1926,” and filed in the Nassau County Clerk’s Office on October 4, 1926 as Map 616, Case Number 688.

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Thence South 02°39’30” West a distance of 100.00 feet;

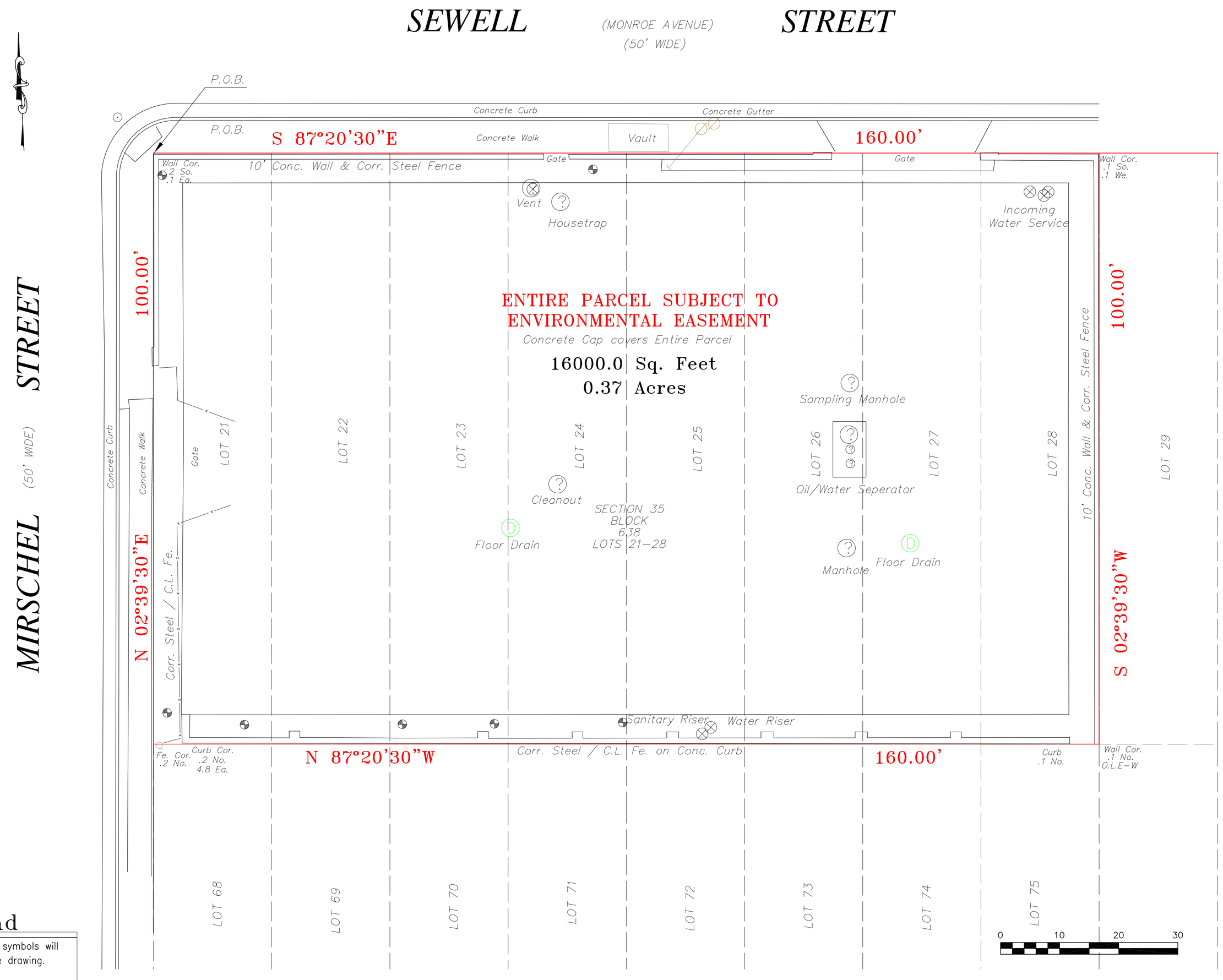
Thence North 87°20’30” West a distance of 160.00 feet;

Thence North 02°39’30” East a distance of 100.00 feet to the corner and the point or place of Beginning;

Said parcel containing 16,000 S.F. or 0.37 acres more or less.

SURVEY

N.C.T.M.# Section 35, Block 638, Lots 21 to 28 Inclusive



Legend

These standard symbols will be found in the drawing.

- Utility Pole
- Monitoring Well
- As per Drawing
- Floor Drain
- As Per Drawing

No.	Date	Revisions
1	12/8/14	Rev. As per DEC Comments

Proj. No. 07012
Dwg. No. 1/1
Scale : 1"= 10'
Date : 11/12/14

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I HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR LICENSED TO PRACTICE IN THE STATE OF NEW YORK, AND THAT THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY PREPARED UNDER MY IMMEDIATE SUPERVISION. I FURTHER DECLARE, TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF, THIS PLAN IS AN ACCURATE REPRESENTATION THE CONDITIONS EXISTING AS OF THE DATE HEREON.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW. COPIES OF THIS SURVEY MAP NOT BEARING THE LAND SURVEYOR'S INKED SEAL OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY.

THIS PROPERTY IS SUBJECT TO AN ENVIRONMENTAL EASEMENT HELD BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PURSUANT TO TITLE 36 OF ARTICLE 71 OF THE NEW YORK ENVIRONMENTAL CONSERVATION LAW. THE ENGINEERING AND INSTITUTIONAL CONTROLS FOR THIS EASEMENT ARE SET FORTH IN THE SITE MANAGEMENT PLAN (SMP). A COPY OF THE SMP MUST BE OBTAINED BY ANY PARTY WITH AN INTEREST IN THE PROPERTY. THE SMP CAN BE OBTAINED FROM NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DIVISION OF ENVIRONMENTAL REMEDIATION, SITE CONTROL SECTION, 625 BROADWAY, ALBANY, NY 12233 OR AT DERWEB@GW.DEC.STATE.NY.US. .

Amended Map of Hempstead City Park Block 9 Lots 21 to 28 Inclusive

Filed: September 3, 1975
Filed Map No.: 6292

Situated at

Inc. Village of Hempstead
Town of Hempstead
Nassau County
New York

Surveyed

October 3, 2014

Legal Description

(Parcel & Easement Description)

Section 35, Block 638
Lots 21-28 Inclusive

All that certain plot, piece or parcel of land, situate, lying and being in the Incorporated Village of Hempstead, County of Nassau and State of New York, known and Designated by Lots Numbered 21-28 Inclusive in Block 9, on a certain Map entitled :Amended Map of Hempstead City Park, situated at Hempstead, N.Y., owned by Pierce Home Land Corporation, 116 West 32nd Street, N.Y.C., surveyed by Van DerWerken & Kuehnle, C.E and L.S., Lynbrook and Long Beach in September 1926," and filed in the Nassau County Clerk's office on October 4, 1926 as Map 616, Case Number 688.

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Thence North 02°39'30" East a distance of 100.00 feet to the corner and the point or place of Beginning.

Said parcel containing 16,000 S.F. or 0.37 Acres.

General Notes

Field Survey Performed October 3, 2014
No Visible ponds, lakes, rivers or water coures on parcel
Entire parcel covered with a concrete slab (cap)

Certified to:

NYS Department of Environmental Conservation

STATE OF NEW YORK ROBERT W. OTT No. 49670 LICENSED LAND SURVEYOR

Robert W. Ott L.S.

MUNICIPAL LAND SURVEY P.C.
10 SYLVIA LANE
MIDDLE ISLAND, NEW YORK, 11953
(631) 345-2658

DRAFT NOTICE TO MUNICIPALITY

Notice to Municipality

Date

Hempstead Town Clerk
One Washington Street
First Floor
Hempstead, NY 11550

Re: Environmental Easement

Dear Sir or Madam:

Attached please find a copy of an environmental easement granted to the New York State Department of Environmental Conservation ("DEC") on _____, by Fildon, LLC, for property at 48 Sewell Street, Hempstead, NY, Tax Map No.: Sect. 35, Block 638, Lots 21-28, DEC Site No: C130143.

This Environmental Easement restricts future use of the above-referenced property to restricted residential, commercial or industrial uses. Any on-site activity must be done in accordance with the Environmental Easement and the Site Management Plan which is incorporated into the Environmental Easement. (Department approval is also required prior to any groundwater use.)

Article 71, Section 71-3607 of the New York State Environmental Conservation Law requires that:

1. Whenever the department is granted an environmental easement, it shall provide each affected local government with a copy of such easement and shall also provide a copy of any documents modifying or terminating such environmental easement.
2. Whenever an affected local government receives an application for a building permit or any other application affecting land use or development of land that is subject to an environmental easement and that may relate to or impact such easement, the affected local government shall notify the department and refer such application to the department. The department shall evaluate whether the application is consistent with the environmental easement and shall notify the affected local government of its determination in a timely fashion, considering the time frame for the local government's review of the application. The affected local government shall not approve the application until it receives approval from the department.

An electronic version of every environmental easement that has been accepted by this Department is available to the public at: http://www.dec.ny.gov/chemical/36045.html. If you have any questions or comments regarding this matter, please do not hesitate to contact me.

Very truly yours,

ATTORNEY CHECKLIST

ENVIRONMENTAL EASEMENT
CHECKLIST/CERTIFICATION
SITE No. C130143

The following requirements and attachments must be included as part of the submission to the Department for an Environmental Easement. Upon completion of the review, an attorney must sign the certification certifying that they have fully completed the checklist. The Department will not accept submissions which have not been signed and certified as complete by both the Owner and Owner's Attorney.

1) Special Circumstances

The last owner search was completed and the deed transfer is by Quit Claim or other restricted transfer deed ☐ Yes ☒ No

The property in the Brownfield Cleanup Agreement includes lands under water ☐ Yes ☒ No

The property has multiple owners ☐ Yes ☒ No

If you answered "Yes" to any of these items, contact the Department's Environmental Easement contact person for a determination as to whether further title work is necessary.

2) Verification of ownership of the property

☒ Authorized "Person" is signatory on the Easement.
☒ Current Deed has been reviewed and correct name of owner has been verified.
☒ Verification reviewed and included for authority to sign Easement.
☒ Updated copies of legal organizational documents have been reviewed and are included. Examples of the appropriate documentation will include, for:

- corporations: articles of incorporation, organizational agreements, minutes of annual meetings, resolutions, authorities for signature;
- partnerships: a copy of the partnership agreement; verification that necessary parties are participating in the Easement;
- trusts: trust agreement, affidavit of no change in the trust; and
- estates: estate letters, powers of attorney.

3) Verification of Property Subject to Easement

☒ Description of the property in the Easement and DEC Agreement/Order/SAC matches description of property in the deed (Separate submittal must be included to explain to the satisfaction of the Department why there is any discrepancy).
☒ The Tax Map identifier (SBL) matches on all documents.

4) Survey Review

☒ Survey includes metes and bounds description.
☒ Survey includes a graphic scale.

☒ Survey includes physical Address and is consistent with the DEC Agreement/Order/SAC.

5) Review of Easement

☒ Attorney certifies Easement is in the form provided by the Department and that entries have been made only in those sections where authorized.
☒ Verification that the proper party has signed the Easement. Acknowledgement is in the proper form, notary stamp is clear and has a current expiration date.
☒ Name, property address, SBL, engineering controls/institutional controls, SMP references and any information that was inserted into the Easement form has been verified as correct and accurate.
☒ Two original Easements have been signed by the proper party.

6) Submissions

☒ The Environmental Easement Package being submitted to the Department includes the applicable documents set forth in Attachment A.

PLEASE READ THE FOLLOWING CAREFULLY

The Owner and the Owner's attorney understand and acknowledge that the New York State Department of Environmental Conservation will rely on each and every answer in this statement: (1) to determine whether the Easement Package can be reviewed in a timely fashion; and (2) to determine whether the Easement Package should be approved. The Owner and the Owner's attorney understand and acknowledge that any false statement or misrepresentation herein will constitute cause for the revocation of the Certificate of Compliance issued in reliance on this checklist and accompanying documentation. The Owner and the Owner's attorney further acknowledge that the failure to provide the Department with valid and enforceable Environmental Easement on the property may be grounds for the Department to revoke any Certificate of Completion for the site.

Statement of Certification and Signatures

1) By Owner:

I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I further acknowledge that the failure to provide the Department with valid and enforceable Environmental Easement on the property may be grounds for the Department to revoke any Certificate of Completion for the site.

Date: 12/12/2014 Signature: Nicola Ciampone

Print Name: Nicola Ciampone

2) By Owner's Attorney:

I hereby affirm that I am the attorney for Fildon, LLC (entity); that I am authorized by that entity to make this certification; that this certification was prepared by me or under my supervision and direction; and that information provided on this form and its attachments is true and complete to the best of my knowledge and belief.

Date: Dec 12, 2014 Signature: Thomas W Raleigh

Print Name: THOMAS W. RALEIGH

Attachment

Attachment A

Documents required for a complete Environmental Easement package:

1) Copy(ies) of current deed(s).

2) Copy of Tax map.

3) Two original easements and an electronic version submitted to both the project manager and project attorney.

4) Proof of authority to obligate owner of property as set forth in "Verification of ownership of property" on the Easement checklist.

5) Legal description of the easement area in a Department approved electronic form (i.e., Word).

6) Signed Survey, two full size copies and an electronic survey for review to both the project manager and project attorney.

7) A draft Notice to Municipality, with appropriate site-specific provisions.

8) Attorney Checklist with certification signed by attorney and owner.

FILDON, LLC ORGANIZATIONAL DOCUMENTS

MINUTES OF FIRST MEETING

of

THE MEMBERS

of

FILDON LLC

The first meeting of members of the above named Company was held at:

Date: June 5, 2009

Time: 5 pm

Place: 44 Madison Avenue, Hempstead, NY

The following Members were present and constituted a quorum:

Nicola Ciampone

Mary Ann Ciampone

The meeting was called to order by Nicola Ciampone.

Upon motion duly made and second that Nicola Ciampone was elected as Chairperson/Manager and Mary Ann Ciampone elected as Secretary/Manager.

The meeting then moved to the election of managers. Upon nominations duly made and seconded, the following were elected and qualified:

Operating Manager: Nicola Ciampone

Treasurer/Manager: Mary Ann Ciampone

Secretary/Manager: Mary Ann Ciampone

Upon a motion duly made and seconded, the following resolution was unanimously adopted:

RESOLVED, that each of the forenamed persons be and are hereby elected to the office set opposite (his/her) name, to assume their duties and responsibilities fixed by the Operating agreement.

The operating manager of the Company thereupon assumed the chair, and the Secretary/Manager assumed his/her duty, and presented the following:

(1) Copy of the Articles of Organization.

(2) Copy of the proposed Operating Agreement of the Company

Upon motion duly made, seconded and unanimously carried, it was

RESOLVED, that the Articles of Organization and the Operating Agreement be, and that they hereby are ratified, approved, and adopted by the Members.

The Secretary/Manager submitted the company seal proposed for use by the Company. Upon motion duly made, seconded and unanimously carried, it was

RESOLVED, That the form of seal submitted is hereby approved and adopted as the Company seal of this Limited Liability Company, and an impression thereof be made on the margin of these minutes.

Presented next was the specimen copy of the proposed membership certificate which represents ownership interest in the company. Upon motion duly made, seconded and unanimously carried, it was

RESOLVED, that the specimen form of a proposed certificate represented at this meeting, is approved and adopted as the certificate to represent the ownership of an interest in the Company; and further

RESOLVED, that the specimen certificate so presented to the meeting be attached to the minutes thereof.

There was a proposal presented at the meeting to issue units of ownership in the Company.

The banking arrangements of the Company were then discussed. After the discussion was complete, on motion duly made, seconded and carried, a proposed Secretarial Certificate to be furnished to _____ was unanimously approved and the resolutions set forth in such certificate were unanimously adopted. A conformed copy of such Secretarial Certificate was ordered annexed to the minutes of the meeting.

Upon motion duly unanimously made, carried and seconded, it was

RESOLVED, that upon receipt of consideration therefor certificates representing ownership in the Company be issued by the Secretary/manager to:

Name & Address	**Interest in the Company**
Nicola Ciampone	50%
Mary Ann Ciampone	50%

RESOLVED, managers of the Company be authorized, empowered and directed to take any action to execute and deliver any and all instruments in connection with carrying out the above resolutions.

There being no further business to come before the meeting, upon motion duly made, seconded and unanimously adopted, the meeting was adjourned.

Secretary/Member Mary Ann Ciampone

Attest:

Members:

NICOLA CIAMPONE

MARY ANN CIAMPONE

OPERATING AGREEMENT
OF

FILDON LLC

NEW YORK STATE LIMITED LIABILITY COMPANY

This Operating Agreement effective as of this day 5th of June 2009 by, between and among the undersigned confirms our understanding as to the matters contained herein.

The parties hereto agree as follows:

ARTICLE I
Definitions

The following terms and phrases shall have the meanings indicated:

A. "Act" shall mean the New York Limited Liability Company Act, as amended.

B. "Capital Account" shall mean, with respect to each Member, the account established for each Member pursuant to Article VI, which will initially equal the Capital Contributions of such Member and will be (a) increased by the amount of Net Profits allocated to such Member and (b) reduced by the amount of Net Losses allocated to such Member and the amount of Cash Flow distributed to such Member. Members' Capital Accounts shall be determined and maintained in accordance with the rules of paragraph (b)(2)(iv) of Regulation Section 1.704-1 of the Code.

C. "Capital Contributions" shall mean the fair market value of the amounts contributed by the Members pursuant to Article VI (B).

D. "Cash Flow" shall have the meaning provided in Article VII (A).

E. "Code" shall mean the Internal Revenue Code of 1986, as amended, or corresponding provisions of subsequent revenue laws.

F. "Operating Managers" shall mean the Member or Members selected by the Members in accordance with this Agreement to serve as Operating Manager or Operating Managers of the Company.

G. "Members" shall mean the persons designated as such in this Agreement, any successor(s) to their interests as such in the Company; and any other person who pursuant to this Agreement shall become a Member, and any reference to a "Member" shall be to any one of the then Members.

H. "Net Profits" and "Net Losses" shall mean the net profit or net loss, respectively, of the Company determined in accordance with Article VIII.

I. The words "membership interest" shall mean a Member's interest in the Company which shall be in proportion to his share of the current profits of the Company determined in accordance with Section 503 of the Act which states that profits and losses shall be allocated on the basis of the value of the contributions of each Member as stated in the Operating Agreement .A "majority in interest of the Members" and "two-thirds in interest of the Members" shall mean Members whose aggregate share of the current profits of the Company constitute more than one-half or two-thirds, respectively, of the aggregate shares of all of the Members.

J. "Company" shall mean this Limited Liability Company.

K. "Person" shall mean any natural person, corporation, partnership, joint venture, association, limited liability company or other business or legal entity.

ARTICLE II
Organization of the Company

A. The purpose of the Company is to conduct any lawful business for which limited liability companies may be organized and to do all things necessary or useful in connection with the foregoing.

B. The Company name shall be FILDON LLC. The Members shall be Members in the Company and shall continue to do business under the name until the Operating Managers shall change the name or the Company shall terminate.

C. The principal address of the Company shall be 44 Madison Avenue, Hempstead, NY. or such other place or places as the Operating Managers may determine. The Operating Managers will give notice to the Members promptly after any change in the location of the principal office of the Company.

D. The Company shall ~~terminate on~~ be perpetual except that the Company may terminate prior to such date as provided in this Agreement.

ARTICLE III
Status of Members

A. No Member will be bound by, or be personally liable for the expenses, liabilities or obligations of the Company.

B. No Member will be entitled to withdraw any part of his Capital Account or to receive any distributions from the Company except as expressly provided in this Agreement.

C. No Member will have the right to require partition of the Property or to compel any sale or appraisal of the Company's assets or any sale of a deceased Member's interest in the Company's assets, notwithstanding any provision of law to the contrary.

ARTICLE IV

Meeting of Members

A. An annual meeting of Members shall be held within five (5) months after the close of the fiscal year of the Company on such date and at the time and place (either within or without the State of its organization) as shall be fixed by the Members. At the annual meeting, the Members shall elect the Operating Managers and transact such other business as may properly be brought before the meeting.

B. A special meeting of Members may be called at any time by the Operating Managers and shall be called by the Operating Managers at the request in writing of a majority in interest of the Members entitled to vote at such meeting. Any such request shall state the purpose or purposes of the proposed meeting. Business transacted at any special meeting of Members shall be confined to the purposes set forth in the notice thereof.

C. Written notice of the time, place and purpose of every meeting of Members (and, if other than an annual meeting, the person or persons at whose discretion the meeting is being called), shall be given by the Operating Managers to each Member of record entitled to vote at such meeting, not less than ten nor more than sixty days prior to the date set for the meeting. Notice shall be given either personally or by mailing said notice by first class mail to each Member at his address appearing on the record book of the Company or at such other address supplied by him in writing to the Operating Managers of the Company for the purpose of receiving notice. A written waiver of notice setting forth the purposes of the meeting for which notice is waived, signed by the person or persons entitled to such notice, whether before or after the time of the meeting stated therein, shall be deemed equivalent to the giving of such notice. The attendance by a Member at a meeting either in person or by proxy without protesting the lack of notice thereof shall constitute a waiver of notice of such Member. All notices given with respect to an original meeting shall extend to any and all adjournments thereof and such business as might have been transacted at the original meeting may be transacted at any adjournment thereof; no notice of any adjourned meeting need be given if an announcement of the time and place of the adjourned meeting is made at the original meeting.

D. The holders of a majority in interest of the Members present in person or represented by proxy, shall be requisite and shall constitute a quorum at all meetings of members except as otherwise provided by statute or the Articles of Organization. If, however, a quorum shall not be present or represented at any meeting of Members, the Members entitled to vote thereat, present in person or represented by proxy, shall have power to adjourn the meeting from time to time, without notice other than announcement at the meeting, until a quorum shall be present or represented. At such adjourned meeting at which a quorum shall be present or represented, any business may be transacted which might have been transacted at the meeting as originally notified. When a quorum is once present to organize a meeting, such quorum is not deemed broken by the subsequent withdrawal of any Members.

E. Every Member entitled to vote at any meeting shall be entitled to vote in accordance with his membership interest in the Company held by him of record on the date fixed as the record date for said meeting and may so vote in person or by proxy. Any Company action shall be authorized by a majority in interest of the votes cast by the Members entitled to vote thereon except as may otherwise be provided by statute, the Articles of Organization or this Operating Agreement.

F. Every proxy must be signed by the Member entitled to vote or by his duly authorized attorney-in-fact and shall be valid only if filed with the Operating Managers of the Company prior to the commencement of voting on the matter in regard to which said proxy is to be voted. No proxy shall be valid after the expiration of eleven months from the date of its execution unless otherwise expressly provided in the proxy. Every proxy shall be revocable at the pleasure of the person executing it except as otherwise provided by statute. Unless the proxy by its terms provides for a specific revocation date and except as otherwise provided by statute, revocation of a proxy shall not be effective unless and until such revocation is executed in writing by the Member who executed such proxy and the revocation is filed with the Operating Managers of the Company prior to the voting of the proxy.

G. All meetings of Members shall be presided over by the Operating Managers, or if not present, by a Member thereby chosen by the Members at the meeting. The Operating Managers or the person presiding at the meeting shall appoint any person present to act as secretary of the meeting.

H. For the purpose of determining the Members entitled to notice of, or to vote at any meeting of Members or any adjournment thereof or to express consent or dissent from any proposal without a meeting, or for the purpose of determining the Members entitled to receive payment of any distribution of Cash Flow or the allotment of any rights, or for the purpose of any other action, the Members may fix, in advance, a date as the record date for any

such determination of Members. Such date shall not be more than fifty nor less than ten days before the date of any meeting nor more than fifty days prior to any action taken without a meeting, the payment of any distribution of Cash Flow or the allotment of any rights, or any other action. When a determination of Members of record entitled to notice of, or to vote at any meeting of Members has been made as provided in this Section, such determination shall apply to any adjournment thereof, unless the Members fix a new record date under this Section for the adjourned date.

I. The Company shall be entitled to treat the holder of record of any membership interest as the holder in fact thereof and, accordingly, shall not be bound to recognize any equitable or other claim to or interest in such membership interest on the part of any other person whether or not it shall have express or other notice thereof, except as otherwise provided by the Act.

ARTICLE V
Management

A. Management of the Company shall be vested in all of the Members who shall also serve as Operating Managers of the Company. The Operating Managers shall vote in proportion to their Membership Interests in the Company. Except as otherwise provided in this Agreement, all decisions of the Operating Managers shall be by a majority in interest of the Members. All Operating Managers must be Members of the Company. No Member will take part in or interfere in any manner with the conduct or control of the business of the Company or have any right or authority to act for or bind the Company except as provided in this Agreement.

B. The Operating Managers shall hold office for the term for which elected and until a successor has been elected and qualified. A vacancy in the office of Operating Manager arising from any cause may be filled for the unexpired portion of the term by the Members.

C. Any Operating Manager may resign at any time by giving written notice to the Members. Any such resignation shall take effect at the time specified therein or, if the time is not specified therein, upon the receipt thereof, irrespective of whether any such resignations shall have been accepted.

D. The Company shall be managed by the Operating Managers and the conduct of the Company's business shall be controlled and conducted solely and exclusively by the Operating Managers in accordance with this Agreement. In addition to and not in limitation of any rights and powers conferred by law or other provisions of this Agreement, the Operating Managers shall have and may exercise on behalf of the Company all powers and rights necessary, proper, convenient or advisable to effectuate and carry out the purposes, business and objectives of the Company, and to maximize Company profits. Such powers shall include, without limitation, the following:

1) To open accounts and deposit and maintain funds in the name of the Company in banks or savings and loan associations;
2) To determine the appropriate accounting method or methods to be used by the Company;
3) To commence lawsuits and other proceedings;
4) To retain accountants, attorneys or other agents to act on behalf of the Company;
5) To execute, acknowledge and deliver any and all instruments to effectuate the foregoing, and to take all such action in connection therewith as the Operating Managers deem necessary or appropriate.

E. Notwithstanding the foregoing, the Operating Managers may not make any of the following management decisions without obtaining the consent of two-thirds in interest of the Members:

1) To acquire, sell, assign, or otherwise transfer any interest in any property;
2) To create any indebtedness for borrowed money whether or not secured;
3) To make, execute or deliver on behalf of the Company any assignment for the benefit of creditors or any guarantee, indemnity bond, or surety bond;
4) To obligate the Company or any Member as a surety, guarantor or accommodation party to any obligation;
5) To confess any judgment on behalf of the Company;
6) To do any act which makes it impossible to carry on the ordinary business of the Company;
7) To make any decisions regarding any employee;
8) To obligate the Company in any manner for a liability in excess of $10,000.

F. The Operating Manager shall serve as Tax Matters Member as such term is defined in Code Section 6231 (a)(7).

G. Any person made or threatened to be made a party to an action or proceeding, whether civil or criminal, by reason of the fact that he, his testator or intestate, then, is, or was a manager, Member, employee or agent of the Company, or then serves or has served on behalf of the company in any capacity at the request of the Company, shall be indemnified by the Company against reasonable expenses, judgments, fines and amounts actually and necessarily incurred in connection with the defense of such action or proceeding or in connection with an appeal therein, to the fullest extent permissible by the Act. Such right of indemnification shall not be deemed exclusive of any other rights to which such person may be entitled.

ARTICLE VI
Capital

A. The Members have contributed to the Company in exchange for their membership interests, their cash interest and other property as set forth on Schedule A, annexed hereto.

B. The fair market value and the adjusted basis of the contributing Member of any property other than cash contributed to the Company by a Member shall be set forth on Schedule A, annexed hereto.

C. Except as expressly provided in this Agreement, no Member shall be required to make any additional contributions to the capital of the Company.

D. No interest shall be paid on the Capital Account of any Member.

E. A Capital Account shall be established for each Member on the books and records of the Company in accordance with Article I (B). If any assets of the Company are distributed to the Members in kind, the Capital Accounts of the Members shall be adjusted to reflect the difference between the fair market value of such assets on the date of distribution and the basis of the Company in such assets.

ARTICLE VII
Distributions of Cash

A. The Company shall distribute to the Members from time to time all cash (regardless of the source thereof) of the Company which is not required for the operation or the reasonable working capital requirements of the Company, (such cash is sometimes referred to herein as "Cash Flow"). For purposes of this Agreement all Cash Flow allocated to the Members shall be allocated among them in the ratio in which the total Capital Contributed by each Member on the last day of each calendar month during the year bears to the total Capital Contributed by all Members on such date without regard to the number of days during such month in which such a person was a Member.

B. Distributions of Cash Flow shall be made from time to time in such manner as determined by the Operating Managers.

ARTICLE VIII

Profits and Losses

A. The Net Profits and Net Losses of the Company shall be the net profits and net losses of the Company as determined for Federal income tax purposes.

B. The Net Profits and Net Losses of the Company and each item of income, gain, loss, deduction or credit entering into the computation thereof, shall be allocated to the Members in the same proportions that they share in distributions of Cash Flow pursuant to Article VII (A), or if there is no Cash Flow, that they would have shared if there had been Cash Flow.

C. References herein to "Reg. Sec.", are to the regulations promulgated by the United States Treasury to the Code. The terms "minimum gain", "minimum gain chargeback", "qualified income offset" and "nonrecourse deduction" are to be interpreted consistent with the definitions of such terms in Reg. Sec. 1-704-2. "Nonrecourse liability" means any liability with respect to which no Member bears the risk of loss under Code Section 752. The following special allocations shall be made in the following order:

1. Except as otherwise set forth in Reg. Sec. 1.704-2(f), if there is a net decrease in minimum gain, during the fiscal year of the Company, each Member, shall be specially allocated items of gross income and gain for such fiscal year (and, if necessary, subsequent fiscal years) in an amount equal to that Member's share of the net decrease of minimum gain determined in accordance with Reg. Sec. 1.704-2(g). Allocations in accordance with this Section shall be made first from the disposition of Company assets subject to nonrecourse liabilities, to the extent of the minimum gain attributable to those assets, and thereafter, from a pro-rata portion of the Company's other items of income and gain for the taxable year. This Section is intended to comply with the minimum gain chargeback requirement of Reg. Sec. 1.704-2(f).

2. Except as otherwise set forth in Reg. Sec. 1.704-2(i)(4), if there is a net decrease in a Member's nonrecourse liability minimum gain attributable to Members' nonrecourse liabilities during any fiscal year, each Member who has a share of the Member nonrecourse liability minimum gain attributable to Member nonrecourse liability shall be specially allocated items of gross income and gain for such fiscal year (and, if necessary, subsequent fiscal years)in an amount equal to that Member's share of the net decrease in Members' nonrecourse debt minimum gain attributable to such Member nonrecourse debt. Allocations pursuant to this Section shall be made first from gain recognized from the disposition of Company assets subject to Member nonrecourse liabilities to the extent of Member minimum gain attributable to those

assets, and thereafter, from a pro-rata portion of the Company's other items of income and gain for the fiscal year. This section is intended to comply with the minimum gain chargeback requirements of Reg. Sec. 1.704-2(i).

3. A Member who unexpectedly receives an adjustment, allocation or distribution described in (4), (5) or (6) of Reg. Sec. 1.704-1(b)(2)(ii)(d) will be allocated items of income and gain in an amount and manner sufficient to eliminate such deficit balance as quickly as possible. An allocation shall be made pursuant to this Section and if and to the extent a Member would have a deficit in his adjusted Capital Account after all other allocations provided for in this Section 8.3 were made as if this paragraph were not in the agreement.

4. Nonrecourse deductions shall be allocated among the Members in the same proportion in which they share the Cash Flow of the Company.

5. Any nonrecourse deduction shall be allocated to any Member who bears the economic risk of loss with respect to the Member nonrecourse liability to which such deduction is attributable.

D. Any Company gain or loss realized with respect to property, other than money, contributed to the Company by a Member shall be shared among the Members pursuant to Code section 704(c) and regulations to be promulgated thereunder so as to take account of the difference between the Company basis and the fair market value of the property at the time of the contribution ("built-in gain or loss"). Such built-in gain or loss shall be allocated to the contributing Member upon the disposition of the property.

ARTICLE IX
Admission and Withdrawal of a Member

A. A Member may transfer his interest in the Company to another person or entity only with the prior unanimous consent of the other Members either in writing or at a meeting called for such purpose. If all of the other Members do not approve of the transfer, the transferee shall have no right to participate in the management of the business and affairs of the Company or to become a Member. The transferee shall be entitled to receive the share of profits, losses and Cash Flow or other compensation by way of income and the return of contributions to which the transferor otherwise would be entitled.

B. The Members agree to sign such additional documents as may be required in order to admit additional Members to the Company, as well as, among other things, to provide for the division of profits, losses and Cash Flow among the Members.

C. All costs and expenses incurred by the Company in connection with the assignment of a Member's interest, including any filing fees and publishing costs and the fees and disbursements of counsel, shall be paid by the assigning Member.

D. Each person who becomes a Member in the Company, by becoming a Member, shall and does hereby ratify and agree to be bound by the terms and conditions of this Agreement.

ARTICLE X
Termination or Dissolution of Company

A. The Company shall be terminated prior to the date of expiration of the term as provided in Article II (D), if (a) a majority in interest of the Members consent that the Company should be terminated and dissolved, or (b) the Company is dissolved pursuant to this Agreement.

B. The Company shall be terminated in the event any Member (i) withdraws, resigns or is expelled from the Company; (ii) makes an assignment for the benefit of creditors, is the subject of an order for relief under Title 11 of the United States Code, files a petition or answer seeking for himself any reorganization, arrangement, composition, readjustment, liquidation, dissolution, or similar relief under any statute, law or regulation, files an answer or other pleading admitting or failing to contest the material allegations of a petition filed against him in any proceeding of this nature, seeks, consents to, or acquiesces in the appointment of a trustee, receiver or liquidator for all or any substantial part of his properties; (iii) dies; or (iv) a judgment is entered by a court of competent jurisdiction adjudicating him incompetent to manage his person or his property.

C. If the Company is dissolved, the owners of a majority in interest of the remaining Members may elect to reconstitute and continue the Company as a successor Company upon the same conditions as are set forth in this Agreement. Any such election to continue the Company will not result in the creation of a new Company among the remaining Members, nor will such election require the amendment of this Agreement or the execution of an amended Agreement.

D. Upon the termination and dissolution of the Company, the then Operating Manager, or Operating Managers, if any, or, if there is no Operating Manager, any person elected to perform such liquidation by the written consent of the owners of a majority in interest of the Members, shall proceed to the liquidation of the Company. The proceeds of such liquidation shall be applied and distributed as follows:

1. If any assets of the Company are to be distributed in kind, such assets shall be distributed on the basis of the fair market value thereof, and any Member entitled to any interest in such assets shall receive such interest therein as a tenant-in-common with all other Members so entitled. The fair market value of such assets shall be determined by an independent appraiser to be selected by the Company's independent public accountants. The amount by which the fair market value of any Property to be distributed in kind to the Members exceeds or is less than the basis of such Property, shall, to the extent not otherwise recognized by the Company, be taken into account in computing Net Profits or Net Losses (and shall be allocated among the Members in accordance with Article VIII (B) for purposes of crediting or charging the Capital Accounts of, and liquidating distributions to, the Members.

2. All distributions upon liquidation of the Company shall be distributed as follows: to each of the Members, in proportion to the amounts of their respective positive Capital Accounts, as such accounts have been adjusted (i) in accordance with Article VIII, to reflect the Net Profit or Net Loss realized or incurred upon the sale of the Company's property or assets and; (ii) in accordance with Article VIII (B), to reflect all Net Profits or Net Losses with respect to the year of liquidation. No Member shall be liable to repay the negative amount of his Capital Account.

E. Each of the Members shall be furnished with a statement, reviewed by the Company's independent public accountants, which shall set forth the assets and liabilities of the Company as of the date of the Company's liquidation. Upon completion of the liquidation, the Operating Managers shall execute and cause to be filed Articles of Dissolution of the Company and any and all other documents necessary with respect to termination of the Company.

ARTICLE XI
Books and Reports

A. The Operating Managers shall cause the Company to maintain the following records:

1. Complete and accurate books of account, in which shall be entered, fully and accurately, each and every transaction of the Company, shall be kept by the Operating Managers at the principal office of the Company. The fiscal year of the Company shall be the calendar year. The books of account of the Company shall be kept in accordance with sound accounting practices and principles applied in a consistent manner by the Company; provided, however, that all methods of accounting and treating particular transactions shall be in accordance with the methods of accounting employed for Federal income tax purposes. All determinations by the Operating Managers with respect to the treatment of any item or its allocation for Federal, state or local tax purposes shall be binding upon all the Members unless the determination is inconsistent with any express provision of this Agreement.

2..A current list of the full name and last known mailing address of each Member set forth in alphabetical order together with the contribution and share in profits and losses of each Member; a copy of the Articles of Organization of the Limited Liability Company and any amendments thereto; a copy of the Limited Liability Company Operating Agreement and any amendments thereto; a copy of the Limited Liability Company's federal, state and local income tax returns for the three most recent fiscal years.

3. Any Member shall have the right from time to time at his expense to have his accountants and representatives examine and/or audit the books and records of the Company and the information referred to in this Section, and the Operating Managers will make such books and records and information available for such examinations and/or audits.

B. No value shall be placed for any purpose upon the Company name or the right to its use, or upon the goodwill of the Company or its business. Upon termination or dissolution of the Company (without reconstitution thereof) as provided in this Agreement, neither the Company name or the right to its use, nor the goodwill of the Company, shall be considered as an asset of the Company.

C. The Operating Managers will cause to be sent to the Members within a reasonable period after the close of each year the following: (a) annual statements of the Company's gross receipts and operating expenses, and the capital accounts of each Member, prepared by the Company's independent public accountants, to be transmitted to each Member; and (b) a report to be transmitted to each Member indicating the Member's share of the Company's profit or loss for that year and the Member's allocable share of all items of income, gain, loss, deduction, and credit, for Federal income tax purposes.

ARTICLE XII
Tax Elections

A. In the event of a transfer of a Member's interest, or upon the death of a Member, or in the event of the distribution of Company property to any party hereto, the Company may (but need not necessarily) file an election, in accordance with Section 754 of the Code to cause the basis of the Company Property to be adjusted for Federal income tax purposes, as provided by Sections 734 and 743 of the Code.

ARTICLE XIII

Miscellaneous

A. Any notice or other communication under this Agreement shall be in writing and shall be considered given when mailed by registered or certified mail, return receipt requested, to the parties at the following addresses (or at such other address as a party shall have previously specified by notice to the others as the address to which notice shall be given to him):

1. If to the Company, to it in care of the Operating Managers at the address of the Company.
2. If to the Operating Managers, to them at the address of the Company.
3. If to any Member, to him at his address set forth on the books and records of the Company.

B. This Agreement contains a complete statement of all of the arrangements among the parties with respect to the Company and cannot be changed or terminated orally or in any manner other than by a written agreement executed by all of the Members. There are no representations, agreements, arrangements or understandings, oral or written, between or among the parties relating to the subject matter of this Agreement which are not fully expressed in this Agreement.

C. This Agreement shall be construed without regard to any presumption or other rule requiring construction against the party causing this Agreement to be drafted.

D. This Agreement is intended to be performed in accordance with, and only to the extent permitted by, all applicable laws, ordinances, rules and regulations of the jurisdiction in which the Company does business. If any provision of this Agreement, or the application thereof to any person or circumstance, shall for any reason and to any extent, be invalid or unenforceable, the remainder of this Agreement and the application of that provision to other persons or circumstances shall not be affected, but rather shall be enforced to the extent permitted by law.

E. Anything hereinbefore in this Agreement to the contrary notwithstanding, all references to the Property of the Company are deemed to include the profits, losses and Cash Flow of the Property.

F. Irrespective of the place of execution or performance, this Agreement shall be governed by and construed in accordance with the laws of the State of New York applicable to agreements made and to be performed in the State of New York.

G. The captions, headings and table of contents in this Agreement are solely for convenience of reference and shall not affect its interpretation.

H. This Agreement may be executed in any number of counterparts, each of which shall be an original but all of which shall be deemed to constitute a single document.

I. Whenever the context so requires, the male gender when used herein shall be deemed to include the female gender, the female gender shall be deemed to include the male gender, the singular shall be deemed to include the plural and the plural shall be deemed to include the singular.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement effective as of the day and year first above written:

Signed: _____
Member/Manager

_____
MEMBER/MANAGER

NUMBER 1

Organized under the laws of the State of New York

UNITS 10

FILDON LLC

MEMBERSHIP CERTIFICATE

See Reverse for Certain Definitions

This Certifies that NICOLA CIAMPONE

is a member of the above named Limited Liability Company and is entitled to the full benefits and privileges of such membership, subject to the duties and obligations, as more fully set forth in the Limited Liability Company Operating Agreement.

In Witness Whereof *the Limited Liability Company has caused this Certificate to be executed by its duly authorized members this* 5th *day of* JUNE, 2009, *and its Limited Liability Company seal to be hereunto affixed.*

Maryann Ciampone

Nicola Ciampone

CORPKIT, NEW YORK

NUMBER 2

Organized under the laws of the State of New York

UNITS 10

FILDON LLC

MEMBERSHIP CERTIFICATE

See Reverse for Certain Definitions

This Certifies that MARY ANN CIAMPONE

is a member of the above named Limited Liability Company and is entitled to the full benefits and privileges of such membership, subject to the duties and obligations, as more fully set forth in the Limited Liability Company Operating Agreement.

In Witness Whereof *the Limited Liability Company has caused this Certificate to be executed by its duly authorized members this* 5th *day of* JUNE, 2009, *and its Limited Liability Company seal to be hereunto affixed.*

Mary Ann Ciampone

Dale M

CORPKIT, NEW YORK

NASSAU COUNTY CLERK'S OFFICE
ENDORSEMENT COVER PAGE

Recorded Date: 11-04-2009
Recorded Time: 3:24:43 p

Liber Book: D 12556
Pages From: 13
To: 15

Record and Return To:
JOSEPH V SCHETTINO ESQ
437 ROCKAWAY AVENUE
VALLEY STREAM, NY 11581

Control
Number: 2344
Ref #: RE 006092
Doc Type: D12 DEED COMMERCIAL/VACANT LAND

Location:	Section	Block	Lot	Unit
HEMPSTEAD (2820)	0035	00638-00	00021	
HEMPSTEAD (2820)	0035	00638-00	00022	
HEMPSTEAD (2820)	0035	00638-00	00023	
HEMPSTEAD (2820)	0035	00638-00	00024	
HEMPSTEAD (2820)	0035	00638-00	00025	

See Attached

Consideration Amount: 825,000.00

	Taxes Total	.00
	Recording Totals	320.00
EXO001	Total Payment	320.00

THIS PAGE IS NOW PART OF THE INSTRUMENT AND SHOULD NOT BE REMOVED
MAUREEN O'CONNELL
COUNTY CLERK

200911040234 4

N 80495

DATE OF TRANSFER: Oct 16, 2009

BARGAIN and SALE DEED with Covenant against Grantor's Acts - Individual or Corporation

This Indenture made the 11 th day of August, Two Thousand and Nine

Between 48 SEWELL STREET, LLC, a domestic limited liability company with its principal place of business located at 12 Jaegger Drive, Old Brookville, New York, party of the first part, and

FILDON, LLC, a domestic limited liability company with its principal place of business located at 44 Madison Avenue, Hempstead, New York, party of the second part,

Witnesseth, that the party of the first part, in consideration of Eight Hundred and Twenty Five Thousand ($825, 000.00) Dollars and other valuable consideration paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever,

All that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Incorporated Village of Hempstead, County of Nassau, and State of New York, known and designated as and by Lots numbered 21 to 28 inclusive in Block 9, on a certain entitled map entitled: "Amended Map of Hempstead City Park, situated at Hempstead, N.Y., owned by the Pierce Home Land Corporation, 116 West 32nd Street, N.Y.C., surveyed by Van DerWerken & Kuehnle, C.E. and S., Lynbrook and Long Beach in September 1926," and filed in the Nassau County Clerk's Office on October 4, 1926 as Map 616, Case Number 688.

BEING AND INTENDED TO BE ~~a portion of~~ the premises conveyed to the party of the first part by deed dated June 26, 2004 and recorded July 22, 2004 in Liber 11814 Page 311.

35 638 21 to 28

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof; **TOGETHER** with the appurtenances and all the estate and rights of the party of the first part in and to said premises; **TO HAVE AND TO HOLD** the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been encumbered in any way whatever, except as aforesaid.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this DEED the day and year first above written.

In presence of:

Henrietta L. Walker co-executor
Henrietta Walker, Co-Executor of the Estate of
Ludwig Husslein, member of 48 Sewell Street LLC

Gary Husslein, Co-Executor
Gary Husslein, Co-Executor of the Estate of
Ludwig Husslein, member of 48 Sewell Street LLC

TO CLERK

STATE OF NEW YORK, COUNTY OF Suffolk

On the 11th day of August, 2009, before me, the undersigned, personally appeared Henrietta Walker, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name are subscribed to the within instrument and acknowledged to me that she executed the same in her capacity, and that by her signature on the instrument, the individual(s), or the person(s) upon behalf of which the individuals acted, executed the instrument.

P. Miranda
NOTARY PUBLIC

P. MIRANDA ICM #01T06166226
Notary Public, State of New York
Qualified in Cattaraugus Co.
My Commission Expires 5/21/2011

RECEIVED IN THIS CONDITION

STATE OF NEW YORK, COUNTY OF NASS

On the 16 day of ~~August,~~ October 2009, before me, the undersigned, personally appeared Gary Husslein, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name are subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual(s), or the person(s) upon behalf of which the individuals acted, executed the instrument.

NOTARY PUBLIC

Maureen Mahoney
State of New York
Qualified in Suffolk County
No. 01MA4996384
Commission Expires May 18, 2010

Bargain and Sale Deed

COVENANT AGAINST GRANTOR'S ACTS

TITLE No. All State Abstract # N80495-04

SECTION 35
BLOCK 638
LOT 21 to 28
COUNTY OR TOWN:
Hempstead

48 SEWELL STREET LLC

TO

FILDON LLC

RETURN BY MAIL TO:

Joseph V. Schettino, Esq.
437 Rockaway Avenue
Valley Stream, New York 11581

RESERVE THIS SPACE FOR USE OF RECORDING OFFICE

ENVIRONMENTAL EASEMENT
CHECKLIST/CERTIFICATION
SITE No. C130143

The following requirements and attachments must be included as part of the submission to the Department for an Environmental Easement. Upon completion of the review, an attorney must sign the certification certifying that they have fully completed the checklist. The Department will not accept submissions which have not been signed and certified as complete by both the Owner and Owner's Attorney.

1) Special Circumstances

The last owner search was completed and the deed transfer is by Quit Claim or other restricted transfer deed ☐ Yes ☒ No

The property in the Brownfield Cleanup Agreement includes lands under water ☐ Yes ☒ No

The property has multiple owners ☐ Yes ☒ No

If you answered "Yes" to any of these items, contact the Department's Environmental Easement contact person for a determination as to whether further title work is necessary.

2) Verification of ownership of the property

☒ Authorized "Person" is signatory on the Easement.
☒ Current Deed has been reviewed and correct name of owner has been verified.
☒ Verification reviewed and included for authority to sign Easement.
☒ Updated copies of legal organizational documents have been reviewed and are included. Examples of the appropriate documentation will include, for:

- corporations: articles of incorporation, organizational agreements, minutes of annual meetings, resolutions, authorities for signature;
- partnerships: a copy of the partnership agreement; verification that necessary parties are participating in the Easement;
- trusts: trust agreement, affidavit of no change in the trust; and
- estates: estate letters, powers of attorney.

3) Verification of Property Subject to Easement

☒ Description of the property in the Easement and DEC Agreement/Order/SAC matches description of property in the deed (Separate submittal must be included to explain to the satisfaction of the Department why there is any discrepancy).
☒ The Tax Map identifier (SBL) matches on all documents.

4) Survey Review

☒ Survey includes metes and bounds description.
☒ Survey includes a graphic scale.

☒ Survey includes physical Address and is consistent with the DEC Agreement/Order/SAC.

5) Review of Easement

☒ Attorney certifies Easement is in the form provided by the Department and that entries have been made only in those sections where authorized.
☒ Verification that the proper party has signed the Easement. Acknowledgement is in the proper form, notary stamp is clear and has a current expiration date.
☒ Name, property address, SBL, engineering controls/institutional controls, SMP references and any information that was inserted into the Easement form has been verified as correct and accurate.
☒ Two original Easements have been signed by the proper party.

6) Submissions

☒ The Environmental Easement Package being submitted to the Department includes the applicable documents set forth in Attachment A.

PLEASE READ THE FOLLOWING CAREFULLY

The Owner and the Owner's attorney understand and acknowledge that the New York State Department of Environmental Conservation will rely on each and every answer in this statement: (1) to determine whether the Easement Package can be reviewed in a timely fashion; and (2) to determine whether the Easement Package should be approved. The Owner and the Owner's attorney understand and acknowledge that any false statement or misrepresentation herein will constitute cause for the revocation of the Certificate of Compliance issued in reliance on this checklist and accompanying documentation. The Owner and the Owner's attorney further acknowledge that the failure to provide the Department with valid and enforceable Environmental Easement on the property may be grounds for the Department to revoke any Certificate of Completion for the site.

Statement of Certification and Signatures

1) By Owner:

I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I further acknowledge that the failure to provide the Department with valid and enforceable Environmental Easement on the property may be grounds for the Department to revoke any Certificate of Completion for the site.

Date: 12/12/2014 Signature: Nicola Ciampone

Print Name: Nicola Ciampone

2) By Owner's Attorney:

I hereby affirm that I am the attorney for Fildon, LLC (entity); that I am authorized by that entity to make this certification; that this certification was prepared by me or under my supervision and direction; and that information provided on this form and its attachments is true and complete to the best of my knowledge and belief.

Date: Dec 12, 2014 Signature: Thomas W Raleigh

Print Name: THOMAS W. RALEIGH

Attachment

Attachment A

Documents required for a complete Environmental Easement package:

1) Copy(ies) of current deed(s).

2) Copy of Tax map.

3) Two original easements and an electronic version submitted to both the project manager and project attorney.

4) Proof of authority to obligate owner of property as set forth in "Verification of ownership of property" on the Easement checklist.

5) Legal description of the easement area in a Department approved electronic form (i.e., Word).

6) Signed Survey, two full size copies and an electronic survey for review to both the project manager and project attorney.

7) A draft Notice to Municipality, with appropriate site-specific provisions.

8) Attorney Checklist with certification signed by attorney and owner.

WRITTEN CONSENT OF THE SOLE MANAGER AND MEMBER OF FILDON LLC

The undersigned, Nicola Ciampone, being the sole manager and member of **FILDON LLC**, a New York limited liability company, represents, warrants, covenants, agrees, consents to and adopts the following resolutions:

WHEREAS, the New York State Department of Environmental Conservation (the "Department") and 48 Sewell Street LLC executed a Brownfield Cleanup Agreement for the (former) Husslein Plating Corporation and (former) Sempke Bus Garage, Site No. C130143, Index No. W1-1073-05-08, on February 27, 2006, (the "Agreement"); and

WHEREAS, a Brownfield Cleanup Program amendment application for a change in party (the "Application") was submitted to the Department, requesting an amendment to the Agreement to add Fildon LLC, the Purchaser of the Site, as a Volunteer, to the Agreement; and

WHEREAS, the Department reviewed and accepted the Application and delivered an Amendment to the Agreement (the "Amendment"), to be executed by the authorized representatives of both 48 Sewell Street, LLC and Fildon LLC; and

WHEREAS, the effective date of the Amendment shall be the date it is executed by the Commissioner or the Commissioner's designee; it is hereby:

RESOLVED, that Nicola Ciampone as the sole member/manager of Fildon LLC is hereby authorized and directed to execute, on behalf of Fildon LLC, the Amendment and such agreements, arrangements and understandings respecting the Amendment which are required by the Department.

RESOLVED, that Nicola Ciampone as the sole member/manager of Fildon LLC is authorized, empowered and directed, for and on behalf of Fildon LLC, to execute and deliver to the Department or to any other person, firm or corporation, such documents or instruments as the Department shall require and which it may deem proper and advisable in connection with the Amendment, and to authorize the performance of any obligations required by the Department in connection therewith.

RESOLVED, that Nicola Ciampone as the sole member/manager of Fildon LLC is authorized, empowered, and directed, for and on behalf of Fildon LLC, to bind Fildon LLC and to take all such actions as are requested by the Department to carry out the intent and accomplish the purposes of the foregoing resolutions and the transactions contemplated thereby, the taking of such actions and execution, delivery and certification of the Amendment to be conclusive evidence of such approval.

RESOLVED, that all prior actions and the prior execution of any documents or instruments by Nicola Ciampone on behalf of Fildon LLC in furtherance of the foregoing resolutions are hereby authorized, ratified, confirmed and approved.

IN WITNESS WHEREOF, the undersigned sole manager and member has duly executed this consent as of this 7 day of August, 2009.

FILDON LLC

X By: _____

Nicola Ciampone,
Sole Member/Manager

APPENDIX D

TANK DISPOSAL MANIFESTS

PERMIT TO OPEN [redacted]/SIDEWALK

VILLAGE OF HEMPSTEAD, N.Y.

No 5182 Jan 20, 2006

The amount of $ 2545.00 representing $ 45.00 fee, and/or $ 2500.00 deposit having been remitted to the Village Clerk-Treasurer, permission is hereby granted to AARCO Environmental Services Corp, 10 Grand Blvd., Deer Park to open a [redacted]/sidewalk at 48 Sewell Street

10' long

for the purpose of tank removals

from Jan. 2006 to ____ inclusive

Owner Estate of Ludwig Huesler, Jr.

General Receipt No. 74487 Tanya Ford
Village Clerk-Treasurer

This permit shall expire and become null and void 60 days after date of issuance - Art. III, Sec. 13-46.

INC. VILLAGE OF HEMPSTEAD
99 NICHOLS CT., HEMPSTEAD, N. Y. 11551

Date Jan 13 2006 No 74487

GENERAL RECEIPT

Received From AARCO Environmental Services Corp $ 4500
(Name)
10 Grand Blvd Deer Park NY 11729
(Street) (Village)
Forty five Dollars

For Street opening permit for 48 Sewell Street

THIS IS NOT A PERMIT OR LICENSE

Fund	Code	Amount	
A.R. 59013		45	00

CK# 3387

Tanya L. Ford
Village Clerk

Received By Lucia Robertson

AARCO Environmental Services Corp.

January 17, 2006

Attn: Mr. Ted Herishney
899 Jerusalem Avenue
Union Dale NY 11553

Re: 48 Sewel Street, Hempstead NY

Dear Mr. Herishney,

Please find enclosed registration paper work pertaining to tank removal activities located at the above referenced location. Please be advised work will be preformed on January 24th, and 25th of 2006. If you have any questions please feel free to contact me at (631) 586-5900.

Thank you,

Sincerely
Colleen Higgison 1-17-06
Colleen Higgison
Office Coordinator

10 Grand Blvd, Suite 3, Deer Park, N.Y. 11729 Phone (631) 586-5900 Fax (631) 586-5910

FDA 131493

OFFICE OF THE FIRE MARSHAL
COUNTY OF NASSAU

Thomas R. Suozzi
County Executive

Thomas E. Tilley
Fire Marshal

Registration Application for the Storage of Flammable/Combustible Liquids

FOR OFFICE USE ONLY	
Loc. ID #	93664
Fees Rec'd	
Date Rec'd	1-23-06

CHECK ALL THAT APPLY TO YOUR FACILITY

TYPE OF STORAGE: TANK (S) [X] CONTAINER(S) [ ] OTHER ____

TYPE OF REGISTRATION: RENEWAL [ ] AMENDED [X] (ANY CHANGE IN ESSENTIAL REGISTRATION APPLICATION) NEW [ ] (A FACILITY NOT PREVIOUSLY REGISTERED WITH THE NCFM)

PRODUCT USAGE

DISPENSING [ ] MAJOR STORAGE FACILITY [X] STATIONARY ENGINE [ ] INDUSTRIAL PROCESS [ ] OTHER ____

THIS SECTION PERTAINS TO THE FACILITY LOCATION

BUSINESS NAME: Hussian Plating

ADDRESS: 48 Sewell Street Hempstead, NY
(Number, Street, City, Zip)

INTERSECTION: Hirschel Street PHONE ( )

PROPERTY TAX CODE
SECTION 38
BLOCK 535
LOT(S) 21 thru 28
SCHOOL DISTRICT #

THIS SECTION PERTAINS TO THE TANK OWNER (Permittee)

BUSINESS NAME:

NAME: 48 Sewell Street LLC
(Individual, Corporate Officer, Partner) Date of Birth

LEGAL ADDRESS: 12 Jaegger Drive, Old Brookville, NY 11545 c/o Genoa & Associates PC
(Number, Street, City, State, Zip)

MAILING ADDRESS (If Different from Above): (Number & Street or PO Box, City, State, Zip)

PHONE (516) 759-7940 ( ) (Business, Emergency)

THIS SECTION PERTAINS TO THE FACILITY OPERATOR

BUSINESS NAME: (If not Individual, Name Above, Corporate Name, etc.)

NAME: (Individual, Corporate Officer, Partner) Title Date of Birth

LEGAL ADDRESS: (Number, Street, City, State, Zip)

MAILING ADDRESS (If Different from Above): (Number & Street or PO Box, City, State, Zip)

PHONE ( ) ( ) (Business, Emergency)

THIS SECTION PERTAINS TO THE PROPERTY OWNER

BUSINESS NAME: (If not applicable, leave blank. Individual name use)

NAME: 48 Sewell Street LLC
(Individual, Corporate Officer, Partner) Date of Birth

LEGAL ADDRESS: 12 Jaegger Drive, Old Brookville, NY 11545 c/o Genoa & Associates, P.C.
(Number, Street, City, State, Zip)

MAILING ADDRESS (If Different from Above): (Number & Street or PO Box, City, State, Zip)

PHONE (516) 759-7940 ( ) (Business, Emergency)

I HEREBY AFFIRM UNDER PENALTY OF PERJURY, THAT THE INFORMATION PROVIDED ON THIS FORM AND ANY ATTACHED FORMS, ARE TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF. FALSE STATEMENTS MADE HEREIN ARE PUNISHABLE AS A CLASS A MISDEMEANOR TO SECTION 210.45 OF THE PENAL LAW.

PRINT NAME: 48 Sewell Street LLC TITLE: owner

SIGNATURE: By: Henrietta L. Walker, Co-Executor DATE: 1/16/06

(Individual / Partnership / Corporation) Henrietta Walker, as Co-Executor of the Estate of Lindsay Hussian, member.

004/005

Thomas R. Suozzi
County Executive

Thomas E. Tilley
Fire Marshal

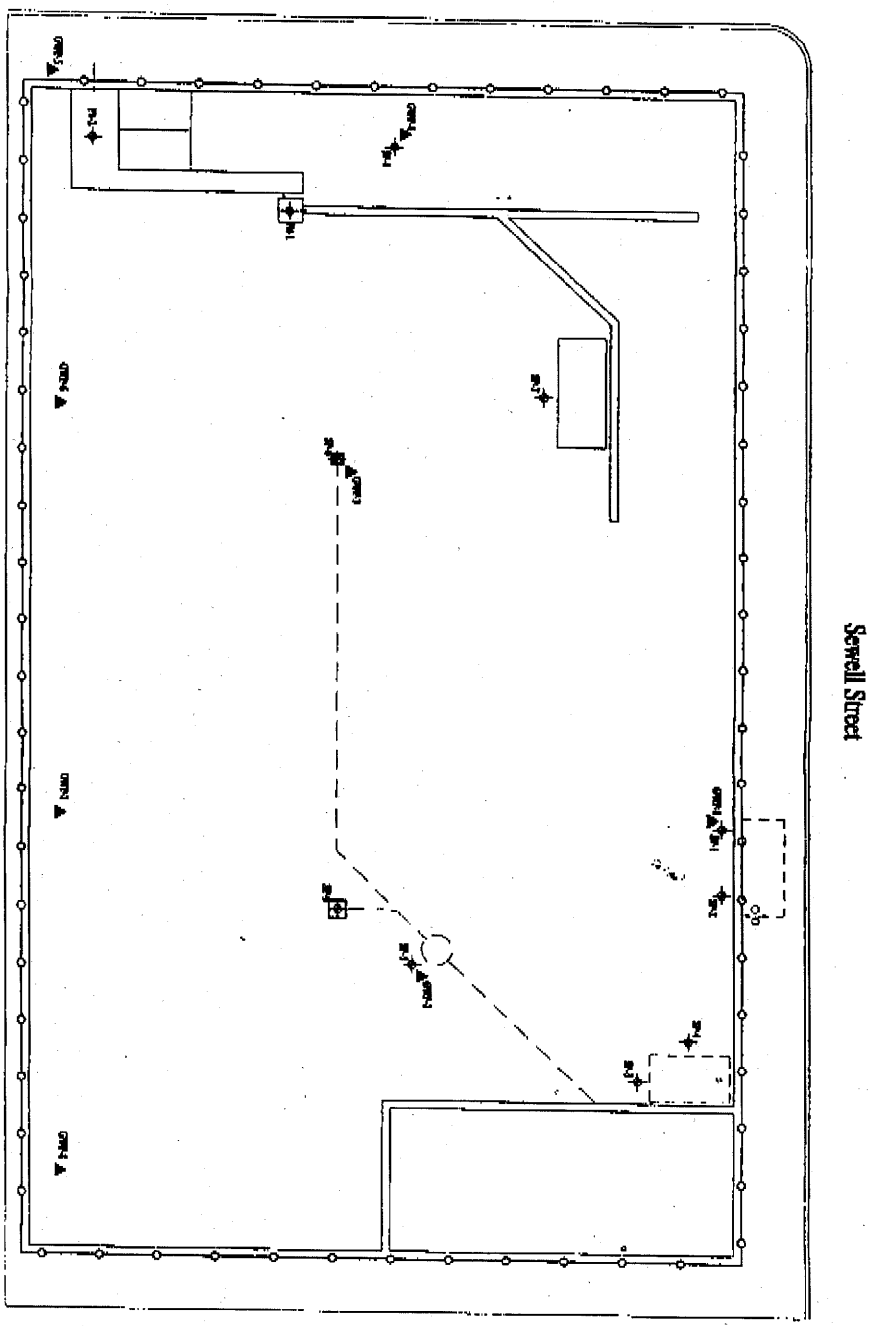
OFFICE OF THE FIRE MARSHAL
COUNTY OF NASSAU
Tank Registration Application
Storage Identification and Information

FOR OFFICE USE ONLY	
Date Application Received: 1-23-2006	Loc. ID #: 93664
Reviewed By: TAH	Date Reviewed: 1-23-06
New ☒ Renewal ☐ Modify ☐	
Date Entered In Computer: 1-23-06	Tank Registration Issued:
Registration Number:	Expiration Date:

Facility Name: Estate of Ludwig Hussein Jr.
Facility Address: 18 Sewell Street Hempstead N.Y.

ACTION	UNIT TYPE	CONSTRUCTION MATERIAL	UNIT NO.	MATERIAL CURRENTLY STORED: FOR OFFICE USE Tank ID #	MATERIAL CURRENTLY STORED: TECHNICAL NAME OF CONTENTS	DESIGN CAPACITY (GALLONS)	INSTALLATION DATE	LAST TEST OR INSPECTION DATE	STATUS	INTERNAL PROTECTION	EXTERNAL PROTECTION	LEAK DETECTION	METHOD OF TANK FILL	METHOD OF PRODUCT TRANSFER	PIPING CONSTRUCTION	SECONDARY CONTAINMENT	UL NUMBER OR ACCEPTABLE EQUIVALENT
5	H	B	Tank one	528 1310	Gasoline	1000	unknown	unknown	R	9					1		
5	H	B	Tank two	528 1311	Gasoline	1000	unknown	unknown	R	9					1		

01/24/2006 05:12 FAX



IMPACT ENVIRONMENTAL

IMPACT ENVIRONMENTAL
a division of Impact Environmental Consulting Inc.
1 Village Plaza
Kings Park, New York 11754

00-408A

Plate 2: Sample Acquisition Plan

Hempstead, New York

Legend:
- groundwater probe node
- soil probe node

scale: 1" = 15'

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of
	20878	

GENERATOR

3. Generator's Name and Mailing Address
48 Sewell St
LLC Hempstead NY [redacted]
4. Generator's Phone ( ) [redacted]

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
AARCO ENVIRONMENTAL SERVICES CORP.	N Y R 0 0 0 1 0 7 3 2 6	631-586-5900
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
[redacted] IPC Pennsylvania		

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. GASOLINE TANK BOTTOMS	001	TT	00200	G
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
[redacted]	

15. Special Handling Instructions and Additional Information
EMERGENCY PHONE # 631-586-5900

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposition of Hazardous Waste.

Printed/Typed Name William Schlageter — Signature [redacted] — Month 10 Day 24 Year 06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name [redacted] — Signature [redacted] — Month 10 Day 24 Year 06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month — Day — Year

FACILITY

19. Discrepancy Indication Space
#9 IPC. 505 South Market St.
Wilmington DE 1901

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name Tim Ford — Signature [redacted] — Month 10 Day 24 Year 06

ORIGINAL – RETURN TO GENERATOR

Phone: MO 7-5040

MID ISLAND SALVAGE CORPORATION

SCRAP IRON & METAL

1007 LONG ISLAND AVENUE
DEER PARK, NEW YORK 11729

License No _____ Date 1/25 19 06

M _____

Address AARCO

HEIGHT	AGE	WEIGHT	COLOR	TIME

QUANT	DESCRIPTION	AMOUNT
750	IRON	
	COPPER	
	COPPER	
	BRASS	
	LEAD	
	ALUMINUM	
	STAINLESS STEEL	
	BATTERIES	
	CAR	

MARTIN DEMASCO CO. INC

SCRAP IRON & METALS
633 WADLEIGH AVE.
WEST HEMPSTEAD, NY 11552
PHONE: (516) 483-9033 FAX: (516) 483-3836

Customer's Order No. _____ Date 1/24/06

SOLD TO

SOLD BY	MDSE. SOLD Cash	CHARGE	C.O.D.	MDSE. REC'D Cash	CREDIT	RECEIVED ACCT.	NOTE	MISC.	PD. OUT

QUAN.	SIZE AND KIND	DESCRIPTION	PRICE	AMOUNT
1500	LB	Steel	.0267	40.12

Received By Tom T

Tax

TOTAL $

20569

APPENDIX E

SOIL DISPOSAL MANIFESTS AND SITE PHOTOGRAPHS

Soil Safe

Material Characterization Report
Logan Township, New Jersey

Please complete all sections of the form, sign where indicated and return completed form to:

Soil Safe, Inc.
6700 Alexander Bell Dr., Suite 300, Columbia MD 21046
Phone: 410 872-3990 Fax: 410 872-9082

Project Information

Site Name: 48 Sewel Street, LLC

Address: 48 Sewel Street

City, State Zip: Hempstead, NY 11550 County: Nassau

Contact: Nick Ciampone / Francis Onaga

Phone: (516) 4892582 / 908 227-437 Fax: (516) 489 2585

Approximate Quantity: 1,500 Tons Unit of Measure: (Check One) ☐ Drums ☑ Tons ☐ Yards

Type of Contamination: ☐ Gasoline ☐ Diesel ☐ Fuel Oil ☐ Hydraulic Oil ☐ Heating Oil ☐ Kerosene ☐ Jet Fuel ☐ Motor Oil ☐ Used Oil

☒ Other (explain): Metals (Cd & Ni)

Are PCB's suspected or a known contaminant? ☐ Yes ☑ No

Are PAH's suspected or a known contaminant? ☐ Yes ☑ No

Contamination Source: ☐ UST ☐ AST ☑ Spill ☐ Historic

Other (explain):

Past Use of Site: ☑ Industrial ☐ Commercial ☐ Residential

Describe Past Use of Site: Plating Operations

Certifications

I, the undersigned, understand that any soil delivered to Soil Safe's facility that is found to be non-conforming will not be accepted for processing. I further understand that the Client shall be solely responsible for its removal. In the event that the Client does not remove the soils in a timely manner, Soil Safe, acting as agent for the Client, may arrange to have the soil removed and disposed of at a properly permitted facility at the Client's sole expense.

I, the undersigned, Certify that, to the best of my knowledge, the soil submitted for acceptance to Soil Safe does not contain Polychlorinated Byphenyls (PCB's), as defined by 40 CFR261, at levels greater than 2 ppm. I further certify that, to the best of my knowledge, the soil does not contain herbicides, pesticides, or any other constituents at levels which would cause the soil to be characterized as toxic or hazardous as defined by 40 CFR 261. I further certify that all documentation, including all soil analysis, that has been performed on the subject site has been provided to Soil Safe and that the soils have not been or are not presently the focus of a remediation for contaminants other than those that are being disclosed to Soil Safe, Inc.

I, the undersigned, am the generator or a properly authorized agent for the generator. By signing below I certify that I have been granted the authority to execute this document.

Print Name: FRANCIS ONAGA Company: CES Environmental Svs

Title: Hydrogeologist Signature: Fran Onaga

Rev: 2008.02

Soil Safe

Material Characterization Report
Logan Township, New Jersey

Sampling and Analysis Requirements for Residential or Commercial Sites
(No PCB's or PAH's are suspected or known)

Analysis	Method	Frequency
✓ TPH	8015	One composite every 100 cubic yards
VOC	8260	One grab every 800 cubic yards
Total Metals *Arsenic, Antimony, Barium, Beryllium, Cadmium, Copper, Lead, Nickel, Thallium, Zinc*	6010	One composite every 800 cubic yards
TCLP Metals *Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver*	1311/6010	One per Site
✓ Paint Filter	9095	One per Site

Sampling and Analysis Requirements for Industrial Sites, and Non-Qualifying Residential/ Commercial Sites (in addition to the above)

PCB's	8082	One composite every 800 cubic yards
PAH's	8270	One composite every 800 cubic yards

Additional Analysis

We understand that project volumes are estimates and many times volume increases will require additional testing to meet Soil Safe's Permit frequency requirements. Additional testing is the responsibility of each client. Arrangements can be made with Soil Safe to aid in additional testing. Please contact your Sales Representative to discuss any additional testing needs.

Load Inspection

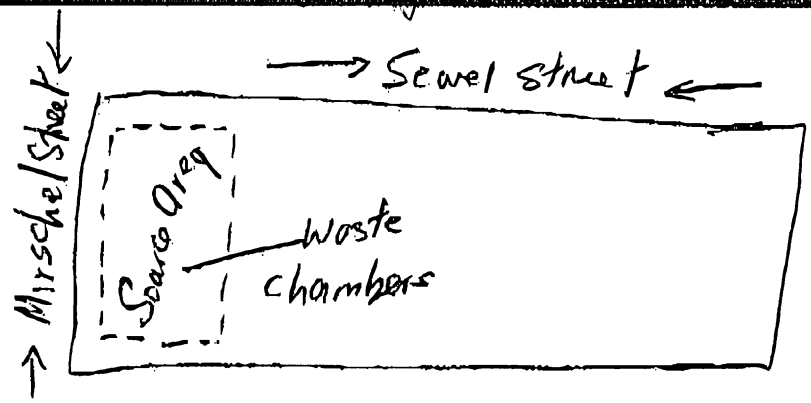
Every vehicle delivering soil will be inspected for commingled waste. Such wastes include concrete, asphalt, brick, block, non-recyclable trash, steel, and other recyclable materials. Any load found to contain greater than permitted levels will be considered non-conforming. (See below).

Sample and Analysis Certification

I certify that soils were sampled as noted above and the results are representative of the stated volume to be shipped to Soil Safe, Inc.

Signature: _____

Site Diagram (please sketch or attach drawing showing source of soil on project site)



Soil Safe

Material Characterization Report
Logan Township, New Jersey

Chain of Payment

The information below must be provided for billing purposes and is required for project approval.

Instructions
In order, starting with the generator and ending with Billing Company please provide the chain of payment for the project that you wish to have approved for acceptance by Soil Safe. Please contact Soil Safe with any questions you may have.

Generator Information

Generator 48 Sewel Street, LLC — Contact Nick Ciampone
Address 48 Sewel Street — City, State Zip Hempstead, NY 11550
Phone (516) 489 2582 — Fax (516) 489 2585

Company Champ Constructo Corp — Contact Nick Ciampone
Address 48 Madison Ave, Hempstead — City, State Zip Hempstead, NY 11550
Phone _____ — Fax _____

Company _____ — Contact _____
Address _____ — City, State Zip _____
Phone _____ — Fax _____

*If additional space is needed, please attach a separate sheet providing the information requested.

Billing Information

Company Champ Cometruction Corp — Contact Nick Ciampone
Address 48 Madison Avenue — City, State Zip Hempstead, NY 11550
Phone (516) 489 2582 — Fax (516) 489 2585

Chain of Payment Certification

I, the undersigned verify that the information provided above is true and accurate. The information is complete and follows the Chain of Payment, as it will occur upon invoice for the project. Any changes to this Chain will be reported to Soil Safe as soon as possible.

Print Name: FRANCIS ONAGA — Company: CES Environmental Svs
Title: Hydrogeologist — Signature: Francis Onaga

Rev: 2008.02

CHAIN OF CUSTODY

ETL
208 Route 109, Farmingdale, NY 11735
(Tel.) 631-249-1456 (Fax) 631-249-8344

09-12001
0912001
Rec'vd Date: 12/01/09 08:59

PAGE 03/03

Client Information		Project Information		Analytical Information
Company Name	CES Environmental	Project Name	Sewell	
Address	190 William St Suite 1C	Street	48 Sewell St	
City / State / Zip	South River NJ 08882	City / State / Zip	Hempstead NY	
Project Contact	Francis Onaga	Project #		
Phone # / Fax #		Sampler's Name	FRANCIS ONAGA	
E-mail	fonaga99@aol.com	Sampler's Signature		

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Sample Type	Matrix Code	Date	Time	Matrix (SW-Surface Water, GW-Groundwater, WW-Wastewater, DW-Drinking Water, SL-Sludge, S-Soil, OL-Oil, A-Air, O-Other)	Sample Containers: Number of Each Preserved Bottle — Total # of Bottles	HCl	HNO3	H2SO4	NaOH	Ascorbic Acid	NaHSO4	Zn Acetate	DI H2O	Other	Analytical Information: 8260 624 8021 602 BTEX MTBE; BA NAPH TCL STARS TCLP; 8270 625 TCL STARS HAE DAN; PAH TCLP; TIC: 10 15 25 +99; PEST PCB HERB TCLP; DRO GRO 8100; METALS TOTAL RCRA TAL TCLP; Mercury Dissolved; CN TSS FP pH REACT RIC
	Composite -1	C	S	11/27/09			1	1									X
	Composite-2	C	S				1	1									X
	Composite-3	C	S				1	1									X
	Composite-4	C	S				1	1									X
	Composite-5	C	S				1	1									X

Matrix Codes: L - Liquids; S - Soil; A - Air; OL - Oil; W - Water; PC - Paint Chips; SL - Sludge; SD - Solid; DISS - Dissolved

Sample Type: G=Grab; C=Composite; B=Blank

(LAB USE ONLY)

6312498344

10:05

12/02/2009

Turnaround Time (Business Days)

- [X] Standard 7-10 Business Days
- [ ] 5 Day RUSH
- [ ] 4 Day RUSH
- [ ] 3 Day RUSH
- [ ] 2 Day RUSH
- [ ] 1 Day RUSH

(LAB USE ONLY) TAT Approved By/Date:

Data Deliverable Information

- [X] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] AA QC Package (Level3AA)
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other: _____
- [ ] EDD Format: _____

(EDD Formats: Excel, PDF, DIS, GIS Key, TAGM)

Comments / Remarks

ETL COC Review Check List (LAB USE ONLY)

- [X] Task Log In and Initial Review — Init. JM — Date/Time: 12/1/09
- [ ] Final Review and Approval — Init. _____ — Date/Time. _____

Sample custody must be documented below each time samples change possession, with a signature, date, and time.

Relinquished by Sampler	Date/Time: 1	Received By	Date/Time: 2
Relinquished by:	Date/Time: 3	COOLER INFORMATION: Cooler Temp: 5°	pH:
Received by:	Received Time 4	[X] On Ice	[ ] Sample Receipt Discrepancy (attach information)

CHAIN OF CUSTODY

208 Route 109, Farmingdale, NY 11735
(T) 631-249-1456 (F) 631-249-8344
www.tyreeorg.com

(1)

(Place ETL Lab ID Label here)

Client Information

Company Name: CES Environmental Services
Address: 190 William St Suite 1C
City: South River State: NJ. Zip: 08882
Project Contact: Francis Onaga
Phone #: 908 227-4371 Fax #:
E-mail: fonaga99@aol.com

Project Information

Project Name: 48 Sewell St
Street: 48 Sewell St
City: Hempstead State: NY Zip:
Project #:
Sampler's Name: Francis Onaga
Sampler's Signature: Francis Onaga

Analytical Information

Matrix Codes: L - Liquid; S - Soil; A - Air; OL - Oil; W - Wipe; PC - Paint Chips; SL - Sludge; SD - Solid; DW - Drinking Water; DISS - Dissolved

Sample Type: G=Grab; C=Composite; B=Blank

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Sample Type	Matrix Code	Date	Time	Wt/Vol (Air Volume in Liters)	Total # of bottles	Number of Each Preserved Bottle: NONE	HCl	NaOH	HNO3	H2SO4	NaHSO4	MeOH	OTHER	Sample Type (LAB USE ONLY)
	Comp-1	G	S	3/13/15	10:15		1	✓								
	Comp-2	✓	✓	✓	10:17		1	✓								
	Comp-3	✓	✓	✓	10:20		1	✓								
	Comp-4	✓	✓	✓	10:22		1	✓								
	Comp-5	✓	✓	✓	10:25		1	✓								
	Comp-6	✓	✓	✓	10:27		1	✓								
	Comp-7	✓	✓	✓	10:30		1	✓								
	Comp-8	✓	✓	✓	10:33		1	✓								
	Comp-9	✓	✓	✓	10:35		1	✓								
	Comp-10	✓	✓	✓	10:37		1	✓								

Analytical Information:
- TPH (8015) GRO
- TCL □VOA □BNA □PEST □PCB □HERB □TCLP □VPH
- □EPH □DRO □GRO □8100 □NIOSH1500
- □METALS □TOTAL □RCRA □TCLP □Mercury
- □TAL □Dissolved
- □CN □TSS □FP □pH □REACT □RIC
- Paint Filter

Turnaround Time (Business Days)

- [ ] Standard 7-10 Business Days
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [X] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

LAB USE ONLY
TAT Approved By / Date:

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] MA QC Package (LevelMA)
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-4)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other _____
- [ ] EDD Format_____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OEN)

Comments / Remarks

ETL COC Review Check List (LAB USE ONLY)

- [ ] Client Log In and Initial Review — Init: _____ Date/Time: _____
- [ ] Final Review and Approval — Init: _____ Date/Time: _____
- [ ] Complete and Invoiced — Init: _____ Date/Time: _____

Sample custody must be documented below, each time samples change possession, with signature, date, and time.

	Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	Francis Onaga	3/13/15	1	2	2	2
3	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
		3	3	4	4	4

CHAIN OF CUSTODY

(2)

208 Route 109, Farmingdale, NY 11735
(T) 631-249-1456 (F) 631-249-8344
www.tyreeorg.com

(Place ETL Lab ID Label here)

Client Information

Company Name: CES Environmental Services
Address: 190 William St Suite 1C
City: South River State: NJ. Zip: 08882
Project Contact: Francis Onaga
Phone #: (908) 227-4371 Fax #:
E-mail: fonaga999@aol.com

Project Information

Project Name: 48 Sewell St
Street: 48 Sewell St
City: Hempstead State: NY Zip:
Project #:
Sampler's Name: Francis Onaga
Sampler's Signature: Francis Onaga

Analytical Information

☐8260 ☐624 ☐8021 ☐602 ☐BTEX ☐MTBE
☐BNA ☐ABN ☐PAH ☐PCB ☐STARS ☐TCLP
☐VOA ☐STARS ☐BTEX ☐STARS BAE ☐HIN
☐TPH ☐TIC ☐<10 ☐<15 ☐<25 ☐>25 ☐>99
☐PEST ☐PCB ☐HERB ☐TCLP ☐VPH
☐EPH ☐DRO ☐GRO ☐8100 ☐NIOSH1500
☐METALS ☐TOTAL ☐RCRA ☐TCLP ☐Mercury
☐TAL ☐Dissolved
☐CN ☐TSS ☐FP ☐pH ☐REACT ☐RIC
Paint Filter ✓

Matrix Codes

L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type

G=Grab
C=Composite
B=Blank

LAB SAMPLE # (LAB USE ONLY)	Sample Information: Sample ID	Sample Type	Matrix Code	Sample Collection: Date	Time	WW/Vol (Air Volume in Liters)	Sample Containers: Total # of bottles	Number of Each Preserved Bottle: NONE	HCl	NaOH	HNO3	H2SO4	NaHSO4	MeOH	OTHER	(LAB USE ONLY)
	Comp-11	C	S	3/15/10	10:42		1	1								

Turnaround Time (Business Days)

- ☐ Standard 7-10 Business Days
- ☐ 5 Day *RUSH*
- ☐ 4 Day *RUSH*
- ☐ 3 Day *RUSH*
- ☒ 2 Day *RUSH* ✓
- ☐ 1 Day *RUSH*

LAB USE ONLY
TAT Approved By / Date:

Data Deliverable Information

- ☐ Results Only (Level-1)
- ☐ Results plus Misc. QC (Level-2)
- ☐ Results plus ALL QC (Level-3)
- ☐ MA QC Package (LevelMA)
- ☐ NJ QC Package (Level3NJ)
- ☐ CLP Category A (Level-1)
- ☐ CLP Category B (Level-4)
- ☐ ASP QC Package (Level-4)
- ☐ Other _____
- ☐ EDD Format_____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENR)

Comments / Remarks

ETL COC Review Check List (LAB USE ONLY)

- ☐ Task Log in and Initial Review Init: _____ Date/Time: _____
- ☐ Final Review and Approval Init: _____ Date/Time: _____
- ☐ Complete and Invoiced Init: _____ Date/Time: _____

Sample custody must be documented below, each time samples change possession, with signature, date, and time.

	Relinquished By Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	Francis Onaga	3/15/10 1142	1	2	2	2
3	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
		3	3	4	4	4
	Relinquished by:	Date / Time:	Received By:			

COOLER INFORM

STAPLES **copy&printcenter**

Complimentary Self-Serve Fax Cover Sheet

To: Nick/Jackie

From: Francis

Fax #: (516) 489 2585

Phone #: (917) 478-8549

Date:

Reply Fax #:

Number of Pages (Including Cover):

Urgent ☐ Confidential ☑ Confirm Receipt ☐

Please review. I have faxed a copy to Soft Safe.
We need to staple ten TPH/One Ink Jets.
Thanks

We'll do it right the first time — guaranteed.

Black & white copies • Color copies • Custom printing • Binding • Folding • Wide-format copying • Custom stamps • UPS shipping and more

that was easy.

5/06bizsv_009815

SoilSafe.
Recycling of Contaminated Soil and Industrial Waste.
6700 Alexander Bell Drive, Suite 300, Columbia, MD 21046
(410) 872-3990, Fax (410) 872-3978

Invoice
51006

Bill To:	**Project:**
Champ Construction Corporation Attention: Nick Ciampone 48 Madison Avenue Hempstead, NY 11550	48 Sewell Street, LLC 48 Sewell Street Hempstead, NY 11550

APPROVAL #: L4-7086 **PROPOSAL #:** 21767 **PO #:**
INVOICED VOLUME OF SOIL #: 1,149.12 **# OF TRUCKS:** 36
INVOICE DATE: 3/30/10 **DUE DATE:** 4/29/10

BILLING PERIOD: 3/22/10 TO 3/25/10

DESCRIPTION:	UNITS INVOICED:		RATE:	PER UNITS:	AMOUNT:
Recycling & Transportation Fees - Tons	1,149.12	$	40.00	TONS	$ 45,964.80

674-9425 FAX

GROSS INVOICE	$ 45,964.80
SALES TAX	0.00
LESS: PREPAYMENTS	0.00
INVOICE TOTAL	$ 45,964.80

Contact:

**NOTE* Payments are Net 30 days. Overdue balances are subject to a 1.5% charge per month or the maximum allowed by law.*

Remit to: Soil Safe, Inc., P.O. Box 824062, Philadelphia, PA 19182-4062

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 Sewel Street, LLC

Address 48 sewell ST
Hempstead NY

Generator Site/Location 48 Sewel St/Hempstead

Address

Phone No.

Phone No.

Approval Number LH 7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

ID 444
GROSS 49.98 GROSS
TARE 13.40 T TARE
RECALLED
NET 36.58 T NET
LOG 13
03/22/2010
09:52AM
TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Tom Craig 3/22/09

Generator Authorized Agent Name | Signature | Shipment Date

TRANSPORTER

Transporter Name Motion Transport

Address PO Box 38
Woodbridge NJ

Driver Name (Print) Edwin Ramirez

Vehicle License No. / State / EPA No. AL/04/E

Truck Number 444

I hereby certify that the above named material was picked up at the generator site listed above.

Edwin R 3/22/10

Driver Signature | Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Edwin R 3/22/10

Driver Signature | Delivery Date

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130 Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

J. Garcia 3-22-10

Name of Authorized Agent | Signature | Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

loam

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 Sewell St, LLC

Generator Site/Location Same

Address 48 Sewell st
Hempstead, NY

Address

Phone No.

Phone No.

Approval Number
LI
7086

Description of Material

Non-Regulated Petroleum
Contaminated Soil

Non DOT/RCRA Regulated

ID 323 GROSS
GROSS 46.14 T TARE
TARE 13.67 T
RECALLED
NET 32.47 T NET
LOG 17
03/22/2010
10:46AM TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

from Cruz 3/22/10

Generator Authorized Agent Name | Signature | Shipment Date

TRANSPORTER

Transporter Name motion

Driver Name (Print) CARLOS

Address Box 38
Woodbridge NJ

Vehicle License No. / State / EPA No. AM709M

Truck Number 323

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature 03-22-10 Shipment Date

Driver Signature Delivery Date

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130 Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

J Garcia 3 22 10

Name of Authorized Agent | Signature | Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 SEWELL, LLC

Address 48 SEWELL ST

HEMPSTEAD NY

Phone No. _____

Generator Site/Location Same

Address _____

Phone No. _____

Approval Number L4 7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

ID .08
GROSS 49.04 T GROSS
RECALLED
TARE 14.39 T TARE
NET 34.65 T NET
LOG 19
03/22/2010 TONNAGE
10:50AM

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature Tom Quaga 3/22/10 Shipment Date

TRANSPORTER

Transporter Name motion transport

Address P.O. BOX 38

WOODBRIDGE NJ

Driver Name (Print) IRWIN CORREA

Vehicle License No. / State / EPA No. AL 359R/NJ

Truck Number BELMOR #08

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature _____ 03-22-2010 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ 03-22-2010 Delivery Date

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130 Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature J. Garcia 3/22/10 Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

6am

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 Sewell St, LLC

Address 48 Sewell St

Hempstead, NY

Phone No.

Generator Site/Location Same

Address

Phone No.

Approval Number
LI
7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

ID 1081

GROSS 49.02 T GROSS

TARE 12.14 T TARE

RECALLED

NET 36.88 T NET

LOG 20

03/22/2010 10:53AM

TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name | Signature | Shipment Date 3/22/10

TRANSPORTER

Transporter Name Motion

Address 30x38

Woodbridge

Driver Name (Print) José Montañez

Vehicle License No. / State / EPA No. AM253C

Truck Number 02

I hereby certify that the above named material was picked up at the generator site listed above.

José Montañez 3-22-10

Driver Signature | Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

José Montañez 3-22-10

Driver Signature | Delivery Date

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130 Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent | Signature J. Garcia | Receipt Date 3 22 10

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

loam

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 Sewell Street, LLC
Address 48 Sewell St
Hempstead, NY
Phone No.

Generator Site/Location Same
Address
Phone No.

Approval Number LI 7086

Description of Material: Non-Regulated Petroleum Contaminated Soil; Non DOT/RCRA Regulated

ID 219 GROSS
GROSS 46.30 TARE
TARE 13.81 T
RECALLED NET
NET 32.49 T NET
LOG 21 TONNAGE
03/22/2010
10:56AM

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Tom Cinque 3/22/10

Generator Authorized Agent Name | Signature | Shipment Date

TRANSPORTER

Transporter Name Motion
Address 30x38
Woodbridge

Driver Name (Print) P GUSTAVO ALMANZA
Vehicle License No. / State / EPA No. P
Truck Number P 219

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature | Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature | Delivery Date

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130 Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.
Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

J. Garcia 3.22.10

Name of Authorized Agent | Signature | Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

loam

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 Sewell St, LLC Generator Site/Location Same

Address 48 Sewell St Address

Hempstead, NY

Phone No. Phone No.

Approval Number L4 7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

ID 1067 GROSS
GROSS 46.29 T
TARE 11.44 T TARE
RECALLED
NET 34.85 T NET
LOG 22
03/22/2010 TONNAGE
10:57AM

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Signature 3/22/10 Shipment Date

TRANSPORTER

Transporter Name Motion Driver Name (Print) CLAUDIO FISKUSKI

Address Box 38 Vehicle License No. / State / EPA No. AM601C

Woodbridge Truck Number 1067

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature Delivery Date

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130 Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

J. Cara 3 22 10

Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

loam

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 Sewell St, LLC

Address 48 Sewell St
Hempstead, NY

Phone No. _____

Generator Site/Location Same

Address _____

Phone No. _____

Approval Number
LI
7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

ID 893
GROSS 46.52 T GROSS
TARE 12.79 T TARE
RECALLED
NET 33.73 T NET
LOG 36
03/22/2010
12:33PM
TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 3/22/10

TRANSPORTER

Transporter Name Motion

Address Box 38
Woodbridge NJ

Driver Name (Print) WALTER

Vehicle License No. / State / EPA No. ACG 779

Truck Number 893

I hereby certify that the above named material was picked up at the generator site listed above.

W.A 3/22
Driver Signature Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

W.A 3/22
Driver Signature Delivery Date

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130, Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

J. Garcia 3.22.10
Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

loam.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 Sewell St, LLC

Address 48 Sewell St
Hempstead NY

Phone No.

Generator Site/Location Same

Address

Phone No.

Approval Number LI 7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

ID 909 GROSS
GROSS 41.91 T
TARE 12.93 T TARE
RECALLED
NET 28.98 T NET
LOG 37
03/22/2010 TONNAGE
12:35PM

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name | Signature | Shipment Date 3/22/10

TRANSPORTER

Transporter Name Motion

Address Box 38
Woodbridge NJ

Driver Name (Print) AL YUHASZ

Vehicle License No. / State / EPA No. AK678G

Truck Number M-302/909

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature | Shipment Date 3-22-10

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature | Delivery Date 3-22-10

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130, Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent | Signature J. Garcia | Receipt Date 3.22.10

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

bain

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 Sewell St, LLC

Address 48 Sewell St

Hempstead, NY

Phone No. _____

Generator Site/Location _____

Address SAME

Phone No. _____

Approval Number LI 7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

ID 894 GROSS

GROSS 47.52 T

TARE 12.97 T TARE

RECALLED

NET 34.55 T NET

LOG 38

03/22/2010 TONNAGE

12:42PM

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature [signature] Shipment Date 3/22/10

TRANSPORTER

Transporter Name motion

Address Box 38

Woodbridge NJ

Driver Name (Print) MARCOS DEOLIVEIRA

Vehicle License No. / State / EPA No. AK6816

Truck Number 304

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature [signature] Shipment Date _____

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature [signature] Delivery Date _____

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130, Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature J Garcia Receipt Date 3 22 10

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

loam

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 Sewell St, LLC Generator Site/Location Same

Address 48 Sewell St
Hempstead, NY

Address

Phone No. Phone No.

Approval Number
LI
7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

ID 910

GROSS	48.95 T	GROSS
TARE	13.15 T	TARE
RECALLED		
NET	35.80 T	NET

LOG 39
03/22/2010
01:04PM

TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Signature Shipment Date 3/22/10

TRANSPORTER

Transporter Name Motion Driver Name (Print) ERNESTO

Address Box 38
Woodbridge NJ

Vehicle License No. / State / EPA No. AK6806-NJ

Truck Number 303 — SS# 910

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature 03-22-10 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature 03-22-10 Delivery Date

DESTINATION

Site Name Soil Safe, Inc. - Bridgeport Phone No. 1-856-467-8030

Address 378 Route 130 Logan Township, NJ 08085

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent Signature J. Garcia Receipt Date 3.22.10

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 Sewell St, LLC

Address 48 Sewell ST
Hempstead NY

Phone No. _____

Generator Site/Location _____

Address Same

Phone No. _____

Approval Number 4 7086

Description of Material

Non-Regulated Petroleum
Contaminated Soil

Non DOT/RCRA Regulated

ID 444

GROSS	47.12	GROSS T
TARE	13.40	TTARE
RECALLED		
NET	33.72	T NET

LOG 55
03/22/2010 05:46PM TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 3/22/10

TRANSPORTER

Transporter Name Motion Transport

Address PO Box 38
Woodbridge NJ

Driver Name (Print) Edwin Ramirez

Vehicle License No. / State / EPA No. AL104L

Truck Number 444

I hereby certify that the above named material was picked up at the generator site listed above.

Edwin R 3/22/10
Driver Signature Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Edwin R 3/22/10
Driver Signature Delivery Date

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130 Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.
Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

_____ Garcia 3 22 10
Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 Street, LLC

Address 48 SEWELL ST / Hempstead NY
HEMPSTEAD. NY

Generator Site/Location Same

Address

Phone No.

Phone No. ID 515

Description of Material

Non-Regulated Petroleum
Contaminated Soil
Non DOT/RCRA Regulated

Approval Number LY 7086

GROSS 46.19 T
TARE 13.05 GROSS
RECALLED
NET 33.14 T TARE
LOG S6
03/22/2010 NET
06:03PM
TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name — Signature — Shipment Date 3/22/10

TRANSPORTER

Transporter Name TEEPA EXPRESS 2

Address 27 Second ST
old Bridge NJ

Driver Name (Print) OSCAR Solano

Vehicle License No. / State / EPA No. AM536E

Truck Number 2

I hereby certify that the above named material was picked up at the generator site listed above.

Oscar Solano
Driver Signature — Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 3/22/10 Delivery Date

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130 Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.
Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — A. Carao Signature — 3/22/10 Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name LC

Address 48 SEWELL ST
HEMPSTEAD. NY

Phone No.

Generator Site/Location

Address

Phone No.

Approval Number 24 7086

Description of Material

Non-Regulated Petroleum
Contaminated Soil
Non DOT/RCRA Regulated

ID 323 GROSS
GROSS 45.51 T
TARE 13.67 T TARE
RECALLED
NET 31.84 T NET
LOG 57
03/22/2010 TONNAGE
06:11PM

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name | Signature | Shipment Date 3/22/10

TRANSPORTER

Transporter Name Mot. on

Address Box 38
WDBG. NJ

Driver Name (Print) CARLOS

Vehicle License No. / State / EPA No. AM709M

Truck Number 323

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature | Shipment Date 03-22-10

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature | Delivery Date

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130 Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.
Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent | Signature | Receipt Date 3 22 10

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 46 Sawell St LLC Generator Site/Location SAME

Address 46 Sewell st Address

Heups Heat NJ

Phone No. Phone No.

Approval Number 24 7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

ID 1081

GROSS	46.90	GROSS T
TARE	12.14	TTARE
RECALLED NET	34.76	T NET

LOG 1
03/23/2010
07:10AM

TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Tom Curcio 3/10

Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name Motion Driver Name (Print) José MoreJon

Address Box 38 Vehicle License No. / State / EPA No. AM253C

Woodbridge NJ Truck Number 02 1081

I hereby certify that the above named material was picked up at the generator site listed above.

José MoreJon 3-22-10

Driver Signature Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

José MoreJon 3-22-10

Driver Signature Delivery Date

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130 Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

J. Garcia 3.23.10

Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 SEWELL ST. Generator Site/Location SAME

Address 48 SEWELL ST Address

HEMPSTEAT, N.Y.

Phone No. Phone No.

Approval Number 7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

ID 219

GROSS 46.77 T GROSS

TARE 13.81 T TARE

RECALLED

NET 32.96 T NET

LOG 2

03/23/2010 07:12AM TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name | Signature | Shipment Date 3/22/10

TRANSPORTER

Transporter Name MOTION Driver Name (Print) GUSTAVO ALMANZAN

Address BOX 38 Vehicle License No. / State / EPA No.

WOODBRIDGE Truck Number #4

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature | Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature | Delivery Date 3-22-10

DESTINATION

Site Name Soil Safe, Inc. - Bridgeport Phone No. 1-856-467-8030

Address 378 Route 130, Logan Township, NJ 08085

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent | Signature J. Garcia | Receipt Date 3 23 10

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 SEWELL ST Generator Site/Location SAME

Address 48 SEWELL ST Address

HEMPSTEAD, N.Y.

Phone No. Phone No.

Approval Number 4 7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

ID 1067

GROSS 45.00 T GROSS

TARE 11.44 T TARE

RECALLED

NET 33.56 T NET

LOG 3

03/23/2010 07:14AM TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Signature 3/24/10 Shipment Date

TRANSPORTER

Transporter Name MOTION Driver Name (Print) CLAUDIO TISKUSKI

Address BOX 38 Vehicle License No. / State / EPA No. AM 601C

WOODBRIDGE Truck Number 1067

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature Delivery Date

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130, Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

J. Garcia 3.23.10

Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 Sewell St LLC

Address 48 Sewell St/Hempstead NY

Phone No.

Generator Site/Location

Address

Phone No.

Approval Number 7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

ID .03
GROSS 48.62 T GROSS
RECALLED
TARE 13.90 T TARE
NET 34.72 T NET
LOG 4
03/23/2010
07:16AM TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name | Signature | Shipment Date 3/22/10

TRANSPORTER

Transporter Name TERRA EXP LLC

Address

Driver Name (Print) WALTON SILVA

Vehicle License No. / State / EPA No. AM 144L

Truck Number # 03

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature | Shipment Date 03/22/10

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature | Delivery Date 03/22/10

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130 Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

NEW JERSEY

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent | Signature J. Garcia | Receipt Date 3.23.10

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 Sewell ST LLC

Address 48 Sewell ST
Hempstead, NY

Phone No.

Generator Site/Location

Address SAME

Phone No.

Approval Number 7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

GROSS 44.32 T
TARE
NET
TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name | Signature | Shipment Date 3/22/10

TRANSPORTER

Transporter Name TRIPA Express #1

Address 27 Second ST
Old Bridge, NJ 08857

Driver Name (Print)

Vehicle License No. / State / EPA No. AM33K

Truck Number #1

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature | Shipment Date 3/22/10

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature | Delivery Date 03/22/10

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130 Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.
Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent | Signature | Receipt Date 3-22-10

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 sewell STll Generator Site/Location _____

Address 48 Sewell ST Address Stmp

Hempstead, NY

Phone No. _____ Phone No. _____

Approval Number: 7086

Description of Material: Non-Regulated Petroleum Contaminated Soil; Non DOT/RCRA Regulated

ID .001 GROSS
GROSS 49.98 T TARE
RECALLED
TARE 13.34 T
NET 36.64 T NET
LOG 6
03/23/2010 TONNAGE
07:18AM

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 3/22/10

TRANSPORTER

Transporter Name DI Trucking Driver Name (Print) Danilo

Address 391 Fairmount Av Vehicle License No. / State / EPA No. AK988L

Newark-NJ 07103 Truck Number 01 .001

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature _____ Shipment Date 03/22/10

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Delivery Date 03/22/10

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130 Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature J. Garcia Receipt Date 3.23.10

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 Sewell St, LLC Generator Site/Location

Address 48 Sewell Street/Hopstead Address Same.

Phone No. Phone No.

Approval Number LH 7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

ID .07
GROSS 41.66 T GROSS
RECALLED
TARE 13.12 T TARE
NET 28.54 T NET
LOG 7
03/23/2010
07:27AM TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Signature 3/22/10 Shipment Date

TRANSPORTER

Transporter Name ZINA AM-611B Driver Name (Print) Joe Ramos.

Address Colonia NJ Vehicle License No. / State / EPA No. AM-611B

Truck Number 07

I hereby certify that the above named material was picked up at the generator site listed above.

Joe D. Ramos S. 3/23/10

Driver Signature Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Joe D Ramos S. 3.23.10

Driver Signature Delivery Date

DESTINATION

Site Name Soil Safe, Inc. - Bridgeport Phone No. 1-856-467-8030

Address 378 Route 130 Logan Township, NJ 08085

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent d. Garcia Signature 3.23.10 Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name ~~Sunoco~~ 48 Sewell St. LLC

Address ~~164 Columbia TRP~~ 48 Sewell Street

Phone No. _____

Generator Site/Location _____

Address _____

Phone No. _____

Approval Number L4 7086 ~~ET 3~~

Description of Material: Non-Regulated Petroleum Contaminated Soil; Non DOT/RCRA Regulated

ID .08
GROSS 44.21 GROSS
RECALLED
TARE 14.09 TTARE
NET 30.12 T
LOG 8 NET
03/23/2010
07:29AM TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Frank Craig 3/22/10

Generator Authorized Agent Name | Signature | Shipment Date

TRANSPORTER

Transporter Name ZELIA TKG. Driver Name (Print) Jesus M.

Address 175 JORDAN RD. COLONIA NJ Vehicle License No. / State / EPA No. AM612B

Truck Number #08 3.23.10

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature _____ Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Delivery Date

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130 Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

J. Garaci 3.23.10

Name of Authorized Agent | Signature | Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 SEWELL, L.L.C

Address 48 SEWELL ST.
HEMPSTEAD, NY

Phone No. _____

Generator Site/Location _____

Address SAME

Phone No. _____

Approval Number L4 7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

ID .008
GROSS 48.52 GROSS
RECALLED
TARE 14.44 T TARE
NET 34.08 T NET
LOG 9
03/23/2010
07:30AM TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ 3/22/10 Shipment Date

TRANSPORTER

Transporter Name MOTION TRANSPORTATION Driver Name (Print) IRWIN CORREA

Address P.O. BOX 38
WOODBRIDGE, NJ

Vehicle License No. / State / EPA No. AL359R/N.J

Truck Number BELMOR #08 008

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature _____ 03.22.2010 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Delivery Date

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130 Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature J Garcia 3.23.10 Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 Sewell St LLC

Address 48 Sewell ST
Hempstead NY

Phone No.

Generator Site/Location

Address Same

Phone No.

Approval Number L4 7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

ID 444
GROSS 52.18 GROSS
TARE 13.40 T TARE
RECALLED
NET 38.78 T NET
LOG 26
03/23/2010
09:49AM TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Tim Lenagh 3/23/10

Generator Authorized Agent Name | Signature | Shipment Date

TRANSPORTER

Transporter Name MOTION TRANSPORT

Address PO BOX 38
Woodbridge NJ

Driver Name (Print) Edwin Ramirez

Vehicle License No. / State / EPA No. AL104E

Truck Number 444

I hereby certify that the above named material was picked up at the generator site listed above.

Edwin R 3/23/10

Driver Signature | Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Edwin R 3/23/10

Driver Signature | Delivery Date

DESTINATION

Site Name Soil Safe, Inc. - Bridgeport Phone No. 1-856-467-8030

Address 378 Route 130 Logan Township, NJ 08085

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

J. Garau 3 23 10

Name of Authorized Agent | Signature | Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 Sewel St, LLC

Address 48 SEWELL ST
HEMPSTEAD, NY

Phone No. _____

Generator Site/Location _____

Address _____

Phone No. _____

Approval Number 24 7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

ID 323
GROSS 48.76 T GROSS
TARE 13.67 T TARE
RECALLED
NET 35.09 T NET
LOG 30
03/23/2010 TONNAGE
09:58AM

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 3/23/10

TRANSPORTER

Transporter Name Motion Earth Haulers

Address Bay 38
Wdbg. NJ

Driver Name (Print) CARLOS

Vehicle License No. / State / EPA No. AM709M

Truck Number _____

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature _____ Shipment Date 03-24-10

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Soil Safe, Inc. - Bridgeport Phone No. 1-856-467-8030

Address 378 Route 130, Logan Township, NJ 08085

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature J Garcia Receipt Date 3 23 10

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

loam

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 Sewell St, LLC Generator Site/Location Same

Address 48 Sewell St
Hempstead, NY

Address

Phone No.

Phone No.

Approval Number LLI 7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

ID 658
GROSS 49.07 T GROSS
TARE 13.31 T TARE
RECALLED
NET 35.76 T NET
LOG 32
03/23/2010
10:10AM
TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Signature Shipment Date 3/23/10

TRANSPORTER

Transporter Name Motion Driver Name (Print) Johnathan V

Address Box 38
Woodbridge NJ Vehicle License No. / State / EPA No. AM252C

Truck Number 658

I hereby certify that the above named material was picked up at the generator site listed above.

Johnathan V 3/23/10
Driver Signature Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Johnathan V
Driver Signature Delivery Date

DESTINATION

Site Name Soil Safe, Inc. - Bridgeport Phone No. 1-856-467-8030

Address 378 Route 130 Logan Township, NJ 08085

No left turn on Rt. 130 Northbound to the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

J Garcia 3 23 10
Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 Sewell St, LLC

Address 48 Sewell St
Hempstead, NY

Phone No.

Generator Site/Location

Address Same

Phone No.

Approval Number 24
7086

Description of Material

Non-Regulated Petroleum
Contaminated Soil

Non DOT/RCRA Regulated

ID 505
GROSS 46.50 T GROSS
TARE 14.15 T TARE
RECALLED
NET 32.35 T NET
LOG 40
03/23/2010
10:51AM TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Tim Clancy Signature 3/23/10 Shipment Date

TRANSPORTER

Transporter Name TERRA EXPRESS #2

Address 27 Second St
Old Bridge NJ

Driver Name (Print) OSCAR SOLANO 515

Vehicle License No. / State / EPA No. AM536E

Truck Number 2 505

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature 3/23/10 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature 3/23/10 Delivery Date

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130 Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.
Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent Signature 3/23/10 Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 Sewell ST, LLC

Address 48 Sewell St
Hempstead, NY

Phone No.

Generator Site/Location

Address SAME

Phone No.

Approval Number: 7086

Description of Material: Non-Regulated Petroleum Contaminated Soil; Non DOT/RCRA Regulated

ID .01
GROSS 42.07 T GROSS
RECALLED
TARE 13.17 T TARE
NET 28.90 T NET
LOG 67
03/23/2010 TONNAGE
05:18PM

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name | Signature | Shipment Date: 3/23/10

TRANSPORTER

Transporter Name Terra Express #1

Address 27 Second ST
Old Bridge, NJ

Driver Name (Print) CARLOS PINTO

Vehicle License No. / State / EPA No. AM398

Truck Number #1

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature | Shipment Date: 03/23/10

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature | Delivery Date: 03/23/10

DESTINATION

Site Name Soil Safe, Inc. - Bridgeport Phone No. 1-856-467-8030

Address 378 Route 130 Logan Township, NJ 08085

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent | Signature: J. Garcia | Receipt Date: 3 23 10

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 Sewell ST LLC Generator Site/Location _____

Address 48 Sewell ST Address Same

Hampstead NY

Phone No. _____ Phone No. _____

Approval Number: 7086

Description of Material: Non-Regulated Petroleum Contaminated Soil; Non DOT/RCRA Regulated

ID .001 GROSS
GROSS 43.55 TTARE
RECALLED TARE
NET 13.10 T NET 30.45 T
LOG 68
03/23/2010 TONNAGE
05:20PM

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Tom Owens 3/23/10

Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

AK9881

Transporter Name DF #01 Driver Name (Print) Danilo

Address 391 Fairmount Av Vehicle License No. / State / EPA No. AK9881

Newark-NJ 07103 Truck Number #01 001 agent

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature 03/23/10 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature 03/23/10 Delivery Date

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130 Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

J. Garcia 3.23.10

Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 46 Sewell St, LLC

Address 48 Sewell St - Hempstead, NY

Phone No.

Generator Site/Location

Address Same

Phone No. 10 .03

Approval Number 7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

GROSS 44.81 GROSS
RECALLED
TARE 13.62 TARE
NET 31.19 T NET
LOG 69
03/23/2010
05:33PM TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name | Signature | 3/22/10 Shipment Date

TRANSPORTER

Transporter Name TERRA EXP. LLC

Address 27 SECOND ST OLD BRIDGE

Driver Name (Print) WALTON SILVA

Vehicle License No. / State / EPA No. AM 144L

Truck Number #03

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature | 03/23/10 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature | 03/23/10 Delivery Date

DESTINATION

Site Name Soil Safe, Inc. - Bridgeport Phone No. 1-856-467-8030

Address 378 Route 130 Logan Township, NJ 08085

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent | J. Garcia Signature | 3.23.10 Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

loam

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name _____ Generator Site/Location Same

Address 48 Sewell St
Hempstead, NY

Address _____

Phone No. _____ Phone No. _____

Approval Number
LI
7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

ID 219 GROSS
GROSS 46.49 T
TARE 13.81 T TARE
RECALLED
NET 32.68 T NET
LOG
03/24/2010 TONNAGE
07:05AM

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Nicole

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Transporter Name Motion

Address Box 38
Woodbridge NJ

Driver Name (Print) X

Vehicle License No. / State / EPA No. X

Truck Number 1

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature _____ Shipment Date _____

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Delivery Date 7-23-10

DESTINATION

Site Name Soil Safe, Inc. - Bridgeport Phone No. 1-856-467-8030

Address 378 Route 130, Logan Township, NJ 08085

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Nicole Garcia 32410

Name of Authorized Agent _____ Signature _____ Receipt Date _____

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

loam

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name _____ Generator Site/Location _____

Address 48 Sewell St Address _____

Hempstead, NY

Phone No. _____ Phone No. _____

Approval Number LI 7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

ID 1067
GROSS 41.81 T GROSS
TARE 11.44 T TARE
RECALLED
NET 30.37 T NET
LOG 2
03/24/2010
07:07AM
TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Transporter Name motion Driver Name (Print) CLAUDIO FISKUSKI

Address Box 38 Vehicle License No. / State / EPA No. AM 601C

Woodbridge NJ Truck Number 1067

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature _____ Shipment Date _____

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____ Delivery Date _____

DESTINATION

Site Name Soil Safe, Inc. - Bridgeport Phone No. 1-856-467-8030

Address 378 Route 130, Logan Township, NJ 08085

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature J. Garcia Receipt Date 3.24.10

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name _____ Generator Site/Location Same

Address 48 Sewell St, LLC Address _____

Hempstead, NY Same

Phone No. _____ Phone No. _____

Approval Number 11 7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

ID 910 GROSS

GROSS 31.12 T

TARE 13.15 T TARE

RECALLED

NET 17.97 T NET

LOG 3

03/24/2010 TONNAGE

07:12AM

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Tom Chiaia 3/23/10

Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name Motion Driver Name (Print) ERNESTO

Address BOX 38 Vehicle License No. / State / EPA No. K680G-NJ

Woodbridge NJ Truck Number 303 SS# 910

I hereby certify that the above named material was picked up at the generator site listed above.

Ernesto 03-23-10

Driver Signature Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Ernesto 03-23-10

Driver Signature Delivery Date

DESTINATION

Site Name Soil Safe, Inc. - Bridgeport Phone No. 1-856-467-8030

Address 378 Route 130 Logan Township, NJ 08085

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

J Garcia 3 24 10

Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 Sewell St, LLC

Address 48 Sewell St

Hempstead NY

Phone No.

Generator Site/Location Same

Address

Phone No.

Approval Number L4 7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

ID 909
GROSS 30.24 T
TARE 12.93 T
RECALLED
NET 17.31 T
LOG 4
03/24/2010
07:17AM

GROSS
TARE
NET
TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Tom Cacco 3/23/10

Generator Authorized Agent Name | Signature | Shipment Date

TRANSPORTER

Transporter Name Motion Trans.

Address Box 38

Woodbridge NJ

Driver Name (Print) AL YUHASZ

Vehicle License No. / State / EPA No. AK678G

Truck Number M-302/909

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature 3-23-10 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature 3-24-10 Delivery Date

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130 Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent | Signature: T Garcio | Receipt Date: 3-24-10

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 48 Sewell St, LLC Generator Site/Location Same

Address 48 Sewell St Address

Hempstead, NY

Phone No. Phone No.

Approval Number 41 7086

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

ID 894
GROSS 31.25 GROSS
TARE 12.97 T
RECALLED TARE
NET 18.28 T
LOG 5 NET
03/24/2010
07:19AM TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Signature 3/23/10 Shipment Date

TRANSPORTER

Transporter Name Motion Driver Name (Print) MARCOS DEOLIVEIRA

Address Box 38 Vehicle License No. / State / EPA No. AK 6816

Woodbridge NJ Truck Number 304

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature Delivery Date

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130 Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

J Garcia 3.24.10

Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name _____ Generator Site/Location Same

Address 48 Sewell St Address _____

Hempstead NY

Phone No. _____ Phone No. _____

ID 658
GROSS 46.10 T GROSS
TARE 13.31 T TARE
RECALCED
NET 32.79 T NET
LOG 1
03/25/2010
07:05AM TONNAGE

Approval Number 7056

Description of Material

Non-Regulated Petroleum Contaminated Soil

Non DOT/RCRA Regulated

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

_____ _____ _____

Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name Motion Transport Driver Name (Print) Johnathan V

Address 58 Box Woodbridge NJ Vehicle License No. / State / EPA No. AM252C

_____ Truck Number 63P

I hereby certify that the above named material was picked up at the generator site listed above.

Johnathan V 3/24/10

Driver Signature Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Johnathan V

Driver Signature Delivery Date

DESTINATION

Site Name Soil Safe, Inc. - Bridgeport Phone No. 1-856-467-8030

Address 378 Route 130 Logan Township, NJ 08085

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

_____ _____ J. Garcia 3/25/10

Name of Authorized Agent Signature Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Log Number 7086

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name _____ Generator Site/Location _____

Address _____ Address 48 Sewell St

_____ Hempstead N.Y

Phone No. _____ Phone No. _____

Approval Number 7086

Description of Material: Non-Regulated Petroleum Contaminated Soil; Non DOT/RCRA Regulated

ID 1067
GROSS 42.68 T GROSS
TARE 11.44 T TARE
RECALLED
NET 31.24 T NET
LOG 47
03/25/2010
01:12PM
TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Nicole G 3/24/10

Generator Authorized Agent Name | Signature | Shipment Date

TRANSPORTER

Transporter Name Motion trans Driver Name (Print) Vinni

Address Box 38 Vehicle License No. / State / EPA No. Am601C

Woodbridge Truck Number 3 1067

I hereby certify that the above named material was picked up at the generator site listed above.

VM 3/24/10

Driver Signature | Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

VM 3/24/10

Driver Signature | Delivery Date

DESTINATION

Site Name **Soil Safe, Inc. - Bridgeport** Phone No. **1-856-467-8030**

Address **378 Route 130 Logan Township, NJ 08085**

No left turn on Rt. 130 North into the facility.

Business hours are: Monday through Friday 7 AM to 5 PM. 5 PM to 10 PM By Appointment only. Saturday by appointment only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Nicole G 3/25/10

Name of Authorized Agent | Signature | Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE INCORPORATED
CERTIFICATE OF RECYCLE

Soil Safe Incorporated has accepted **1,149.12** tons of non-hazardous, petroleum contaminated soil, transported on **36** truck(s) from:

48 Sewell Street

Hempstead, NY

Under approval number # L4-7086, and billed under invoice # 51006

This material was contracted by and between Soil Safe, Inc. and Champ Construction Corporation, Broker, Contractor or Agent, representing 48 Sewell Street, LLC , the generator.

This material was analyzed prior to acceptance by a certified soils techician to determine soil components and specific product usage. Soil Safe Incorporated has taken full responsibility for this material; including safe handling, processing, storage and reuse. We hereby certify that all of the above was executed in accordance with all existing laws and regulations.

Soil Safe, Inc. certified on Tuesday, March 30, 2010 that this material has been recycled into an environmentally benign product.

State of Maryland

My Commission expires: December 1, 2010

As sworn to me this 30 day of March 2010

_____ Notary

CERTIFICATE ISSUED TO:

Champ Construction Corporation

48 Madison Avenue

Hempstead, NY 11550

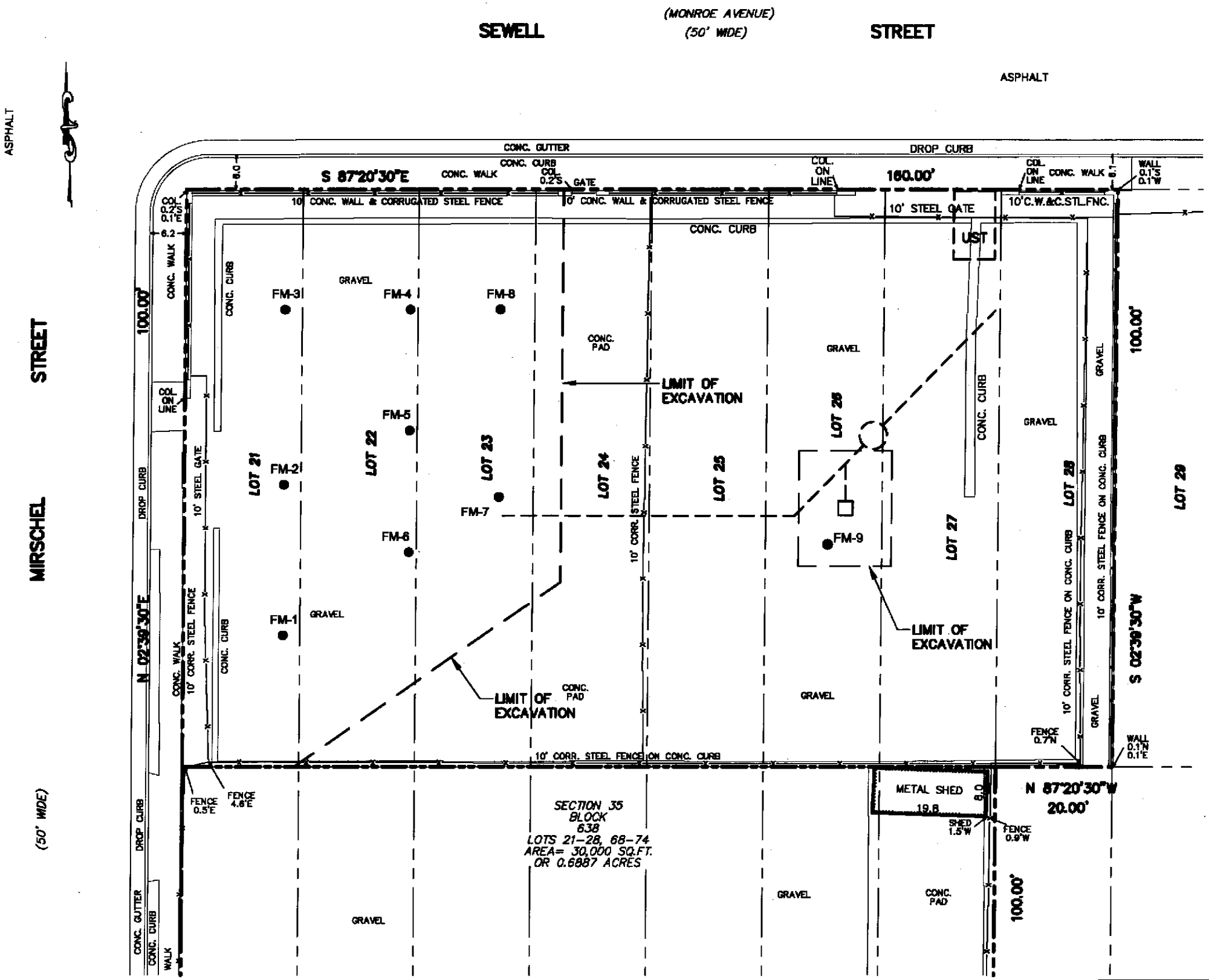
GENERATOR:

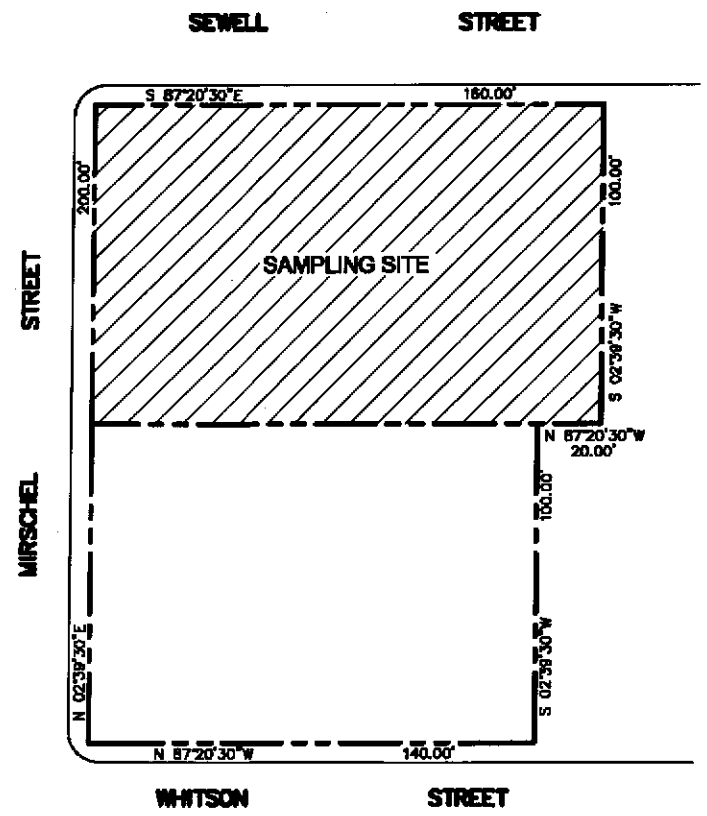
48 Sewell Street, LLC

Soil Safe Incorporated is a corporation committed to the safe handling, processing and recycling of non-hazardous petroleum contaminated soil.

APPENDIX F

FILL SAMPLING RESULTS





KEY PLAN

SCALE: 1"=60'

LEGEND

FM-1 ● FILL MATERIAL SAMPLING LOCATION

SURVEY LEGEND:

- PROPERTY LINE
- LOT LINE
- FENCE
- CURB

UNAUTHORIZED ALTERATION OF, OR ADDITION TO PLANS OR DOCUMENTS BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

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REV.	DATE	DESCRIPTION	BY
JOB NO. 0953-01-005		**CHAMP CONSTRUCTION** **YARD WASTE AND C&D TRANSFER STATION** 48 SEWELL STREET, HEMPSTEAD, N.Y. 11550	
DRAWN AXC			
CHECKED KLB		**SAMPLE LOCATION PLAN**	
APPROVED RDS			
SEAL		Galli engineering, P.C. 734 Walt Whitman Road, Suite 402A Melville, New York 11747	
DATE 09/18/13	SCALE 1"=20'	DRAWING NO. 1	

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY ANALYTICAL SERVICES PROTOCOL

Client: Galli Engineering, P.C.

Project: 48 SEWELL ST

Laboratory Project: GBF45197

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

NY Analytical Services Protocol Format

November 03, 2013 **SDG I.D.: GBF45197**

Galli Engineering, P.C. 48 SEWELL ST

SDG Comments

Version 1: Analysis results minus QC and forms.

Version 2: Complete report with QC and forms.

Methodology Summary

Metals

ICP :
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 6010C.
Mercury:
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods Update III, 7471

Semivolatile Organic Compounds

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D.

Volatile Organics

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed.Update III, Method 8260C.

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

November 03, 2013 **SDG I.D.: GBF45197**

Galli Engineering, P.C. 48 SEWELL ST

Sample Id Cross Reference

Client Id	Lab Id	Matrix
FM-1	BF45197	SOIL
FM-1	BF45198	SOIL
FM-2	BF45199	SOIL
FM-2	BF45200	SOIL
FM-3	BF45201	SOIL
FM-3	BF45202	SOIL
FM-4	BF45203	SOIL
FM-4	BF45204	SOIL
FM-5	BF45205	SOIL
FM-5	BF45206	SOIL
FM-6	BF45207	SOIL
FM-6	BF45208	SOIL
FM-7	BF45209	SOIL
FM-7	BF45210	SOIL
FM-8	BF45211	SOIL
FM-8	BF45212	SOIL
FM-9	BF45213	SOIL
FM-9	BF45214	SOIL
DUPLICATE	BF45215	SOIL
DUPLICATE	BF45216	SOIL
TRIP BLANK HL	BF45217	SOIL
TRIP BLANK LL	BF45218	SOIL

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Analytical Services Protocol Format

November 03, 2013

SDG I.D.: GBF45197

Galli Engineering, P.C. 48 SEWELL ST

Laboratory Chronicle

The samples in this delivery group were received at 4°C.

Sample	Analysis	Collection Date	Extraction Date	Analysis Date	Analyst	Hold Time Met
BF45197	Aluminum	09/24/13	09/25/13	09/27/13	EK	Y
BF45197	Antimony	09/24/13	09/25/13	09/27/13	EK	Y
BF45197	Arsenic	09/24/13	09/25/13	09/27/13	EK	Y
BF45197	Barium	09/24/13	09/25/13	09/27/13	EK	Y
BF45197	Beryllium	09/24/13	09/25/13	09/27/13	EK	Y
BF45197	Cadmium	09/24/13	09/25/13	09/27/13	EK	Y
BF45197	Calcium	09/24/13	09/25/13	09/27/13	EK	Y
BF45197	Chromium	09/24/13	09/25/13	09/27/13	EK	Y
BF45197	Cobalt	09/24/13	09/25/13	09/27/13	EK	Y
BF45197	Copper	09/24/13	09/25/13	09/27/13	EK	Y
BF45197	Iron	09/24/13	09/25/13	09/27/13	EK	Y
BF45197	Lead	09/24/13	09/25/13	09/27/13	EK	Y
BF45197	Magnesium	09/24/13	09/25/13	09/27/13	EK	Y
BF45197	Manganese	09/24/13	09/25/13	09/27/13	EK	Y
BF45197	Mercury	09/24/13	09/26/13	09/26/13	RS	Y
BF45197	Nickel	09/24/13	09/25/13	09/27/13	EK	Y
BF45197	Potassium	09/24/13	09/25/13	09/27/13	EK	Y
BF45197	Selenium	09/24/13	09/25/13	09/27/13	EK	Y
BF45197	Semivolatiles	09/24/13	09/25/13	09/26/13	DD	Y
BF45197	Silver	09/24/13	09/25/13	09/27/13	EK	Y
BF45197	Sodium	09/24/13	09/25/13	09/27/13	EK	Y
BF45197	Thallium	09/24/13	09/25/13	09/27/13	EK	Y
BF45197	Vanadium	09/24/13	09/25/13	09/27/13	EK	Y
BF45197	Zinc	09/24/13	09/25/13	09/27/13	EK	Y
BF45198	1,4-dioxane	09/24/13	09/26/13	09/26/13	R/B	Y
BF45198	Volatiles	09/24/13	09/26/13	09/26/13	R/B	Y
BF45199	Aluminum	09/24/13	09/25/13	09/27/13	EK	Y
BF45199	Antimony	09/24/13	09/25/13	09/27/13	EK	Y
BF45199	Arsenic	09/24/13	09/25/13	09/27/13	EK	Y
BF45199	Barium	09/24/13	09/25/13	09/27/13	EK	Y
BF45199	Beryllium	09/24/13	09/25/13	09/27/13	EK	Y
BF45199	Cadmium	09/24/13	09/25/13	09/27/13	EK	Y

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BF45199	Calcium	09/24/13	09/25/13	09/27/13	EK	Y
BF45199	Chromium	09/24/13	09/25/13	09/27/13	EK	Y
BF45199	Cobalt	09/24/13	09/25/13	09/27/13	EK	Y
BF45199	Copper	09/24/13	09/25/13	09/27/13	EK	Y
BF45199	Iron	09/24/13	09/25/13	09/27/13	EK	Y
BF45199	Lead	09/24/13	09/25/13	09/27/13	EK	Y
BF45199	Magnesium	09/24/13	09/25/13	09/27/13	EK	Y
BF45199	Manganese	09/24/13	09/25/13	09/27/13	EK	Y
BF45199	Mercury	09/24/13	09/26/13	09/26/13	RS	Y
BF45199	Nickel	09/24/13	09/25/13	09/27/13	EK	Y
BF45199	Potassium	09/24/13	09/25/13	09/27/13	EK	Y
BF45199	Selenium	09/24/13	09/25/13	09/27/13	EK	Y
BF45199	Semivolatiles	09/24/13	09/25/13	09/26/13	DD	Y
BF45199	Silver	09/24/13	09/25/13	09/27/13	EK	Y
BF45199	Sodium	09/24/13	09/25/13	09/27/13	EK	Y
BF45199	Thallium	09/24/13	09/25/13	09/27/13	EK	Y
BF45199	Vanadium	09/24/13	09/25/13	09/27/13	EK	Y
BF45199	Zinc	09/24/13	09/25/13	09/27/13	EK	Y
BF45200	1,4-dioxane	09/24/13	09/26/13	09/26/13	R/B	Y
BF45200	Volatiles	09/24/13	09/26/13	09/26/13	R/B	Y
BF45201	Aluminum	09/24/13	09/25/13	09/27/13	EK	Y
BF45201	Antimony	09/24/13	09/25/13	09/27/13	EK	Y
BF45201	Arsenic	09/24/13	09/25/13	09/27/13	EK	Y
BF45201	Barium	09/24/13	09/25/13	09/27/13	EK	Y
BF45201	Beryllium	09/24/13	09/25/13	09/27/13	EK	Y
BF45201	Cadmium	09/24/13	09/25/13	09/27/13	EK	Y
BF45201	Calcium	09/24/13	09/25/13	09/27/13	EK	Y
BF45201	Chromium	09/24/13	09/25/13	09/27/13	EK	Y
BF45201	Cobalt	09/24/13	09/25/13	09/27/13	EK	Y
BF45201	Copper	09/24/13	09/25/13	09/27/13	EK	Y
BF45201	Iron	09/24/13	09/25/13	09/27/13	EK	Y
BF45201	Lead	09/24/13	09/25/13	09/27/13	EK	Y
BF45201	Magnesium	09/24/13	09/25/13	09/27/13	EK	Y
BF45201	Manganese	09/24/13	09/25/13	09/27/13	EK	Y
BF45201	Mercury	09/24/13	09/26/13	09/26/13	RS	Y
BF45201	Nickel	09/24/13	09/25/13	09/27/13	EK	Y
BF45201	Potassium	09/24/13	09/25/13	09/27/13	EK	Y

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BF45201	Selenium	09/24/13	09/25/13	09/27/13	EK	Y
BF45201	Semivolatiles	09/24/13	09/25/13	09/26/13	DD	Y
BF45201	Silver	09/24/13	09/25/13	09/27/13	EK	Y
BF45201	Sodium	09/24/13	09/25/13	09/27/13	EK	Y
BF45201	Thallium	09/24/13	09/25/13	09/27/13	EK	Y
BF45201	Vanadium	09/24/13	09/25/13	09/27/13	EK	Y
BF45201	Zinc	09/24/13	09/25/13	09/27/13	EK	Y
BF45202	1,4-dioxane	09/24/13	09/26/13	09/26/13	R/B	Y
BF45202	Volatiles	09/24/13	09/26/13	09/26/13	R/B	Y
BF45203	Aluminum	09/24/13	09/25/13	09/27/13	EK	Y
BF45203	Antimony	09/24/13	09/25/13	09/27/13	EK	Y
BF45203	Arsenic	09/24/13	09/25/13	09/27/13	EK	Y
BF45203	Barium	09/24/13	09/25/13	09/27/13	EK	Y
BF45203	Beryllium	09/24/13	09/25/13	09/27/13	EK	Y
BF45203	Cadmium	09/24/13	09/25/13	09/27/13	EK	Y
BF45203	Calcium	09/24/13	09/25/13	09/27/13	EK	Y
BF45203	Chromium	09/24/13	09/25/13	09/27/13	EK	Y
BF45203	Cobalt	09/24/13	09/25/13	09/27/13	EK	Y
BF45203	Copper	09/24/13	09/25/13	09/27/13	EK	Y
BF45203	Iron	09/24/13	09/25/13	09/27/13	EK	Y
BF45203	Lead	09/24/13	09/25/13	09/27/13	EK	Y
BF45203	Magnesium	09/24/13	09/25/13	09/27/13	EK	Y
BF45203	Manganese	09/24/13	09/25/13	09/27/13	EK	Y
BF45203	Mercury	09/24/13	09/26/13	09/26/13	RS	Y
BF45203	Nickel	09/24/13	09/25/13	09/27/13	EK	Y
BF45203	Potassium	09/24/13	09/25/13	09/27/13	EK	Y
BF45203	Selenium	09/24/13	09/25/13	09/27/13	EK	Y
BF45203	Semivolatiles	09/24/13	09/25/13	09/26/13	DD	Y
BF45203	Silver	09/24/13	09/25/13	09/27/13	EK	Y
BF45203	Sodium	09/24/13	09/25/13	09/27/13	EK	Y
BF45203	Thallium	09/24/13	09/25/13	09/27/13	EK	Y
BF45203	Vanadium	09/24/13	09/25/13	09/27/13	EK	Y
BF45203	Zinc	09/24/13	09/25/13	09/27/13	EK	Y
BF45204	1,4-dioxane	09/24/13	09/26/13	09/26/13	R/B	Y
BF45204	Volatiles	09/24/13	09/26/13	09/26/13	R/B	Y
BF45205	Aluminum	09/24/13	09/25/13	09/27/13	EK	Y
BF45205	Antimony	09/24/13	09/25/13	09/27/13	EK	Y

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BF45205	Arsenic	09/24/13	09/25/13	09/27/13	EK	Y
BF45205	Barium	09/24/13	09/25/13	09/27/13	EK	Y
BF45205	Beryllium	09/24/13	09/25/13	09/27/13	EK	Y
BF45205	Cadmium	09/24/13	09/25/13	09/27/13	EK	Y
BF45205	Calcium	09/24/13	09/25/13	09/27/13	EK	Y
BF45205	Chromium	09/24/13	09/25/13	09/27/13	EK	Y
BF45205	Cobalt	09/24/13	09/25/13	09/27/13	EK	Y
BF45205	Copper	09/24/13	09/25/13	09/27/13	EK	Y
BF45205	Iron	09/24/13	09/25/13	09/27/13	EK	Y
BF45205	Lead	09/24/13	09/25/13	09/27/13	EK	Y
BF45205	Magnesium	09/24/13	09/25/13	09/27/13	EK	Y
BF45205	Manganese	09/24/13	09/25/13	09/27/13	EK	Y
BF45205	Mercury	09/24/13	09/26/13	09/26/13	RS	Y
BF45205	Nickel	09/24/13	09/25/13	09/27/13	EK	Y
BF45205	Potassium	09/24/13	09/25/13	09/27/13	EK	Y
BF45205	Selenium	09/24/13	09/25/13	09/27/13	EK	Y
BF45205	Semivolatiles	09/24/13	09/25/13	09/26/13	DD	Y
BF45205	Silver	09/24/13	09/25/13	09/27/13	EK	Y
BF45205	Sodium	09/24/13	09/25/13	09/27/13	EK	Y
BF45205	Thallium	09/24/13	09/25/13	09/27/13	EK	Y
BF45205	Vanadium	09/24/13	09/25/13	09/27/13	EK	Y
BF45205	Zinc	09/24/13	09/25/13	09/27/13	EK	Y
BF45206	1,4-dioxane	09/24/13	09/26/13	09/26/13	R/B	Y
BF45206	Volatiles	09/24/13	09/26/13	09/26/13	R/B	Y
BF45207	Aluminum	09/24/13	09/25/13	09/27/13	EK	Y
BF45207	Antimony	09/24/13	09/25/13	09/27/13	EK	Y
BF45207	Arsenic	09/24/13	09/25/13	09/27/13	EK	Y
BF45207	Barium	09/24/13	09/25/13	09/27/13	EK	Y
BF45207	Beryllium	09/24/13	09/25/13	09/27/13	EK	Y
BF45207	Cadmium	09/24/13	09/25/13	09/27/13	EK	Y
BF45207	Calcium	09/24/13	09/25/13	09/27/13	EK	Y
BF45207	Chromium	09/24/13	09/25/13	09/27/13	EK	Y
BF45207	Cobalt	09/24/13	09/25/13	09/27/13	EK	Y
BF45207	Copper	09/24/13	09/25/13	09/27/13	EK	Y
BF45207	Iron	09/24/13	09/25/13	09/27/13	EK	Y
BF45207	Lead	09/24/13	09/25/13	09/27/13	EK	Y
BF45207	Magnesium	09/24/13	09/25/13	09/27/13	EK	Y

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BF45207	Manganese	09/24/13	09/25/13	09/27/13	EK	Y
BF45207	Mercury	09/24/13	09/26/13	09/26/13	RS	Y
BF45207	Nickel	09/24/13	09/25/13	09/27/13	EK	Y
BF45207	Potassium	09/24/13	09/25/13	09/27/13	EK	Y
BF45207	Selenium	09/24/13	09/25/13	09/27/13	EK	Y
BF45207	Semivolatiles	09/24/13	09/25/13	09/26/13	DD	Y
BF45207	Silver	09/24/13	09/25/13	09/27/13	EK	Y
BF45207	Sodium	09/24/13	09/25/13	09/27/13	EK	Y
BF45207	Thallium	09/24/13	09/25/13	09/27/13	EK	Y
BF45207	Vanadium	09/24/13	09/25/13	09/27/13	EK	Y
BF45207	Zinc	09/24/13	09/25/13	09/27/13	EK	Y
BF45208	1,4-dioxane	09/24/13	09/26/13	09/26/13	R/B	Y
BF45208	Volatiles	09/24/13	09/26/13	09/26/13	R/B	Y
BF45209	Aluminum	09/24/13	09/25/13	09/27/13	EK	Y
BF45209	Antimony	09/24/13	09/25/13	09/27/13	EK	Y
BF45209	Arsenic	09/24/13	09/25/13	09/27/13	EK	Y
BF45209	Barium	09/24/13	09/25/13	09/27/13	EK	Y
BF45209	Beryllium	09/24/13	09/25/13	09/27/13	EK	Y
BF45209	Cadmium	09/24/13	09/25/13	09/27/13	EK	Y
BF45209	Calcium	09/24/13	09/25/13	09/27/13	EK	Y
BF45209	Chromium	09/24/13	09/25/13	09/27/13	EK	Y
BF45209	Cobalt	09/24/13	09/25/13	09/27/13	EK	Y
BF45209	Copper	09/24/13	09/25/13	09/27/13	EK	Y
BF45209	Iron	09/24/13	09/25/13	09/27/13	EK	Y
BF45209	Lead	09/24/13	09/25/13	09/27/13	EK	Y
BF45209	Magnesium	09/24/13	09/25/13	09/27/13	EK	Y
BF45209	Manganese	09/24/13	09/25/13	09/27/13	EK	Y
BF45209	Mercury	09/24/13	09/26/13	09/26/13	RS	Y
BF45209	Nickel	09/24/13	09/25/13	09/27/13	EK	Y
BF45209	Potassium	09/24/13	09/25/13	09/27/13	EK	Y
BF45209	Selenium	09/24/13	09/25/13	09/27/13	EK	Y
BF45209	Semivolatiles	09/24/13	09/25/13	09/26/13	DD	Y
BF45209	Silver	09/24/13	09/25/13	09/27/13	EK	Y
BF45209	Sodium	09/24/13	09/25/13	09/27/13	EK	Y
BF45209	Thallium	09/24/13	09/25/13	09/27/13	EK	Y
BF45209	Vanadium	09/24/13	09/25/13	09/27/13	EK	Y
BF45209	Zinc	09/24/13	09/25/13	09/27/13	EK	Y

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BF45210	1,4-dioxane	09/24/13	09/26/13	09/26/13	R/B	Y
BF45210	Volatiles	09/24/13	09/26/13	09/26/13	R/B	Y
BF45211	Aluminum	09/24/13	09/25/13	09/27/13	EK	Y
BF45211	Antimony	09/24/13	09/25/13	09/27/13	EK	Y
BF45211	Arsenic	09/24/13	09/25/13	09/27/13	EK	Y
BF45211	Barium	09/24/13	09/25/13	09/27/13	EK	Y
BF45211	Beryllium	09/24/13	09/25/13	09/27/13	EK	Y
BF45211	Cadmium	09/24/13	09/25/13	09/27/13	EK	Y
BF45211	Calcium	09/24/13	09/25/13	09/27/13	EK	Y
BF45211	Chromium	09/24/13	09/25/13	09/27/13	EK	Y
BF45211	Cobalt	09/24/13	09/25/13	09/27/13	EK	Y
BF45211	Copper	09/24/13	09/25/13	09/27/13	EK	Y
BF45211	Iron	09/24/13	09/25/13	09/27/13	EK	Y
BF45211	Lead	09/24/13	09/25/13	09/27/13	EK	Y
BF45211	Magnesium	09/24/13	09/25/13	09/27/13	EK	Y
BF45211	Manganese	09/24/13	09/25/13	09/27/13	EK	Y
BF45211	Mercury	09/24/13	09/26/13	09/26/13	RS	Y
BF45211	Nickel	09/24/13	09/25/13	09/27/13	EK	Y
BF45211	Potassium	09/24/13	09/25/13	09/27/13	EK	Y
BF45211	Selenium	09/24/13	09/25/13	09/27/13	EK	Y
BF45211	Semivolatiles	09/24/13	09/25/13	09/26/13	DD	Y
BF45211	Silver	09/24/13	09/25/13	09/27/13	EK	Y
BF45211	Sodium	09/24/13	09/25/13	09/27/13	EK	Y
BF45211	Thallium	09/24/13	09/25/13	09/27/13	EK	Y
BF45211	Vanadium	09/24/13	09/25/13	09/27/13	EK	Y
BF45211	Zinc	09/24/13	09/25/13	09/27/13	EK	Y
BF45212	1,4-dioxane	09/24/13	09/26/13	09/26/13	R/B	Y
BF45212	Volatiles	09/24/13	09/26/13	09/26/13	R/B	Y
BF45213	Aluminum	09/24/13	09/25/13	09/27/13	EK	Y
BF45213	Antimony	09/24/13	09/25/13	09/27/13	EK	Y
BF45213	Arsenic	09/24/13	09/25/13	09/27/13	EK	Y
BF45213	Barium	09/24/13	09/25/13	09/27/13	EK	Y
BF45213	Beryllium	09/24/13	09/25/13	09/27/13	EK	Y
BF45213	Cadmium	09/24/13	09/25/13	09/27/13	EK	Y
BF45213	Calcium	09/24/13	09/25/13	09/27/13	EK	Y
BF45213	Chromium	09/24/13	09/25/13	09/27/13	EK	Y
BF45213	Cobalt	09/24/13	09/25/13	09/27/13	EK	Y

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BF45213	Copper	09/24/13	09/25/13	09/27/13	EK	Y
BF45213	Iron	09/24/13	09/25/13	09/27/13	EK	Y
BF45213	Lead	09/24/13	09/25/13	09/27/13	EK	Y
BF45213	Magnesium	09/24/13	09/25/13	09/27/13	EK	Y
BF45213	Manganese	09/24/13	09/25/13	09/27/13	EK	Y
BF45213	Mercury	09/24/13	09/26/13	09/26/13	RS	Y
BF45213	Nickel	09/24/13	09/25/13	09/27/13	EK	Y
BF45213	Potassium	09/24/13	09/25/13	09/27/13	EK	Y
BF45213	Selenium	09/24/13	09/25/13	09/27/13	EK	Y
BF45213	Semivolatiles	09/24/13	09/25/13	09/26/13	DD	Y
BF45213	Silver	09/24/13	09/25/13	09/27/13	EK	Y
BF45213	Sodium	09/24/13	09/25/13	09/27/13	EK	Y
BF45213	Thallium	09/24/13	09/25/13	09/27/13	EK	Y
BF45213	Vanadium	09/24/13	09/25/13	09/27/13	EK	Y
BF45213	Zinc	09/24/13	09/25/13	09/27/13	EK	Y
BF45214	1,4-dioxane	09/24/13	09/26/13	09/26/13	R/B	Y
BF45214	Volatiles	09/24/13	09/26/13	09/26/13	R/B	Y
BF45215	Aluminum	09/24/13	09/25/13	09/27/13	EK	Y
BF45215	Antimony	09/24/13	09/25/13	09/27/13	EK	Y
BF45215	Arsenic	09/24/13	09/25/13	09/27/13	EK	Y
BF45215	Barium	09/24/13	09/25/13	09/27/13	EK	Y
BF45215	Beryllium	09/24/13	09/25/13	09/27/13	EK	Y
BF45215	Cadmium	09/24/13	09/25/13	09/27/13	EK	Y
BF45215	Calcium	09/24/13	09/25/13	09/27/13	EK	Y
BF45215	Chromium	09/24/13	09/25/13	09/27/13	EK	Y
BF45215	Cobalt	09/24/13	09/25/13	09/27/13	EK	Y
BF45215	Copper	09/24/13	09/25/13	09/27/13	EK	Y
BF45215	Iron	09/24/13	09/25/13	09/27/13	EK	Y
BF45215	Lead	09/24/13	09/25/13	09/27/13	EK	Y
BF45215	Magnesium	09/24/13	09/25/13	09/27/13	EK	Y
BF45215	Manganese	09/24/13	09/25/13	09/27/13	EK	Y
BF45215	Mercury	09/24/13	09/26/13	09/26/13	RS	Y
BF45215	Nickel	09/24/13	09/25/13	09/27/13	EK	Y
BF45215	Potassium	09/24/13	09/25/13	09/27/13	EK	Y
BF45215	Selenium	09/24/13	09/25/13	09/27/13	EK	Y
BF45215	Semivolatiles	09/24/13	09/25/13	09/26/13	DD	Y
BF45215	Silver	09/24/13	09/25/13	09/27/13	EK	Y

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BF45215	Sodium	09/24/13	09/25/13	09/27/13	EK	Y
BF45215	Thallium	09/24/13	09/25/13	09/27/13	EK	Y
BF45215	Vanadium	09/24/13	09/25/13	09/27/13	EK	Y
BF45215	Zinc	09/24/13	09/25/13	09/27/13	EK	Y
BF45216	1,4-dioxane	09/24/13	09/26/13	09/26/13	R/B	Y
BF45216	Volatiles	09/24/13	09/26/13	09/26/13	R/B	Y
BF45217	1,4-dioxane	09/24/13	09/25/13	09/25/13	R/B	Y
BF45217	Volatiles	09/24/13	09/25/13	09/25/13	R/B	Y
BF45218	1,4-dioxane	09/24/13	09/25/13	09/25/13	R/B	Y
BF45218	Volatiles	09/24/13	09/25/13	09/25/13	R/B	Y

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 03, 2013

FOR: Attn: Mr Ken Brooks
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MG	09/24/13	9:00
Location Code:	GALLI-ENG	Received by:	SW	09/25/13	15:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF45197
Phoenix ID: BF45197

Project ID: 48 SEWELL ST
Client ID: FM-1

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36		0.36	0.22	mg/Kg	09/27/13	EK	SW6010
Aluminum	1790	*	36	2.2	mg/Kg	09/27/13	EK	SW6010
Arsenic	1.5		0.7	0.29	mg/Kg	09/27/13	EK	SW6010
Barium	7.7	*	0.7	0.14	mg/Kg	09/27/13	EK	SW6010
Beryllium	< 0.29		0.29	0.14	mg/Kg	09/27/13	EK	SW6010
Calcium	164	N*	3.6	3.3	mg/Kg	09/27/13	EK	SW6010
Cadmium	< 0.36		0.36	0.14	mg/Kg	09/27/13	EK	SW6010
Cobalt	0.95		0.36	0.14	mg/Kg	09/27/13	EK	SW6010
Chromium	3.69	*	0.36	0.14	mg/Kg	09/27/13	EK	SW6010
Copper	4.20		0.36	0.29	mg/kg	09/27/13	EK	SW6010
Iron	3330	*	3.6	3.6	mg/Kg	09/27/13	EK	SW6010
Mercury	< 0.07		0.07	0.04	mg/Kg	09/26/13	RS	SW-7471
Potassium	178		7	2.8	mg/Kg	09/27/13	EK	SW6010
Magnesium	197	N	3.6	0.22	mg/Kg	09/27/13	EK	SW6010
Manganese	24.1		0.36	0.14	mg/Kg	09/27/13	EK	SW6010
Sodium	< 7		7	3.1	mg/Kg	09/27/13	EK	SW6010
Nickel	2.46		0.36	0.14	mg/Kg	09/27/13	EK	SW6010
Lead	12.6		0.7	0.22	mg/Kg	09/27/13	EK	SW6010
Antimony	< 1.8		1.8	0.65	mg/Kg	09/27/13	EK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	09/27/13	EK	SW6010
Thallium	< 1.4		1.4	1.2	mg/Kg	09/27/13	EK	SW6010
Vanadium	4.5	*	0.4	0.14	mg/Kg	09/27/13	EK	SW6010
Zinc	14.9		0.7	0.36	mg/Kg	09/27/13	EK	SW6010
Percent Solid	95				%	09/25/13	W	E160.3
Soil Extraction for SVOA	Completed					09/25/13	JJ/FV	SW3545
Mercury Digestion	Completed					09/26/13	I/I	SW7471
Total Metals Digest	Completed					09/25/13	Z/AG	SW846 - 3050

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Semivolatiles								
1,1-Biphenyl	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	09/26/13	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	09/26/13	DD	SW 8270	
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dichlorophenol	ND	140	120	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dimethylphenol	ND	240	86	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dinitrophenol	ND	240	240	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dinitrotoluene	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
2,6-Dinitrotoluene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
2-Chloronaphthalene	ND	240	99	ug/Kg	09/26/13	DD	SW 8270	
2-Chlorophenol	ND	240	99	ug/Kg	09/26/13	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	09/26/13	DD	SW 8270	
2-Nitroaniline	ND	1700	350	ug/Kg	09/26/13	DD	SW 8270	
2-Nitrophenol	ND	240	220	ug/Kg	09/26/13	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	09/26/13	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
3-Nitroaniline	ND	1700	760	ug/Kg	09/26/13	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	240	240	ug/Kg	09/26/13	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
4-Chloroaniline	ND	700	160	ug/Kg	09/26/13	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
4-Nitroaniline	ND	1700	120	ug/Kg	09/26/13	DD	SW 8270	
4-Nitrophenol	ND	1700	160	ug/Kg	09/26/13	DD	SW 8270	
Acenaphthene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Acenaphthylene	ND	140	98	ug/Kg	09/26/13	DD	SW 8270	
Acetophenone	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Atrazine	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
Benz(a)anthracene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
Benzaldehyde	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
Benzo(a)pyrene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
Benzyl butyl phthalate	ND	240	90	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	96	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	140	94	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	97	ug/Kg	09/26/13	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
Caprolactam	ND	240	240	ug/Kg	09/26/13	DD	SW 8270	
Carbazole	ND	1700	260	ug/Kg	09/26/13	DD	SW 8270	
Chrysene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
Dibenzofuran	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dimethylphthalate	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Di-n-butylphthalate	ND	240	93	ug/Kg	09/26/13	DD	SW 8270
Di-n-octylphthalate	ND	240	90	ug/Kg	09/26/13	DD	SW 8270
Fluoranthene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Fluorene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270
Hexachlorobenzene	ND	140	100	ug/Kg	09/26/13	DD	SW 8270
Hexachlorobutadiene	ND	240	130	ug/Kg	09/26/13	DD	SW 8270
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Hexachloroethane	ND	140	100	ug/Kg	09/26/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270
Isophorone	ND	140	98	ug/Kg	09/26/13	DD	SW 8270
Naphthalene	ND	240	100	ug/Kg	09/26/13	DD	SW 8270
Nitrobenzene	ND	140	120	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodimethylamine	ND	240	98	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	09/26/13	DD	SW 8270
Pentachlorophenol	ND	240	130	ug/Kg	09/26/13	DD	SW 8270
Phenanthrene	ND	140	100	ug/Kg	09/26/13	DD	SW 8270
Phenol	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Pyrene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	89			%	09/26/13	DD	19 - 122 %
% 2-Fluorobiphenyl	87			%	09/26/13	DD	30 - 115 %
% 2-Fluorophenol	70			%	09/26/13	DD	25 - 121 %
% Nitrobenzene-d5	81			%	09/26/13	DD	23 - 120 %
% Phenol-d5	80			%	09/26/13	DD	24 - 113 %
% Terphenyl-d14	103			%	09/26/13	DD	18 - 137 %
SVOA Library Search Top 15	Completed				09/26/13	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 03, 2013

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 03, 2013

FOR: Attn: Mr Ken Brooks
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MG	09/24/13	9:00
Location Code:	GALLI-ENG	Received by:	SW	09/25/13	15:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF45197
Phoenix ID: BF45198

Project ID: 48 SEWELL ST
Client ID: FM-1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	95	1		%	09/26/13	SW	E160.3
1,4-dioxane							
1,4-dioxane	ND	5100	5100	ug/kg	09/26/13	R/B	SW8260B
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	09/26/13	R/B	70 - 121 %
% Bromofluorobenzene	93			%	09/26/13	R/B	59 - 113 %
% Toluene-d8	100			%	09/26/13	R/B	84 - 138 %
Volatiles							
1,1,1-Trichloroethane	ND	250	51	ug/Kg	09/26/13	R/B	SW8260
1,1,2,2-Tetrachloroethane	ND	250	36	ug/Kg	09/26/13	R/B	SW8260
1,1,2-Trichloroethane	ND	250	25	ug/Kg	09/26/13	R/B	SW8260
1,1-Dichloroethane	ND	250	50	ug/Kg	09/26/13	R/B	SW8260
1,1-Dichloroethene	ND	250	55	ug/Kg	09/26/13	R/B	SW8260
1,2,3-Trichlorobenzene	ND	250	34	ug/Kg	09/26/13	R/B	SW8260
1,2,4-Trichlorobenzene	ND	250	30	ug/Kg	09/26/13	R/B	SW8260
1,2-Dibromo-3-chloropropane	ND	250	68	ug/Kg	09/26/13	R/B	SW8260
1,2-Dibromoethane	ND	250	68	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichlorobenzene	ND	250	28	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichloroethane	ND	250	22	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichloropropane	ND	250	36	ug/Kg	09/26/13	R/B	SW8260
1,3-Dichlorobenzene	ND	250	38	ug/Kg	09/26/13	R/B	SW8260
1,4-Dichlorobenzene	ND	250	40	ug/Kg	09/26/13	R/B	SW8260
2-Hexanone	ND	1300	110	ug/Kg	09/26/13	R/B	SW8260
4-Methyl-2-pentanone	ND	1300	61	ug/Kg	09/26/13	R/B	SW8260
Acetone	ND	2500	250	ug/Kg	09/26/13	R/B	SW8260
Benzene	ND	250	50	ug/Kg	09/26/13	R/B	SW8260
Bromochloromethane	ND	250	37	ug/Kg	09/26/13	R/B	SW8260

Project ID: 48 SEWELL ST
Client ID: FM-1

Phoenix I.D.: BF45198

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Bromodichloromethane	ND		250	32	ug/Kg	09/26/13	R/B	SW8260	
Bromoform	ND		250	36	ug/Kg	09/26/13	R/B	SW8260	
Bromomethane	ND		250	200	ug/Kg	09/26/13	R/B	SW8260	
Carbon Disulfide	ND		250	41	ug/Kg	09/26/13	R/B	SW8260	
Carbon tetrachloride	ND		250	29	ug/Kg	09/26/13	R/B	SW8260	
Chlorobenzene	ND		250	38	ug/Kg	09/26/13	R/B	SW8260	
Chloroethane	ND		250	59	ug/Kg	09/26/13	R/B	SW8260	
Chloroform	ND		250	46	ug/Kg	09/26/13	R/B	SW8260	
Chloromethane	ND		250	130	ug/Kg	09/26/13	R/B	SW8260	
cis-1,2-Dichloroethene	ND		250	55	ug/Kg	09/26/13	R/B	SW8260	
cis-1,3-Dichloropropene	ND		250	27	ug/Kg	09/26/13	R/B	SW8260	
Cyclohexane	ND		250	250	ug/Kg	09/26/13	R/B	SW8260	
Dibromochloromethane	ND		250	28	ug/Kg	09/26/13	R/B	SW8260	
Dichlorodifluoromethane	ND		250	68	ug/Kg	09/26/13	R/B	SW8260	
Ethylbenzene	ND		250	46	ug/Kg	09/26/13	R/B	SW8260	
Isopropylbenzene	ND		250	49	ug/Kg	09/26/13	R/B	SW8260	
m&p-Xylene	ND		250	100	ug/Kg	09/26/13	R/B	SW8260	
Methyl ethyl ketone	ND		1500	220	ug/Kg	09/26/13	R/B	SW8260	
Methyl t-butyl ether (MTBE)	ND		510	70	ug/Kg	09/26/13	R/B	SW8260	
Methylacetate	ND		250	250	ug/Kg	09/26/13	R/B	SW8260	
Methylcyclohexane	ND		250	250	ug/Kg	09/26/13	R/B	SW8260	
Methylene chloride	61	JBS	250	42	ug/Kg	09/26/13	R/B	SW8260	B
o-Xylene	ND		250	97	ug/Kg	09/26/13	R/B	SW8260	
Styrene	ND		250	73	ug/Kg	09/26/13	R/B	SW8260	
Tetrachloroethene	ND		250	53	ug/Kg	09/26/13	R/B	SW8260	
Toluene	ND		250	40	ug/Kg	09/26/13	R/B	SW8260	
Total Xylenes	ND		250	100	ug/Kg	09/26/13	R/B	SW8260	
trans-1,2-Dichloroethene	ND		250	51	ug/Kg	09/26/13	R/B	SW8260	
trans-1,3-Dichloropropene	ND		250	52	ug/Kg	09/26/13	R/B	SW8260	
Trichloroethene	ND		250	54	ug/Kg	09/26/13	R/B	SW8260	
Trichlorofluoromethane	ND		250	56	ug/Kg	09/26/13	R/B	SW8260	
Trichlorotrifluoroethane	ND		250	40	ug/Kg	09/26/13	R/B	SW8260	
Vinyl chloride	ND		250	82	ug/Kg	09/26/13	R/B	SW8260	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101				%	09/26/13	R/B	70 - 121 %	
% Bromofluorobenzene	93				%	09/26/13	R/B	59 - 113 %	
% Dibromofluoromethane	100				%	09/26/13	R/B	70 - 130 %	
% Toluene-d8	100				%	09/26/13	R/B	84 - 138 %	
Volatile Library Search Top 10	Completed					10/03/13	R/B		

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

8260 analysis comment:
The client prepared LL vials had too much soil. One was analyzed with very poor internal standard recoveries. The client prepared HL was analyzed and reported.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 03, 2013

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 03, 2013

FOR: Attn: Mr Ken Brooks
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MG	09/24/13	9:08
Location Code:	GALLI-ENG	Received by:	SW	09/25/13	15:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF45197
Phoenix ID: BF45199

Project ID: 48 SEWELL ST
Client ID: FM-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.31		0.31	0.19	mg/Kg	09/27/13	EK	SW6010
Aluminum	2260	*	31	1.9	mg/Kg	09/27/13	EK	SW6010
Arsenic	5.2		0.6	0.25	mg/Kg	09/27/13	EK	SW6010
Barium	117	*	0.6	0.13	mg/Kg	09/27/13	EK	SW6010
Beryllium	< 0.25		0.25	0.13	mg/Kg	09/27/13	EK	SW6010
Calcium	2880	N*	3.1	2.9	mg/Kg	09/27/13	EK	SW6010
Cadmium	0.54		0.31	0.13	mg/Kg	09/27/13	EK	SW6010
Cobalt	1.36		0.31	0.13	mg/Kg	09/27/13	EK	SW6010
Chromium	11.4	*	0.31	0.13	mg/Kg	09/27/13	EK	SW6010
Copper	10.6		0.31	0.25	mg/kg	09/27/13	EK	SW6010
Iron	8990	*	31	31	mg/Kg	09/27/13	EK	SW6010
Mercury	< 0.08		0.08	0.05	mg/Kg	09/26/13	RS	SW-7471
Potassium	168		6	2.4	mg/Kg	09/27/13	EK	SW6010
Magnesium	508	N	3.1	0.19	mg/Kg	09/27/13	EK	SW6010
Manganese	31.8		0.31	0.13	mg/Kg	09/27/13	EK	SW6010
Sodium	41		6	2.7	mg/Kg	09/27/13	EK	SW6010
Nickel	3.38		0.31	0.13	mg/Kg	09/27/13	EK	SW6010
Lead	197		6.3	1.9	mg/Kg	09/27/13	EK	SW6010
Antimony	< 1.6		1.6	0.56	mg/Kg	09/27/13	EK	SW6010
Selenium	< 1.3		1.3	1.1	mg/Kg	09/27/13	EK	SW6010
Thallium	< 1.3		1.3	1.0	mg/Kg	09/27/13	EK	SW6010
Vanadium	9.4	*	0.3	0.13	mg/Kg	09/27/13	EK	SW6010
Zinc	107		0.6	0.31	mg/Kg	09/27/13	EK	SW6010
Percent Solid	94				%	09/25/13	W	E160.3
Soil Extraction for SVOA	Completed					09/25/13	JJ/FV	SW3545
Mercury Digestion	Completed					09/26/13	I/I	SW7471
Total Metals Digest	Completed					09/25/13	Z/AG	SW846 - 3050

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Semivolatiles								
1,1-Biphenyl	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	09/26/13	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	09/26/13	DD	SW 8270	
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dichlorophenol	ND	140	120	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dimethylphenol	ND	240	86	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dinitrophenol	ND	240	240	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dinitrotoluene	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
2,6-Dinitrotoluene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
2-Chloronaphthalene	ND	240	98	ug/Kg	09/26/13	DD	SW 8270	
2-Chlorophenol	ND	240	98	ug/Kg	09/26/13	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	09/26/13	DD	SW 8270	
2-Nitroaniline	ND	1700	350	ug/Kg	09/26/13	DD	SW 8270	
2-Nitrophenol	ND	240	220	ug/Kg	09/26/13	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	09/26/13	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
3-Nitroaniline	ND	1700	750	ug/Kg	09/26/13	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	240	240	ug/Kg	09/26/13	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
4-Chloroaniline	ND	690	160	ug/Kg	09/26/13	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
4-Nitroaniline	ND	1700	120	ug/Kg	09/26/13	DD	SW 8270	
4-Nitrophenol	ND	1700	160	ug/Kg	09/26/13	DD	SW 8270	
Acenaphthene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Acenaphthylene	ND	140	97	ug/Kg	09/26/13	DD	SW 8270	
Acetophenone	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Atrazine	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
Benz(a)anthracene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
Benzaldehyde	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
Benzo(a)pyrene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Benzyl butyl phthalate	ND	240	89	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	96	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	140	94	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	96	ug/Kg	09/26/13	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
Caprolactam	ND	240	240	ug/Kg	09/26/13	DD	SW 8270	
Carbazole	ND	1700	260	ug/Kg	09/26/13	DD	SW 8270	
Chrysene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
Dibenzofuran	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dimethylphthalate	ND		240	110	ug/Kg	09/26/13	DD	SW 8270
Di-n-butylphthalate	ND		240	92	ug/Kg	09/26/13	DD	SW 8270
Di-n-octylphthalate	ND		240	89	ug/Kg	09/26/13	DD	SW 8270
Fluoranthene	150	J	240	110	ug/Kg	09/26/13	DD	SW 8270
Fluorene	ND		240	110	ug/Kg	09/26/13	DD	SW 8270
Hexachlorobenzene	ND		140	100	ug/Kg	09/26/13	DD	SW 8270
Hexachlorobutadiene	ND		240	130	ug/Kg	09/26/13	DD	SW 8270
Hexachlorocyclopentadiene	ND		240	110	ug/Kg	09/26/13	DD	SW 8270
Hexachloroethane	ND		140	100	ug/Kg	09/26/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND		240	110	ug/Kg	09/26/13	DD	SW 8270
Isophorone	ND		140	97	ug/Kg	09/26/13	DD	SW 8270
Naphthalene	ND		240	100	ug/Kg	09/26/13	DD	SW 8270
Nitrobenzene	ND		140	120	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodimethylamine	ND		240	98	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND		140	110	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodiphenylamine	ND		140	130	ug/Kg	09/26/13	DD	SW 8270
Pentachlorophenol	ND		240	130	ug/Kg	09/26/13	DD	SW 8270
Phenanthrene	ND		140	99	ug/Kg	09/26/13	DD	SW 8270
Phenol	ND		240	110	ug/Kg	09/26/13	DD	SW 8270
Pyrene	130	J	240	120	ug/Kg	09/26/13	DD	SW 8270
QA/QC Surrogates								
% 2,4,6-Tribromophenol	94				%	09/26/13	DD	19 - 122 %
% 2-Fluorobiphenyl	91				%	09/26/13	DD	30 - 115 %
% 2-Fluorophenol	73				%	09/26/13	DD	25 - 121 %
% Nitrobenzene-d5	85				%	09/26/13	DD	23 - 120 %
% Phenol-d5	83				%	09/26/13	DD	24 - 113 %
% Terphenyl-d14	106				%	09/26/13	DD	18 - 137 %
SVOA Library Search Top 15	Completed					10/03/13	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 03, 2013

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 03, 2013

FOR: Attn: Mr Ken Brooks
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MG	09/24/13	9:08
Location Code:	GALLI-ENG	Received by:	SW	09/25/13	15:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF45197
Phoenix ID: BF45200

Project ID: 48 SEWELL ST
Client ID: FM-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	94		1		%	09/26/13	SW	E160.3
1,4-dioxane								
1,4-dioxane	ND		97	97	ug/kg	09/26/13	R/B	SW8260B
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	104				%	09/26/13	R/B	70 - 121 %
% Bromofluorobenzene	89				%	09/26/13	R/B	59 - 113 %
% Toluene-d8	99				%	09/26/13	R/B	84 - 138 %
Volatiles								
1,1,1-Trichloroethane	ND		4.8	0.97	ug/Kg	09/26/13	R/B	SW8260
1,1,2,2-Tetrachloroethane	ND		4.8	0.69	ug/Kg	09/26/13	R/B	SW8260
1,1,2-Trichloroethane	ND		4.8	0.47	ug/Kg	09/26/13	R/B	SW8260
1,1-Dichloroethane	ND		4.8	0.96	ug/Kg	09/26/13	R/B	SW8260
1,1-Dichloroethene	ND		4.8	1.1	ug/Kg	09/26/13	R/B	SW8260
1,2,3-Trichlorobenzene	ND		280	38	ug/Kg	09/26/13	R/B	SW8260
1,2,4-Trichlorobenzene	ND		280	33	ug/Kg	09/26/13	R/B	SW8260
1,2-Dibromo-3-chloropropane	ND		280	75	ug/Kg	09/26/13	R/B	SW8260
1,2-Dibromoethane	ND		4.8	1.3	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichlorobenzene	ND		280	31	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichloroethane	ND		4.8	0.43	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichloropropane	ND		4.8	0.69	ug/Kg	09/26/13	R/B	SW8260
1,3-Dichlorobenzene	ND		280	42	ug/Kg	09/26/13	R/B	SW8260
1,4-Dichlorobenzene	ND		280	44	ug/Kg	09/26/13	R/B	SW8260
2-Hexanone	ND		24	2.2	ug/Kg	09/26/13	R/B	SW8260
4-Methyl-2-pentanone	ND		24	1.2	ug/Kg	09/26/13	R/B	SW8260
Acetone	6.3	JS	48	4.8	ug/Kg	09/26/13	R/B	SW8260
Benzene	ND		4.8	0.96	ug/Kg	09/26/13	R/B	SW8260
Bromochloromethane	ND		4.8	0.71	ug/Kg	09/26/13	R/B	SW8260

Project ID: 48 SEWELL ST
Client ID: FM-2

Phoenix I.D.: BF45200

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Bromodichloromethane	ND	4.8	0.60	ug/Kg	09/26/13	R/B	SW8260	
Bromoform	ND	4.8	0.68	ug/Kg	09/26/13	R/B	SW8260	
Bromomethane	ND	4.8	3.7	ug/Kg	09/26/13	R/B	SW8260	
Carbon Disulfide	ND	4.8	0.78	ug/Kg	09/26/13	R/B	SW8260	
Carbon tetrachloride	ND	4.8	0.56	ug/Kg	09/26/13	R/B	SW8260	
Chlorobenzene	ND	4.8	0.72	ug/Kg	09/26/13	R/B	SW8260	
Chloroethane	ND	4.8	1.1	ug/Kg	09/26/13	R/B	SW8260	
Chloroform	ND	4.8	0.88	ug/Kg	09/26/13	R/B	SW8260	
Chloromethane	ND	4.8	2.5	ug/Kg	09/26/13	R/B	SW8260	
cis-1,2-Dichloroethene	ND	4.8	1.1	ug/Kg	09/26/13	R/B	SW8260	
cis-1,3-Dichloropropene	ND	4.8	0.52	ug/Kg	09/26/13	R/B	SW8260	
Cyclohexane	ND	4.8	4.8	ug/Kg	09/26/13	R/B	SW8260	
Dibromochloromethane	ND	4.8	0.54	ug/Kg	09/26/13	R/B	SW8260	
Dichlorodifluoromethane	ND	4.8	1.3	ug/Kg	09/26/13	R/B	SW8260	
Ethylbenzene	ND	4.8	0.88	ug/Kg	09/26/13	R/B	SW8260	
Isopropylbenzene	ND	280	54	ug/Kg	09/26/13	R/B	SW8260	
m&p-Xylene	ND	4.8	1.9	ug/Kg	09/26/13	R/B	SW8260	
Methyl ethyl ketone	ND	29	4.2	ug/Kg	09/26/13	R/B	SW8260	
Methyl t-butyl ether (MTBE)	ND	9.7	1.3	ug/Kg	09/26/13	R/B	SW8260	
Methylacetate	ND	4.8	4.8	ug/Kg	09/26/13	R/B	SW8260	
Methylcyclohexane	ND	4.8	4.8	ug/Kg	09/26/13	R/B	SW8260	
Methylene chloride	ND	4.8	0.79	ug/Kg	09/26/13	R/B	SW8260	B
o-Xylene	ND	4.8	1.8	ug/Kg	09/26/13	R/B	SW8260	
Styrene	ND	4.8	1.4	ug/Kg	09/26/13	R/B	SW8260	
Tetrachloroethene	ND	4.8	1.0	ug/Kg	09/26/13	R/B	SW8260	
Toluene	ND	4.8	0.76	ug/Kg	09/26/13	R/B	SW8260	
Total Xylenes	ND	4.8	1.9	ug/Kg	09/26/13	R/B	SW8260	
trans-1,2-Dichloroethene	ND	4.8	0.97	ug/Kg	09/26/13	R/B	SW8260	
trans-1,3-Dichloropropene	ND	4.8	0.99	ug/Kg	09/26/13	R/B	SW8260	
Trichloroethene	ND	4.8	1.0	ug/Kg	09/26/13	R/B	SW8260	
Trichlorofluoromethane	ND	4.8	1.1	ug/Kg	09/26/13	R/B	SW8260	
Trichlorotrifluoroethane	ND	4.8	0.76	ug/Kg	09/26/13	R/B	SW8260	
Vinyl chloride	ND	4.8	1.6	ug/Kg	09/26/13	R/B	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	104			%	09/26/13	R/B	70 - 121 %	
% Bromofluorobenzene	92			%	09/26/13	R/B	59 - 113 %	
% Dibromofluoromethane	119			%	09/26/13	R/B	70 - 130 %	
% Toluene-d8	99			%	09/26/13	R/B	84 - 138 %	
Volatile Library Search Top 10	Completed				10/03/13	R/B		

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

8260 Analysis:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 03, 2013

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 03, 2013

FOR: Attn: Mr Ken Brooks
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MG	09/24/13	8:10
Location Code:	GALLI-ENG	Received by:	SW	09/25/13	15:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF45197
Phoenix ID: BF45201

Project ID: 48 SEWELL ST
Client ID: FM-3

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36		0.36	0.22	mg/Kg	09/27/13	EK	SW6010
Aluminum	3520	*	36	2.2	mg/Kg	09/27/13	EK	SW6010
Arsenic	6.3		0.7	0.29	mg/Kg	09/27/13	EK	SW6010
Barium	11.9	*	0.7	0.14	mg/Kg	09/27/13	EK	SW6010
Beryllium	< 0.29		0.29	0.14	mg/Kg	09/27/13	EK	SW6010
Calcium	1620	N*	3.6	3.3	mg/Kg	09/27/13	EK	SW6010
Cadmium	0.51		0.36	0.14	mg/Kg	09/27/13	EK	SW6010
Cobalt	1.86		0.36	0.14	mg/Kg	09/27/13	EK	SW6010
Chromium	12.5	*	0.36	0.14	mg/Kg	09/27/13	EK	SW6010
Copper	5.78		0.36	0.29	mg/kg	09/27/13	EK	SW6010
Iron	11600	*	36	36	mg/Kg	09/27/13	EK	SW6010
Mercury	< 0.07		0.07	0.04	mg/Kg	09/26/13	RS	SW-7471
Potassium	204		7	2.8	mg/Kg	09/27/13	EK	SW6010
Magnesium	1160	N	3.6	0.22	mg/Kg	09/27/13	EK	SW6010
Manganese	50.4		0.36	0.14	mg/Kg	09/27/13	EK	SW6010
Sodium	13		7	3.1	mg/Kg	09/27/13	EK	SW6010
Nickel	6.08		0.36	0.14	mg/Kg	09/27/13	EK	SW6010
Lead	59.4		0.7	0.22	mg/Kg	09/27/13	EK	SW6010
Antimony	< 1.8		1.8	0.65	mg/Kg	09/27/13	EK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	09/27/13	EK	SW6010
Thallium	< 1.4		1.4	1.2	mg/Kg	09/27/13	EK	SW6010
Vanadium	11.9	*	0.4	0.14	mg/Kg	09/27/13	EK	SW6010
Zinc	20.7		0.7	0.36	mg/Kg	09/27/13	EK	SW6010
Percent Solid	95				%	09/25/13	W	E160.3
Soil Extraction for SVOA	Completed					09/25/13	JJ/FV	SW3545
Mercury Digestion	Completed					09/26/13	I/I	SW7471
Total Metals Digest	Completed					09/25/13	Z/AG	SW846 - 3050

Project ID: 48 SEWELL ST
Client ID: FM-3

Phoenix I.D.: BF45201

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Semivolatiles								
1,1-Biphenyl	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	09/26/13	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	09/26/13	DD	SW 8270	
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dichlorophenol	ND	140	120	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dimethylphenol	ND	240	86	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dinitrophenol	ND	240	240	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dinitrotoluene	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
2,6-Dinitrotoluene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
2-Chloronaphthalene	ND	240	98	ug/Kg	09/26/13	DD	SW 8270	
2-Chlorophenol	ND	240	98	ug/Kg	09/26/13	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	09/26/13	DD	SW 8270	
2-Nitroaniline	ND	1700	350	ug/Kg	09/26/13	DD	SW 8270	
2-Nitrophenol	ND	240	220	ug/Kg	09/26/13	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	09/26/13	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
3-Nitroaniline	ND	1700	750	ug/Kg	09/26/13	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	240	240	ug/Kg	09/26/13	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
4-Chloroaniline	ND	690	160	ug/Kg	09/26/13	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
4-Nitroaniline	ND	1700	120	ug/Kg	09/26/13	DD	SW 8270	
4-Nitrophenol	ND	1700	160	ug/Kg	09/26/13	DD	SW 8270	
Acenaphthene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Acenaphthylene	ND	140	97	ug/Kg	09/26/13	DD	SW 8270	
Acetophenone	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Atrazine	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
Benz(a)anthracene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
Benzaldehyde	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
Benzo(a)pyrene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Benzyl butyl phthalate	ND	240	89	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	140	93	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	96	ug/Kg	09/26/13	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
Caprolactam	ND	240	240	ug/Kg	09/26/13	DD	SW 8270	
Carbazole	ND	1700	260	ug/Kg	09/26/13	DD	SW 8270	
Chrysene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
Dibenzofuran	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dimethylphthalate	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Di-n-butylphthalate	ND	240	92	ug/Kg	09/26/13	DD	SW 8270
Di-n-octylphthalate	ND	240	89	ug/Kg	09/26/13	DD	SW 8270
Fluoranthene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Fluorene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Hexachlorobenzene	ND	140	100	ug/Kg	09/26/13	DD	SW 8270
Hexachlorobutadiene	ND	240	130	ug/Kg	09/26/13	DD	SW 8270
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Hexachloroethane	ND	140	100	ug/Kg	09/26/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Isophorone	ND	140	97	ug/Kg	09/26/13	DD	SW 8270
Naphthalene	ND	240	100	ug/Kg	09/26/13	DD	SW 8270
Nitrobenzene	ND	140	120	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodimethylamine	ND	240	97	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	09/26/13	DD	SW 8270
Pentachlorophenol	ND	240	130	ug/Kg	09/26/13	DD	SW 8270
Phenanthrene	ND	140	99	ug/Kg	09/26/13	DD	SW 8270
Phenol	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Pyrene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	90			%	09/26/13	DD	19 - 122 %
% 2-Fluorobiphenyl	89			%	09/26/13	DD	30 - 115 %
% 2-Fluorophenol	70			%	09/26/13	DD	25 - 121 %
% Nitrobenzene-d5	82			%	09/26/13	DD	23 - 120 %
% Phenol-d5	80			%	09/26/13	DD	24 - 113 %
% Terphenyl-d14	107			%	09/26/13	DD	18 - 137 %
SVOA Library Search Top 15	Completed				10/03/13	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 03, 2013

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 03, 2013

FOR: Attn: Mr Ken Brooks
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MG	09/24/13	8:10
Location Code:	GALLI-ENG	Received by:	SW	09/25/13	15:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF45197
Phoenix ID: BF45202

Project ID: 48 SEWELL ST
Client ID: FM-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	95	1		%	09/26/13	SW	E160.3
1,4-dioxane							
1,4-dioxane	ND	100	110	ug/kg	09/26/13	R/B	SW8260B
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102			%	09/26/13	R/B	70 - 121 %
% Bromofluorobenzene	88			%	09/26/13	R/B	59 - 113 %
% Toluene-d8	99			%	09/26/13	R/B	84 - 138 %
Volatiles							
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	09/26/13	R/B	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	0.75	ug/Kg	09/26/13	R/B	SW8260
1,1,2-Trichloroethane	ND	5.3	0.52	ug/Kg	09/26/13	R/B	SW8260
1,1-Dichloroethane	ND	5.3	1.1	ug/Kg	09/26/13	R/B	SW8260
1,1-Dichloroethene	ND	5.3	1.2	ug/Kg	09/26/13	R/B	SW8260
1,2,3-Trichlorobenzene	ND	5.3	0.71	ug/Kg	09/26/13	R/B	SW8260
1,2,4-Trichlorobenzene	ND	5.3	0.63	ug/Kg	09/26/13	R/B	SW8260
1,2-Dibromo-3-chloropropane	ND	5.3	1.4	ug/Kg	09/26/13	R/B	SW8260
1,2-Dibromoethane	ND	5.3	1.4	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichlorobenzene	ND	5.3	0.58	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichloroethane	ND	5.3	0.47	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichloropropane	ND	5.3	0.75	ug/Kg	09/26/13	R/B	SW8260
1,3-Dichlorobenzene	ND	5.3	0.79	ug/Kg	09/26/13	R/B	SW8260
1,4-Dichlorobenzene	ND	5.3	0.84	ug/Kg	09/26/13	R/B	SW8260
2-Hexanone	ND	27	2.4	ug/Kg	09/26/13	R/B	SW8260
4-Methyl-2-pentanone	ND	27	1.3	ug/Kg	09/26/13	R/B	SW8260
Acetone	ND	50	5.3	ug/Kg	09/26/13	R/B	SW8260
Benzene	ND	5.3	1.1	ug/Kg	09/26/13	R/B	SW8260
Bromochloromethane	ND	5.3	0.78	ug/Kg	09/26/13	R/B	SW8260

Project ID: 48 SEWELL ST
Client ID: FM-3

Phoenix I.D.: BF45202

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Bromodichloromethane	ND	5.3	0.66	ug/Kg	09/26/13	R/B	SW8260	
Bromoform	ND	5.3	0.74	ug/Kg	09/26/13	R/B	SW8260	
Bromomethane	ND	5.3	4.1	ug/Kg	09/26/13	R/B	SW8260	
Carbon Disulfide	ND	5.3	0.86	ug/Kg	09/26/13	R/B	SW8260	
Carbon tetrachloride	ND	5.3	0.62	ug/Kg	09/26/13	R/B	SW8260	
Chlorobenzene	ND	5.3	0.79	ug/Kg	09/26/13	R/B	SW8260	
Chloroethane	ND	5.3	1.2	ug/Kg	09/26/13	R/B	SW8260	
Chloroform	ND	5.3	0.97	ug/Kg	09/26/13	R/B	SW8260	
Chloromethane	ND	5.3	2.8	ug/Kg	09/26/13	R/B	SW8260	
cis-1,2-Dichloroethene	ND	5.3	1.2	ug/Kg	09/26/13	R/B	SW8260	
cis-1,3-Dichloropropene	ND	5.3	0.57	ug/Kg	09/26/13	R/B	SW8260	
Cyclohexane	ND	5.3	5.3	ug/Kg	09/26/13	R/B	SW8260	
Dibromochloromethane	ND	5.3	0.60	ug/Kg	09/26/13	R/B	SW8260	
Dichlorodifluoromethane	ND	5.3	1.4	ug/Kg	09/26/13	R/B	SW8260	
Ethylbenzene	ND	5.3	0.97	ug/Kg	09/26/13	R/B	SW8260	
Isopropylbenzene	ND	5.3	1.0	ug/Kg	09/26/13	R/B	SW8260	
m&p-Xylene	ND	5.3	2.1	ug/Kg	09/26/13	R/B	SW8260	
Methyl ethyl ketone	ND	32	4.6	ug/Kg	09/26/13	R/B	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	1.5	ug/Kg	09/26/13	R/B	SW8260	
Methylacetate	ND	5.3	5.3	ug/Kg	09/26/13	R/B	SW8260	
Methylcyclohexane	ND	5.3	5.3	ug/Kg	09/26/13	R/B	SW8260	
Methylene chloride	ND	5.3	0.87	ug/Kg	09/26/13	R/B	SW8260	B
o-Xylene	ND	5.3	2.0	ug/Kg	09/26/13	R/B	SW8260	
Styrene	ND	5.3	1.5	ug/Kg	09/26/13	R/B	SW8260	
Tetrachloroethene	ND	5.3	1.1	ug/Kg	09/26/13	R/B	SW8260	
Toluene	ND	5.3	0.84	ug/Kg	09/26/13	R/B	SW8260	
Total Xylenes	ND	5.3	2.1	ug/Kg	09/26/13	R/B	SW8260	
trans-1,2-Dichloroethene	ND	5.3	1.1	ug/Kg	09/26/13	R/B	SW8260	
trans-1,3-Dichloropropene	ND	5.3	1.1	ug/Kg	09/26/13	R/B	SW8260	
Trichloroethene	ND	5.3	1.1	ug/Kg	09/26/13	R/B	SW8260	
Trichlorofluoromethane	ND	5.3	1.2	ug/Kg	09/26/13	R/B	SW8260	
Trichlorotrifluoroethane	ND	5.3	0.83	ug/Kg	09/26/13	R/B	SW8260	
Vinyl chloride	ND	5.3	1.7	ug/Kg	09/26/13	R/B	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	09/26/13	R/B	70 - 121 %	
% Bromofluorobenzene	88			%	09/26/13	R/B	59 - 113 %	
% Dibromofluoromethane	106			%	09/26/13	R/B	70 - 130 %	
% Toluene-d8	99			%	09/26/13	R/B	84 - 138 %	
Volatile Library Search Top 10	Completed				10/03/13	R/B		

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

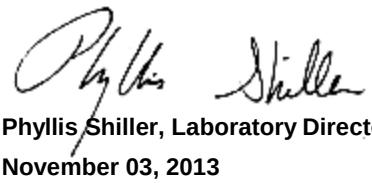
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 03, 2013

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 03, 2013

FOR: Attn: Mr Ken Brooks
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MG	09/24/13	8:30
Location Code:	GALLI-ENG	Received by:	SW	09/25/13	15:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF45197
Phoenix ID: BF45203

Project ID: 48 SEWELL ST
Client ID: FM-4

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34		0.34	0.20	mg/Kg	09/27/13	EK	SW6010
Aluminum	1000	*	34	2.0	mg/Kg	09/27/13	EK	SW6010
Arsenic	2.0		0.7	0.27	mg/Kg	09/27/13	EK	SW6010
Barium	4.7	*	0.7	0.13	mg/Kg	09/27/13	EK	SW6010
Beryllium	< 0.27		0.27	0.13	mg/Kg	09/27/13	EK	SW6010
Calcium	95.0	N*	3.4	3.1	mg/Kg	09/27/13	EK	SW6010
Cadmium	0.21	B	0.34	0.13	mg/Kg	09/27/13	EK	SW6010
Cobalt	0.69		0.34	0.13	mg/Kg	09/27/13	EK	SW6010
Chromium	3.59	*	0.34	0.13	mg/Kg	09/27/13	EK	SW6010
Copper	2.19		0.34	0.27	mg/kg	09/27/13	EK	SW6010
Iron	5020	*	34	34	mg/Kg	09/27/13	EK	SW6010
Mercury	< 0.06		0.06	0.04	mg/Kg	09/26/13	RS	SW-7471
Potassium	62		7	2.6	mg/Kg	09/27/13	EK	SW6010
Magnesium	99.2	N	3.4	0.20	mg/Kg	09/27/13	EK	SW6010
Manganese	14.8		0.34	0.13	mg/Kg	09/27/13	EK	SW6010
Sodium	< 7		7	2.9	mg/Kg	09/27/13	EK	SW6010
Nickel	2.18		0.34	0.13	mg/Kg	09/27/13	EK	SW6010
Lead	9.8		0.7	0.20	mg/Kg	09/27/13	EK	SW6010
Antimony	< 1.7		1.7	0.60	mg/Kg	09/27/13	EK	SW6010
Selenium	< 1.3		1.3	1.1	mg/Kg	09/27/13	EK	SW6010
Thallium	< 1.3		1.3	1.1	mg/Kg	09/27/13	EK	SW6010
Vanadium	4.4	*	0.3	0.13	mg/Kg	09/27/13	EK	SW6010
Zinc	8.4		0.7	0.34	mg/Kg	09/27/13	EK	SW6010
Percent Solid	98				%	09/25/13	W	E160.3
Soil Extraction for SVOA	Completed					09/25/13	JJ/FV	SW3545
Mercury Digestion	Completed					09/26/13	I/I	SW7471
Total Metals Digest	Completed					09/25/13	Z/AG	SW846 - 3050

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Semivolatiles								
1,1-Biphenyl	ND	230	100	ug/Kg	09/26/13	DD	SW 8270	
1,2,4,5-Tetrachlorobenzene	ND	230	120	ug/Kg	09/26/13	DD	SW 8270	
2,3,4,6-tetrachlorophenol	ND	230	160	ug/Kg	09/26/13	DD	SW 8270	
2,4,5-Trichlorophenol	ND	230	180	ug/Kg	09/26/13	DD	SW 8270	
2,4,6-Trichlorophenol	ND	130	110	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dichlorophenol	ND	130	120	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dimethylphenol	ND	230	83	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dinitrophenol	ND	230	230	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dinitrotoluene	ND	130	130	ug/Kg	09/26/13	DD	SW 8270	
2,6-Dinitrotoluene	ND	130	110	ug/Kg	09/26/13	DD	SW 8270	
2-Chloronaphthalene	ND	230	95	ug/Kg	09/26/13	DD	SW 8270	
2-Chlorophenol	ND	230	95	ug/Kg	09/26/13	DD	SW 8270	
2-Methylnaphthalene	ND	230	99	ug/Kg	09/26/13	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	230	160	ug/Kg	09/26/13	DD	SW 8270	
2-Nitroaniline	ND	1700	340	ug/Kg	09/26/13	DD	SW 8270	
2-Nitrophenol	ND	230	210	ug/Kg	09/26/13	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	230	130	ug/Kg	09/26/13	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	130	130	ug/Kg	09/26/13	DD	SW 8270	
3-Nitroaniline	ND	1700	730	ug/Kg	09/26/13	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	230	230	ug/Kg	09/26/13	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	230	98	ug/Kg	09/26/13	DD	SW 8270	
4-Chloro-3-methylphenol	ND	230	120	ug/Kg	09/26/13	DD	SW 8270	
4-Chloroaniline	ND	670	160	ug/Kg	09/26/13	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	230	110	ug/Kg	09/26/13	DD	SW 8270	
4-Nitroaniline	ND	1700	110	ug/Kg	09/26/13	DD	SW 8270	
4-Nitrophenol	ND	1700	150	ug/Kg	09/26/13	DD	SW 8270	
Acenaphthene	ND	230	100	ug/Kg	09/26/13	DD	SW 8270	
Acenaphthylene	ND	130	93	ug/Kg	09/26/13	DD	SW 8270	
Acetophenone	ND	230	100	ug/Kg	09/26/13	DD	SW 8270	
Anthracene	ND	230	110	ug/Kg	09/26/13	DD	SW 8270	
Atrazine	ND	130	130	ug/Kg	09/26/13	DD	SW 8270	
Benz(a)anthracene	ND	230	110	ug/Kg	09/26/13	DD	SW 8270	
Benzaldehyde	ND	230	99	ug/Kg	09/26/13	DD	SW 8270	
Benzo(a)pyrene	ND	130	110	ug/Kg	09/26/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	230	110	ug/Kg	09/26/13	DD	SW 8270	
Benzo(ghi)perylene	ND	230	110	ug/Kg	09/26/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	230	110	ug/Kg	09/26/13	DD	SW 8270	
Benzyl butyl phthalate	ND	230	86	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	230	92	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	130	90	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	230	93	ug/Kg	09/26/13	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	230	96	ug/Kg	09/26/13	DD	SW 8270	
Caprolactam	ND	230	230	ug/Kg	09/26/13	DD	SW 8270	
Carbazole	ND	1700	250	ug/Kg	09/26/13	DD	SW 8270	
Chrysene	ND	230	110	ug/Kg	09/26/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	130	110	ug/Kg	09/26/13	DD	SW 8270	
Dibenzofuran	ND	230	97	ug/Kg	09/26/13	DD	SW 8270	
Diethyl phthalate	ND	230	110	ug/Kg	09/26/13	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dimethylphthalate	ND	230	100	ug/Kg	09/26/13	DD	SW 8270
Di-n-butylphthalate	ND	230	89	ug/Kg	09/26/13	DD	SW 8270
Di-n-octylphthalate	ND	230	86	ug/Kg	09/26/13	DD	SW 8270
Fluoranthene	ND	230	110	ug/Kg	09/26/13	DD	SW 8270
Fluorene	ND	230	110	ug/Kg	09/26/13	DD	SW 8270
Hexachlorobenzene	ND	130	97	ug/Kg	09/26/13	DD	SW 8270
Hexachlorobutadiene	ND	230	120	ug/Kg	09/26/13	DD	SW 8270
Hexachlorocyclopentadiene	ND	230	100	ug/Kg	09/26/13	DD	SW 8270
Hexachloroethane	ND	130	100	ug/Kg	09/26/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	230	110	ug/Kg	09/26/13	DD	SW 8270
Isophorone	ND	130	93	ug/Kg	09/26/13	DD	SW 8270
Naphthalene	ND	230	96	ug/Kg	09/26/13	DD	SW 8270
Nitrobenzene	ND	130	120	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodimethylamine	ND	230	94	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	130	110	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodiphenylamine	ND	130	130	ug/Kg	09/26/13	DD	SW 8270
Pentachlorophenol	ND	230	130	ug/Kg	09/26/13	DD	SW 8270
Phenanthrene	ND	130	95	ug/Kg	09/26/13	DD	SW 8270
Phenol	ND	230	110	ug/Kg	09/26/13	DD	SW 8270
Pyrene	ND	230	110	ug/Kg	09/26/13	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	88			%	09/26/13	DD	19 - 122 %
% 2-Fluorobiphenyl	89			%	09/26/13	DD	30 - 115 %
% 2-Fluorophenol	70			%	09/26/13	DD	25 - 121 %
% Nitrobenzene-d5	82			%	09/26/13	DD	23 - 120 %
% Phenol-d5	80			%	09/26/13	DD	24 - 113 %
% Terphenyl-d14	103			%	09/26/13	DD	18 - 137 %
SVOA Library Search Top 15	Completed				10/03/13	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 03, 2013

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 03, 2013

FOR: Attn: Mr Ken Brooks
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MG	09/24/13	8:30
Location Code:	GALLI-ENG	Received by:	SW	09/25/13	15:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF45197
Phoenix ID: BF45204

Project ID: 48 SEWELL ST
Client ID: FM-4

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	98	1		%	09/26/13	SW	E160.3
1,4-dioxane							
1,4-dioxane	ND	72	72	ug/kg	09/26/13	R/B	SW8260B
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104			%	09/26/13	R/B	70 - 121 %
% Bromofluorobenzene	93			%	09/26/13	R/B	59 - 113 %
% Toluene-d8	99			%	09/26/13	R/B	84 - 138 %
Volatiles							
1,1,1-Trichloroethane	ND	3.6	0.72	ug/Kg	09/26/13	R/B	SW8260
1,1,2,2-Tetrachloroethane	ND	3.6	0.51	ug/Kg	09/26/13	R/B	SW8260
1,1,2-Trichloroethane	ND	3.6	0.36	ug/Kg	09/26/13	R/B	SW8260
1,1-Dichloroethane	ND	3.6	0.72	ug/Kg	09/26/13	R/B	SW8260
1,1-Dichloroethene	ND	3.6	0.79	ug/Kg	09/26/13	R/B	SW8260
1,2,3-Trichlorobenzene	ND	3.6	0.49	ug/Kg	09/26/13	R/B	SW8260
1,2,4-Trichlorobenzene	ND	3.6	0.43	ug/Kg	09/26/13	R/B	SW8260
1,2-Dibromo-3-chloropropane	ND	3.6	0.97	ug/Kg	09/26/13	R/B	SW8260
1,2-Dibromoethane	ND	3.6	0.96	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichlorobenzene	ND	3.6	0.40	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichloroethane	ND	3.6	0.32	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichloropropane	ND	3.6	0.51	ug/Kg	09/26/13	R/B	SW8260
1,3-Dichlorobenzene	ND	3.6	0.54	ug/Kg	09/26/13	R/B	SW8260
1,4-Dichlorobenzene	ND	3.6	0.57	ug/Kg	09/26/13	R/B	SW8260
2-Hexanone	ND	18	1.6	ug/Kg	09/26/13	R/B	SW8260
4-Methyl-2-pentanone	ND	18	0.86	ug/Kg	09/26/13	R/B	SW8260
Acetone	ND	36	3.6	ug/Kg	09/26/13	R/B	SW8260
Benzene	ND	3.6	0.72	ug/Kg	09/26/13	R/B	SW8260
Bromochloromethane	ND	3.6	0.53	ug/Kg	09/26/13	R/B	SW8260

Project ID: 48 SEWELL ST
Client ID: FM-4

Phoenix I.D.: BF45204

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Bromodichloromethane	ND	3.6	0.45	ug/Kg	09/26/13	R/B	SW8260	
Bromoform	ND	3.6	0.51	ug/Kg	09/26/13	R/B	SW8260	
Bromomethane	ND	3.6	2.8	ug/Kg	09/26/13	R/B	SW8260	
Carbon Disulfide	ND	3.6	0.59	ug/Kg	09/26/13	R/B	SW8260	
Carbon tetrachloride	ND	3.6	0.42	ug/Kg	09/26/13	R/B	SW8260	
Chlorobenzene	ND	3.6	0.54	ug/Kg	09/26/13	R/B	SW8260	
Chloroethane	ND	3.6	0.85	ug/Kg	09/26/13	R/B	SW8260	
Chloroform	ND	3.6	0.66	ug/Kg	09/26/13	R/B	SW8260	
Chloromethane	ND	3.6	1.9	ug/Kg	09/26/13	R/B	SW8260	
cis-1,2-Dichloroethene	ND	3.6	0.79	ug/Kg	09/26/13	R/B	SW8260	
cis-1,3-Dichloropropene	ND	3.6	0.39	ug/Kg	09/26/13	R/B	SW8260	
Cyclohexane	ND	3.6	3.6	ug/Kg	09/26/13	R/B	SW8260	
Dibromochloromethane	ND	3.6	0.41	ug/Kg	09/26/13	R/B	SW8260	
Dichlorodifluoromethane	ND	3.6	0.96	ug/Kg	09/26/13	R/B	SW8260	
Ethylbenzene	ND	3.6	0.66	ug/Kg	09/26/13	R/B	SW8260	
Isopropylbenzene	ND	3.6	0.70	ug/Kg	09/26/13	R/B	SW8260	
m&p-Xylene	ND	3.6	1.4	ug/Kg	09/26/13	R/B	SW8260	
Methyl ethyl ketone	ND	22	3.1	ug/Kg	09/26/13	R/B	SW8260	
Methyl t-butyl ether (MTBE)	ND	7.2	1.0	ug/Kg	09/26/13	R/B	SW8260	
Methylacetate	ND	3.6	3.6	ug/Kg	09/26/13	R/B	SW8260	
Methylcyclohexane	ND	3.6	3.6	ug/Kg	09/26/13	R/B	SW8260	
Methylene chloride	ND	3.6	0.59	ug/Kg	09/26/13	R/B	SW8260	B
o-Xylene	ND	3.6	1.4	ug/Kg	09/26/13	R/B	SW8260	
Styrene	ND	3.6	1.0	ug/Kg	09/26/13	R/B	SW8260	
Tetrachloroethene	ND	3.6	0.76	ug/Kg	09/26/13	R/B	SW8260	
Toluene	ND	3.6	0.57	ug/Kg	09/26/13	R/B	SW8260	
Total Xylenes	ND	3.6	1.4	ug/Kg	09/26/13	R/B	SW8260	
trans-1,2-Dichloroethene	ND	3.6	0.72	ug/Kg	09/26/13	R/B	SW8260	
trans-1,3-Dichloropropene	ND	3.6	0.74	ug/Kg	09/26/13	R/B	SW8260	
Trichloroethene	ND	3.6	0.77	ug/Kg	09/26/13	R/B	SW8260	
Trichlorofluoromethane	ND	3.6	0.80	ug/Kg	09/26/13	R/B	SW8260	
Trichlorotrifluoroethane	ND	3.6	0.57	ug/Kg	09/26/13	R/B	SW8260	
Vinyl chloride	ND	3.6	1.2	ug/Kg	09/26/13	R/B	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	104			%	09/26/13	R/B	70 - 121 %	
% Bromofluorobenzene	93			%	09/26/13	R/B	59 - 113 %	
% Dibromofluoromethane	108			%	09/26/13	R/B	70 - 130 %	
% Toluene-d8	99			%	09/26/13	R/B	84 - 138 %	
Volatile Library Search Top 10	Completed				10/03/13	R/B		

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Analysis Report

November 03, 2013

FOR: Attn: Mr Ken Brooks
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MG	09/24/13	8:30
Location Code:	GALLI-ENG	Received by:	SW	09/25/13	15:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF45197
Phoenix ID: BF45205

Project ID: 48 SEWELL ST
Client ID: FM-5

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34		0.34	0.21	mg/Kg	09/27/13	EK	SW6010
Aluminum	1580	*	34	2.1	mg/Kg	09/27/13	EK	SW6010
Arsenic	2.6		0.7	0.27	mg/Kg	09/27/13	EK	SW6010
Barium	61.7	*	0.7	0.14	mg/Kg	09/27/13	EK	SW6010
Beryllium	< 0.27		0.27	0.14	mg/Kg	09/27/13	EK	SW6010
Calcium	2290	N*	3.4	3.1	mg/Kg	09/27/13	EK	SW6010
Cadmium	0.30	B	0.34	0.14	mg/Kg	09/27/13	EK	SW6010
Cobalt	0.94		0.34	0.14	mg/Kg	09/27/13	EK	SW6010
Chromium	5.32	*	0.34	0.14	mg/Kg	09/27/13	EK	SW6010
Copper	6.52		0.34	0.27	mg/kg	09/27/13	EK	SW6010
Iron	4760	*	34	34	mg/Kg	09/27/13	EK	SW6010
Mercury	< 0.08		0.08	0.05	mg/Kg	09/26/13	RS	SW-7471
Potassium	123		7	2.7	mg/Kg	09/27/13	EK	SW6010
Magnesium	328	N	3.4	0.21	mg/Kg	09/27/13	EK	SW6010
Manganese	39.0		0.34	0.14	mg/Kg	09/27/13	EK	SW6010
Sodium	26		7	2.9	mg/Kg	09/27/13	EK	SW6010
Nickel	2.92		0.34	0.14	mg/Kg	09/27/13	EK	SW6010
Lead	145		6.8	2.1	mg/Kg	09/27/13	EK	SW6010
Antimony	< 1.7		1.7	0.62	mg/Kg	09/27/13	EK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	09/27/13	EK	SW6010
Thallium	< 1.4		1.4	1.1	mg/Kg	09/27/13	EK	SW6010
Vanadium	6.9	*	0.3	0.14	mg/Kg	09/27/13	EK	SW6010
Zinc	76.5		0.7	0.34	mg/Kg	09/27/13	EK	SW6010
Percent Solid	95				%	09/25/13	W	E160.3
Soil Extraction for SVOA	Completed					09/25/13	JJ/FV	SW3545
Mercury Digestion	Completed					09/26/13	I/I	SW7471
Total Metals Digest	Completed					09/25/13	Z/AG	SW846 - 3050

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Semivolatiles								
1,1-Biphenyl	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	09/26/13	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	09/26/13	DD	SW 8270	
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dichlorophenol	ND	140	120	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dimethylphenol	ND	240	85	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dinitrophenol	ND	240	240	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dinitrotoluene	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
2,6-Dinitrotoluene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
2-Chloronaphthalene	ND	240	98	ug/Kg	09/26/13	DD	SW 8270	
2-Chlorophenol	ND	240	98	ug/Kg	09/26/13	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	09/26/13	DD	SW 8270	
2-Nitroaniline	ND	1700	350	ug/Kg	09/26/13	DD	SW 8270	
2-Nitrophenol	ND	240	220	ug/Kg	09/26/13	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	09/26/13	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
3-Nitroaniline	ND	1700	750	ug/Kg	09/26/13	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	240	240	ug/Kg	09/26/13	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
4-Chloroaniline	ND	690	160	ug/Kg	09/26/13	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
4-Nitroaniline	ND	1700	120	ug/Kg	09/26/13	DD	SW 8270	
4-Nitrophenol	ND	1700	160	ug/Kg	09/26/13	DD	SW 8270	
Acenaphthene	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
Acenaphthylene	ND	140	96	ug/Kg	09/26/13	DD	SW 8270	
Acetophenone	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Atrazine	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
Benz(a)anthracene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
Benzaldehyde	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
Benzo(a)pyrene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Benzyl butyl phthalate	ND	240	89	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	140	93	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	96	ug/Kg	09/26/13	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	99	ug/Kg	09/26/13	DD	SW 8270	
Caprolactam	ND	240	240	ug/Kg	09/26/13	DD	SW 8270	
Carbazole	ND	1700	260	ug/Kg	09/26/13	DD	SW 8270	
Chrysene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
Dibenzofuran	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dimethylphthalate	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Di-n-butylphthalate	ND	240	92	ug/Kg	09/26/13	DD	SW 8270
Di-n-octylphthalate	ND	240	89	ug/Kg	09/26/13	DD	SW 8270
Fluoranthene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Fluorene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Hexachlorobenzene	ND	140	100	ug/Kg	09/26/13	DD	SW 8270
Hexachlorobutadiene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Hexachloroethane	ND	140	100	ug/Kg	09/26/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Isophorone	ND	140	96	ug/Kg	09/26/13	DD	SW 8270
Naphthalene	ND	240	99	ug/Kg	09/26/13	DD	SW 8270
Nitrobenzene	ND	140	120	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodimethylamine	ND	240	97	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	09/26/13	DD	SW 8270
Pentachlorophenol	ND	240	130	ug/Kg	09/26/13	DD	SW 8270
Phenanthrene	ND	140	99	ug/Kg	09/26/13	DD	SW 8270
Phenol	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Pyrene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	65			%	09/26/13	DD	19 - 122 %
% 2-Fluorobiphenyl	69			%	09/26/13	DD	30 - 115 %
% 2-Fluorophenol	55			%	09/26/13	DD	25 - 121 %
% Nitrobenzene-d5	62			%	09/26/13	DD	23 - 120 %
% Phenol-d5	62			%	09/26/13	DD	24 - 113 %
% Terphenyl-d14	76			%	09/26/13	DD	18 - 137 %
SVOA Library Search Top 15	Completed				10/03/13	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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November 03, 2013

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Analysis Report

November 03, 2013

FOR: Attn: Mr Ken Brooks
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MG	09/24/13	8:30
Location Code:	GALLI-ENG	Received by:	SW	09/25/13	15:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF45197
Phoenix ID: BF45206

Project ID: 48 SEWELL ST
Client ID: FM-5

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	95	1		%	09/26/13	SW	E160.3
1,4-dioxane							
1,4-dioxane	ND	99	99	ug/kg	09/26/13	R/B	SW8260B
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102			%	09/26/13	R/B	70 - 121 %
% Bromofluorobenzene	86			%	09/26/13	R/B	59 - 113 %
% Toluene-d8	99			%	09/26/13	R/B	84 - 138 %
Volatiles							
1,1,1-Trichloroethane	ND	4.9	0.99	ug/Kg	09/26/13	R/B	SW8260
1,1,2,2-Tetrachloroethane	ND	4.9	0.70	ug/Kg	09/26/13	R/B	SW8260
1,1,2-Trichloroethane	ND	4.9	0.48	ug/Kg	09/26/13	R/B	SW8260
1,1-Dichloroethane	ND	4.9	0.98	ug/Kg	09/26/13	R/B	SW8260
1,1-Dichloroethene	ND	4.9	1.1	ug/Kg	09/26/13	R/B	SW8260
1,2,3-Trichlorobenzene	ND	4.9	0.66	ug/Kg	09/26/13	R/B	SW8260
1,2,4-Trichlorobenzene	ND	4.9	0.58	ug/Kg	09/26/13	R/B	SW8260
1,2-Dibromo-3-chloropropane	ND	4.9	1.3	ug/Kg	09/26/13	R/B	SW8260
1,2-Dibromoethane	ND	4.9	1.3	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichlorobenzene	ND	4.9	0.54	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichloroethane	ND	4.9	0.44	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichloropropane	ND	4.9	0.70	ug/Kg	09/26/13	R/B	SW8260
1,3-Dichlorobenzene	ND	4.9	0.73	ug/Kg	09/26/13	R/B	SW8260
1,4-Dichlorobenzene	ND	4.9	0.78	ug/Kg	09/26/13	R/B	SW8260
2-Hexanone	ND	25	2.2	ug/Kg	09/26/13	R/B	SW8260
4-Methyl-2-pentanone	ND	25	1.2	ug/Kg	09/26/13	R/B	SW8260
Acetone	ND	49	4.9	ug/Kg	09/26/13	R/B	SW8260
Benzene	ND	4.9	0.98	ug/Kg	09/26/13	R/B	SW8260
Bromochloromethane	ND	4.9	0.72	ug/Kg	09/26/13	R/B	SW8260

Project ID: 48 SEWELL ST
Client ID: FM-5

Phoenix I.D.: BF45206

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromodichloromethane	ND	4.9	0.61	ug/Kg	09/26/13	R/B	SW8260
Bromoform	ND	4.9	0.69	ug/Kg	09/26/13	R/B	SW8260
Bromomethane	ND	4.9	3.8	ug/Kg	09/26/13	R/B	SW8260
Carbon Disulfide	ND	4.9	0.80	ug/Kg	09/26/13	R/B	SW8260
Carbon tetrachloride	ND	4.9	0.57	ug/Kg	09/26/13	R/B	SW8260
Chlorobenzene	ND	4.9	0.73	ug/Kg	09/26/13	R/B	SW8260
Chloroethane	ND	4.9	1.2	ug/Kg	09/26/13	R/B	SW8260
Chloroform	ND	4.9	0.90	ug/Kg	09/26/13	R/B	SW8260
Chloromethane	ND	4.9	2.6	ug/Kg	09/26/13	R/B	SW8260
cis-1,2-Dichloroethene	ND	4.9	1.1	ug/Kg	09/26/13	R/B	SW8260
cis-1,3-Dichloropropene	ND	4.9	0.53	ug/Kg	09/26/13	R/B	SW8260
Cyclohexane	ND	4.9	4.9	ug/Kg	09/26/13	R/B	SW8260
Dibromochloromethane	ND	4.9	0.55	ug/Kg	09/26/13	R/B	SW8260
Dichlorodifluoromethane	ND	4.9	1.3	ug/Kg	09/26/13	R/B	SW8260
Ethylbenzene	ND	4.9	0.90	ug/Kg	09/26/13	R/B	SW8260
Isopropylbenzene	ND	4.9	0.95	ug/Kg	09/26/13	R/B	SW8260
m&p-Xylene	ND	4.9	1.9	ug/Kg	09/26/13	R/B	SW8260
Methyl ethyl ketone	ND	30	4.3	ug/Kg	09/26/13	R/B	SW8260
Methyl t-butyl ether (MTBE)	ND	9.9	1.4	ug/Kg	09/26/13	R/B	SW8260
Methylacetate	ND	4.9	4.9	ug/Kg	09/26/13	R/B	SW8260
Methylcyclohexane	ND	4.9	4.9	ug/Kg	09/26/13	R/B	SW8260
Methylene chloride	ND	4.9	0.81	ug/Kg	09/26/13	R/B	SW8260
o-Xylene	ND	4.9	1.9	ug/Kg	09/26/13	R/B	SW8260
Styrene	ND	4.9	1.4	ug/Kg	09/26/13	R/B	SW8260
Tetrachloroethene	ND	4.9	1.0	ug/Kg	09/26/13	R/B	SW8260
Toluene	ND	4.9	0.78	ug/Kg	09/26/13	R/B	SW8260
Total Xylenes	ND	4.9	1.9	ug/Kg	09/26/13	R/B	SW8260
trans-1,2-Dichloroethene	ND	4.9	0.99	ug/Kg	09/26/13	R/B	SW8260
trans-1,3-Dichloropropene	ND	4.9	1.0	ug/Kg	09/26/13	R/B	SW8260
Trichloroethene	ND	4.9	1.0	ug/Kg	09/26/13	R/B	SW8260
Trichlorofluoromethane	ND	4.9	1.1	ug/Kg	09/26/13	R/B	SW8260
Trichlorotrifluoroethane	ND	4.9	0.77	ug/Kg	09/26/13	R/B	SW8260
Vinyl chloride	ND	4.9	1.6	ug/Kg	09/26/13	R/B	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102			%	09/26/13	R/B	70 - 121 %
% Bromofluorobenzene	86			%	09/26/13	R/B	59 - 113 %
% Dibromofluoromethane	105			%	09/26/13	R/B	70 - 130 %
% Toluene-d8	99			%	09/26/13	R/B	84 - 138 %
Volatile Library Search Top 10	Completed				09/26/13	R/B	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 03, 2013

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 03, 2013

FOR: Attn: Mr Ken Brooks
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MG	09/24/13	8:51
Location Code:	GALLI-ENG	Received by:	SW	09/25/13	15:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF45197
Phoenix ID: BF45207

Project ID: 48 SEWELL ST
Client ID: FM-6

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35		0.35	0.21	mg/Kg	09/27/13	EK	SW6010
Aluminum	1780	*	35	2.1	mg/Kg	09/27/13	EK	SW6010
Arsenic	2.8		0.7	0.28	mg/Kg	09/27/13	EK	SW6010
Barium	29.7	*	0.7	0.14	mg/Kg	09/27/13	EK	SW6010
Beryllium	< 0.28		0.28	0.14	mg/Kg	09/27/13	EK	SW6010
Calcium	606	N*	3.5	3.2	mg/Kg	09/27/13	EK	SW6010
Cadmium	0.30	B	0.35	0.14	mg/Kg	09/27/13	EK	SW6010
Cobalt	0.83		0.35	0.14	mg/Kg	09/27/13	EK	SW6010
Chromium	8.66	*	0.35	0.14	mg/Kg	09/27/13	EK	SW6010
Copper	3.94		0.35	0.28	mg/kg	09/27/13	EK	SW6010
Iron	5660	*	35	35	mg/Kg	09/27/13	EK	SW6010
Mercury	< 0.06		0.06	0.04	mg/Kg	09/26/13	RS	SW-7471
Potassium	93		7	2.7	mg/Kg	09/27/13	EK	SW6010
Magnesium	185	N	3.5	0.21	mg/Kg	09/27/13	EK	SW6010
Manganese	20.5		0.35	0.14	mg/Kg	09/27/13	EK	SW6010
Sodium	5	B	7	3.0	mg/Kg	09/27/13	EK	SW6010
Nickel	3.64		0.35	0.14	mg/Kg	09/27/13	EK	SW6010
Lead	65.2		0.7	0.21	mg/Kg	09/27/13	EK	SW6010
Antimony	< 1.8		1.8	0.63	mg/Kg	09/27/13	EK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	09/27/13	EK	SW6010
Thallium	< 1.4		1.4	1.1	mg/Kg	09/27/13	EK	SW6010
Vanadium	7.3	*	0.4	0.14	mg/Kg	09/27/13	EK	SW6010
Zinc	33.6		0.7	0.35	mg/Kg	09/27/13	EK	SW6010
Percent Solid	96				%	09/25/13	W	E160.3
Soil Extraction for SVOA	Completed					09/25/13	JJ/FV	SW3545
Mercury Digestion	Completed					09/26/13	I/I	SW7471
Total Metals Digest	Completed					09/25/13	Z/AG	SW846 - 3050

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Semivolatiles								
1,1-Biphenyl	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	09/26/13	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	09/26/13	DD	SW 8270	
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dichlorophenol	ND	140	120	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dimethylphenol	ND	240	86	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dinitrophenol	ND	240	240	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dinitrotoluene	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
2,6-Dinitrotoluene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
2-Chloronaphthalene	ND	240	98	ug/Kg	09/26/13	DD	SW 8270	
2-Chlorophenol	ND	240	98	ug/Kg	09/26/13	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	09/26/13	DD	SW 8270	
2-Nitroaniline	ND	1700	350	ug/Kg	09/26/13	DD	SW 8270	
2-Nitrophenol	ND	240	220	ug/Kg	09/26/13	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	09/26/13	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
3-Nitroaniline	ND	1700	750	ug/Kg	09/26/13	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	240	240	ug/Kg	09/26/13	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
4-Chloroaniline	ND	690	160	ug/Kg	09/26/13	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
4-Nitroaniline	ND	1700	120	ug/Kg	09/26/13	DD	SW 8270	
4-Nitrophenol	ND	1700	160	ug/Kg	09/26/13	DD	SW 8270	
Acenaphthene	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
Acenaphthylene	ND	140	97	ug/Kg	09/26/13	DD	SW 8270	
Acetophenone	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Atrazine	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
Benz(a)anthracene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
Benzaldehyde	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
Benzo(a)pyrene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Benzyl butyl phthalate	ND	240	89	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	140	93	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	96	ug/Kg	09/26/13	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	99	ug/Kg	09/26/13	DD	SW 8270	
Caprolactam	ND	240	240	ug/Kg	09/26/13	DD	SW 8270	
Carbazole	ND	1700	260	ug/Kg	09/26/13	DD	SW 8270	
Chrysene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
Dibenzofuran	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dimethylphthalate	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Di-n-butylphthalate	ND	240	92	ug/Kg	09/26/13	DD	SW 8270
Di-n-octylphthalate	ND	240	89	ug/Kg	09/26/13	DD	SW 8270
Fluoranthene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Fluorene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Hexachlorobenzene	ND	140	100	ug/Kg	09/26/13	DD	SW 8270
Hexachlorobutadiene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Hexachloroethane	ND	140	100	ug/Kg	09/26/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Isophorone	ND	140	97	ug/Kg	09/26/13	DD	SW 8270
Naphthalene	ND	240	99	ug/Kg	09/26/13	DD	SW 8270
Nitrobenzene	ND	140	120	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodimethylamine	ND	240	97	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	09/26/13	DD	SW 8270
Pentachlorophenol	ND	240	130	ug/Kg	09/26/13	DD	SW 8270
Phenanthrene	ND	140	99	ug/Kg	09/26/13	DD	SW 8270
Phenol	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Pyrene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	87			%	09/26/13	DD	19 - 122 %
% 2-Fluorobiphenyl	92			%	09/26/13	DD	30 - 115 %
% 2-Fluorophenol	70			%	09/26/13	DD	25 - 121 %
% Nitrobenzene-d5	79			%	09/26/13	DD	23 - 120 %
% Phenol-d5	79			%	09/26/13	DD	24 - 113 %
% Terphenyl-d14	104			%	09/26/13	DD	18 - 137 %
SVOA Library Search Top 15	Completed				10/03/13	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 03, 2013

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 03, 2013

FOR: Attn: Mr Ken Brooks
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MG	09/24/13	8:51
Location Code:	GALLI-ENG	Received by:	SW	09/25/13	15:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF45197
Phoenix ID: BF45208

Project ID: 48 SEWELL ST
Client ID: FM-6

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	96	1		%	09/26/13	SW	E160.3
1,4-dioxane							
1,4-dioxane	ND	72	72	ug/kg	09/26/13	R/B	SW8260B
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104			%	09/26/13	R/B	70 - 121 %
% Bromofluorobenzene	91			%	09/26/13	R/B	59 - 113 %
% Toluene-d8	100			%	09/26/13	R/B	84 - 138 %
Volatiles							
1,1,1-Trichloroethane	ND	3.6	0.72	ug/Kg	09/26/13	R/B	SW8260
1,1,2,2-Tetrachloroethane	ND	3.6	0.51	ug/Kg	09/26/13	R/B	SW8260
1,1,2-Trichloroethane	ND	3.6	0.35	ug/Kg	09/26/13	R/B	SW8260
1,1-Dichloroethane	ND	3.6	0.71	ug/Kg	09/26/13	R/B	SW8260
1,1-Dichloroethene	ND	3.6	0.78	ug/Kg	09/26/13	R/B	SW8260
1,2,3-Trichlorobenzene	ND	3.6	0.48	ug/Kg	09/26/13	R/B	SW8260
1,2,4-Trichlorobenzene	ND	3.6	0.42	ug/Kg	09/26/13	R/B	SW8260
1,2-Dibromo-3-chloropropane	ND	3.6	0.96	ug/Kg	09/26/13	R/B	SW8260
1,2-Dibromoethane	ND	3.6	0.96	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichlorobenzene	ND	3.6	0.40	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichloroethane	ND	3.6	0.32	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichloropropane	ND	3.6	0.51	ug/Kg	09/26/13	R/B	SW8260
1,3-Dichlorobenzene	ND	3.6	0.53	ug/Kg	09/26/13	R/B	SW8260
1,4-Dichlorobenzene	ND	3.6	0.57	ug/Kg	09/26/13	R/B	SW8260
2-Hexanone	ND	18	1.6	ug/Kg	09/26/13	R/B	SW8260
4-Methyl-2-pentanone	ND	18	0.86	ug/Kg	09/26/13	R/B	SW8260
Acetone	ND	36	3.6	ug/Kg	09/26/13	R/B	SW8260
Benzene	ND	3.6	0.71	ug/Kg	09/26/13	R/B	SW8260
Bromochloromethane	ND	3.6	0.52	ug/Kg	09/26/13	R/B	SW8260

Project ID: 48 SEWELL ST
Client ID: FM-6

Phoenix I.D.: BF45208

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromodichloromethane	ND	3.6	0.45	ug/Kg	09/26/13	R/B	SW8260
Bromoform	ND	3.6	0.50	ug/Kg	09/26/13	R/B	SW8260
Bromomethane	ND	3.6	2.8	ug/Kg	09/26/13	R/B	SW8260
Carbon Disulfide	ND	3.6	0.58	ug/Kg	09/26/13	R/B	SW8260
Carbon tetrachloride	ND	3.6	0.42	ug/Kg	09/26/13	R/B	SW8260
Chlorobenzene	ND	3.6	0.53	ug/Kg	09/26/13	R/B	SW8260
Chloroethane	ND	3.6	0.84	ug/Kg	09/26/13	R/B	SW8260
Chloroform	ND	3.6	0.65	ug/Kg	09/26/13	R/B	SW8260
Chloromethane	ND	3.6	1.9	ug/Kg	09/26/13	R/B	SW8260
cis-1,2-Dichloroethene	ND	3.6	0.78	ug/Kg	09/26/13	R/B	SW8260
cis-1,3-Dichloropropene	ND	3.6	0.39	ug/Kg	09/26/13	R/B	SW8260
Cyclohexane	ND	3.6	3.6	ug/Kg	09/26/13	R/B	SW8260
Dibromochloromethane	ND	3.6	0.40	ug/Kg	09/26/13	R/B	SW8260
Dichlorodifluoromethane	ND	3.6	0.96	ug/Kg	09/26/13	R/B	SW8260
Ethylbenzene	ND	3.6	0.65	ug/Kg	09/26/13	R/B	SW8260
Isopropylbenzene	ND	3.6	0.69	ug/Kg	09/26/13	R/B	SW8260
m&p-Xylene	ND	3.6	1.4	ug/Kg	09/26/13	R/B	SW8260
Methyl ethyl ketone	ND	22	3.1	ug/Kg	09/26/13	R/B	SW8260
Methyl t-butyl ether (MTBE)	ND	7.2	0.99	ug/Kg	09/26/13	R/B	SW8260
Methylacetate	ND	3.6	3.6	ug/Kg	09/26/13	R/B	SW8260
Methylcyclohexane	ND	3.6	3.6	ug/Kg	09/26/13	R/B	SW8260
Methylene chloride	ND	3.6	0.59	ug/Kg	09/26/13	R/B	SW8260
o-Xylene	ND	3.6	1.4	ug/Kg	09/26/13	R/B	SW8260
Styrene	ND	3.6	1.0	ug/Kg	09/26/13	R/B	SW8260
Tetrachloroethene	ND	3.6	0.75	ug/Kg	09/26/13	R/B	SW8260
Toluene	ND	3.6	0.57	ug/Kg	09/26/13	R/B	SW8260
Total Xylenes	ND	3.6	1.4	ug/Kg	09/26/13	R/B	SW8260
trans-1,2-Dichloroethene	ND	3.6	0.72	ug/Kg	09/26/13	R/B	SW8260
trans-1,3-Dichloropropene	ND	3.6	0.73	ug/Kg	09/26/13	R/B	SW8260
Trichloroethene	ND	3.6	0.76	ug/Kg	09/26/13	R/B	SW8260
Trichlorofluoromethane	ND	3.6	0.80	ug/Kg	09/26/13	R/B	SW8260
Trichlorotrifluoroethane	ND	3.6	0.56	ug/Kg	09/26/13	R/B	SW8260
Vinyl chloride	ND	3.6	1.2	ug/Kg	09/26/13	R/B	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104			%	09/26/13	R/B	70 - 121 %
% Bromofluorobenzene	91			%	09/26/13	R/B	59 - 113 %
% Dibromofluoromethane	109			%	09/26/13	R/B	70 - 130 %
% Toluene-d8	100			%	09/26/13	R/B	84 - 138 %
Volatile Library Search Top 10	Completed				09/26/13	R/B	

Project ID: 48 SEWELL ST
Client ID: FM-6

Phoenix I.D.: BF45208

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

November 03, 2013

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 03, 2013

FOR: Attn: Mr Ken Brooks
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MG	09/24/13	8:43
Location Code:	GALLI-ENG	Received by:	SW	09/25/13	15:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF45197
Phoenix ID: BF45209

Project ID: 48 SEWELL ST
Client ID: FM-7

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34		0.34	0.20	mg/Kg	09/27/13	EK	SW6010
Aluminum	1770	*	34	2.0	mg/Kg	09/27/13	EK	SW6010
Arsenic	3.0		0.7	0.27	mg/Kg	09/27/13	EK	SW6010
Barium	67.0	*	0.7	0.14	mg/Kg	09/27/13	EK	SW6010
Beryllium	< 0.27		0.27	0.14	mg/Kg	09/27/13	EK	SW6010
Calcium	2100	N*	3.4	3.1	mg/Kg	09/27/13	EK	SW6010
Cadmium	0.37		0.34	0.14	mg/Kg	09/27/13	EK	SW6010
Cobalt	1.02		0.34	0.14	mg/Kg	09/27/13	EK	SW6010
Chromium	5.21	*	0.34	0.14	mg/Kg	09/27/13	EK	SW6010
Copper	7.35		0.34	0.27	mg/kg	09/27/13	EK	SW6010
Iron	5720	*	34	34	mg/Kg	09/27/13	EK	SW6010
Mercury	< 0.07		0.07	0.04	mg/Kg	09/26/13	RS	SW-7471
Potassium	137		7	2.7	mg/Kg	09/27/13	EK	SW6010
Magnesium	342	N	3.4	0.20	mg/Kg	09/27/13	EK	SW6010
Manganese	28.1		0.34	0.14	mg/Kg	09/27/13	EK	SW6010
Sodium	48		7	2.9	mg/Kg	09/27/13	EK	SW6010
Nickel	2.59		0.34	0.14	mg/Kg	09/27/13	EK	SW6010
Lead	132		0.7	0.20	mg/Kg	09/27/13	EK	SW6010
Antimony	< 1.7		1.7	0.61	mg/Kg	09/27/13	EK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	09/27/13	EK	SW6010
Thallium	< 1.4		1.4	1.1	mg/Kg	09/27/13	EK	SW6010
Vanadium	7.4	*	0.3	0.14	mg/Kg	09/27/13	EK	SW6010
Zinc	73.6		0.7	0.34	mg/Kg	09/27/13	EK	SW6010
Percent Solid	94				%	09/25/13	W	E160.3
Soil Extraction for SVOA	Completed					09/25/13	JJ/FV	SW3545
Mercury Digestion	Completed					09/26/13	I/I	SW7471
Total Metals Digest	Completed					09/25/13	Z/AG	SW846 - 3050

Project ID: 48 SEWELL ST
Client ID: FM-7

Phoenix I.D.: BF45209

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Semivolatiles								
1,1-Biphenyl	ND	250	110	ug/Kg	09/26/13	DD	SW 8270	
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	09/26/13	DD	SW 8270	
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	09/26/13	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	09/26/13	DD	SW 8270	
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dichlorophenol	ND	140	120	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dimethylphenol	ND	250	87	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dinitrophenol	ND	250	250	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dinitrotoluene	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
2,6-Dinitrotoluene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	09/26/13	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	09/26/13	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	09/26/13	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	09/26/13	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	09/26/13	DD	SW 8270	
2-Nitrophenol	ND	250	220	ug/Kg	09/26/13	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	09/26/13	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
3-Nitroaniline	ND	1800	770	ug/Kg	09/26/13	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	09/26/13	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	09/26/13	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	09/26/13	DD	SW 8270	
4-Chloroaniline	ND	710	160	ug/Kg	09/26/13	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	09/26/13	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	09/26/13	DD	SW 8270	
4-Nitrophenol	ND	1800	160	ug/Kg	09/26/13	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	09/26/13	DD	SW 8270	
Acenaphthylene	ND	140	99	ug/Kg	09/26/13	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	09/26/13	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	09/26/13	DD	SW 8270	
Atrazine	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	09/26/13	DD	SW 8270	
Benzaldehyde	ND	250	100	ug/Kg	09/26/13	DD	SW 8270	
Benzo(a)pyrene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	09/26/13	DD	SW 8270	
Benzo(ghi)perylene	ND	250	110	ug/Kg	09/26/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	09/26/13	DD	SW 8270	
Benzyl butyl phthalate	ND	250	91	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	140	95	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	98	ug/Kg	09/26/13	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	09/26/13	DD	SW 8270	
Caprolactam	ND	250	250	ug/Kg	09/26/13	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	09/26/13	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	09/26/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
Dibenzofuran	ND	250	100	ug/Kg	09/26/13	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	09/26/13	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dimethylphthalate	ND	250	110	ug/Kg	09/26/13	DD	SW 8270
Di-n-butylphthalate	ND	250	94	ug/Kg	09/26/13	DD	SW 8270
Di-n-octylphthalate	ND	250	91	ug/Kg	09/26/13	DD	SW 8270
Fluoranthene	ND	250	110	ug/Kg	09/26/13	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	09/26/13	DD	SW 8270
Hexachlorobenzene	ND	140	100	ug/Kg	09/26/13	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	09/26/13	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	09/26/13	DD	SW 8270
Hexachloroethane	ND	140	110	ug/Kg	09/26/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	09/26/13	DD	SW 8270
Isophorone	ND	140	99	ug/Kg	09/26/13	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	09/26/13	DD	SW 8270
Nitrobenzene	ND	140	120	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodimethylamine	ND	250	99	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	09/26/13	DD	SW 8270
Pentachlorophenol	ND	250	130	ug/Kg	09/26/13	DD	SW 8270
Phenanthrene	ND	140	100	ug/Kg	09/26/13	DD	SW 8270
Phenol	ND	250	110	ug/Kg	09/26/13	DD	SW 8270
Pyrene	ND	250	120	ug/Kg	09/26/13	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	89			%	09/26/13	DD	19 - 122 %
% 2-Fluorobiphenyl	94			%	09/26/13	DD	30 - 115 %
% 2-Fluorophenol	73			%	09/26/13	DD	25 - 121 %
% Nitrobenzene-d5	82			%	09/26/13	DD	23 - 120 %
% Phenol-d5	82			%	09/26/13	DD	24 - 113 %
% Terphenyl-d14	104			%	09/26/13	DD	18 - 137 %
SVOA Library Search Top 15	Completed				10/03/13	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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Phyllis Shiller, Laboratory Director
November 03, 2013

PHOENIX

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 03, 2013

FOR: Attn: Mr Ken Brooks
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MG	09/24/13	8:43
Location Code:	GALLI-ENG	Received by:	SW	09/25/13	15:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF45197
Phoenix ID: BF45210

Project ID: 48 SEWELL ST
Client ID: FM-7

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	94	1		%	09/26/13	SW	E160.3
1,4-dioxane							
1,4-dioxane	ND	76	76	ug/kg	09/26/13	R/B	SW8260B
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103			%	09/26/13	R/B	70 - 121 %
% Bromofluorobenzene	89			%	09/26/13	R/B	59 - 113 %
% Toluene-d8	99			%	09/26/13	R/B	84 - 138 %
Volatiles							
1,1,1-Trichloroethane	ND	3.8	0.76	ug/Kg	09/26/13	R/B	SW8260
1,1,2,2-Tetrachloroethane	ND	3.8	0.54	ug/Kg	09/26/13	R/B	SW8260
1,1,2-Trichloroethane	ND	3.8	0.37	ug/Kg	09/26/13	R/B	SW8260
1,1-Dichloroethane	ND	3.8	0.75	ug/Kg	09/26/13	R/B	SW8260
1,1-Dichloroethene	ND	3.8	0.82	ug/Kg	09/26/13	R/B	SW8260
1,2,3-Trichlorobenzene	ND	3.8	0.51	ug/Kg	09/26/13	R/B	SW8260
1,2,4-Trichlorobenzene	ND	3.8	0.45	ug/Kg	09/26/13	R/B	SW8260
1,2-Dibromo-3-chloropropane	ND	3.8	1.0	ug/Kg	09/26/13	R/B	SW8260
1,2-Dibromoethane	ND	3.8	1.0	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichlorobenzene	ND	3.8	0.42	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichloroethane	ND	3.8	0.33	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichloropropane	ND	3.8	0.54	ug/Kg	09/26/13	R/B	SW8260
1,3-Dichlorobenzene	ND	3.8	0.56	ug/Kg	09/26/13	R/B	SW8260
1,4-Dichlorobenzene	ND	3.8	0.60	ug/Kg	09/26/13	R/B	SW8260
2-Hexanone	ND	19	1.7	ug/Kg	09/26/13	R/B	SW8260
4-Methyl-2-pentanone	ND	19	0.90	ug/Kg	09/26/13	R/B	SW8260
Acetone	ND	38	3.8	ug/Kg	09/26/13	R/B	SW8260
Benzene	ND	3.8	0.75	ug/Kg	09/26/13	R/B	SW8260
Bromochloromethane	ND	3.8	0.55	ug/Kg	09/26/13	R/B	SW8260

Project ID: 48 SEWELL ST
Client ID: FM-7

Phoenix I.D.: BF45210

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromodichloromethane	ND	3.8	0.47	ug/Kg	09/26/13	R/B	SW8260
Bromoform	ND	3.8	0.53	ug/Kg	09/26/13	R/B	SW8260
Bromomethane	ND	3.8	2.9	ug/Kg	09/26/13	R/B	SW8260
Carbon Disulfide	ND	3.8	0.61	ug/Kg	09/26/13	R/B	SW8260
Carbon tetrachloride	ND	3.8	0.44	ug/Kg	09/26/13	R/B	SW8260
Chlorobenzene	ND	3.8	0.56	ug/Kg	09/26/13	R/B	SW8260
Chloroethane	ND	3.8	0.88	ug/Kg	09/26/13	R/B	SW8260
Chloroform	ND	3.8	0.69	ug/Kg	09/26/13	R/B	SW8260
Chloromethane	ND	3.8	2.0	ug/Kg	09/26/13	R/B	SW8260
cis-1,2-Dichloroethene	ND	3.8	0.82	ug/Kg	09/26/13	R/B	SW8260
cis-1,3-Dichloropropene	ND	3.8	0.41	ug/Kg	09/26/13	R/B	SW8260
Cyclohexane	ND	3.8	3.8	ug/Kg	09/26/13	R/B	SW8260
Dibromochloromethane	ND	3.8	0.42	ug/Kg	09/26/13	R/B	SW8260
Dichlorodifluoromethane	ND	3.8	1.0	ug/Kg	09/26/13	R/B	SW8260
Ethylbenzene	ND	3.8	0.69	ug/Kg	09/26/13	R/B	SW8260
Isopropylbenzene	ND	3.8	0.73	ug/Kg	09/26/13	R/B	SW8260
m&p-Xylene	ND	3.8	1.5	ug/Kg	09/26/13	R/B	SW8260
Methyl ethyl ketone	ND	23	3.3	ug/Kg	09/26/13	R/B	SW8260
Methyl t-butyl ether (MTBE)	ND	7.6	1.0	ug/Kg	09/26/13	R/B	SW8260
Methylacetate	ND	3.8	3.8	ug/Kg	09/26/13	R/B	SW8260
Methylcyclohexane	ND	3.8	3.8	ug/Kg	09/26/13	R/B	SW8260
Methylene chloride	ND	3.8	0.62	ug/Kg	09/26/13	R/B	SW8260
o-Xylene	ND	3.8	1.4	ug/Kg	09/26/13	R/B	SW8260
Styrene	ND	3.8	1.1	ug/Kg	09/26/13	R/B	SW8260
Tetrachloroethene	ND	3.8	0.79	ug/Kg	09/26/13	R/B	SW8260
Toluene	ND	3.8	0.60	ug/Kg	09/26/13	R/B	SW8260
Total Xylenes	ND	3.8	1.5	ug/Kg	09/26/13	R/B	SW8260
trans-1,2-Dichloroethene	ND	3.8	0.76	ug/Kg	09/26/13	R/B	SW8260
trans-1,3-Dichloropropene	ND	3.8	0.77	ug/Kg	09/26/13	R/B	SW8260
Trichloroethene	ND	3.8	0.80	ug/Kg	09/26/13	R/B	SW8260
Trichlorofluoromethane	ND	3.8	0.84	ug/Kg	09/26/13	R/B	SW8260
Trichlorotrifluoroethane	ND	3.8	0.59	ug/Kg	09/26/13	R/B	SW8260
Vinyl chloride	ND	3.8	1.2	ug/Kg	09/26/13	R/B	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103			%	09/26/13	R/B	70 - 121 %
% Bromofluorobenzene	89			%	09/26/13	R/B	59 - 113 %
% Dibromofluoromethane	107			%	09/26/13	R/B	70 - 130 %
% Toluene-d8	99			%	09/26/13	R/B	84 - 138 %
Volatile Library Search Top 10	Completed				09/26/13	R/B	

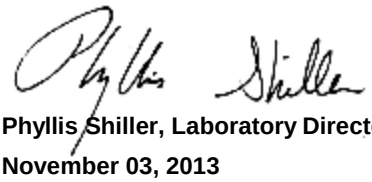
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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Phyllis Shiller, Laboratory Director

November 03, 2013

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 03, 2013

FOR: Attn: Mr Ken Brooks
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MG	09/24/13	8:25
Location Code:	GALLI-ENG	Received by:	SW	09/25/13	15:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF45197
Phoenix ID: BF45211

Project ID: 48 SEWELL ST
Client ID: FM-8

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36		0.36	0.22	mg/Kg	09/27/13	EK	SW6010
Aluminum	1030	*	36	2.2	mg/Kg	09/27/13	EK	SW6010
Arsenic	2.7		0.7	0.29	mg/Kg	09/27/13	EK	SW6010
Barium	20.9	*	0.7	0.14	mg/Kg	09/27/13	EK	SW6010
Beryllium	< 0.29		0.29	0.14	mg/Kg	09/27/13	EK	SW6010
Calcium	655	N*	3.6	3.3	mg/Kg	09/27/13	EK	SW6010
Cadmium	0.18	B	0.36	0.14	mg/Kg	09/27/13	EK	SW6010
Cobalt	0.47		0.36	0.14	mg/Kg	09/27/13	EK	SW6010
Chromium	8.65	*	0.36	0.14	mg/Kg	09/27/13	EK	SW6010
Copper	2.79		0.36	0.29	mg/kg	09/27/13	EK	SW6010
Iron	4150	*	36	36	mg/Kg	09/27/13	EK	SW6010
Mercury	< 0.06		0.06	0.04	mg/Kg	09/26/13	RS	SW-7471
Potassium	94		7	2.8	mg/Kg	09/27/13	EK	SW6010
Magnesium	198	N	3.6	0.22	mg/Kg	09/27/13	EK	SW6010
Manganese	12.9		0.36	0.14	mg/Kg	09/27/13	EK	SW6010
Sodium	7	B	7	3.1	mg/Kg	09/27/13	EK	SW6010
Nickel	2.17		0.36	0.14	mg/Kg	09/27/13	EK	SW6010
Lead	43.7		0.7	0.22	mg/Kg	09/27/13	EK	SW6010
Antimony	< 1.8		1.8	0.65	mg/Kg	09/27/13	EK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	09/27/13	EK	SW6010
Thallium	< 1.4		1.4	1.2	mg/Kg	09/27/13	EK	SW6010
Vanadium	7.2	*	0.4	0.14	mg/Kg	09/27/13	EK	SW6010
Zinc	24.6		0.7	0.36	mg/Kg	09/27/13	EK	SW6010
Percent Solid	96				%	09/25/13	W	E160.3
Soil Extraction for SVOA	Completed					09/25/13	JJ/FV	SW3545
Mercury Digestion	Completed					09/26/13	I/I	SW7471
Total Metals Digest	Completed					09/25/13	Z/AG	SW846 - 3050

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Semivolatiles								
1,1-Biphenyl	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	09/26/13	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	09/26/13	DD	SW 8270	
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dichlorophenol	ND	140	120	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dimethylphenol	ND	240	85	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dinitrophenol	ND	240	240	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dinitrotoluene	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
2,6-Dinitrotoluene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
2-Chloronaphthalene	ND	240	97	ug/Kg	09/26/13	DD	SW 8270	
2-Chlorophenol	ND	240	97	ug/Kg	09/26/13	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	09/26/13	DD	SW 8270	
2-Nitroaniline	ND	1700	350	ug/Kg	09/26/13	DD	SW 8270	
2-Nitrophenol	ND	240	220	ug/Kg	09/26/13	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	09/26/13	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
3-Nitroaniline	ND	1700	750	ug/Kg	09/26/13	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	240	240	ug/Kg	09/26/13	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
4-Chloroaniline	ND	690	160	ug/Kg	09/26/13	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
4-Nitroaniline	ND	1700	110	ug/Kg	09/26/13	DD	SW 8270	
4-Nitrophenol	ND	1700	160	ug/Kg	09/26/13	DD	SW 8270	
Acenaphthene	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
Acenaphthylene	ND	140	96	ug/Kg	09/26/13	DD	SW 8270	
Acetophenone	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Atrazine	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
Benz(a)anthracene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
Benzaldehyde	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
Benzo(a)pyrene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Benzyl butyl phthalate	ND	240	89	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	140	93	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	95	ug/Kg	09/26/13	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	99	ug/Kg	09/26/13	DD	SW 8270	
Caprolactam	ND	240	240	ug/Kg	09/26/13	DD	SW 8270	
Carbazole	ND	1700	260	ug/Kg	09/26/13	DD	SW 8270	
Chrysene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
Dibenzofuran	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dimethylphthalate	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Di-n-butylphthalate	ND	240	91	ug/Kg	09/26/13	DD	SW 8270
Di-n-octylphthalate	ND	240	89	ug/Kg	09/26/13	DD	SW 8270
Fluoranthene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Fluorene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Hexachlorobenzene	ND	140	100	ug/Kg	09/26/13	DD	SW 8270
Hexachlorobutadiene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270
Hexachlorocyclopentadiene	ND	240	100	ug/Kg	09/26/13	DD	SW 8270
Hexachloroethane	ND	140	100	ug/Kg	09/26/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Isophorone	ND	140	96	ug/Kg	09/26/13	DD	SW 8270
Naphthalene	ND	240	99	ug/Kg	09/26/13	DD	SW 8270
Nitrobenzene	ND	140	120	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodimethylamine	ND	240	97	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	09/26/13	DD	SW 8270
Pentachlorophenol	ND	240	130	ug/Kg	09/26/13	DD	SW 8270
Phenanthrene	ND	140	98	ug/Kg	09/26/13	DD	SW 8270
Phenol	ND	240	110	ug/Kg	09/26/13	DD	SW 8270
Pyrene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	82			%	09/26/13	DD	19 - 122 %
% 2-Fluorobiphenyl	88			%	09/26/13	DD	30 - 115 %
% 2-Fluorophenol	67			%	09/26/13	DD	25 - 121 %
% Nitrobenzene-d5	76			%	09/26/13	DD	23 - 120 %
% Phenol-d5	76			%	09/26/13	DD	24 - 113 %
% Terphenyl-d14	98			%	09/26/13	DD	18 - 137 %
SVOA Library Search Top 15	Completed				10/03/13	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 03, 2013

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 03, 2013

FOR: Attn: Mr Ken Brooks
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MG	09/24/13	8:25
Location Code:	GALLI-ENG	Received by:	SW	09/25/13	15:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF45197
Phoenix ID: BF45212

Project ID: 48 SEWELL ST
Client ID: FM-8

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	96	1		%	09/26/13	SW	E160.3
1,4-dioxane							
1,4-dioxane	ND	69	69	ug/kg	09/26/13	R/B	SW8260B
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104			%	09/26/13	R/B	70 - 121 %
% Bromofluorobenzene	89			%	09/26/13	R/B	59 - 113 %
% Toluene-d8	98			%	09/26/13	R/B	84 - 138 %
Volatiles							
1,1,1-Trichloroethane	ND	3.4	0.69	ug/Kg	09/26/13	R/B	SW8260
1,1,2,2-Tetrachloroethane	ND	3.4	0.49	ug/Kg	09/26/13	R/B	SW8260
1,1,2-Trichloroethane	ND	3.4	0.34	ug/Kg	09/26/13	R/B	SW8260
1,1-Dichloroethane	ND	3.4	0.68	ug/Kg	09/26/13	R/B	SW8260
1,1-Dichloroethene	ND	3.4	0.75	ug/Kg	09/26/13	R/B	SW8260
1,2,3-Trichlorobenzene	ND	3.4	0.46	ug/Kg	09/26/13	R/B	SW8260
1,2,4-Trichlorobenzene	ND	3.4	0.41	ug/Kg	09/26/13	R/B	SW8260
1,2-Dibromo-3-chloropropane	ND	3.4	0.92	ug/Kg	09/26/13	R/B	SW8260
1,2-Dibromoethane	ND	3.4	0.91	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichlorobenzene	ND	3.4	0.38	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichloroethane	ND	3.4	0.30	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichloropropane	ND	3.4	0.49	ug/Kg	09/26/13	R/B	SW8260
1,3-Dichlorobenzene	ND	3.4	0.51	ug/Kg	09/26/13	R/B	SW8260
1,4-Dichlorobenzene	ND	3.4	0.54	ug/Kg	09/26/13	R/B	SW8260
2-Hexanone	ND	17	1.5	ug/Kg	09/26/13	R/B	SW8260
4-Methyl-2-pentanone	ND	17	0.82	ug/Kg	09/26/13	R/B	SW8260
Acetone	ND	34	3.4	ug/Kg	09/26/13	R/B	SW8260
Benzene	ND	3.4	0.68	ug/Kg	09/26/13	R/B	SW8260
Bromochloromethane	ND	3.4	0.50	ug/Kg	09/26/13	R/B	SW8260

Project ID: 48 SEWELL ST
Client ID: FM-8

Phoenix I.D.: BF45212

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromodichloromethane	ND	3.4	0.43	ug/Kg	09/26/13	R/B	SW8260
Bromoform	ND	3.4	0.48	ug/Kg	09/26/13	R/B	SW8260
Bromomethane	ND	3.4	2.6	ug/Kg	09/26/13	R/B	SW8260
Carbon Disulfide	ND	3.4	0.56	ug/Kg	09/26/13	R/B	SW8260
Carbon tetrachloride	ND	3.4	0.40	ug/Kg	09/26/13	R/B	SW8260
Chlorobenzene	ND	3.4	0.51	ug/Kg	09/26/13	R/B	SW8260
Chloroethane	ND	3.4	0.80	ug/Kg	09/26/13	R/B	SW8260
Chloroform	ND	3.4	0.63	ug/Kg	09/26/13	R/B	SW8260
Chloromethane	ND	3.4	1.8	ug/Kg	09/26/13	R/B	SW8260
cis-1,2-Dichloroethene	ND	3.4	0.75	ug/Kg	09/26/13	R/B	SW8260
cis-1,3-Dichloropropene	ND	3.4	0.37	ug/Kg	09/26/13	R/B	SW8260
Cyclohexane	ND	3.4	3.4	ug/Kg	09/26/13	R/B	SW8260
Dibromochloromethane	ND	3.4	0.39	ug/Kg	09/26/13	R/B	SW8260
Dichlorodifluoromethane	ND	3.4	0.91	ug/Kg	09/26/13	R/B	SW8260
Ethylbenzene	ND	3.4	0.63	ug/Kg	09/26/13	R/B	SW8260
Isopropylbenzene	ND	3.4	0.66	ug/Kg	09/26/13	R/B	SW8260
m&p-Xylene	ND	3.4	1.4	ug/Kg	09/26/13	R/B	SW8260
Methyl ethyl ketone	ND	21	3.0	ug/Kg	09/26/13	R/B	SW8260
Methyl t-butyl ether (MTBE)	ND	6.9	0.95	ug/Kg	09/26/13	R/B	SW8260
Methylacetate	ND	3.4	3.4	ug/Kg	09/26/13	R/B	SW8260
Methylcyclohexane	ND	3.4	3.4	ug/Kg	09/26/13	R/B	SW8260
Methylene chloride	ND	3.4	0.56	ug/Kg	09/26/13	R/B	SW8260
o-Xylene	ND	3.4	1.3	ug/Kg	09/26/13	R/B	SW8260
Styrene	ND	3.4	0.99	ug/Kg	09/26/13	R/B	SW8260
Tetrachloroethene	ND	3.4	0.72	ug/Kg	09/26/13	R/B	SW8260
Toluene	ND	3.4	0.54	ug/Kg	09/26/13	R/B	SW8260
Total Xylenes	ND	3.4	1.4	ug/Kg	09/26/13	R/B	SW8260
trans-1,2-Dichloroethene	ND	3.4	0.69	ug/Kg	09/26/13	R/B	SW8260
trans-1,3-Dichloropropene	ND	3.4	0.70	ug/Kg	09/26/13	R/B	SW8260
Trichloroethene	ND	3.4	0.73	ug/Kg	09/26/13	R/B	SW8260
Trichlorofluoromethane	ND	3.4	0.76	ug/Kg	09/26/13	R/B	SW8260
Trichlorotrifluoroethane	ND	3.4	0.54	ug/Kg	09/26/13	R/B	SW8260
Vinyl chloride	ND	3.4	1.1	ug/Kg	09/26/13	R/B	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104			%	09/26/13	R/B	70 - 121 %
% Bromofluorobenzene	89			%	09/26/13	R/B	59 - 113 %
% Dibromofluoromethane	111			%	09/26/13	R/B	70 - 130 %
% Toluene-d8	98			%	09/26/13	R/B	84 - 138 %
Volatile Library Search Top 10	Completed				09/26/13	R/B	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 03, 2013

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 03, 2013

FOR: Attn: Mr Ken Brooks
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MG	09/24/13	9:47
Location Code:	GALLI-ENG	Received by:	SW	09/25/13	15:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF45197
Phoenix ID: BF45213

Project ID: 48 SEWELL ST
Client ID: FM-9

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34		0.34	0.20	mg/Kg	09/27/13	EK	SW6010
Aluminum	5940	*	34	2.0	mg/Kg	09/27/13	EK	SW6010
Arsenic	2.3		0.7	0.27	mg/Kg	09/27/13	EK	SW6010
Barium	28.5	*	0.7	0.13	mg/Kg	09/27/13	EK	SW6010
Beryllium	0.21	B	0.27	0.13	mg/Kg	09/27/13	EK	SW6010
Calcium	7150	N*	3.4	3.1	mg/Kg	09/27/13	EK	SW6010
Cadmium	0.61		0.34	0.13	mg/Kg	09/27/13	EK	SW6010
Cobalt	6.80		0.34	0.13	mg/Kg	09/27/13	EK	SW6010
Chromium	14.3	*	0.34	0.13	mg/Kg	09/27/13	EK	SW6010
Copper	25.4		0.34	0.27	mg/kg	09/27/13	EK	SW6010
Iron	13200	*	34	34	mg/Kg	09/27/13	EK	SW6010
Mercury	< 0.06		0.06	0.04	mg/Kg	09/26/13	RS	SW-7471
Potassium	749		7	2.6	mg/Kg	09/27/13	EK	SW6010
Magnesium	2520	N	3.4	0.20	mg/Kg	09/27/13	EK	SW6010
Manganese	188	*	3.4	1.3	mg/Kg	09/27/13	EK	SW6010
Sodium	239		7	2.9	mg/Kg	09/27/13	EK	SW6010
Nickel	30.2		0.34	0.13	mg/Kg	09/27/13	EK	SW6010
Lead	20.5		0.7	0.20	mg/Kg	09/27/13	EK	SW6010
Antimony	< 1.7		1.7	0.61	mg/Kg	09/27/13	EK	SW6010
Selenium	< 1.3		1.3	1.1	mg/Kg	09/27/13	EK	SW6010
Thallium	< 1.3		1.3	1.1	mg/Kg	09/27/13	EK	SW6010
Vanadium	22.5	*	0.3	0.13	mg/Kg	09/27/13	EK	SW6010
Zinc	158		6.7	3.4	mg/Kg	09/27/13	EK	SW6010
Percent Solid	94				%	09/25/13	W	E160.3
Soil Extraction for SVOA	Completed					09/25/13	JJ/FV	SW3545
Mercury Digestion	Completed					09/26/13	I/I	SW7471
Total Metals Digest	Completed					09/25/13	Z/AG	SW846 - 3050

Project ID: 48 SEWELL ST
Client ID: FM-9

Phoenix I.D.: BF45213

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Semivolatiles								
1,1-Biphenyl	ND	250	110	ug/Kg	09/26/13	DD	SW 8270	
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	09/26/13	DD	SW 8270	
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	09/26/13	DD	SW 8270	
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	09/26/13	DD	SW 8270	
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dichlorophenol	ND	140	120	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dimethylphenol	ND	250	88	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dinitrophenol	ND	250	250	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dinitrotoluene	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
2,6-Dinitrotoluene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
2-Chloronaphthalene	ND	250	100	ug/Kg	09/26/13	DD	SW 8270	
2-Chlorophenol	ND	250	100	ug/Kg	09/26/13	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	09/26/13	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	09/26/13	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	09/26/13	DD	SW 8270	
2-Nitrophenol	ND	250	220	ug/Kg	09/26/13	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	09/26/13	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
3-Nitroaniline	ND	1800	770	ug/Kg	09/26/13	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	09/26/13	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	09/26/13	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	09/26/13	DD	SW 8270	
4-Chloroaniline	ND	710	170	ug/Kg	09/26/13	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	09/26/13	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	09/26/13	DD	SW 8270	
4-Nitrophenol	ND	1800	160	ug/Kg	09/26/13	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	09/26/13	DD	SW 8270	
Acenaphthylene	ND	140	99	ug/Kg	09/26/13	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	09/26/13	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	09/26/13	DD	SW 8270	
Atrazine	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	09/26/13	DD	SW 8270	
Benzaldehyde	ND	250	100	ug/Kg	09/26/13	DD	SW 8270	
Benzo(a)pyrene	ND	140	120	ug/Kg	09/26/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	09/26/13	DD	SW 8270	
Benzo(ghi)perylene	ND	250	110	ug/Kg	09/26/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	09/26/13	DD	SW 8270	
Benzyl butyl phthalate	ND	250	91	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	140	96	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	09/26/13	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	09/26/13	DD	SW 8270	
Caprolactam	ND	250	250	ug/Kg	09/26/13	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	09/26/13	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	09/26/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
Dibenzofuran	ND	250	100	ug/Kg	09/26/13	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	09/26/13	DD	SW 8270	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dimethylphthalate	ND		250	110	ug/Kg	09/26/13	DD	SW 8270
Di-n-butylphthalate	ND		250	94	ug/Kg	09/26/13	DD	SW 8270
Di-n-octylphthalate	ND		250	91	ug/Kg	09/26/13	DD	SW 8270
Fluoranthene	120	J	250	110	ug/Kg	09/26/13	DD	SW 8270
Fluorene	ND		250	120	ug/Kg	09/26/13	DD	SW 8270
Hexachlorobenzene	ND		140	100	ug/Kg	09/26/13	DD	SW 8270
Hexachlorobutadiene	ND		250	130	ug/Kg	09/26/13	DD	SW 8270
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	09/26/13	DD	SW 8270
Hexachloroethane	ND		140	110	ug/Kg	09/26/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	09/26/13	DD	SW 8270
Isophorone	ND		140	99	ug/Kg	09/26/13	DD	SW 8270
Naphthalene	ND		250	100	ug/Kg	09/26/13	DD	SW 8270
Nitrobenzene	ND		140	120	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodimethylamine	ND		250	100	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND		140	110	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodiphenylamine	ND		140	140	ug/Kg	09/26/13	DD	SW 8270
Pentachlorophenol	ND		250	130	ug/Kg	09/26/13	DD	SW 8270
Phenanthrene	ND		140	100	ug/Kg	09/26/13	DD	SW 8270
Phenol	ND		250	110	ug/Kg	09/26/13	DD	SW 8270
Pyrene	ND		250	120	ug/Kg	09/26/13	DD	SW 8270
QA/QC Surrogates								
% 2,4,6-Tribromophenol	86				%	09/26/13	DD	19 - 122 %
% 2-Fluorobiphenyl	91				%	09/26/13	DD	30 - 115 %
% 2-Fluorophenol	72				%	09/26/13	DD	25 - 121 %
% Nitrobenzene-d5	80				%	09/26/13	DD	23 - 120 %
% Phenol-d5	80				%	09/26/13	DD	24 - 113 %
% Terphenyl-d14	96				%	09/26/13	DD	18 - 137 %
SVOA Library Search Top 15	Completed					10/03/13	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 03, 2013

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 03, 2013

FOR: Attn: Mr Ken Brooks
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MG	09/24/13	9:47
Location Code:	GALLI-ENG	Received by:	SW	09/25/13	15:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF45197
Phoenix ID: BF45214

Project ID: 48 SEWELL ST
Client ID: FM-9

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	94	1		%	09/26/13	SW	E160.3
1,4-dioxane							
1,4-dioxane	ND	72	72	ug/kg	09/26/13	R/B	SW8260B
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	09/26/13	R/B	70 - 121 %
% Bromofluorobenzene	92			%	09/26/13	R/B	59 - 113 %
% Toluene-d8	100			%	09/26/13	R/B	84 - 138 %
Volatiles							
1,1,1-Trichloroethane	ND	3.6	0.72	ug/Kg	09/26/13	R/B	SW8260
1,1,2,2-Tetrachloroethane	ND	3.6	0.51	ug/Kg	09/26/13	R/B	SW8260
1,1,2-Trichloroethane	ND	3.6	0.35	ug/Kg	09/26/13	R/B	SW8260
1,1-Dichloroethane	ND	3.6	0.72	ug/Kg	09/26/13	R/B	SW8260
1,1-Dichloroethene	ND	3.6	0.79	ug/Kg	09/26/13	R/B	SW8260
1,2,3-Trichlorobenzene	ND	3.6	0.48	ug/Kg	09/26/13	R/B	SW8260
1,2,4-Trichlorobenzene	ND	3.6	0.43	ug/Kg	09/26/13	R/B	SW8260
1,2-Dibromo-3-chloropropane	ND	3.6	0.97	ug/Kg	09/26/13	R/B	SW8260
1,2-Dibromoethane	ND	3.6	0.96	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichlorobenzene	ND	3.6	0.40	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichloroethane	ND	3.6	0.32	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichloropropane	ND	3.6	0.51	ug/Kg	09/26/13	R/B	SW8260
1,3-Dichlorobenzene	ND	3.6	0.54	ug/Kg	09/26/13	R/B	SW8260
1,4-Dichlorobenzene	ND	3.6	0.57	ug/Kg	09/26/13	R/B	SW8260
2-Hexanone	ND	18	1.6	ug/Kg	09/26/13	R/B	SW8260
4-Methyl-2-pentanone	ND	18	0.86	ug/Kg	09/26/13	R/B	SW8260
Acetone	ND	36	3.6	ug/Kg	09/26/13	R/B	SW8260
Benzene	ND	3.6	0.72	ug/Kg	09/26/13	R/B	SW8260
Bromochloromethane	ND	3.6	0.53	ug/Kg	09/26/13	R/B	SW8260

Project ID: 48 SEWELL ST
Client ID: FM-9

Phoenix I.D.: BF45214

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromodichloromethane	ND	3.6	0.45	ug/Kg	09/26/13	R/B	SW8260
Bromoform	ND	3.6	0.51	ug/Kg	09/26/13	R/B	SW8260
Bromomethane	ND	3.6	2.8	ug/Kg	09/26/13	R/B	SW8260
Carbon Disulfide	ND	3.6	0.59	ug/Kg	09/26/13	R/B	SW8260
Carbon tetrachloride	ND	3.6	0.42	ug/Kg	09/26/13	R/B	SW8260
Chlorobenzene	ND	3.6	0.54	ug/Kg	09/26/13	R/B	SW8260
Chloroethane	ND	3.6	0.85	ug/Kg	09/26/13	R/B	SW8260
Chloroform	ND	3.6	0.66	ug/Kg	09/26/13	R/B	SW8260
Chloromethane	ND	3.6	1.9	ug/Kg	09/26/13	R/B	SW8260
cis-1,2-Dichloroethene	ND	3.6	0.79	ug/Kg	09/26/13	R/B	SW8260
cis-1,3-Dichloropropene	ND	3.6	0.39	ug/Kg	09/26/13	R/B	SW8260
Cyclohexane	ND	3.6	3.6	ug/Kg	09/26/13	R/B	SW8260
Dibromochloromethane	ND	3.6	0.41	ug/Kg	09/26/13	R/B	SW8260
Dichlorodifluoromethane	ND	3.6	0.96	ug/Kg	09/26/13	R/B	SW8260
Ethylbenzene	ND	3.6	0.66	ug/Kg	09/26/13	R/B	SW8260
Isopropylbenzene	ND	3.6	0.69	ug/Kg	09/26/13	R/B	SW8260
m&p-Xylene	ND	3.6	1.4	ug/Kg	09/26/13	R/B	SW8260
Methyl ethyl ketone	ND	22	3.1	ug/Kg	09/26/13	R/B	SW8260
Methyl t-butyl ether (MTBE)	ND	7.2	1.0	ug/Kg	09/26/13	R/B	SW8260
Methylacetate	ND	3.6	3.6	ug/Kg	09/26/13	R/B	SW8260
Methylcyclohexane	ND	3.6	3.6	ug/Kg	09/26/13	R/B	SW8260
Methylene chloride	ND	3.6	0.59	ug/Kg	09/26/13	R/B	SW8260
o-Xylene	ND	3.6	1.4	ug/Kg	09/26/13	R/B	SW8260
Styrene	ND	3.6	1.0	ug/Kg	09/26/13	R/B	SW8260
Tetrachloroethene	ND	3.6	0.76	ug/Kg	09/26/13	R/B	SW8260
Toluene	ND	3.6	0.57	ug/Kg	09/26/13	R/B	SW8260
Total Xylenes	ND	3.6	1.4	ug/Kg	09/26/13	R/B	SW8260
trans-1,2-Dichloroethene	ND	3.6	0.72	ug/Kg	09/26/13	R/B	SW8260
trans-1,3-Dichloropropene	ND	3.6	0.74	ug/Kg	09/26/13	R/B	SW8260
Trichloroethene	ND	3.6	0.77	ug/Kg	09/26/13	R/B	SW8260
Trichlorofluoromethane	ND	3.6	0.80	ug/Kg	09/26/13	R/B	SW8260
Trichlorotrifluoroethane	ND	3.6	0.56	ug/Kg	09/26/13	R/B	SW8260
Vinyl chloride	ND	3.6	1.2	ug/Kg	09/26/13	R/B	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	09/26/13	R/B	70 - 121 %
% Bromofluorobenzene	92			%	09/26/13	R/B	59 - 113 %
% Dibromofluoromethane	105			%	09/26/13	R/B	70 - 130 %
% Toluene-d8	100			%	09/26/13	R/B	84 - 138 %
Volatile Library Search Top 10	Completed				09/26/13	R/B	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 03, 2013

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 03, 2013

FOR: Attn: Mr Ken Brooks
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MG	09/24/13	8:43
Location Code:	GALLI-ENG	Received by:	SW	09/25/13	15:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF45197
Phoenix ID: BF45215

Project ID: 48 SEWELL ST
Client ID: DUPLICATE

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35		0.35	0.21	mg/Kg	09/27/13	EK	SW6010
Aluminum	1690	*	35	2.1	mg/Kg	09/27/13	EK	SW6010
Arsenic	2.6		0.7	0.28	mg/Kg	09/27/13	EK	SW6010
Barium	55.9	*	0.7	0.14	mg/Kg	09/27/13	EK	SW6010
Beryllium	< 0.28		0.28	0.14	mg/Kg	09/27/13	EK	SW6010
Calcium	2140	N*	3.5	3.2	mg/Kg	09/27/13	EK	SW6010
Cadmium	0.29	B	0.35	0.14	mg/Kg	09/27/13	EK	SW6010
Cobalt	0.95		0.35	0.14	mg/Kg	09/27/13	EK	SW6010
Chromium	6.35	*	0.35	0.14	mg/Kg	09/27/13	EK	SW6010
Copper	6.79		0.35	0.28	mg/kg	09/27/13	EK	SW6010
Iron	4030	*	35	35	mg/Kg	09/27/13	EK	SW6010
Mercury	< 0.07		0.07	0.04	mg/Kg	09/26/13	RS	SW-7471
Potassium	144		7	2.7	mg/Kg	09/27/13	EK	SW6010
Magnesium	405	N	3.5	0.21	mg/Kg	09/27/13	EK	SW6010
Manganese	24.3		0.35	0.14	mg/Kg	09/27/13	EK	SW6010
Sodium	29		7	3.0	mg/Kg	09/27/13	EK	SW6010
Nickel	2.50		0.35	0.14	mg/Kg	09/27/13	EK	SW6010
Lead	126		0.7	0.21	mg/Kg	09/27/13	EK	SW6010
Antimony	< 1.7		1.7	0.62	mg/Kg	09/27/13	EK	SW6010
Selenium	< 1.4		1.4	1.2	mg/Kg	09/27/13	EK	SW6010
Thallium	< 1.4		1.4	1.1	mg/Kg	09/27/13	EK	SW6010
Vanadium	8.4	*	0.3	0.14	mg/Kg	09/27/13	EK	SW6010
Zinc	69.5		0.7	0.35	mg/Kg	09/27/13	EK	SW6010
Percent Solid	96				%	09/25/13	W	E160.3
Soil Extraction for SVOA	Completed					09/25/13	JJ/FV	SW3545
Mercury Digestion	Completed					09/26/13	I/I	SW7471
Total Metals Digest	Completed					09/25/13	Z/AG	SW846 - 3050

Project ID: 48 SEWELL ST
Client ID: DUPLICATE

Phoenix I.D.: BF45215

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Semivolatiles								
1,1-Biphenyl	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	09/26/13	DD	SW 8270	
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	09/26/13	DD	SW 8270	
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dichlorophenol	ND	140	120	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dimethylphenol	ND	240	85	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dinitrophenol	ND	240	240	ug/Kg	09/26/13	DD	SW 8270	
2,4-Dinitrotoluene	ND	140	130	ug/Kg	09/26/13	DD	SW 8270	
2,6-Dinitrotoluene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
2-Chloronaphthalene	ND	240	97	ug/Kg	09/26/13	DD	SW 8270	
2-Chlorophenol	ND	240	97	ug/Kg	09/26/13	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	09/26/13	DD	SW 8270	
2-Nitroaniline	ND	1700	350	ug/Kg	09/26/13	DD	SW 8270	
2-Nitrophenol	ND	240	220	ug/Kg	09/26/13	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	130	ug/Kg	09/26/13	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
3-Nitroaniline	ND	1700	750	ug/Kg	09/26/13	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	240	240	ug/Kg	09/26/13	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
4-Chloroaniline	ND	680	160	ug/Kg	09/26/13	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
4-Nitroaniline	ND	1700	110	ug/Kg	09/26/13	DD	SW 8270	
4-Nitrophenol	ND	1700	150	ug/Kg	09/26/13	DD	SW 8270	
Acenaphthene	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
Acenaphthylene	ND	140	96	ug/Kg	09/26/13	DD	SW 8270	
Acetophenone	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Atrazine	ND	140	140	ug/Kg	09/26/13	DD	SW 8270	
Benz(a)anthracene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
Benzaldehyde	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
Benzo(a)pyrene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	
Benzyl butyl phthalate	ND	240	88	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	140	92	ug/Kg	09/26/13	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	95	ug/Kg	09/26/13	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	99	ug/Kg	09/26/13	DD	SW 8270	
Caprolactam	ND	240	240	ug/Kg	09/26/13	DD	SW 8270	
Carbazole	ND	1700	260	ug/Kg	09/26/13	DD	SW 8270	
Chrysene	ND	240	120	ug/Kg	09/26/13	DD	SW 8270	
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	09/26/13	DD	SW 8270	
Dibenzofuran	ND	240	100	ug/Kg	09/26/13	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	09/26/13	DD	SW 8270	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dimethylphthalate	ND		240	110	ug/Kg	09/26/13	DD	SW 8270
Di-n-butylphthalate	ND		240	91	ug/Kg	09/26/13	DD	SW 8270
Di-n-octylphthalate	ND		240	88	ug/Kg	09/26/13	DD	SW 8270
Fluoranthene	130	J	240	110	ug/Kg	09/26/13	DD	SW 8270
Fluorene	ND		240	110	ug/Kg	09/26/13	DD	SW 8270
Hexachlorobenzene	ND		140	100	ug/Kg	09/26/13	DD	SW 8270
Hexachlorobutadiene	ND		240	120	ug/Kg	09/26/13	DD	SW 8270
Hexachlorocyclopentadiene	ND		240	100	ug/Kg	09/26/13	DD	SW 8270
Hexachloroethane	ND		140	100	ug/Kg	09/26/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND		240	110	ug/Kg	09/26/13	DD	SW 8270
Isophorone	ND		140	96	ug/Kg	09/26/13	DD	SW 8270
Naphthalene	ND		240	99	ug/Kg	09/26/13	DD	SW 8270
Nitrobenzene	ND		140	120	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodimethylamine	ND		240	97	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND		140	110	ug/Kg	09/26/13	DD	SW 8270
N-Nitrosodiphenylamine	ND		140	130	ug/Kg	09/26/13	DD	SW 8270
Pentachlorophenol	ND		240	130	ug/Kg	09/26/13	DD	SW 8270
Phenanthrene	ND		140	98	ug/Kg	09/26/13	DD	SW 8270
Phenol	ND		240	110	ug/Kg	09/26/13	DD	SW 8270
Pyrene	ND		240	120	ug/Kg	09/26/13	DD	SW 8270
QA/QC Surrogates								
% 2,4,6-Tribromophenol	86				%	09/26/13	DD	19 - 122 %
% 2-Fluorobiphenyl	92				%	09/26/13	DD	30 - 115 %
% 2-Fluorophenol	67				%	09/26/13	DD	25 - 121 %
% Nitrobenzene-d5	76				%	09/26/13	DD	23 - 120 %
% Phenol-d5	77				%	09/26/13	DD	24 - 113 %
% Terphenyl-d14	94				%	09/26/13	DD	18 - 137 %
SVOA Library Search Top 15	Completed					10/03/13	DD	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 03, 2013

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 03, 2013

FOR: Attn: Mr Ken Brooks
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MG	09/24/13	8:43
Location Code:	GALLI-ENG	Received by:	SW	09/25/13	15:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF45197
Phoenix ID: BF45216

Project ID: 48 SEWELL ST
Client ID: DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	96	1		%	09/26/13	SW	E160.3
1,4-dioxane							
1,4-dioxane	ND	100	100	ug/kg	09/26/13	R/B	SW8260B
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103			%	09/26/13	R/B	70 - 121 %
% Bromofluorobenzene	86			%	09/26/13	R/B	59 - 113 %
% Toluene-d8	98			%	09/26/13	R/B	84 - 138 %
Volatiles							
1,1,1-Trichloroethane	ND	5.0	1.0	ug/Kg	09/26/13	R/B	SW8260
1,1,2,2-Tetrachloroethane	ND	5.0	0.71	ug/Kg	09/26/13	R/B	SW8260
1,1,2-Trichloroethane	ND	5.0	0.49	ug/Kg	09/26/13	R/B	SW8260
1,1-Dichloroethane	ND	5.0	0.99	ug/Kg	09/26/13	R/B	SW8260
1,1-Dichloroethene	ND	5.0	1.1	ug/Kg	09/26/13	R/B	SW8260
1,2,3-Trichlorobenzene	ND	5.0	0.67	ug/Kg	09/26/13	R/B	SW8260
1,2,4-Trichlorobenzene	ND	5.0	0.59	ug/Kg	09/26/13	R/B	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	1.3	ug/Kg	09/26/13	R/B	SW8260
1,2-Dibromoethane	ND	5.0	1.3	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichlorobenzene	ND	5.0	0.55	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichloroethane	ND	5.0	0.44	ug/Kg	09/26/13	R/B	SW8260
1,2-Dichloropropane	ND	5.0	0.71	ug/Kg	09/26/13	R/B	SW8260
1,3-Dichlorobenzene	ND	5.0	0.74	ug/Kg	09/26/13	R/B	SW8260
1,4-Dichlorobenzene	ND	5.0	0.79	ug/Kg	09/26/13	R/B	SW8260
2-Hexanone	ND	25	2.3	ug/Kg	09/26/13	R/B	SW8260
4-Methyl-2-pentanone	ND	25	1.2	ug/Kg	09/26/13	R/B	SW8260
Acetone	ND	50	5.0	ug/Kg	09/26/13	R/B	SW8260
Benzene	ND	5.0	0.99	ug/Kg	09/26/13	R/B	SW8260
Bromochloromethane	ND	5.0	0.73	ug/Kg	09/26/13	R/B	SW8260

Project ID: 48 SEWELL ST
Client ID: DUPLICATE

Phoenix I.D.: BF45216

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromodichloromethane	ND	5.0	0.62	ug/Kg	09/26/13	R/B	SW8260
Bromoform	ND	5.0	0.70	ug/Kg	09/26/13	R/B	SW8260
Bromomethane	ND	5.0	3.9	ug/Kg	09/26/13	R/B	SW8260
Carbon Disulfide	ND	5.0	0.81	ug/Kg	09/26/13	R/B	SW8260
Carbon tetrachloride	ND	5.0	0.58	ug/Kg	09/26/13	R/B	SW8260
Chlorobenzene	ND	5.0	0.74	ug/Kg	09/26/13	R/B	SW8260
Chloroethane	ND	5.0	1.2	ug/Kg	09/26/13	R/B	SW8260
Chloroform	ND	5.0	0.91	ug/Kg	09/26/13	R/B	SW8260
Chloromethane	ND	5.0	2.6	ug/Kg	09/26/13	R/B	SW8260
cis-1,2-Dichloroethene	ND	5.0	1.1	ug/Kg	09/26/13	R/B	SW8260
cis-1,3-Dichloropropene	ND	5.0	0.54	ug/Kg	09/26/13	R/B	SW8260
Cyclohexane	ND	5.0	5.0	ug/Kg	09/26/13	R/B	SW8260
Dibromochloromethane	ND	5.0	0.56	ug/Kg	09/26/13	R/B	SW8260
Dichlorodifluoromethane	ND	5.0	1.3	ug/Kg	09/26/13	R/B	SW8260
Ethylbenzene	ND	5.0	0.91	ug/Kg	09/26/13	R/B	SW8260
Isopropylbenzene	ND	5.0	0.96	ug/Kg	09/26/13	R/B	SW8260
m&p-Xylene	ND	5.0	2.0	ug/Kg	09/26/13	R/B	SW8260
Methyl ethyl ketone	ND	30	4.3	ug/Kg	09/26/13	R/B	SW8260
Methyl t-butyl ether (MTBE)	ND	10	1.4	ug/Kg	09/26/13	R/B	SW8260
Methylacetate	ND	5.0	5.0	ug/Kg	09/26/13	R/B	SW8260
Methylcyclohexane	ND	5.0	5.0	ug/Kg	09/26/13	R/B	SW8260
Methylene chloride	ND	5.0	0.82	ug/Kg	09/26/13	R/B	SW8260
o-Xylene	ND	5.0	1.9	ug/Kg	09/26/13	R/B	SW8260
Styrene	ND	5.0	1.4	ug/Kg	09/26/13	R/B	SW8260
Tetrachloroethene	ND	5.0	1.1	ug/Kg	09/26/13	R/B	SW8260
Toluene	ND	5.0	0.79	ug/Kg	09/26/13	R/B	SW8260
Total Xylenes	ND	5.0	2.0	ug/Kg	09/26/13	R/B	SW8260
trans-1,2-Dichloroethene	ND	5.0	1.0	ug/Kg	09/26/13	R/B	SW8260
trans-1,3-Dichloropropene	ND	5.0	1.0	ug/Kg	09/26/13	R/B	SW8260
Trichloroethene	ND	5.0	1.1	ug/Kg	09/26/13	R/B	SW8260
Trichlorofluoromethane	ND	5.0	1.1	ug/Kg	09/26/13	R/B	SW8260
Trichlorotrifluoroethane	ND	5.0	0.78	ug/Kg	09/26/13	R/B	SW8260
Vinyl chloride	ND	5.0	1.6	ug/Kg	09/26/13	R/B	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103			%	09/26/13	R/B	70 - 121 %
% Bromofluorobenzene	86			%	09/26/13	R/B	59 - 113 %
% Dibromofluoromethane	111			%	09/26/13	R/B	70 - 130 %
% Toluene-d8	98			%	09/26/13	R/B	84 - 138 %
Volatile Library Search Top 10	Completed				09/26/13	R/B	

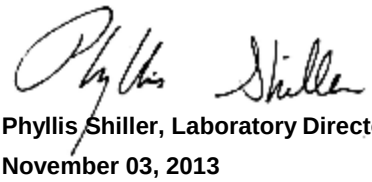
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

November 03, 2013

PHOENIX

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 03, 2013

FOR: Attn: Mr Ken Brooks
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MG	09/24/13	0:00
Location Code:	GALLI-ENG	Received by:	SW	09/25/13	15:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF45197
Phoenix ID: BF45217

Project ID: 48 SEWELL ST
Client ID: TRIP BLANK HL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100	1		%	09/24/13		E160.3
1,4-dioxane							
1,4-dioxane	ND	5000	5000	ug/kg	09/25/13	R/B	SW8260B
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	09/25/13	R/B	70 - 121 %
% Bromofluorobenzene	94			%	09/25/13	R/B	59 - 113 %
% Toluene-d8	100			%	09/25/13	R/B	84 - 138 %
Volatiles							
1,1,1-Trichloroethane	ND	250	50	ug/Kg	09/25/13	R/B	SW8260
1,1,2,2-Tetrachloroethane	ND	250	36	ug/Kg	09/25/13	R/B	SW8260
1,1,2-Trichloroethane	ND	250	25	ug/Kg	09/25/13	R/B	SW8260
1,1-Dichloroethane	ND	250	50	ug/Kg	09/25/13	R/B	SW8260
1,1-Dichloroethene	ND	250	55	ug/Kg	09/25/13	R/B	SW8260
1,2,3-Trichlorobenzene	ND	250	34	ug/Kg	09/25/13	R/B	SW8260
1,2,4-Trichlorobenzene	ND	250	30	ug/Kg	09/25/13	R/B	SW8260
1,2-Dibromo-3-chloropropane	ND	250	67	ug/Kg	09/25/13	R/B	SW8260
1,2-Dibromoethane	ND	250	67	ug/Kg	09/25/13	R/B	SW8260
1,2-Dichlorobenzene	ND	250	28	ug/Kg	09/25/13	R/B	SW8260
1,2-Dichloroethane	ND	250	22	ug/Kg	09/25/13	R/B	SW8260
1,2-Dichloropropane	ND	250	36	ug/Kg	09/25/13	R/B	SW8260
1,3-Dichlorobenzene	ND	250	37	ug/Kg	09/25/13	R/B	SW8260
1,4-Dichlorobenzene	ND	250	40	ug/Kg	09/25/13	R/B	SW8260
2-Hexanone	ND	1300	110	ug/Kg	09/25/13	R/B	SW8260
4-Methyl-2-pentanone	ND	1300	60	ug/Kg	09/25/13	R/B	SW8260
Acetone	ND	2500	250	ug/Kg	09/25/13	R/B	SW8260
Benzene	ND	250	50	ug/Kg	09/25/13	R/B	SW8260
Bromochloromethane	ND	250	37	ug/Kg	09/25/13	R/B	SW8260

Project ID: 48 SEWELL ST
Client ID: TRIP BLANK HL

Phoenix I.D.: BF45217

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromodichloromethane	ND		250	31	ug/Kg	09/25/13	R/B	SW8260
Bromoform	ND		250	35	ug/Kg	09/25/13	R/B	SW8260
Bromomethane	ND		250	190	ug/Kg	09/25/13	R/B	SW8260
Carbon Disulfide	ND		250	41	ug/Kg	09/25/13	R/B	SW8260
Carbon tetrachloride	ND		250	29	ug/Kg	09/25/13	R/B	SW8260
Chlorobenzene	ND		250	37	ug/Kg	09/25/13	R/B	SW8260
Chloroethane	ND		250	59	ug/Kg	09/25/13	R/B	SW8260
Chloroform	ND		250	46	ug/Kg	09/25/13	R/B	SW8260
Chloromethane	ND		250	130	ug/Kg	09/25/13	R/B	SW8260
cis-1,2-Dichloroethene	ND		250	55	ug/Kg	09/25/13	R/B	SW8260
cis-1,3-Dichloropropene	ND		250	27	ug/Kg	09/25/13	R/B	SW8260
Cyclohexane	ND		250	250	ug/Kg	09/25/13	R/B	SW8260
Dibromochloromethane	ND		250	28	ug/Kg	09/25/13	R/B	SW8260
Dichlorodifluoromethane	ND		250	67	ug/Kg	09/25/13	R/B	SW8260
Ethylbenzene	ND		250	46	ug/Kg	09/25/13	R/B	SW8260
Isopropylbenzene	ND		250	48	ug/Kg	09/25/13	R/B	SW8260
m&p-Xylene	ND		250	99	ug/Kg	09/25/13	R/B	SW8260
Methyl ethyl ketone	ND		1500	220	ug/Kg	09/25/13	R/B	SW8260
Methyl t-butyl ether (MTBE)	ND		500	69	ug/Kg	09/25/13	R/B	SW8260
Methylacetate	ND		250	250	ug/Kg	09/25/13	R/B	SW8260
Methylcyclohexane	ND		250	250	ug/Kg	09/25/13	R/B	SW8260
Methylene chloride	63	JS	250	41	ug/Kg	09/25/13	R/B	SW8260
o-Xylene	ND		250	96	ug/Kg	09/25/13	R/B	SW8260
Styrene	ND		250	72	ug/Kg	09/25/13	R/B	SW8260
Tetrachloroethene	ND		250	53	ug/Kg	09/25/13	R/B	SW8260
Toluene	ND		250	40	ug/Kg	09/25/13	R/B	SW8260
Total Xylenes	ND		250	99	ug/Kg	09/25/13	R/B	SW8260
trans-1,2-Dichloroethene	ND		250	50	ug/Kg	09/25/13	R/B	SW8260
trans-1,3-Dichloropropene	ND		250	51	ug/Kg	09/25/13	R/B	SW8260
Trichloroethene	ND		250	53	ug/Kg	09/25/13	R/B	SW8260
Trichlorofluoromethane	ND		250	56	ug/Kg	09/25/13	R/B	SW8260
Trichlorotrifluoroethane	ND		250	39	ug/Kg	09/25/13	R/B	SW8260
Vinyl chloride	ND		250	81	ug/Kg	09/25/13	R/B	SW8260
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101				%	09/25/13	R/B	70 - 121 %
% Bromofluorobenzene	94				%	09/25/13	R/B	59 - 113 %
% Dibromofluoromethane	98				%	09/25/13	R/B	70 - 130 %
% Toluene-d8	100				%	09/25/13	R/B	84 - 138 %
Volatile Library Search Top 10	Completed					09/26/13	R/B	

Project ID: 48 SEWELL ST
Client ID: TRIP BLANK HL

Phoenix I.D.: BF45217

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

TRIP BLANK INCLUDED. %SOLIDS ASSUMED 100%

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 03, 2013

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 03, 2013

FOR: Attn: Mr Ken Brooks
Galli Engineering, P.C.
734 Walt Whitman Rd
Suite 402A
Melville, NY 11747

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	MG	09/24/13	0:00
Location Code:	GALLI-ENG	Received by:	SW	09/25/13	15:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBF45197
Phoenix ID: BF45218

Project ID: 48 SEWELL ST
Client ID: TRIP BLANK LL

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100		1		%	09/24/13		E160.3
1,4-dioxane								
1,4-dioxane	ND		100	100	ug/kg	09/25/13	R/B	SW8260B
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100				%	09/25/13	R/B	70 - 121 %
% Bromofluorobenzene	93				%	09/25/13	R/B	59 - 113 %
% Toluene-d8	100				%	09/25/13	R/B	84 - 138 %
Volatiles								
1,1,1-Trichloroethane	ND		5.0	1.0	ug/Kg	09/25/13	R/B	SW8260
1,1,2,2-Tetrachloroethane	ND		5.0	0.71	ug/Kg	09/25/13	R/B	SW8260
1,1,2-Trichloroethane	ND		5.0	0.49	ug/Kg	09/25/13	R/B	SW8260
1,1-Dichloroethane	ND		5.0	0.99	ug/Kg	09/25/13	R/B	SW8260
1,1-Dichloroethene	ND		5.0	1.1	ug/Kg	09/25/13	R/B	SW8260
1,2,3-Trichlorobenzene	ND		5.0	0.67	ug/Kg	09/25/13	R/B	SW8260
1,2,4-Trichlorobenzene	ND		5.0	0.59	ug/Kg	09/25/13	R/B	SW8260
1,2-Dibromo-3-chloropropane	ND		5.0	1.3	ug/Kg	09/25/13	R/B	SW8260
1,2-Dibromoethane	ND		5.0	1.3	ug/Kg	09/25/13	R/B	SW8260
1,2-Dichlorobenzene	ND		5.0	0.55	ug/Kg	09/25/13	R/B	SW8260
1,2-Dichloroethane	ND		5.0	0.44	ug/Kg	09/25/13	R/B	SW8260
1,2-Dichloropropane	ND		5.0	0.71	ug/Kg	09/25/13	R/B	SW8260
1,3-Dichlorobenzene	ND		5.0	0.74	ug/Kg	09/25/13	R/B	SW8260
1,4-Dichlorobenzene	ND		5.0	0.79	ug/Kg	09/25/13	R/B	SW8260
2-Hexanone	ND		25	2.3	ug/Kg	09/25/13	R/B	SW8260
4-Methyl-2-pentanone	ND		25	1.2	ug/Kg	09/25/13	R/B	SW8260
Acetone	11	JS	50	5.0	ug/Kg	09/25/13	R/B	SW8260
Benzene	ND		5.0	0.99	ug/Kg	09/25/13	R/B	SW8260
Bromochloromethane	ND		5.0	0.73	ug/Kg	09/25/13	R/B	SW8260

Project ID: 48 SEWELL ST
Client ID: TRIP BLANK LL

Phoenix I.D.: BF45218

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromodichloromethane	ND	5.0	0.62	ug/Kg	09/25/13	R/B	SW8260
Bromoform	ND	5.0	0.70	ug/Kg	09/25/13	R/B	SW8260
Bromomethane	ND	5.0	3.9	ug/Kg	09/25/13	R/B	SW8260
Carbon Disulfide	ND	5.0	0.81	ug/Kg	09/25/13	R/B	SW8260
Carbon tetrachloride	ND	5.0	0.58	ug/Kg	09/25/13	R/B	SW8260
Chlorobenzene	ND	5.0	0.74	ug/Kg	09/25/13	R/B	SW8260
Chloroethane	ND	5.0	1.2	ug/Kg	09/25/13	R/B	SW8260
Chloroform	ND	5.0	0.91	ug/Kg	09/25/13	R/B	SW8260
Chloromethane	ND	5.0	2.6	ug/Kg	09/25/13	R/B	SW8260
cis-1,2-Dichloroethene	ND	5.0	1.1	ug/Kg	09/25/13	R/B	SW8260
cis-1,3-Dichloropropene	ND	5.0	0.54	ug/Kg	09/25/13	R/B	SW8260
Cyclohexane	ND	5.0	5.0	ug/Kg	09/25/13	R/B	SW8260
Dibromochloromethane	ND	5.0	0.56	ug/Kg	09/25/13	R/B	SW8260
Dichlorodifluoromethane	ND	5.0	1.3	ug/Kg	09/25/13	R/B	SW8260
Ethylbenzene	ND	5.0	0.91	ug/Kg	09/25/13	R/B	SW8260
Isopropylbenzene	ND	5.0	0.96	ug/Kg	09/25/13	R/B	SW8260
m&p-Xylene	ND	5.0	2.0	ug/Kg	09/25/13	R/B	SW8260
Methyl ethyl ketone	ND	30	4.3	ug/Kg	09/25/13	R/B	SW8260
Methyl t-butyl ether (MTBE)	ND	10	1.4	ug/Kg	09/25/13	R/B	SW8260
Methylacetate	ND	5.0	5.0	ug/Kg	09/25/13	R/B	SW8260
Methylcyclohexane	ND	5.0	5.0	ug/Kg	09/25/13	R/B	SW8260
Methylene chloride	ND	5.0	0.82	ug/Kg	09/25/13	R/B	SW8260
o-Xylene	ND	5.0	1.9	ug/Kg	09/25/13	R/B	SW8260
Styrene	ND	5.0	1.4	ug/Kg	09/25/13	R/B	SW8260
Tetrachloroethene	ND	5.0	1.1	ug/Kg	09/25/13	R/B	SW8260
Toluene	ND	5.0	0.79	ug/Kg	09/25/13	R/B	SW8260
Total Xylenes	ND	5.0	2.0	ug/Kg	09/25/13	R/B	SW8260
trans-1,2-Dichloroethene	ND	5.0	1.0	ug/Kg	09/25/13	R/B	SW8260
trans-1,3-Dichloropropene	ND	5.0	1.0	ug/Kg	09/25/13	R/B	SW8260
Trichloroethene	ND	5.0	1.1	ug/Kg	09/25/13	R/B	SW8260
Trichlorofluoromethane	ND	5.0	1.1	ug/Kg	09/25/13	R/B	SW8260
Trichlorotrifluoroethane	ND	5.0	0.78	ug/Kg	09/25/13	R/B	SW8260
Vinyl chloride	ND	5.0	1.6	ug/Kg	09/25/13	R/B	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	09/25/13	R/B	70 - 121 %
% Bromofluorobenzene	93			%	09/25/13	R/B	59 - 113 %
% Dibromofluoromethane	104			%	09/25/13	R/B	70 - 130 %
% Toluene-d8	100			%	09/25/13	R/B	84 - 138 %
Volatile Library Search Top 10	Completed				09/26/13	R/B	

Project ID: 48 SEWELL ST
Client ID: TRIP BLANK LL

Phoenix I.D.: BF45218

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

TRIP BLANK INCLUDED. %SOLIDS ASSUMED 100%

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
November 03, 2013

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-1

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45198

Sample wt/vol: 14.7 (g/mL) g Lab File ID: 0926L11.D

Level: (low/med) Meth Date Received: 09/25/13

% Moisture: not dec. 5 Date Analyzed: 09/26/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 50

Soil Extract Volume: 10000 (uL) Soil Aliquot Vol (uL): 70.4

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-2

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45200

Sample wt/vol: 5.51 (g/mL) g Lab File ID: 0926L13.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 6 Date Analyzed: 09/26/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-3

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water): SOIL Lab Sample ID: BF45202

Sample wt/vol: 4.94 (g/mL) g Lab File ID: 0926L15.D

Level: (low/med): Low Date Received: 09/25/13

% Moisture: not dec. 5 Date Analyzed: 09/26/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-4

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water): SOIL Lab Sample ID: BF45204

Sample wt/vol: 7.07 (g/mL) g Lab File ID: 0926L17.D

Level: (low/med): Low Date Received: 09/25/13

% Moisture: not dec. 2 Date Analyzed: 09/26/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-5

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45206

Sample wt/vol: 5.32 (g/mL) g Lab File ID: 0925L19.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 5 Date Analyzed: 09/26/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-6

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water): SOIL Lab Sample ID: BF45208

Sample wt/vol: 7.25 (g/mL) g Lab File ID: 0925L20.D

Level: (low/med): Low Date Received: 09/25/13

% Moisture: not dec. 4 Date Analyzed: 09/26/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-7

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water): SOIL Lab Sample ID: BF45210

Sample wt/vol: 7.08 (g/mL) g Lab File ID: 0925L21.D

Level: (low/med): Low Date Received: 09/25/13

% Moisture: not dec. 6 Date Analyzed: 09/26/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-8

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water): SOIL Lab Sample ID: BF45212

Sample wt/vol: 7.55 (g/mL) g Lab File ID: 0925L22.D

Level: (low/med): Low Date Received: 09/25/13

% Moisture: not dec. 4 Date Analyzed: 09/26/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-9

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45214

Sample wt/vol: 7.3 (g/mL) g Lab File ID: 0925L23.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 6 Date Analyzed: 09/26/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DUPLICATE

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water): SOIL Lab Sample ID: BF45216

Sample wt/vol: 5.23 (g/mL) g Lab File ID: 0925L24.D

Level: (low/med): Low Date Received: 09/25/13

% Moisture: not dec. 4 Date Analyzed: 09/26/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TRIP BLANK HL

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water): SOIL Lab Sample ID: BF45217

Sample wt/vol: 10 (g/mL) g Lab File ID: 0925L09.D

Level: (low/med): Meth Date Received: 09/25/13

% Moisture: not dec. 0 Date Analyzed: 09/25/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 50

Soil Extract Volume: 10000 (uL) Soil Aliquot Vol (uL): 100

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

TRIP BLANK LL

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45218

Sample wt/vol: 5 (g/mL) g Lab File ID: 0925L10.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 0 Date Analyzed: 09/25/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-1

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45197

Sample wt/vol: 15.1 (g/mL) g Lab File ID: 0926_08.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 5 decanted:(Y/N) NA Date Extracted: 09/26/13

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 9/26/2013

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.000	2200	JNA
000309-00-2	Aldrin-R	16.300	1400	JN
000060-57-1	Dieldrin	17.670	800	JN

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

FM-2

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45199

Sample wt/vol: 15.36 (g/mL) g Lab File ID: 0926_09.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 6 decanted:(Y/N) NA Date Extracted: 09/26/13

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 9/26/2013

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.000	2400	JNA

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-3

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45201

Sample wt/vol: 15.23 (g/mL) g Lab File ID: 0926_10.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 5 decanted:(Y/N) NA Date Extracted: 09/26/13

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 9/26/2013

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
003142-66-3	3-Hydroxy-2-pentanone	5.000	2000	JN

FORM I SEMIVOA-TIC

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-4

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45203

Sample wt/vol: 15.3 (g/mL) g Lab File ID: 0926_11.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 2 decanted:(Y/N) NA Date Extracted: 09/26/13

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 9/26/2013

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.000	1200	JNA
	unknown	14.760	400	JN

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-5

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45205

Sample wt/vol: 15.28 (g/mL) g Lab File ID: 0926_12.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 5 decanted:(Y/N) NA Date Extracted: 09/26/13

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 9/26/2013

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.010	2400	JNA

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

FM-6

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45207

Sample wt/vol: 15.1 (g/mL) g Lab File ID: 0926_13.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 4 decanted:(Y/N) NA Date Extracted: 09/26/13

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 9/26/2013

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.000	2000	JNA

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-7

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45209

Sample wt/vol: 15.08 (g/mL) g Lab File ID: 0926_14.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 6 decanted:(Y/N) NA Date Extracted: 09/26/13

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 9/26/2013

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.000	1800	JNA

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-8

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45211

Sample wt/vol: 15.18 (g/mL) g Lab File ID: 0926_15.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 4 decanted:(Y/N) NA Date Extracted: 09/26/13

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 9/26/2013

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.000	1500	JNA

FORM I SEMIVOA-TIC

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-9

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45213

Sample wt/vol: 15 (g/mL) g Lab File ID: 0926_16.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 6 decanted:(Y/N) NA Date Extracted: 09/26/13

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 9/26/2013

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.000	2000	JNA

FORM I SEMIVOA-TIC

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

DUPLICATE

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45215

Sample wt/vol: 15.21 (g/mL) g Lab File ID: 0926_17.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 4 decanted:(Y/N) NA Date Extracted: 09/26/13

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 9/26/2013

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.010	1300	JNA

FORM I SEMIVOA-TIC

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

QA/QC Report

November 03, 2013

QA/QC Data

SDG I.D.: GBF45197

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 254714, QC Sample No: BF45197 (BF45197, BF45199, BF45201, BF45203, BF45205, BF45207, BF45209, BF45211, BF45213, BF45215)													
ICP Metals - Soil													
Aluminum	BRL	1780	2460 *	32.1	88.3	94.7	7.0	NC	NC	NC	80 - 120	30	r
Antimony	BRL	<1.8	<3.7	NC	101	113	11.2	95.3	95.4	0.1	80 - 120	30	
Arsenic	BRL	1.5	3.58	NC	95.8	108	12.0	96.3	95.4	0.9	80 - 120	30	
Barium	BRL	7.7	11.9 *	42.9	98.3	112	13.0	105	103	1.9	80 - 120	30	r
Beryllium	BRL	<0.29	<0.30	NC	98.2	105	6.7	92.8	91.7	1.2	80 - 120	30	
Cadmium	BRL	<0.36	0.34 B	NC	92.7	101	8.6	91.0	90.7	0.3	80 - 120	30	
Calcium	BRL	164	343 *	70.6	91.3	104	13.0	105	63.4	49.4	80 - 120	30	m,r
Chromium	BRL	3.69	6.64 *	57.1	96.4	104	7.6	99.5	92.6	7.2	80 - 120	30	r
Cobalt	BRL	0.95	1.19	NC	98.7	108	9.0	93.9	92.9	1.1	80 - 120	30	
Copper	BRL	4.20	5.12	19.7	99.7	109	8.9	95.7	94.2	1.6	80 - 120	30	
Iron	BRL	3330	7700 *	79.2	99.1	117	16.6	NC	NC	NC	80 - 120	30	r
Lead	BRL	12.6	13.4	6.20	93.2	104	11.0	96.2	94.9	1.4	80 - 120	30	
Magnesium	BRL	197	229	15.0	93.8	106	12.2	108	70.6	41.9	80 - 120	30	m,r
Manganese	BRL	24.1	30.6	23.8	95.5	111	15.0	95.0	91.1	4.2	80 - 120	30	
Nickel	BRL	2.46	3.02	20.4	95.4	103	7.7	93.7	92.1	1.7	80 - 120	30	
Potassium	BRL	178	227	24.2	107	117	8.9	112	103	8.4	80 - 120	30	
Selenium	BRL	<1.4	<1.5	NC	89.6	102	12.9	86.8	85.9	1.0	80 - 120	30	
Silver	BRL	<0.36	<0.37	NC	87.4	99.1	12.5	89.6	87.2	2.7	80 - 120	30	
Sodium	BRL	<7	4.4 B	NC	114	124	8.4	119	120	0.8	80 - 120	30	l
Thallium	BRL	<1.4	<3.3	NC	92.7	104	11.5	97.6	97.8	0.2	80 - 120	30	
Vanadium	BRL	4.5	8.81 *	64.8	95.7	108	12.1	94.3	89.1	5.7	80 - 120	30	r
Zinc	BRL	14.9	18.9	23.7	91.6	102	10.7	95.2	92.3	3.1	80 - 120	30	
QA/QC Batch 254770, QC Sample No: BF45205 (BF45197, BF45199, BF45201, BF45203, BF45205, BF45207, BF45209, BF45211, BF45213, BF45215)													
Mercury - Soil	BRL	<0.08	0.04 B	NC	84.8	85.3	0.6	115	109	5.4	75 - 125	30	

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

November 03, 2013

QA/QC Data

SDG I.D.: GBF45197

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 254941, QC Sample No: BF43374 (BF45206, BF45208, BF45210, BF45212, BF45214, BF45216, BF45217 (50X) , BF45218)										
Volatiles - Soil										
1,1,1-Trichloroethane	ND	111	94	16.6	105	100	4.9	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	112	100	11.3	96	95	1.0	70 - 130	30	
1,1,2-Trichloroethane	ND	117	101	14.7	108	105	2.8	70 - 130	30	
1,1-Dichloroethane	ND	109	92	16.9	101	99	2.0	70 - 130	30	
1,1-Dichloroethene	ND	89	80	10.7	115	>150	NC	70 - 130	30	m
1,2,3-Trichlorobenzene	ND	115	100	14.0	79	90	13.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	118	101	15.5	81	95	15.9	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	115	103	11.0	99	98	1.0	70 - 130	30	
1,2-Dibromoethane	ND	117	102	13.7	82	78	5.0	70 - 130	30	
1,2-Dichlorobenzene	ND	114	96	17.1	97	97	0.0	70 - 130	30	
1,2-Dichloroethane	ND	110	94	15.7	99	95	4.1	70 - 130	30	
1,2-Dichloropropane	ND	115	96	18.0	127	126	0.8	70 - 130	30	
1,3-Dichlorobenzene	ND	118	98	18.5	103	100	3.0	70 - 130	30	
1,4-Dichlorobenzene	ND	114	95	18.2	100	98	2.0	70 - 130	30	
1,4-dioxane	ND	131	110	17.4	113	113	0.0	70 - 130	30	I
2-Hexanone	ND	78	68	13.7	129	115	11.5	70 - 130	30	I
4-Methyl-2-pentanone	ND	76	71	6.8	99	91	8.4	70 - 130	30	
Acetone	ND	88	75	16.0	135	116	15.1	70 - 130	30	m
Benzene	ND	107	89	18.4	103	130	23.2	70 - 130	30	
Bromochloromethane	ND	114	98	15.1	121	96	23.0	70 - 130	30	
Bromodichloromethane	ND	113	97	15.2	99	94	5.2	70 - 130	30	
Bromoform	ND	120	104	14.3	86	72	17.7	70 - 130	30	
Bromomethane	ND	98	83	16.6	98	91	7.4	70 - 130	30	
Carbon Disulfide	ND	82	75	8.9	78	84	7.4	70 - 130	30	
Carbon tetrachloride	ND	111	92	18.7	89	88	1.1	70 - 130	30	
Chlorobenzene	ND	116	96	18.9	101	98	3.0	70 - 130	30	
Chloroethane	ND	107	89	18.4	>150	>150	NC	70 - 130	30	m
Chloroform	ND	112	95	16.4	103	97	6.0	70 - 130	30	
Chloromethane	ND	97	82	16.8	96	94	2.1	70 - 130	30	
cis-1,2-Dichloroethene	ND	112	96	15.4	102	99	3.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	117	100	15.7	98	94	4.2	70 - 130	30	
Dibromochloromethane	ND	119	101	16.4	98	79	21.5	70 - 130	30	
Dichlorodifluoromethane	ND	74	62	17.6	106	96	9.9	70 - 130	30	I
Ethylbenzene	ND	112	92	19.6	124	128	3.2	70 - 130	30	
Isopropylbenzene	ND	118	98	18.5	108	104	3.8	70 - 130	30	
m&p-Xylene	ND	114	94	19.2	113	118	4.3	70 - 130	30	
Methyl ethyl ketone	ND	98	85	14.2	92	83	10.3	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	114	100	13.1	86	95	9.9	70 - 130	30	
Methylacetate	ND							70 - 130	30	
Methylcyclohexane	ND	112	92	19.6	114	104	9.2	70 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Methylene chloride	ND	105	94	11.1	109	96	12.7	70 - 130	30	
o-Xylene	ND	116	97	17.8	106	102	3.8	70 - 130	30	
Styrene	ND	119	100	17.4	100	84	17.4	70 - 130	30	
Tetrachloroethene	ND	125	101	21.2	109	103	5.7	70 - 130	30	
Toluene	ND	111	93	17.6	107	100	6.8	70 - 130	30	
trans-1,2-Dichloroethene	ND	107	90	17.3	96	99	3.1	70 - 130	30	
trans-1,3-Dichloropropene	ND	115	99	15.0	96	92	4.3	70 - 130	30	
Trichloroethene	ND	117	97	18.7	116	99	15.8	70 - 130	30	
Trichlorofluoromethane	ND	112	94	17.5	>150	>150	NC	70 - 130	30	m
Trichlorotrifluoroethane	ND	104	92	12.2	118	103	13.6	70 - 130	30	
Vinyl chloride	ND	99	83	17.6	109	101	7.6	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	101	100	1.0	155	117	27.9	70 - 121	30	m
% Bromofluorobenzene	95	100	99	1.0	72	74	2.7	59 - 113	30	
% Dibromofluoromethane	106	102	102	0.0	114	115	0.9	70 - 130	30	
% Toluene-d8	99	100	100	0.0	71	73	2.8	84 - 138	30	m

QA/QC Batch 254698, QC Sample No: BF45197 (BF45197, BF45199, BF45201, BF45203, BF45205, BF45207, BF45209, BF45211, BF45213, BF45215)

Semivolatiles - Soil

1,1-Biphenyl	ND	76	75	1.3	77	78	1.3	30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	95	95	0.0	100	98	2.0	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	83	80	3.7	91	92	1.1	30 - 130	30	
2,4,5-Trichlorophenol	ND	93	91	2.2	98	98	0.0	30 - 130	30	
2,4,6-Trichlorophenol	ND	92	91	1.1	98	99	1.0	30 - 130	30	
2,4-Dichlorophenol	ND	85	84	1.2	90	88	2.2	30 - 130	30	
2,4-Dimethylphenol	ND	50	50	0.0	56	55	1.8	30 - 130	30	
2,4-Dinitrophenol	ND	13	12	8.0	37	36	2.7	30 - 130	30	l
2,4-Dinitrotoluene	ND	83	82	1.2	86	86	0.0	30 - 130	30	
2,6-Dinitrotoluene	ND	82	82	0.0	85	85	0.0	30 - 130	30	
2-Chloronaphthalene	ND	78	77	1.3	80	82	2.5	30 - 130	30	
2-Chlorophenol	ND	67	67	0.0	70	71	1.4	30 - 130	30	
2-Methylnaphthalene	ND	75	74	1.3	76	76	0.0	30 - 130	30	
2-Methylphenol (o-cresol)	ND	68	68	0.0	72	73	1.4	30 - 130	30	
2-Nitroaniline	ND	>150	>150	NC	>150	>150	NC	30 - 130	30	l,m
2-Nitrophenol	ND	78	78	0.0	82	82	0.0	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	69	69	0.0	73	72	1.4	30 - 130	30	
3,3'-Dichlorobenzidine	ND	133	129	3.1	127	123	3.2	30 - 130	30	l
3-Nitroaniline	ND	114	113	0.9	117	114	2.6	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	59	60	1.7	90	91	1.1	30 - 130	30	
4-Bromophenyl phenyl ether	ND	73	72	1.4	76	76	0.0	30 - 130	30	
4-Chloro-3-methylphenol	ND	76	76	0.0	80	79	1.3	30 - 130	30	
4-Chloroaniline	ND	79	81	2.5	78	78	0.0	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	97	97	0.0	100	101	1.0	30 - 130	30	
4-Nitroaniline	ND	81	80	1.2	83	84	1.2	30 - 130	30	
4-Nitrophenol	ND	76	76	0.0	84	82	2.4	30 - 130	30	
Acenaphthene	ND	76	75	1.3	78	80	2.5	30 - 130	30	
Acenaphthylene	ND	75	74	1.3	77	79	2.6	30 - 130	30	
Acetophenone	ND	77	77	0.0	79	79	0.0	30 - 130	30	
Anthracene	ND	84	84	0.0	87	87	0.0	30 - 130	30	
Atrazine	ND	99	99	0.0	100	102	2.0	30 - 130	30	
Benz(a)anthracene	ND	88	86	2.3	89	90	1.1	30 - 130	30	
Benzaldehyde	ND	99	100	1.0	102	103	1.0	30 - 130	30	
Benzo(a)pyrene	ND	80	78	2.5	82	82	0.0	30 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Benzo(b)fluoranthene	ND	86	86	0.0	96	93	3.2	30 - 130	30	
Benzo(ghi)perylene	ND	84	84	0.0	89	88	1.1	30 - 130	30	
Benzo(k)fluoranthene	ND	91	90	1.1	89	93	4.4	30 - 130	30	
Benzyl butyl phthalate	ND	72	70	2.8	73	75	2.7	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	71	72	1.4	74	74	0.0	30 - 130	30	
Bis(2-chloroethyl)ether	ND	66	67	1.5	68	68	0.0	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	80	80	0.0	82	82	0.0	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	71	72	1.4	74	75	1.3	30 - 130	30	
Caprolactam	ND	72	73	1.4	73	74	1.4	30 - 130	30	
Carbazole	ND	132	133	0.8	141	140	0.7	30 - 130	30	l,m
Chrysene	ND	86	84	2.4	88	88	0.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	89	88	1.1	94	92	2.2	30 - 130	30	
Dibenzofuran	ND	81	81	0.0	84	85	1.2	30 - 130	30	
Diethyl phthalate	ND	78	78	0.0	81	81	0.0	30 - 130	30	
Dimethylphthalate	ND	80	80	0.0	84	85	1.2	30 - 130	30	
Di-n-butylphthalate	ND	75	76	1.3	78	80	2.5	30 - 130	30	
Di-n-octylphthalate	ND	69	70	1.4	70	71	1.4	30 - 130	30	
Fluoranthene	ND	91	92	1.1	97	96	1.0	30 - 130	30	
Fluorene	ND	86	86	0.0	90	90	0.0	30 - 130	30	
Hexachlorobenzene	ND	77	75	2.6	78	79	1.3	30 - 130	30	
Hexachlorobutadiene	ND	94	92	2.2	96	94	2.1	30 - 130	30	
Hexachlorocyclopentadiene	ND	78	77	1.3	82	80	2.5	30 - 130	30	
Hexachloroethane	ND	68	69	1.5	71	70	1.4	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	88	87	1.1	92	91	1.1	30 - 130	30	
Isophorone	ND	78	78	0.0	80	80	0.0	30 - 130	30	
Naphthalene	ND	68	69	1.5	71	71	0.0	30 - 130	30	
Nitrobenzene	ND	75	76	1.3	78	78	0.0	30 - 130	30	
N-Nitrosodimethylamine	ND	62	62	0.0	63	63	0.0	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	79	81	2.5	82	82	0.0	30 - 130	30	
N-Nitrosodiphenylamine	ND	94	94	0.0	99	98	1.0	30 - 130	30	
Pentachlorophenol	ND	52	52	0.0	71	69	2.9	30 - 130	30	
Phenanthrene	ND	86	85	1.2	89	89	0.0	30 - 130	30	
Phenol	ND	72	72	0.0	75	75	0.0	30 - 130	30	
Pyrene	ND	91	91	0.0	96	96	0.0	30 - 130	30	
% 2,4,6-Tribromophenol	74	81	83	2.4	86	89	3.4	19 - 122	30	
% 2-Fluorobiphenyl	71	82	81	1.2	83	85	2.4	30 - 115	30	
% 2-Fluorophenol	59	63	63	0.0	66	66	0.0	25 - 121	30	
% Nitrobenzene-d5	69	74	74	0.0	77	77	0.0	23 - 120	30	
% Phenol-d5	68	72	72	0.0	75	76	1.3	24 - 113	30	
% Terphenyl-d14	82	101	101	0.0	106	107	0.9	18 - 137	30	
QA/QC Batch 255576, QC Sample No: BF45202 (BF45202)										
Volatiles - Soil										
1,1,1-Trichloroethane	ND	102	92	10.3	119	104	13.5	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	96	91	5.3	109	95	13.7	70 - 130	30	
1,1,2-Trichloroethane	ND	104	96	8.0	117	105	10.8	70 - 130	30	
1,1-Dichloroethane	ND	101	90	11.5	120	103	15.2	70 - 130	30	
1,1-Dichloroethene	ND	89	74	18.4	118	110	7.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	106	95	10.9	105	99	5.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	107	91	16.2	100	95	5.1	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	98	97	1.0	114	105	8.2	70 - 130	30	
1,2-Dibromoethane	ND	103	97	6.0	117	104	11.8	70 - 130	30	
1,2-Dichlorobenzene	ND	101	92	9.3	108	97	10.7	70 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dichloroethane	ND	102	94	8.2	123	107	13.9	70 - 130	30	
1,2-Dichloropropane	ND	106	96	9.9	117	103	12.7	70 - 130	30	
1,3-Dichlorobenzene	ND	106	94	12.0	109	97	11.7	70 - 130	30	
1,4-Dichlorobenzene	ND	104	92	12.2	106	95	10.9	70 - 130	30	
1,4-dioxane	ND	124	100	21.4	130	114	13.1	70 - 130	30	
2-Hexanone	ND	70	67	4.4	120	103	15.2	70 - 130	30	l
4-Methyl-2-pentanone	ND	68	68	0.0	126	104	19.1	70 - 130	30	l
Acetone	ND	82	84	2.4	112	91	20.7	70 - 130	30	
Benzene	ND	97	87	10.9	117	103	12.7	70 - 130	30	
Bromochloromethane	ND	103	93	10.2	121	103	16.1	70 - 130	30	
Bromodichloromethane	ND	105	96	9.0	120	107	11.5	70 - 130	30	
Bromoform	ND	108	102	5.7	121	107	12.3	70 - 130	30	
Bromomethane	ND	96	83	14.5	128	111	14.2	70 - 130	30	
Carbon Disulfide	ND	90	66	30.8	121	115	5.1	70 - 130	30	l,r
Carbon tetrachloride	ND	103	92	11.3	122	106	14.0	70 - 130	30	
Chlorobenzene	ND	103	94	9.1	113	99	13.2	70 - 130	30	
Chloroethane	ND	102	87	15.9	131	110	17.4	70 - 130	30	m
Chloroform	ND	104	93	11.2	121	104	15.1	70 - 130	30	
Chloromethane	ND	100	82	19.8	121	106	13.2	70 - 130	30	
cis-1,2-Dichloroethene	ND	103	92	11.3	117	102	13.7	70 - 130	30	
cis-1,3-Dichloropropene	ND	108	97	10.7	118	104	12.6	70 - 130	30	
Dibromochloromethane	ND	105	100	4.9	117	103	12.7	70 - 130	30	
Dichlorodifluoromethane	ND	75	58	25.6	128	110	15.1	70 - 130	30	l
Ethylbenzene	ND	100	90	10.5	114	101	12.1	70 - 130	30	
Isopropylbenzene	ND	106	96	9.9	114	99	14.1	70 - 130	30	
m&p-Xylene	ND	101	91	10.4	114	99	14.1	70 - 130	30	
Methyl ethyl ketone	ND	89	87	2.3	132	112	16.4	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	98	92	6.3	115	101	13.0	70 - 130	30	
Methylacetate	ND							70 - 130	30	
Methylcyclohexane	ND	104	86	18.9	122	104	15.9	70 - 130	30	
Methylene chloride	1.5 JBS	98	85	14.2	117	97	18.7	70 - 130	30	
o-Xylene	ND	106	93	13.1	117	103	12.7	70 - 130	30	
Styrene	ND	107	97	9.8	113	102	10.2	70 - 130	30	
Tetrachloroethene	ND	105	94	11.1	114	100	13.1	70 - 130	30	
Toluene	ND	102	91	11.4	116	102	12.8	70 - 130	30	
trans-1,2-Dichloroethene	ND	99	85	15.2	120	98	20.2	70 - 130	30	
trans-1,3-Dichloropropene	ND	106	97	8.9	121	107	12.3	70 - 130	30	
Trichloroethene	ND	106	96	9.9	122	107	13.1	70 - 130	30	
Trichlorofluoromethane	ND	108	92	16.0	131	110	17.4	70 - 130	30	m
Trichlorotrifluoroethane	ND	105	81	25.8	124	112	10.2	70 - 130	30	
Vinyl chloride	ND	94	79	17.3	124	107	14.7	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	100	100	0.0	99	99	0.0	70 - 121	30	
% Bromofluorobenzene	92	100	101	1.0	101	102	1.0	59 - 113	30	
% Dibromofluoromethane	104	99	101	2.0	103	102	1.0	70 - 130	30	
% Toluene-d8	98	100	101	1.0	100	100	0.0	84 - 138	30	

QA/QC Batch 255173, QC Sample No: BF45202 (BF45198 (71X) , BF45200 (50, 1X) , BF45202, BF45204)

Volatiles - Soil

1,1,1-Trichloroethane	ND	102	92	10.3	119	104	13.5	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	96	91	5.3	109	95	13.7	70 - 130	30	
1,1,2-Trichloroethane	ND	104	96	8.0	117	105	10.8	70 - 130	30	
1,1-Dichloroethane	ND	101	90	11.5	120	103	15.2	70 - 130	30	
1,1-Dichloroethene	ND	89	74	18.4	118	110	7.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBF45197

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2,3-Trichlorobenzene	ND	106	95	10.9	105	99	5.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	107	91	16.2	100	95	5.1	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	98	97	1.0	114	105	8.2	70 - 130	30	
1,2-Dibromoethane	ND	103	97	6.0	117	104	11.8	70 - 130	30	
1,2-Dichlorobenzene	ND	101	92	9.3	108	97	10.7	70 - 130	30	
1,2-Dichloroethane	ND	102	94	8.2	123	107	13.9	70 - 130	30	
1,2-Dichloropropane	ND	106	96	9.9	117	103	12.7	70 - 130	30	
1,3-Dichlorobenzene	ND	106	94	12.0	109	97	11.7	70 - 130	30	
1,4-Dichlorobenzene	ND	104	92	12.2	106	95	10.9	70 - 130	30	
1,4-dioxane	ND	124	100	21.4	130	114	13.1	70 - 130	30	
2-Hexanone	ND	70	67	4.4	120	103	15.2	70 - 130	30	l
4-Methyl-2-pentanone	ND	68	68	0.0	126	104	19.1	70 - 130	30	l
Acetone	ND	82	84	2.4	112	91	20.7	70 - 130	30	
Benzene	ND	97	87	10.9	117	103	12.7	70 - 130	30	
Bromochloromethane	ND	103	93	10.2	121	103	16.1	70 - 130	30	
Bromodichloromethane	ND	105	96	9.0	120	107	11.5	70 - 130	30	
Bromoform	ND	108	102	5.7	121	107	12.3	70 - 130	30	
Bromomethane	ND	96	83	14.5	128	111	14.2	70 - 130	30	
Carbon Disulfide	ND	90	66	30.8	121	115	5.1	70 - 130	30	l,r
Carbon tetrachloride	ND	103	92	11.3	122	106	14.0	70 - 130	30	
Chlorobenzene	ND	103	94	9.1	113	99	13.2	70 - 130	30	
Chloroethane	ND	102	87	15.9	131	110	17.4	70 - 130	30	m
Chloroform	ND	104	93	11.2	121	104	15.1	70 - 130	30	
Chloromethane	ND	100	82	19.8	121	106	13.2	70 - 130	30	
cis-1,2-Dichloroethene	ND	103	92	11.3	117	102	13.7	70 - 130	30	
cis-1,3-Dichloropropene	ND	108	97	10.7	118	104	12.6	70 - 130	30	
Dibromochloromethane	ND	105	100	4.9	117	103	12.7	70 - 130	30	
Dichlorodifluoromethane	ND	75	58	25.6	128	110	15.1	70 - 130	30	l
Ethylbenzene	ND	100	90	10.5	114	101	12.1	70 - 130	30	
Isopropylbenzene	ND	106	96	9.9	114	99	14.1	70 - 130	30	
m&p-Xylene	ND	101	91	10.4	114	99	14.1	70 - 130	30	
Methyl ethyl ketone	ND	89	87	2.3	132	112	16.4	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	98	92	6.3	115	101	13.0	70 - 130	30	
Methylacetate	ND							70 - 130	30	
Methylcyclohexane	ND	104	86	18.9	122	104	15.9	70 - 130	30	
Methylene chloride	1.5 JBS	98	85	14.2	117	97	18.7	70 - 130	30	
o-Xylene	ND	106	93	13.1	117	103	12.7	70 - 130	30	
Styrene	ND	107	97	9.8	113	102	10.2	70 - 130	30	
Tetrachloroethene	ND	105	94	11.1	114	100	13.1	70 - 130	30	
Toluene	ND	102	91	11.4	116	102	12.8	70 - 130	30	
trans-1,2-Dichloroethene	ND	99	85	15.2	120	98	20.2	70 - 130	30	
trans-1,3-Dichloropropene	ND	106	97	8.9	121	107	12.3	70 - 130	30	
Trichloroethene	ND	106	96	9.9	122	107	13.1	70 - 130	30	
Trichlorofluoromethane	ND	108	92	16.0	131	110	17.4	70 - 130	30	m
Trichlorotrifluoroethane	ND	105	81	25.8	124	112	10.2	70 - 130	30	
Vinyl chloride	ND	94	79	17.3	124	107	14.7	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	100	100	0.0	99	99	0.0	70 - 121	30	
% Bromofluorobenzene	92	100	101	1.0	101	102	1.0	59 - 113	30	
% Dibromofluoromethane	104	99	101	2.0	103	102	1.0	70 - 130	30	
% Toluene-d8	98	100	101	1.0	100	100	0.0	84 - 138	30	

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Data

SDG I.D.: GBF45197

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
November 03, 2013

Sample Criteria Exceedences Report

Requested Criteria: 375, 375RRS

State: NY

GBF45197 - GALLI-ENG

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BF45198	$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	5100	100	100	ug/kg
BF45198	$DP8260_TCL	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg
BF45198	$DP8260_TCL	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2500	50	50	ug/Kg
BF45198	$DP8260_TCL	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	61	250	50	50	ug/Kg
BF45198	$DP8260_TCL	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	190	190	ug/Kg
BF45198	$DP8260_TCL	Methyl ethyl ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1500	120	120	ug/Kg
BF45198	$DP8260_TCL	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	60	60	ug/Kg
BF45198	$DP8260_TCL	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg
BF45199	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	197	6.3	63	63	mg/Kg
BF45205	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	145	6.8	63	63	mg/Kg
BF45207	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	65.2	0.7	63	63	mg/Kg
BF45209	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	132	0.7	63	63	mg/Kg
BF45213	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	30.2	0.34	30	30	mg/Kg
BF45213	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	158	6.7	109	109	mg/Kg
BF45215	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	126	0.7	63	63	mg/Kg
BF45217	$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	5000	100	100	ug/kg
BF45217	$DP8260_TCL	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg
BF45217	$DP8260_TCL	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2500	50	50	ug/Kg
BF45217	$DP8260_TCL	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	63	250	50	50	ug/Kg
BF45217	$DP8260_TCL	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	190	190	ug/Kg
BF45217	$DP8260_TCL	Methyl ethyl ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1500	120	120	ug/Kg
BF45217	$DP8260_TCL	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	60	60	ug/Kg
BF45217	$DP8260_TCL	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

November 03, 2013

SDG I.D.: GBF45197

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

NY/NJ CHAIN OF CUSTODY RECORD

Temp Yourself Pg 1 of 2

PHOENIX *Environmental Laboratories, Inc.*

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Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery:
☐ Fax #:
☒ Email: Kbrooks@gallieng.com

Customer: Galli Engineering, P.C.
Address: 734 Walt Whitman Rd. Suite 402A
Melville, NY 11747

Project: 48 Sewell St.
Report to: Ken Brooks
Invoice to: Luis La Santa

Project P.O:
Phone #: 631-271-9292
Fax #: 631-271-9345

Sampler's Signature: Matthew A. Galli Date: 9/24/13

Client Sample - Information - Identification

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC TCL	SVOC TCL	TAL Metals	Soil VOA [X] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
45197	FM-1	S	9/24/13	0900		X	X			1							
45198	FM-1	S	9/24/13	0900	X	X	X			3							
45199	FM-2	S	9/24/13	0908		X	X			1							
45200	FM-2	S	9/24/13	0908	X	X	X			3							
45201	FM-3	S	9/24/13	0810		X	X			1							
45202	FM-3	S	9/24/13	0810	X	X	X			3							
45203	FM-4	S	9/24/13	0830		X	X			1							
45204	FM-4	S	9/24/13	0830	X	X	X			3							
45205	FM-5	S	9/24/13	0830		X	X			1							
45206	FM-5	S	9/24/13	0830	X	X	X			3							
45207	FM-6	S	9/24/13	0851		X	X			1							
45208	FM-6	S	9/24/13	0851	X	X	X			3							

Relinquished by:	Accepted by:	Date:	Time:
		9/25/13	11:10
		9/25/13	1526

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TOGS GA GW
☐ CP-51 Soil
☒ NY375 Unrestricted Soil
☐ NY375 Residential Soil
☒ NY375 Restricted Non-Residential Soil

Data Format
☒ Phoenix Std Report
☒ Excel
☒ PDF
☐ GIS/Key
☒ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☒ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

NY/NJ CHAIN OF CUSTODY RECORD

Temp 4 on ice

Pg 2 of 2

PHOENIX
Environmental Laboratories, Inc.

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Client Services (860) 645-8726

Data Delivery:
☐ Fax #:
☒ Email: Kbrooks@gallieng.com

Customer: Galli Engineering, P.C.
Address: 734 Walt Whitman Rd. Suite 402A
Melville, NY 11747

Project: 48 Sewell St.
Report to: Ken Brooks
Invoice to: Luis LaSanta

Project P.O:
Phone #: 631-271-9292
Fax #: 631-271-9345

Client Sample - Information - Identification

Sampler's Signature: Matthew L. Galli Date: 9/24/13

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC-TCL	SVOC-TCL	TAL Metals	Soil VOA X Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
45209	FM-7	S	9/24/13	0843		X	X		1								
45210	FM-7	S	9/24/13	0843	X	X	X	3									
45211	FM-8	S	9/24/13	0825		X	X		1								
45212	FM-8	S	9/24/13	0827	X	X	X	3									
45213	FM-9	S	9/24/13	0947		X	X		1								
45214	FM-9	S	9/24/13	0947	X	X	X	3									
45215	Duplicate	S	9/24/13			α	α		1								
45216	Duplicate	S	9/24/13	0843	X	X	X	3									
45217	Trip Blanks HL		9/24/13		X			3									
45218	TRIP BLANK LL				α												

Relinquished by:	Accepted by:	Date:	Time:
		9/25/13	11:10
		9-25-13	1526

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TOGS GA GW
☐ CP-51 Soil
☒ NY375 Unrestricted Soil
☐ NY375 Residential Soil
☒ NY375 Restricted Non-Residential Soil

Data Format
☒ Phoenix Std Report
☒ Excel
☒ PDF
☐ GIS/Key
☒ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☒ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

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Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: GALLI ENGEERING
Project: 48 SEWELL ST
Laboratory Project: GBF45197

Semi-Volatiles Portion

Organic Data Flags

MDL: Method Detection Limit
The minimum reportable concentration that can be measured with 99% confidence, as defined in 40CFR part 136 (Appendix B).

PQL(RL): Practical Quantitation Level or Reporting Level
This value is at or above the MDL and is supported by the lowest calibration standard.

- Q Qualifiers:

U - The compound was analyzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.

J - The value is estimated. This flag is used
a) on form 1 when the compound is reported above the MDL, but below the PQL, and
b) on the Tentatively Identified Compound (TIC) form for all compounds identified

JL- The value is estimated. This flag is used on the form 1 when a compound is evaluated to the requested criteria. This value may be below the MDL.

N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified.

S - This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.

B - This compound was also present in the method blank

D - The reported concentration is the result of a diluted analysis.

E - The reported value is estimated because the concentration exceeded the calibration range.

A - Indicates that the tentatively identified compound is a suspected aldol condensation product.

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NY # 11301

NY ANALYTICAL SERVICES PROTOCOL

October 04, 2013 **SDG I.D.: GBF45197**

48 SEWELL ST Galli Engineering, P.C.

Conformance / Non-Conformance Summary

Semivolatile Organic Compounds

The samples were analyzed for a semivolatile list of compounds by GC/MS full scan.

1,2 diphenylhydrazine becomes Azobenzene upon injection into the GC/MS instrument.

Form 2: All sample and associated QC sample surrogate recoveries met method criteria.

Form 3: Laboratory Criteria for the Lab Control Sample/Lab Control Sample Duplicate (LCS/LCSD) and Matrix Spike/Matrix Spike Duplicate (MS/MSD): 90% of compounds are within 30-130% and RPDs less than 30% (these limits are reflected on the form Ills). All QC associated with this sample set met ASP criteria. Compounds with recoveries and/or RPDs outside laboratory control limits are flagged with an asterisk on form III.

Form 5: All DFTPP Tunes associated with this sample set met method criteria and sample analysis was performed within 12 hours of their injection.

Form 6: Initial calibration met ASP criteria for all target compounds (RSD and response factors) on CHEM09 on 09/23/13, with the following exceptions: The minimum RRF was not met for 2-Nitrophenol and Hexachlorobenzene.

Form 7: The continuing calibration standard on 0926_02.D on CHEM09 met ASP criteria for all target compounds, with the following exceptions: The minimum RRF was not met for 2-Nitrophenol and Hexachlorobenzene. The closing continuing calibration standard on 0926_24.D on CHEM09 met ASP criteria for all target compounds, with the following exceptions: The maximum %D was not met for Hexachlorocyclopentadiene, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol and Carbazole.

Form 8: All internal standard areas and retention times met method criteria for all samples and associated QC samples.

Observations: The client requested a shorter list of compounds than that provided in the raw data.
All compounds striked through on quantitation report are less than MDL for that compound.
No other observations are noted.

10/04/13
Jonathon Carlson Date
Project Manager

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GBF45197

QC Batch Id: 254698 QC Sample Id: BF45197

	CLIENT ID	S1 2FP #	S2 PHL #	S3 NBZ #	S4 2FBP #	S5 TBP #	S6 TPH #	TOT OUT
01								
02	09-25-13 BLANK	59	68	69	71	74	82	0
03	09-25-13 LCS	63	72	74	82	81	101	0
04	09-25-13 LCSD	63	72	74	81	83	101	0
05	FM-1 MS	66	75	77	83	86	106	0
06	FM-1 MSD	66	76	77	85	89	107	0
07	FM-1	70	80	82	87	89	103	0
08	FM-2	73	84	85	91	94	106	0
09	FM-3	70	80	82	89	90	107	0
10	FM-4	70	80	82	89	88	103	0
11	FM-5	55	62	62	69	66	76	0
12	FM-6	70	79	79	92	87	104	0
13	FM-7	73	82	84	94	89	104	0
14	FM-8	67	76	78	88	82	98	0
15	FM-9	72	80	81	90	86	96	0
16	DUPLICATE	67	77	79	92	86	94	0
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS		
S1 (2FP) = 2-Fluorophenol	(30-130)	30	130
S2 (PHL) = Phenol-d5	(30-130)	30	130
S3 (NBZ) = Nitrobenzene-d5	(30-130)	30	130
S4 (FBP) = 2-Fluorobiphenyl	(30-130)	30	130
S5 (TBP) = 2,4,6-Tribromophenol	(30-130)	30	130
S6 (TPH) = Terphenyl-d14	(30-130)	30	130

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM II SV

3D

SOIL SEMIVOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GBF45197

LCS Spike - Client Id: BF45197 / 09-25-13 LCS Level:(low/med)

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.	
N-Nitrosodimethylamine	3333	0.0	2075	62	30	130
Phenol	3333	0.0	2410	72	30	130
Bis(2-chloroethyl)ether	3333	0.0	2197	66	30	130
Benzaldehyde	3333	0.0	3289	99	30	130
2-Chlorophenol	3333	0.0	2241	67	30	130
2-Methylphenol (o-cresol)	3333	0.0	2270	68	30	130
Bis(2-chloroisopropyl)ether	3333	0.0	2663	80	30	130
N-Nitrosodi-n-propylamine	3333	0.0	2631	79	30	130
3&4-Methylphenol (m&p-cresol)	3333	0.0	2292	69	30	130
Acetophenone	3333	0.0	2558	77	30	130
Hexachloroethane	3333	0.0	2280	68	30	130
Nitrobenzene	3333	0.0	2509	75	30	130
Isophorone	3333	0.0	2596	78	30	130
2-Nitrophenol	3333	0.0	2587	78	30	130
2,4-Dimethylphenol	3333	0.0	1651	50	30	130
Bis(2-chloroethoxy)methane	3333	0.0	2359	71	30	130
2,4-Dichlorophenol	3333	0.0	2821	85	30	130
Naphthalene	3333	0.0	2265	68	30	130
4-Chloroaniline	3333	0.0	2618	79	30	130

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
N-Nitrosodimethylamine	3333	2071	62	0.0	30	30	130
Phenol	3333	2396	72	0.0	30	30	130
Bis(2-chloroethyl)ether	3333	2224	67	1.5	30	30	130
Benzaldehyde	3333	3319	100	1.0	30	30	130
2-Chlorophenol	3333	2247	67	0.0	30	30	130
2-Methylphenol (o-cresol)	3333	2282	68	0.0	30	30	130
Bis(2-chloroisopropyl)ether	3333	2653	80	0.0	30	30	130
N-Nitrosodi-n-propylamine	3333	2686	81	2.5	30	30	130
3&4-Methylphenol (m&p-cresol)	3333	2306	69	0.0	30	30	130
Acetophenone	3333	2581	77	0.0	30	30	130
Hexachloroethane	3333	2303	69	1.5	30	30	130
Nitrobenzene	3333	2517	76	1.3	30	30	130
Isophorone	3333	2611	78	0.0	30	30	130
2-Nitrophenol	3333	2588	78	0.0	30	30	130
2,4-Dimethylphenol	3333	1657	50	0.0	30	30	130
Bis(2-chloroethoxy)methane	3333	2394	72	1.4	30	30	130
2,4-Dichlorophenol	3333	2785	84	1.2	30	30	130
Naphthalene	3333	2299	69	1.5	30	30	130
4-Chloroaniline	3333	2688	81	2.5	30	30	130

FORM III SV

3D

SOIL SEMIVOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GBF45197

LCS Spike - Client Id: BF45197 / 09-25-13 LCS Level:(low/med)

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.	
Hexachlorobutadiene	3333	0.0	3123	94	30	130
4-Chloro-3-methylphenol	3333	0.0	2537	76	30	130
2-Methylnaphthalene	3333	0.0	2484	75	30	130
Hexachlorocyclopentadiene	3333	0.0	2584	78	30	130
1,2,4,5-Tetrachlorobenzene	3333	0.0	3174	95	30	130
2,4,6-Trichlorophenol	3333	0.0	3076	92	30	130
2,4,5-Trichlorophenol	3333	0.0	3107	93	30	130
2-Chloronaphthalene	3333	0.0	2599	78	30	130
4-Nitroaniline	3333	0.0	2689	81	30	130
Dimethylphthalate	3333	0.0	2682	80	30	130
2,6-Dinitrotoluene	3333	0.0	2726	82	30	130
Acenaphthylene	3333	0.0	2485	75	30	130
3-Nitroaniline	3333	0.0	3804	114	30	130
Acenaphthene	3333	0.0	2521	76	30	130
2,4-Dinitrophenol	3333	0.0	429.3	13 *	30	130
Caprolactam	3333	0.0	2392	72	30	130
Dibenzofuran	3333	0.0	2712	81	30	130
2,4-Dinitrotoluene	3333	0.0	2755	83	30	130
4-Nitrophenol	3333	0.0	2545	76	30	130

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
Hexachlorobutadiene	3333	3081	92	2.2	30	30	130
4-Chloro-3-methylphenol	3333	2545	76	0.0	30	30	130
2-Methylnaphthalene	3333	2459	74	1.3	30	30	130
Hexachlorocyclopentadiene	3333	2571	77	1.3	30	30	130
1,2,4,5-Tetrachlorobenzene	3333	3152	95	0.0	30	30	130
2,4,6-Trichlorophenol	3333	3029	91	1.1	30	30	130
2,4,5-Trichlorophenol	3333	3039	91	2.2	30	30	130
2-Chloronaphthalene	3333	2582	77	1.3	30	30	130
4-Nitroaniline	3333	2665	80	1.2	30	30	130
Dimethylphthalate	3333	2681	80	0.0	30	30	130
2,6-Dinitrotoluene	3333	2717	82	0.0	30	30	130
Acenaphthylene	3333	2471	74	1.3	30	30	130
3-Nitroaniline	3333	3775	113	0.9	30	30	130
Acenaphthene	3333	2511	75	1.3	30	30	130
2,4-Dinitrophenol	3333	408.7	12 *	8.0	30	30	130
Caprolactam	3333	2421	73	1.4	30	30	130
Dibenzofuran	3333	2692	81	0.0	30	30	130
2,4-Dinitrotoluene	3333	2725	82	1.2	30	30	130
4-Nitrophenol	3333	2535	76	0.0	30	30	130

FORM III SV

3D

SOIL SEMIVOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GBF45197

LCS Spike - Client Id: BF45197 / 09-25-13 LCS Level:(low/med)

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.	
Diethyl phthalate	3333	0.0	2605	78	30	130
Fluorene	3333	0.0	2859	86	30	130
4-Chlorophenyl phenyl ether	3333	0.0	3218	97	30	130
2-Nitroaniline	3333	0.0	5765	173 *	30	130
4,6-Dinitro-2-methylphenol	3333	0.0	1963	59	30	130
N-Nitrosodiphenylamine	3333	0.0	3137	94	30	130
4-Bromophenyl phenyl ether	3333	0.0	2432	73	30	130
Hexachlorobenzene	3333	0.0	2561	77	30	130
Atrazine	3333	0.0	3302	99	30	130
1,1-Biphenyl	3333	0.0	2525	76	30	130
Pentachlorophenol	3333	0.0	1740	52	30	130
Phenanthrene	3333	0.0	2850	86	30	130
Anthracene	3333	0.0	2800	84	30	130
Carbazole	3333	0.0	4394	132 *	30	130
Di-n-butylphthalate	3333	0.0	2494	75	30	130
Fluoranthene	3333	0.0	3023	91	30	130
Pyrene	3333	0.0	3049	91	30	130
Benzyl butyl phthalate	3333	0.0	2390	72	30	130
Bis(2-ethylhexyl)phthalate	3333	0.0	2365	71	30	130

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
Diethyl phthalate	3333	2595	78	0.0	30	30	130
Fluorene	3333	2851	86	0.0	30	30	130
4-Chlorophenyl phenyl ether	3333	3229	97	0.0	30	30	130
2-Nitroaniline	3333	5776	173 *	0.0	30	30	130
4,6-Dinitro-2-methylphenol	3333	1999	60	1.7	30	30	130
N-Nitrosodiphenylamine	3333	3121	94	0.0	30	30	130
4-Bromophenyl phenyl ether	3333	2403	72	1.4	30	30	130
Hexachlorobenzene	3333	2493	75	2.6	30	30	130
Atrazine	3333	3292	99	0.0	30	30	130
1,1-Biphenyl	3333	2513	75	1.3	30	30	130
Pentachlorophenol	3333	1723	52	0.0	30	30	130
Phenanthrene	3333	2832	85	1.2	30	30	130
Anthracene	3333	2808	84	0.0	30	30	130
Carbazole	3333	4435	133 *	0.8	30	30	130
Di-n-butylphthalate	3333	2542	76	1.3	30	30	130
Fluoranthene	3333	3052	92	1.1	30	30	130
Pyrene	3333	3034	91	0.0	30	30	130
Benzyl butyl phthalate	3333	2341	70	2.8	30	30	130
Bis(2-ethylhexyl)phthalate	3333	2408	72	1.4	30	30	130

FORM III SV

3D

SOIL SEMIVOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GBF45197

LCS Spike - Client Id: BF45197 / 09-25-13 LCS Level:(low/med)

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.	
Benz(a)anthracene	3333	0.0	2928	88	30	130
Chrysene	3333	0.0	2852	86	30	130
2,3,4,6-tetrachlorophenol	3333	0.0	2751	83	30	130
Di-n-octylphthalate	3333	0.0	2304	69	30	130
3,3'-dichlorobenzidine	3333	0.0	4433	133 *	30	130
Benzo(b)fluoranthene	3333	0.0	2881	86	30	130
Benzo(k)fluoranthene	3333	0.0	3047	91	30	130
Benzo(a)pyrene	3333	0.0	2659	80	30	130
Indeno(1,2,3-cd)pyrene	3333	0.0	2920	88	30	130
Dibenz(a,h)anthracene	3333	0.0	2974	89	30	130
Benzo(ghi)perylene	3333	0.0	2803	84	30	130

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
Benz(a)anthracene	3333	2852	86	2.3	30	30	130
Chrysene	3333	2805	84	2.4	30	30	130
2,3,4,6-tetrachlorophenol	3333	2663	80	3.7	30	30	130
Di-n-octylphthalate	3333	2317	70	1.4	30	30	130
3,3'-dichlorobenzidine	3333	4311	129	3.1	30	30	130
Benzo(b)fluoranthene	3333	2879	86	0.0	30	30	130
Benzo(k)fluoranthene	3333	3014	90	1.1	30	30	130
Benzo(a)pyrene	3333	2595	78	2.5	30	30	130
Indeno(1,2,3-cd)pyrene	3333	2893	87	1.1	30	30	130
Dibenz(a,h)anthracene	3333	2945	88	1.1	30	30	130
Benzo(ghi)perylene	3333	2788	84	0.0	30	30	130

FORM III SV

3D

SOIL SEMIVOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GBF45197

Matrix Spike - Client Id: BF45197 / FM-1 MS Level:(low/med)

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.	
N-Nitrosodimethylamine	3449	0.0	2165	63	30	130
Phenol	3449	0.0	2587	75	30	130
Bis(2-chloroethyl)ether	3449	0.0	2360	68	30	130
Benzaldehyde	3449	0.0	3534	102	30	130
2-Chlorophenol	3449	0.0	2431	70	30	130
2-Methylphenol (o-cresol)	3449	0.0	2499	72	30	130
Bis(2-chloroisopropyl)ether	3449	0.0	2827	82	30	130
N-Nitrosodi-n-propylamine	3449	0.0	2817	82	30	130
3&4-Methylphenol (m&p-cresol)	3449	0.0	2507	73	30	130
Acetophenone	3449	0.0	2723	79	30	130
Hexachloroethane	3449	0.0	2441	71	30	130
Nitrobenzene	3449	0.0	2687	78	30	130
Isophorone	3449	0.0	2774	80	30	130
2-Nitrophenol	3449	0.0	2836	82	30	130
2,4-Dimethylphenol	3449	0.0	1927	56	30	130
Bis(2-chloroethoxy)methane	3449	0.0	2552	74	30	130
2,4-Dichlorophenol	3449	0.0	3104	90	30	130
Naphthalene	3449	0.0	2443	71	30	130
4-Chloroaniline	3449	0.0	2698	78	30	130

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
N-Nitrosodimethylamine	3467	2184	63	0.0	30	30	130
Phenol	3467	2605	75	0.0	30	30	130
Bis(2-chloroethyl)ether	3467	2357	68	0.0	30	30	130
Benzaldehyde	3467	3576	103	1.0	30	30	130
2-Chlorophenol	3467	2462	71	1.4	30	30	130
2-Methylphenol (o-cresol)	3467	2531	73	1.4	30	30	130
Bis(2-chloroisopropyl)ether	3467	2836	82	0.0	30	30	130
N-Nitrosodi-n-propylamine	3467	2853	82	0.0	30	30	130
3&4-Methylphenol (m&p-cresol)	3467	2492	72	1.4	30	30	130
Acetophenone	3467	2730	79	0.0	30	30	130
Hexachloroethane	3467	2423	70	1.4	30	30	130
Nitrobenzene	3467	2706	78	0.0	30	30	130
Isophorone	3467	2759	80	0.0	30	30	130
2-Nitrophenol	3467	2858	82	0.0	30	30	130
2,4-Dimethylphenol	3467	1923	55	1.8	30	30	130
Bis(2-chloroethoxy)methane	3467	2553	74	0.0	30	30	130
2,4-Dichlorophenol	3467	3037	88	2.2	30	30	130
Naphthalene	3467	2449	71	0.0	30	30	130
4-Chloroaniline	3467	2692	78	0.0	30	30	130

FORM III SV

3D

SOIL SEMIVOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GBF45197

Matrix Spike - Client Id: BF45197 / FM-1 MS Level:(low/med)

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.	
Hexachlorobutadiene	3449	0.0	3301	96	30	130
4-Chloro-3-methylphenol	3449	0.0	2774	80	30	130
2-Methylnaphthalene	3449	0.0	2628	76	30	130
Hexachlorocyclopentadiene	3449	0.0	2839	82	30	130
1,2,4,5-Tetrachlorobenzene	3449	0.0	3442	100	30	130
2,4,6-Trichlorophenol	3449	0.0	3370	98	30	130
2,4,5-Trichlorophenol	3449	0.0	3365	98	30	130
2-Chloronaphthalene	3449	0.0	2770	80	30	130
4-Nitroaniline	3449	0.0	2863	83	30	130
Dimethylphthalate	3449	0.0	2887	84	30	130
2,6-Dinitrotoluene	3449	0.0	2921	85	30	130
Acenaphthylene	3449	0.0	2656	77	30	130
3-Nitroaniline	3449	0.0	4041	117	30	130
Acenaphthene	3449	0.0	2706	78	30	130
2,4-Dinitrophenol	3449	0.0	1291	37	30	130
Caprolactam	3449	0.0	2506	73	30	130
Dibenzofuran	3449	0.0	2887	84	30	130
2,4-Dinitrotoluene	3449	0.0	2951	86	30	130
4-Nitrophenol	3449	0.0	2901	84	30	130

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
Hexachlorobutadiene	3467	3274	94	2.1	30	30	130
4-Chloro-3-methylphenol	3467	2734	79	1.3	30	30	130
2-Methylnaphthalene	3467	2623	76	0.0	30	30	130
Hexachlorocyclopentadiene	3467	2777	80	2.5	30	30	130
1,2,4,5-Tetrachlorobenzene	3467	3408	98	2.0	30	30	130
2,4,6-Trichlorophenol	3467	3439	99	1.0	30	30	130
2,4,5-Trichlorophenol	3467	3412	98	0.0	30	30	130
2-Chloronaphthalene	3467	2858	82	2.5	30	30	130
4-Nitroaniline	3467	2903	84	1.2	30	30	130
Dimethylphthalate	3467	2933	85	1.2	30	30	130
2,6-Dinitrotoluene	3467	2960	85	0.0	30	30	130
Acenaphthylene	3467	2724	79	2.6	30	30	130
3-Nitroaniline	3467	3941	114	2.6	30	30	130
Acenaphthene	3467	2782	80	2.5	30	30	130
2,4-Dinitrophenol	3467	1257	36	2.7	30	30	130
Caprolactam	3467	2555	74	1.4	30	30	130
Dibenzofuran	3467	2955	85	1.2	30	30	130
2,4-Dinitrotoluene	3467	2975	86	0.0	30	30	130
4-Nitrophenol	3467	2832	82	2.4	30	30	130

FORM III SV

3D

SOIL SEMIVOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GBF45197

Matrix Spike - Client Id: BF45197 / FM-1 MS Level:(low/med)

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.	
Diethyl phthalate	3449	0.0	2781	81	30	130
Fluorene	3449	0.0	3098	90	30	130
4-Chlorophenyl phenyl ether	3449	0.0	3464	100	30	130
2-Nitroaniline	3449	0.0	6279	182 *	30	130
4,6-Dinitro-2-methylphenol	3449	0.0	3102	90	30	130
N-Nitrosodiphenylamine	3449	0.0	3419	99	30	130
4-Bromophenyl phenyl ether	3449	0.0	2616	76	30	130
Hexachlorobenzene	3449	0.0	2690	78	30	130
Atrazine	3449	0.0	3460	100	30	130
1,1-Biphenyl	3449	0.0	2652	77	30	130
Pentachlorophenol	3449	0.0	2438	71	30	130
Phenanthrene	3449	0.0	3068	89	30	130
Anthracene	3449	0.0	2984	87	30	130
Carbazole	3449	0.0	4874	141 *	30	130
Di-n-butylphthalate	3449	0.0	2691	78	30	130
Fluoranthene	3449	0.0	3357	97	30	130
Pyrene	3449	0.0	3301	96	30	130
Benzyl butyl phthalate	3449	0.0	2517	73	30	130
Bis(2-ethylhexyl)phthalate	3449	0.0	2567	74	30	130

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
Diethyl phthalate	3467	2808	81	0.0	30	30	130
Fluorene	3467	3120	90	0.0	30	30	130
4-Chlorophenyl phenyl ether	3467	3508	101	1.0	30	30	130
2-Nitroaniline	3467	6209	179 *	1.7	30	30	130
4,6-Dinitro-2-methylphenol	3467	3164	91	1.1	30	30	130
N-Nitrosodiphenylamine	3467	3387	98	1.0	30	30	130
4-Bromophenyl phenyl ether	3467	2625	76	0.0	30	30	130
Hexachlorobenzene	3467	2736	79	1.3	30	30	130
Atrazine	3467	3529	102	2.0	30	30	130
1,1-Biphenyl	3467	2692	78	1.3	30	30	130
Pentachlorophenol	3467	2381	69	2.9	30	30	130
Phenanthrene	3467	3075	89	0.0	30	30	130
Anthracene	3467	3026	87	0.0	30	30	130
Carbazole	3467	4847	140 *	0.7	30	30	130
Di-n-butylphthalate	3467	2767	80	2.5	30	30	130
Fluoranthene	3467	3314	96	1.0	30	30	130
Pyrene	3467	3328	96	0.0	30	30	130
Benzyl butyl phthalate	3467	2593	75	2.7	30	30	130
Bis(2-ethylhexyl)phthalate	3467	2591	75	1.3	30	30	130

FORM III SV

3D

SOIL SEMIVOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GBF45197

Matrix Spike - Client Id: BF45197 / FM-1 MS Level:(low/med)

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.	
Benz(a)anthracene	3449	0.0	3069	89	30	130
Chrysene	3449	0.0	3028	88	30	130
2,3,4,6-tetrachlorophenol	3449	0.0	3152	91	30	130
Di-n-octylphthalate	3449	0.0	2403	70	30	130
3,3'-dichlorobenzidine	3449	0.0	4373	127	30	130
Benzo(b)fluoranthene	3449	0.0	3327	96	30	130
Benzo(k)fluoranthene	3449	0.0	3084	89	30	130
Benzo(a)pyrene	3449	0.0	2836	82	30	130
Indeno(1,2,3-cd)pyrene	3449	0.0	3179	92	30	130
Dibenz(a,h)anthracene	3449	0.0	3225	94	30	130
Benzo(ghi)perylene	3449	0.0	3057	89	30	130

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
Benz(a)anthracene	3467	3132	90	1.1	30	30	130
Chrysene	3467	3062	88	0.0	30	30	130
2,3,4,6-tetrachlorophenol	3467	3181	92	1.1	30	30	130
Di-n-octylphthalate	3467	2472	71	1.4	30	30	130
3,3'-dichlorobenzidine	3467	4263	123	3.2	30	30	130
Benzo(b)fluoranthene	3467	3227	93	3.2	30	30	130
Benzo(k)fluoranthene	3467	3241	93	4.4	30	30	130
Benzo(a)pyrene	3467	2854	82	0.0	30	30	130
Indeno(1,2,3-cd)pyrene	3467	3145	91	1.1	30	30	130
Dibenz(a,h)anthracene	3467	3195	92	2.2	30	30	130
Benzo(ghi)perylene	3467	3046	88	1.1	30	30	130

FORM III SV

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: 09-25-13 BLANK

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab File ID: 0926_03.D Lab Sample ID: BF45197 BLANK

Instrument ID: CHEM09 Date Extracted: 09/25/2013

Matrix: (soil/water) SOIL Date Analyzed: 09/26/2013

Level: (low/med) Time Analyzed: 09:28

QC Batch Id: 254698

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	09-25-13 LCS	BF45197 LCS	0926_04.D	09/26/13
02	09-25-13 LCSD	BF45197 LCSD	0926_05.D	09/26/13
03	FM-1 MS	BF45197 MS	0926_06.D	09/26/13
04	FM-1 MSD	BF45197 MSD	0926_07.D	09/26/13
05	FM-1	BF45197	0926_08.D	09/26/13
06	FM-2	BF45199	0926_09.D	09/26/13
07	FM-3	BF45201	0926_10.D	09/26/13
08	FM-4	BF45203	0926_11.D	09/26/13
09	FM-5	BF45205	0926_12.D	09/26/13
10	FM-6	BF45207	0926_13.D	09/26/13
11	FM-7	BF45209	0926_14.D	09/26/13
12	FM-8	BF45211	0926_15.D	09/26/13
13	FM-9	BF45213	0926_16.D	09/26/13
14	DUPLICATE	BF45215	0926_17.D	09/26/13
15				

COMMENTS:

FORM IV SV

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab File ID: 0923_01A.D DFTPP Injection Date: 09/23/13

Instrument ID: CHEM09 DFTPP Injection Time: 15:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE			
51	10.0 - 80.0% of mass 198	53.8			
68	Less than 2.0% of mass 69	0.0	(	0.0	)1
69	Mass 69 relative abundance	59.6			
70	Less than 2.0% of mass 69	0.0	(	0.1	)1
127	10.0 - 80.0% of mass 198	47.3			
197	Less than 2.0% of mass 198	0.0			
198	Base Peak, 100% relative abundance	100.0			
199	5.0 to 9.0% of mass 198	6.7			
275	10.0 - 60.0% of mass 198	19.2			
365	Greater than 1.0% of mass 198	2.0			
441	Present, but less than mass 442	1.7	(	2.7	)2
442	Greater than 50.0% of mass 198	61.9			
443	15.0 - 24.0% of mass 442	12.1	(	19.5	)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ICAL 30	30PPM 8270	0923_02A.D	09/23/13	15:43
02	ICAL 70	70PPM 8270	0923_03A.D	09/23/13	16:13
03	ICAL 50	50PPM 8270	0923_04A.D	09/23/13	16:43
04	ICAL 20	20PPM 8270	0923_05A.D	09/23/13	17:12
05	ICAL 10	10PPM 8270	0923_06A.D	09/23/13	17:43
06	ICAL 3.5	3.5PPM 8270	0923_07A.D	09/23/13	18:13
07					
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FORM V SV

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab File ID: 0926_01.D DFTPP Injection Date: 09/26/13

Instrument ID: CHEM09 DFTPP Injection Time: 08:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE			
51	10.0 - 80.0% of mass 198	51.0			
68	Less than 2.0% of mass 69	0.0	(	0.0	)1
69	Mass 69 relative abundance	55.1			
70	Less than 2.0% of mass 69	0.3	(	0.5	)1
127	10.0 - 80.0% of mass 198	40.1			
197	Less than 2.0% of mass 198	0.0			
198	Base Peak, 100% relative abundance	100.0			
199	5.0 to 9.0% of mass 198	6.7			
275	10.0 - 60.0% of mass 198	17.8			
365	Greater than 1.0% of mass 198	1.8			
441	Present, but less than mass 442	6.1	(	11.4	)2
442	Greater than 50.0% of mass 198	53.5			
443	15.0 - 24.0% of mass 442	10.2	(	19.1	)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCAL 30	30PPM 8270	0926_02.D	09/26/13	08:57
02	09-25-13 BLANK	BF45197 BLANK	0926_03.D	09/26/13	09:28
03	09-25-13 LCS	BF45197 LCS	0926_04.D	09/26/13	09:58
04	09-25-13 LCSD	BF45197 LCSD	0926_05.D	09/26/13	10:28
05	FM-1 MS	BF45197 MS	0926_06.D	09/26/13	10:57
06	FM-1 MSD	BF45197 MSD	0926_07.D	09/26/13	11:27
07	FM-1	BF45197	0926_08.D	09/26/13	11:57
08	FM-2	BF45199	0926_09.D	09/26/13	12:27
09	FM-3	BF45201	0926_10.D	09/26/13	12:56
10	FM-4	BF45203	0926_11.D	09/26/13	13:26
11	FM-5	BF45205	0926_12.D	09/26/13	13:56
12	FM-6	BF45207	0926_13.D	09/26/13	14:26
13	FM-7	BF45209	0926_14.D	09/26/13	14:56
14	FM-8	BF45211	0926_15.D	09/26/13	15:26
15	FM-9	BF45213	0926_16.D	09/26/13	15:56
16	DUPLICATE	BF45215	0926_17.D	09/26/13	16:26
17	CCCAL 30	30PPM 8270	0926_24.D	09/26/13	19:54
18					
19					
20					

FORM V SV

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab File ID (Standard): 0923_02A.D Date Analyzed: 09/23/13

Instrument ID: CHEM09 Time Analyzed: 15:43

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	516946		7.60		1820659		9.71		935455		12.66	
	UPPER LIMIT	1033892		8.10		3641318		10.21		1870910		13.16	
	LOWER LIMIT	258473		7.10		910330		9.21		467728		12.16	
	CLIENT ID												
01	ICAL 70	714699		7.61		2617310		9.73		1338653		12.67	
02	ICAL 50	604366		7.61		2176793		9.72		1127834		12.67	
03	ICAL 20	625929		7.60		2117214		9.72		1151479		12.66	
04	ICAL 10	569760		7.60		1920297		9.72		1048503		12.66	
05	ICAL 3.5	765114		7.60		2491771		9.71		1428616		12.67	
06													
07													
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18													
19													
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21													
22													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab File ID (Standard): 0923_02A.D Date Analyzed: 09/23/13

Instrument ID: CHEM09 Time Analyzed: 15:43

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1408344		15.14		1103493		19.50		1027103		21.56	
	UPPER LIMIT	2816688		15.64		2206986		20.00		2054206		22.06	
	LOWER LIMIT	704172		14.64		551747		19.00		513552		21.06	
	CLIENT ID												
01	ICAL 70	2103697		15.16		1413329		19.52		1360861		21.58	
02	ICAL 50	1737204		15.15		1322078		19.51		1224249		21.58	
03	ICAL 20	1714749		15.15		1368016		19.51		1269124		21.57	
04	ICAL 10	1571354		15.15		1230359		19.50		1253950		21.57	
05	ICAL 3.5	2253143		15.15		1649678		19.50		1719871		21.57	
06													
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19													
20													
21													
22													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab File ID (Standard): 0926_02.D Date Analyzed: 09/26/13

Instrument ID: CHEM09 Time Analyzed: 08:57

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	414381		7.42		1416595		9.53		829252		12.47	
	UPPER LIMIT	828762		7.92		2833190		10.03		1658504		12.97	
	LOWER LIMIT	207191		6.92		708298		9.03		414626		11.97	
	CLIENT ID												
01	09-25-13 BLANK	396283		7.42		1301101		9.53		807287		12.47	
02	09-25-13 LCS	398231		7.42		1406924		9.53		788220		12.48	
03	09-25-13 LCSD	349162		7.43		1228351		9.53		696252		12.48	
04	FM-1 MS	367743		7.43		1301728		9.53		744444		12.48	
05	FM-1 MSD	352269		7.42		1250583		9.53		690851		12.48	
06	FM-1	355500		7.42		1164623		9.53		713526		12.48	
07	FM-2	336348		7.42		1087471		9.53		673579		12.47	
08	FM-3	375104		7.42		1208466		9.53		745921		12.47	
09	FM-4	350828		7.42		1142984		9.53		691993		12.47	
10	FM-5	334282		7.42		1083326		9.53		662168		12.47	
11	FM-6	325758		7.42		1048044		9.53		646606		12.48	
12	FM-7	354522		7.42		1133282		9.53		703688		12.48	
13	FM-8	368663		7.42		1176484		9.53		744040		12.48	
14	FM-9	364929		7.42		1167949		9.53		745328		12.47	
15	DUPLICATE	367841		7.42		1183882		9.53		736345		12.47	
16													
17													
18													
19													
20													
21													
22													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab File ID (Standard): 0926_02.D Date Analyzed: 09/26/13

Instrument ID: CHEM09 Time Analyzed: 08:57

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	1309443		14.95		1134320		19.33		999256		21.32	
	UPPER LIMIT	2618886		15.45		2268640		19.83		1998512		21.82	
	LOWER LIMIT	654722		14.45		567160		18.83		499628		20.82	
	CLIENT ID												
01	09-25-13 BLANK	1284843		14.95		952082		19.32		972452		21.32	
02	09-25-13 LCS	1255206		14.96		1072054		19.34		910590		21.34	
03	09-25-13 LCSD	1106072		14.95		963480		19.33		794713		21.33	
04	FM-1 MS	1196454		14.95		1045785		19.33		849405		21.33	
05	FM-1 MSD	1095890		14.96		953384		19.34		750428		21.33	
06	FM-1	1114546		14.95		891187		19.33		780781		21.33	
07	FM-2	1080093		14.95		754819		19.32		614919		21.32	
08	FM-3	1177914		14.95		845140		19.32		717504		21.32	
09	FM-4	1072717		14.95		764969		19.33		655082		21.33	
10	FM-5	1072211		14.95		701806		19.32		602412		21.33	
11	FM-6	1059069		14.95		693120		19.32		619700		21.33	
12	FM-7	1184069		14.95		723058		19.33		649584		21.33	
13	FM-8	1248720		14.95		789174		19.32		717535		21.33	
14	FM-9	1233085		14.96		759898		19.33		713202		21.33	
15	DUPLICATE	1241193		14.96		731541		19.33		694991		21.33	
16													
17													
18													
19													
20													
21													
22													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
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RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FM-1

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45197

Sample wt/vol: 15.10 (g/mL) g Lab File ID: 0926_08.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 5 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
62-75-9	N-Nitrosodimethylamine	240	U	98	240
108-95-2	Phenol	240	U	110	240
111-44-4	Bis(2-chloroethyl)ether	140	U	94	140
100-52-7	Benzaldehyde	240	U	100	240
95-57-8	2-Chlorophenol	240	U	99	240
95-48-7	2-Methylphenol (o-cresol)	240	U	160	240
39638-32-9	Bis(2-chloroisopropyl)ether	240	U	97	240
621-64-7	N-Nitrosodi-n-propylamine	140	U	110	140
HNX - M&P CRESOI	3&4-Methylphenol (m&p-cresol)	240	U	140	240
98-86-2	Acetophenone	240	U	110	240
67-72-1	Hexachloroethane	140	U	100	140
98-95-3	Nitrobenzene	140	U	120	140
78-59-1	Isophorone	140	U	98	140
88-75-5	2-Nitrophenol	240	U	220	240
105-67-9	2,4-Dimethylphenol	240	U	86	240
111-91-1	Bis(2-chloroethoxy)methane	240	U	96	240
120-83-2	2,4-Dichlorophenol	140	U	120	140
91-20-3	Naphthalene	240	U	100	240
106-47-8	4-Chloroaniline	700	U	160	700
87-68-3	Hexachlorobutadiene	240	U	130	240
59-50-7	4-Chloro-3-methylphenol	240	U	120	240
91-57-6	2-Methylnaphthalene	240	U	100	240
77-47-4	Hexachlorocyclopentadiene	240	U	110	240
95-94-3	1,2,4,5-Tetrachlorobenzene	240	U	120	240
88-06-2	2,4,6-Trichlorophenol	140	U	110	140
95-95-4	2,4,5-Trichlorophenol	240	U	190	240
91-58-7	2-Chloronaphthalene	240	U	99	240
100-01-6	4-Nitroaniline	1700	U	120	1700
131-11-3	Dimethylphthalate	240	U	110	240
606-20-2	2,6-Dinitrotoluene	140	U	110	140
208-96-8	Acenaphthylene	140	U	98	140
99-09-2	3-Nitroaniline	1700	U	760	1700
83-32-9	Acenaphthene	240	U	110	240
51-28-5	2,4-Dinitrophenol	240	U	240	240
105-60-2	Caprolactam	240	U	240	240
132-64-9	Dibenzofuran	240	U	100	240

FORM I SV

CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FM-1

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45197

Sample wt/vol: 15.10 (g/mL) g Lab File ID: 0926_08.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 5 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
121-14-2	2,4-Dinitrotoluene	140	U	140	140
100-02-7	4-Nitrophenol	1700	U	160	1700
84-66-2	Diethyl phthalate	240	U	110	240
86-73-7	Fluorene	240	U	120	240
7005-72-3	4-Chlorophenyl phenyl ether	240	U	120	240
88-74-4	2-Nitroaniline	1700	U	350	1700
534-52-1	4,6-Dinitro-2-methylphenol	240	U	240	240
86-30-6	N-Nitrosodiphenylamine	140	U	130	140
101-55-3	4-Bromophenyl phenyl ether	240	U	100	240
118-74-1	Hexachlorobenzene	140	U	100	140
1912-24-9	Atrazine	140	U	140	140
92-52-4	1,1-Biphenyl	240	U	110	240
87-86-5	Pentachlorophenol	240	U	130	240
85-01-8	Phenanthrene	140	U	100	140
120-12-7	Anthracene	240	U	110	240
86-74-8	Carbazole	1700	U	260	1700
84-74-2	Di-n-butylphthalate	240	U	93	240
206-44-0	Fluoranthene	240	U	110	240
129-00-0	Pyrene	240	U	120	240
85-68-7	Benzyl butyl phthalate	240	U	90	240
117-81-7	Bis(2-ethylhexyl)phthalate	240	U	100	240
56-55-3	Benz(a)anthracene	240	U	120	240
218-01-9	Chrysene	240	U	120	240
58-90-2	2,3,4,6-tetrachlorophenol	240	U	160	240
117-84-0	Di-n-octylphthalate	240	U	90	240
91-94-1	3,3'-dichlorobenzidine	140	U	140	140
205-99-2	Benzo(b)fluoranthene	240	U	120	240
207-08-9	Benzo(k)fluoranthene	240	U	120	240
50-32-8	Benzo(a)pyrene	140	U	110	140
193-39-5	Indeno(1,2,3-cd)pyrene	240	U	120	240
53-70-3	Dibenz(a,h)anthracene	140	U	110	140
191-24-2	Benzo(ghi)perylene	240	U	110	240

FORM I SV

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-1

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45197

Sample wt/vol: 15.1 (g/mL) g Lab File ID: 0926_08.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 5 decanted:(Y/N) NA Date Extracted: 09/26/13

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 9/26/2013

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.000	2200	JNA
000309-00-2	Aldrin-R	16.300	1400	JN
000060-57-1	Dieldrin	17.670	800	JN

FORM I SEMIVOA-TIC

Quantitation Report (QT/LSC Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_08.D Vial: 8
Acq On : 26 Sep 2013 11:57 am Operator:
Sample : BF45197 Inst : Instrumen
Misc : FM-1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:23:32 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Thu Sep 26 14:22:52 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	355500	40.00	ng	0.00
23) Naphthalene-d8	9.53	136	1164623	40.00	ng	0.00
41) Acenaphthene-d10	12.48	164	713526	40.00	ng	0.00
65) Phenanthrene-d10	14.95	188	1114546	40.00	ng	0.00
81) Chrysene-d12	19.33	240	891187	40.00	ng	0.00
88) Perylene-d12	21.33	264	780781	40.00	ng	0.00
System Monitoring Compounds						
5) % 2-Fluorophenol	5.44	112	683464	52.64	ng	0.03
Spiked Amount 75.000	Range 30 - 130		Recovery = 70.19%			
6) % Phenol-d5	6.80	99	960850	59.75	ng	0.01
Spiked Amount 75.000	Range 30 - 130		Recovery = 79.67%			
21) % Nitrobenzene-d5	8.32	82	577352	40.73	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 81.46%			
44) % 2-Fluorobiphenyl	11.33	172	1044959	43.50	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 87.00%			
66) % 2,4,6-Tribromophenol	13.78	62	133467	66.91	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 89.21%			
80) % Terphenyl-d14	17.57	244	825325	51.38	ng	0.00
Spiked Amount 50.000			Recovery = 102.76%			

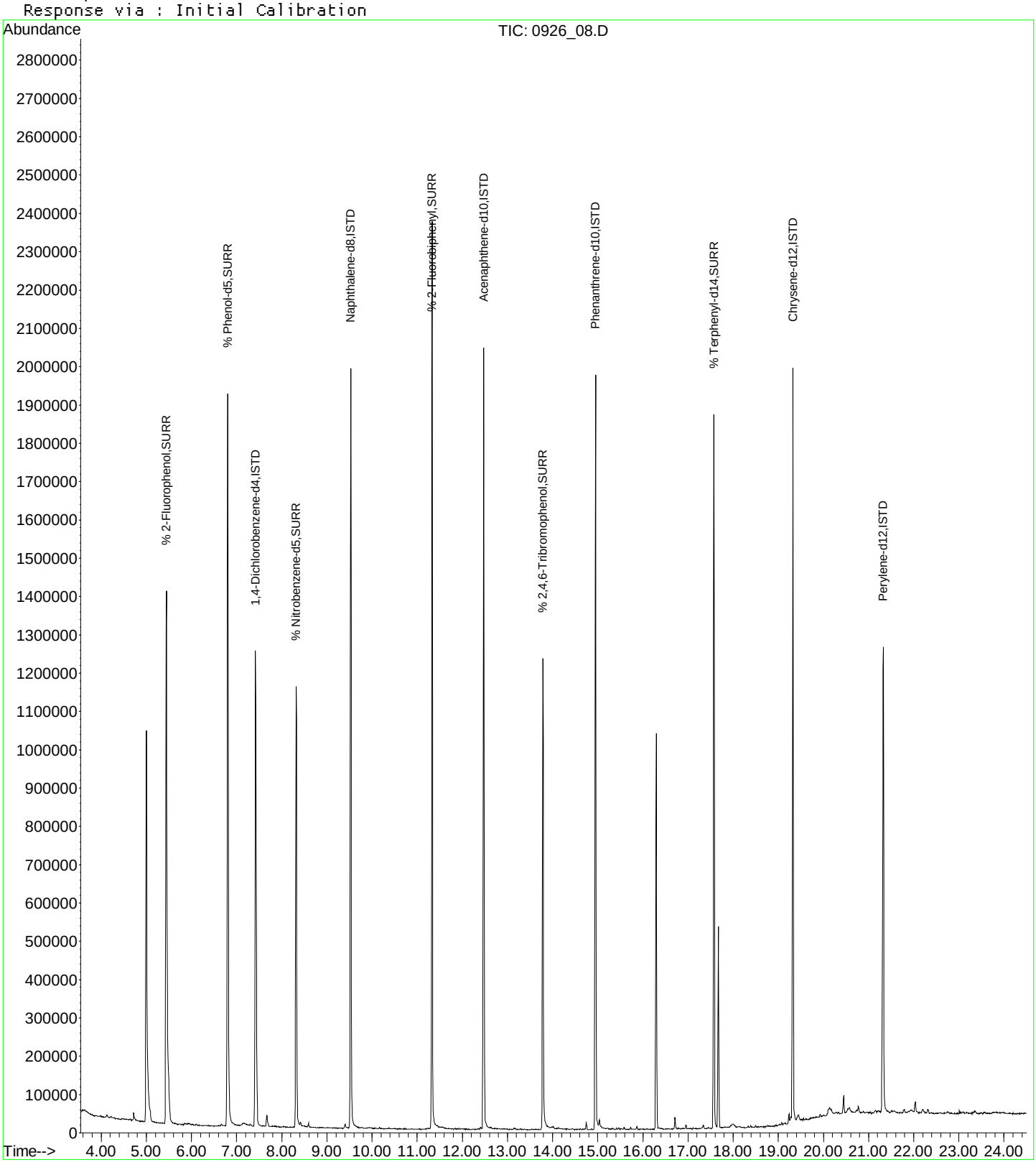
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT/LSC Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_08.D Vial: 8
Acq On : 26 Sep 2013 11:57 am Operator:
Sample : BF45197 Inst : Instrumen
Misc : FM-1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:23 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Oct 04 14:54:14 2013
Response via : Initial Calibration



CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FM-2

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45199

Sample wt/vol: 15.36 (g/mL) g Lab File ID: 0926_09.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 6 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
62-75-9	N-Nitrosodimethylamine	240	U	98	240
108-95-2	Phenol	240	U	110	240
111-44-4	Bis(2-chloroethyl)ether	140	U	94	140
100-52-7	Benzaldehyde	240	U	100	240
95-57-8	2-Chlorophenol	240	U	98	240
95-48-7	2-Methylphenol (o-cresol)	240	U	160	240
39638-32-9	Bis(2-chloroisopropyl)ether	240	U	96	240
621-64-7	N-Nitrosodi-n-propylamine	140	U	110	140
HNX - M&P CRESOI	3&4-Methylphenol (m&p-cresol)	240	U	140	240
98-86-2	Acetophenone	240	U	110	240
67-72-1	Hexachloroethane	140	U	100	140
98-95-3	Nitrobenzene	140	U	120	140
78-59-1	Isophorone	140	U	97	140
88-75-5	2-Nitrophenol	240	U	220	240
105-67-9	2,4-Dimethylphenol	240	U	86	240
111-91-1	Bis(2-chloroethoxy)methane	240	U	96	240
120-83-2	2,4-Dichlorophenol	140	U	120	140
91-20-3	Naphthalene	240	U	100	240
106-47-8	4-Chloroaniline	690	U	160	690
87-68-3	Hexachlorobutadiene	240	U	130	240
59-50-7	4-Chloro-3-methylphenol	240	U	120	240
91-57-6	2-Methylnaphthalene	240	U	100	240
77-47-4	Hexachlorocyclopentadiene	240	U	110	240
95-94-3	1,2,4,5-Tetrachlorobenzene	240	U	120	240
88-06-2	2,4,6-Trichlorophenol	140	U	110	140
95-95-4	2,4,5-Trichlorophenol	240	U	190	240
91-58-7	2-Chloronaphthalene	240	U	98	240
100-01-6	4-Nitroaniline	1700	U	120	1700
131-11-3	Dimethylphthalate	240	U	110	240
606-20-2	2,6-Dinitrotoluene	140	U	110	140
208-96-8	Acenaphthylene	140	U	97	140
99-09-2	3-Nitroaniline	1700	U	750	1700
83-32-9	Acenaphthene	240	U	110	240
51-28-5	2,4-Dinitrophenol	240	U	240	240
105-60-2	Caprolactam	240	U	240	240
132-64-9	Dibenzofuran	240	U	100	240

FORM I SV

CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FM-2

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45199

Sample wt/vol: 15.36 (g/mL) g Lab File ID: 0926_09.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 6 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
121-14-2	2,4-Dinitrotoluene	140	U	140	140
100-02-7	4-Nitrophenol	1700	U	160	1700
84-66-2	Diethyl phthalate	240	U	110	240
86-73-7	Fluorene	240	U	110	240
7005-72-3	4-Chlorophenyl phenyl ether	240	U	120	240
88-74-4	2-Nitroaniline	1700	U	350	1700
534-52-1	4,6-Dinitro-2-methylphenol	240	U	240	240
86-30-6	N-Nitrosodiphenylamine	140	U	130	140
101-55-3	4-Bromophenyl phenyl ether	240	U	100	240
118-74-1	Hexachlorobenzene	140	U	100	140
1912-24-9	Atrazine	140	U	140	140
92-52-4	1,1-Biphenyl	240	U	110	240
87-86-5	Pentachlorophenol	240	U	130	240
85-01-8	Phenanthrene	140	U	99	140
120-12-7	Anthracene	240	U	110	240
86-74-8	Carbazole	1700	U	260	1700
84-74-2	Di-n-butylphthalate	240	U	92	240
206-44-0	Fluoranthene	150	J	110	240
129-00-0	Pyrene	130	J	120	240
85-68-7	Benzyl butyl phthalate	240	U	89	240
117-81-7	Bis(2-ethylhexyl)phthalate	240	U	100	240
56-55-3	Benz(a)anthracene	240	U	120	240
218-01-9	Chrysene	240	U	120	240
58-90-2	2,3,4,6-tetrachlorophenol	240	U	160	240
117-84-0	Di-n-octylphthalate	240	U	89	240
91-94-1	3,3'-dichlorobenzidine	140	U	140	140
205-99-2	Benzo(b)fluoranthene	240	U	120	240
207-08-9	Benzo(k)fluoranthene	240	U	110	240
50-32-8	Benzo(a)pyrene	140	U	110	140
193-39-5	Indeno(1,2,3-cd)pyrene	240	U	110	240
53-70-3	Dibenz(a,h)anthracene	140	U	110	140
191-24-2	Benzo(ghi)perylene	240	U	110	240

FORM I SV

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-2

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45199

Sample wt/vol: 15.36 (g/mL) g Lab File ID: 0926_09.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 6 decanted:(Y/N) NA Date Extracted: 09/26/13

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 9/26/2013

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.000	2400	JNA

FORM I SEMIVOA-TIC

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_09.D Vial: 9
Acq On : 26 Sep 2013 12:27 pm Operator:
Sample : BF45199 Inst : Instrumen
Misc : FM-2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:23:33 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Thu Sep 26 14:22:52 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

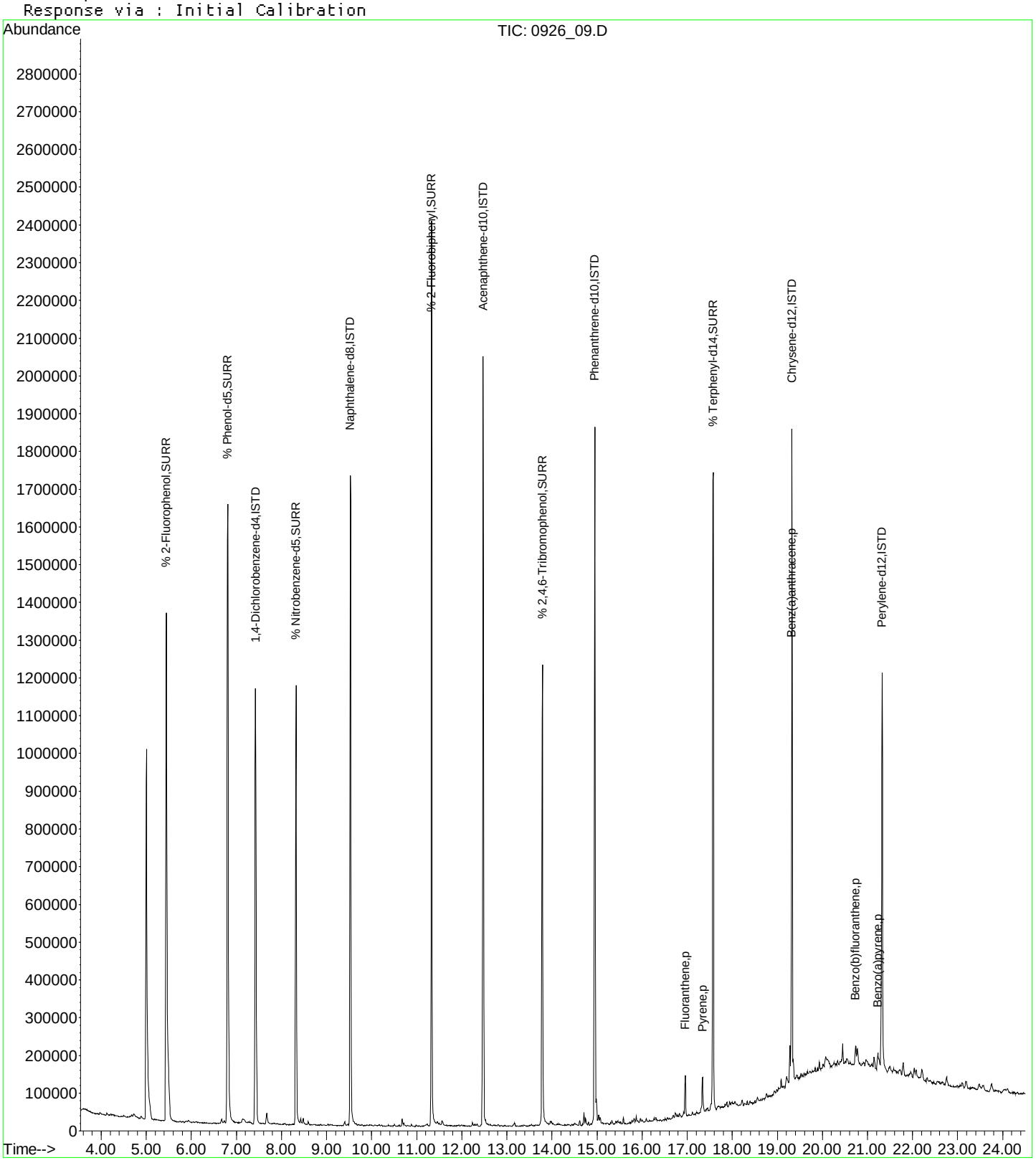
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	336348	40.00	ng	0.00
23) Naphthalene-d8	9.53	136	1087471	40.00	ng	0.00
41) Acenaphthene-d10	12.47	164	673579	40.00	ng	0.00
65) Phenanthrene-d10	14.95	188	1080093	40.00	ng	0.00
81) Chrysene-d12	19.32	240	754819	40.00	ng	0.00
88) Perylene-d12	21.32	264	614919	40.00	ng	0.00
System Monitoring Compounds						
5) % 2-Fluorophenol	5.44	112	671926	54.70	ng	0.02
Spiked Amount 75.000	Range 30 - 130		Recovery = 72.93%			
6) % Phenol-d5	6.81	99	952277	62.59	ng	0.02
Spiked Amount 75.000	Range 30 - 130		Recovery = 83.45%			
21) % Nitrobenzene-d5	8.32	82	570731	42.56	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 85.12%			
44) % 2-Fluorobiphenyl	11.33	172	1036572	45.71	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 91.42%			
66) % 2,4,6-Tribromophenol	13.78	62	136631	70.68	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 94.24%			
80) % Terphenyl-d14	17.58	244	828368	53.21	ng	0.00
Spiked Amount 50.000			Recovery = 106.42%			
Target Compounds						Qvalue
77) Fluoranthene	16.96	202	54806	2.11	ng	100
79) Pyrene	17.34	202	51757	1.93	ng	96
~~84) Benz(a)anthracene~~	~~19.31~~	~~228~~	~~23801~~	~~1.23 ng~~		~~83~~
~~89) Benzo(b)fluoranthene~~	~~20.74~~	~~252~~	~~27334m~~	~~1.65 ng~~		
~~91) Benzo(a)pyrene~~	~~21.23~~	~~252~~	~~18135~~	~~1.21 ng~~		~~96~~

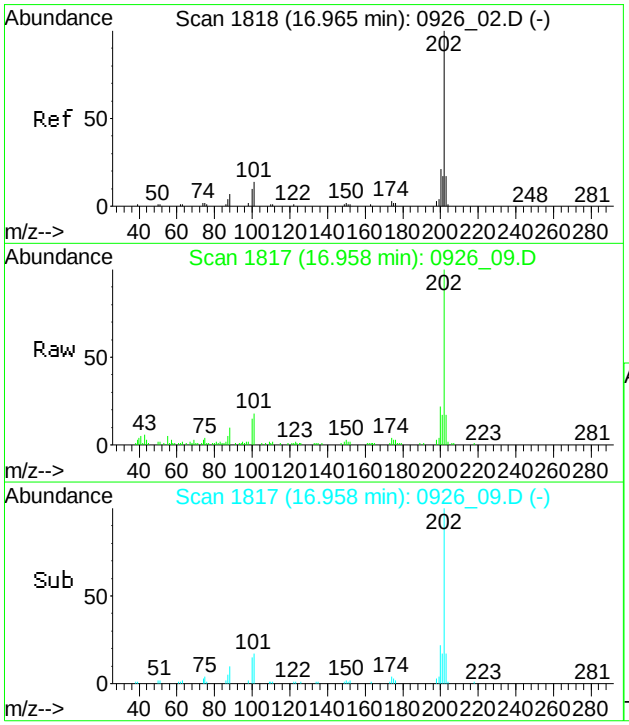
(#) = qualifier out of range (m) = manual integration JC 10/04/13
0926_09.D SV_0923.M Fri Oct 04 14:55:48 2013 Page 1

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_09.D Vial: 9
Acq On : 26 Sep 2013 12:27 pm Operator:
Sample : BF45199 Inst : Instrumen
Misc : FM-2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:24 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Oct 04 14:54:14 2013
Response via : Initial Calibration

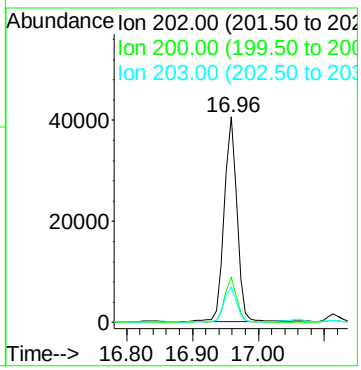


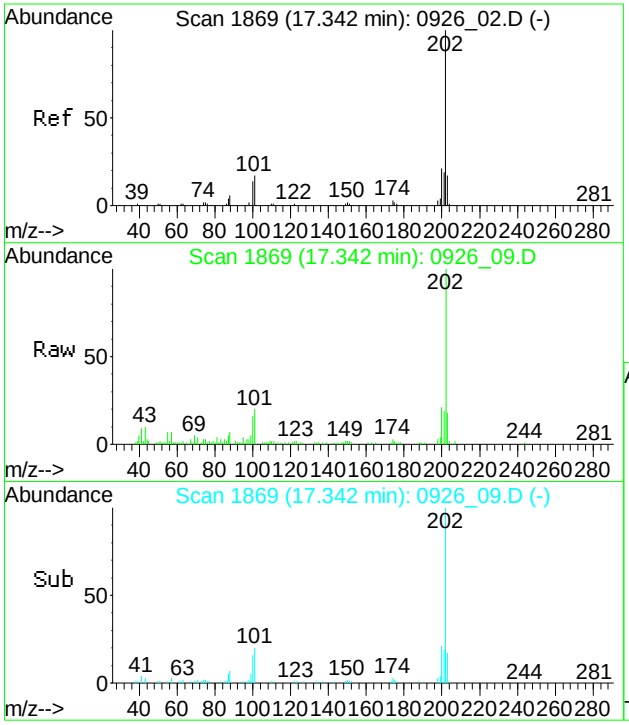


#77
Fluoranthene
Concen: 2.11 ng
RT: 16.96 min Scan# 1817
Delta R.T. -0.01 min
Lab File: 0926_09.D
Acq: 26 Sep 2013 12:27 pm

Tgt Ion:202 Resp: 54806

Ion	Ratio	Lower	Upper
202	100		
200	21.2	0.0	51.0
203	17.4	0.0	47.5

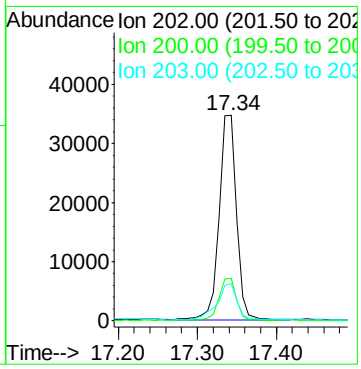


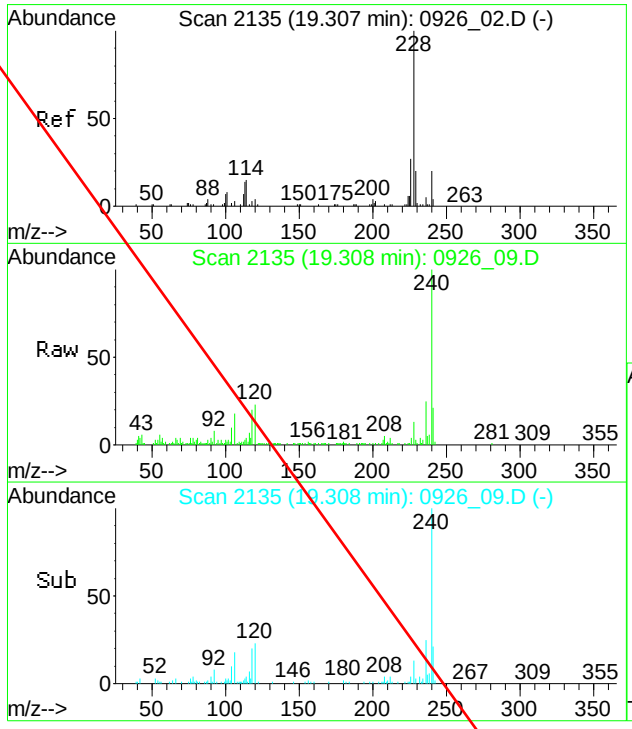


#79
Pyrene
Concen: 1.93 ng
RT: 17.34 min Scan# 1869
Delta R.T. 0.00 min
Lab File: 0926_09.D
Acq: 26 Sep 2013 12:27 pm

Tgt Ion:202 Resp: 51757

Ion	Ratio	Lower	Upper
202	100		
200	21.6	0.0	51.3
203	21.3	0.0	48.0

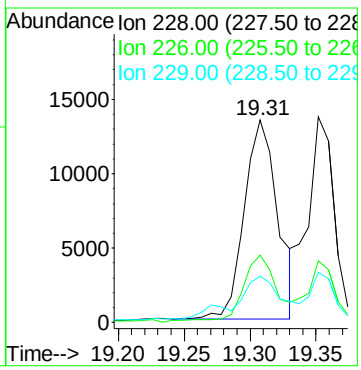


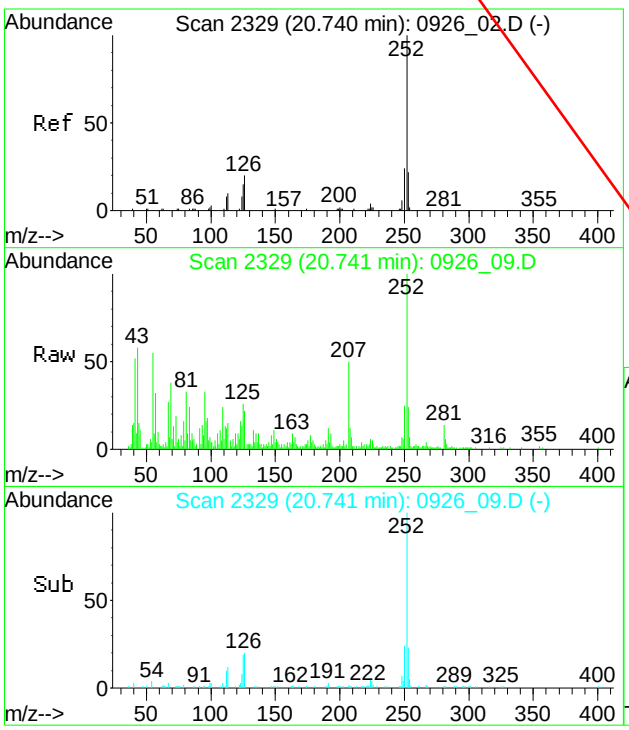


#84
Benz(a)anthracene
Concen: 1.23 ng
RT: 19.31 min Scan# 2135
Delta R.T. 0.00 min
Lab File: 0926_09.D
Acq: 26 Sep 2013 12:27 pm

Tgt Ion:228 Resp: 23801

Ion	Ratio	Lower	Upper
228	100		
226	34.1	0.0	57.2
229	30.6	0.0	50.1

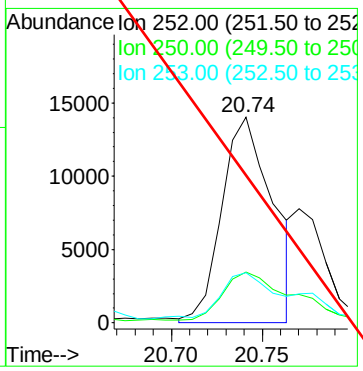


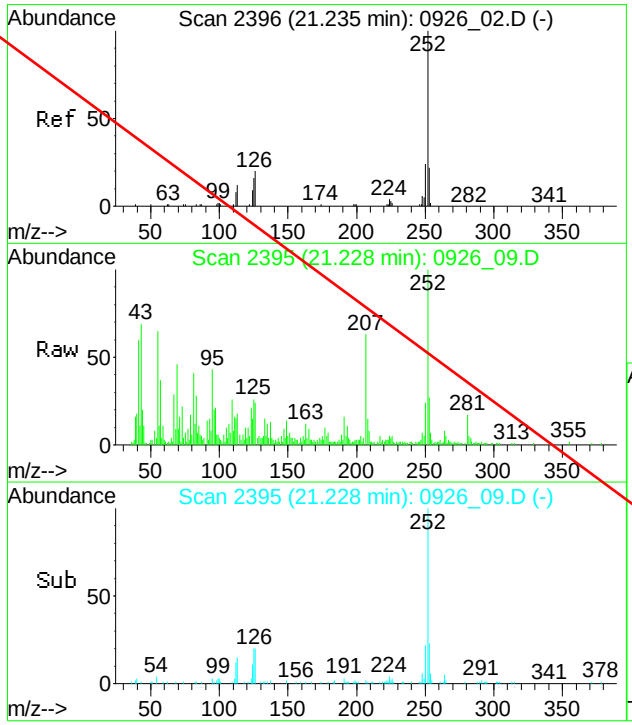


#89
Benzo(b)fluoranthene
Concen: 1.65 ng m
RT: 20.74 min Scan# 2329
Delta R.T. 0.00 min
Lab File: 0926_09.D
Acq: 26 Sep 2013 12:27 pm

Tgt Ion:252 Resp: 27334

Ion	Ratio	Lower	Upper
252	100		
250	32.3	0.0	53.9
253	32.7	0.0	52.1

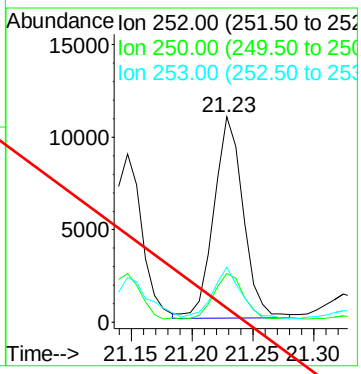




#91
Benzo(a)pyrene
Concen: 1.21 ng
RT: 21.23 min Scan# 2395
Delta R.T. -0.01 min
Lab File: 0926_09.D
Acq: 26 Sep 2013 12:27 pm

Tgt Ion:252 Resp: 18135

Ion	Ratio	Lower	Upper
252	100		
250	23.5	0.0	54.4
253	24.8	0.0	52.0



CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FM-3

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45201

Sample wt/vol: 15.23 (g/mL) g Lab File ID: 0926_10.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 5 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
62-75-9	N-Nitrosodimethylamine	240	U	97	240
108-95-2	Phenol	240	U	110	240
111-44-4	Bis(2-chloroethyl)ether	140	U	93	140
100-52-7	Benzaldehyde	240	U	100	240
95-57-8	2-Chlorophenol	240	U	98	240
95-48-7	2-Methylphenol (o-cresol)	240	U	160	240
39638-32-9	Bis(2-chloroisopropyl)ether	240	U	96	240
621-64-7	N-Nitrosodi-n-propylamine	140	U	110	140
HNX - M&P CRESOI	3&4-Methylphenol (m&p-cresol)	240	U	140	240
98-86-2	Acetophenone	240	U	110	240
67-72-1	Hexachloroethane	140	U	100	140
98-95-3	Nitrobenzene	140	U	120	140
78-59-1	Isophorone	140	U	97	140
88-75-5	2-Nitrophenol	240	U	220	240
105-67-9	2,4-Dimethylphenol	240	U	86	240
111-91-1	Bis(2-chloroethoxy)methane	240	U	95	240
120-83-2	2,4-Dichlorophenol	140	U	120	140
91-20-3	Naphthalene	240	U	100	240
106-47-8	4-Chloroaniline	690	U	160	690
87-68-3	Hexachlorobutadiene	240	U	130	240
59-50-7	4-Chloro-3-methylphenol	240	U	120	240
91-57-6	2-Methylnaphthalene	240	U	100	240
77-47-4	Hexachlorocyclopentadiene	240	U	110	240
95-94-3	1,2,4,5-Tetrachlorobenzene	240	U	120	240
88-06-2	2,4,6-Trichlorophenol	140	U	110	140
95-95-4	2,4,5-Trichlorophenol	240	U	190	240
91-58-7	2-Chloronaphthalene	240	U	98	240
100-01-6	4-Nitroaniline	1700	U	120	1700
131-11-3	Dimethylphthalate	240	U	110	240
606-20-2	2,6-Dinitrotoluene	140	U	110	140
208-96-8	Acenaphthylene	140	U	97	140
99-09-2	3-Nitroaniline	1700	U	750	1700
83-32-9	Acenaphthene	240	U	110	240
51-28-5	2,4-Dinitrophenol	240	U	240	240
105-60-2	Caprolactam	240	U	240	240
132-64-9	Dibenzofuran	240	U	100	240

FORM I SV

CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FM-3

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45201

Sample wt/vol: 15.23 (g/mL) g Lab File ID: 0926_10.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 5 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
121-14-2	2,4-Dinitrotoluene	140	U	140	140
100-02-7	4-Nitrophenol	1700	U	160	1700
84-66-2	Diethyl phthalate	240	U	110	240
86-73-7	Fluorene	240	U	110	240
7005-72-3	4-Chlorophenyl phenyl ether	240	U	120	240
88-74-4	2-Nitroaniline	1700	U	350	1700
534-52-1	4,6-Dinitro-2-methylphenol	240	U	240	240
86-30-6	N-Nitrosodiphenylamine	140	U	130	140
101-55-3	4-Bromophenyl phenyl ether	240	U	100	240
118-74-1	Hexachlorobenzene	140	U	100	140
1912-24-9	Atrazine	140	U	140	140
92-52-4	1,1-Biphenyl	240	U	110	240
87-86-5	Pentachlorophenol	240	U	130	240
85-01-8	Phenanthrene	140	U	99	140
120-12-7	Anthracene	240	U	110	240
86-74-8	Carbazole	1700	U	260	1700
84-74-2	Di-n-butylphthalate	240	U	92	240
206-44-0	Fluoranthene	240	U	110	240
129-00-0	Pyrene	240	U	120	240
85-68-7	Benzyl butyl phthalate	240	U	89	240
117-81-7	Bis(2-ethylhexyl)phthalate	240	U	100	240
56-55-3	Benz(a)anthracene	240	U	120	240
218-01-9	Chrysene	240	U	120	240
58-90-2	2,3,4,6-tetrachlorophenol	240	U	160	240
117-84-0	Di-n-octylphthalate	240	U	89	240
91-94-1	3,3'-dichlorobenzidine	140	U	140	140
205-99-2	Benzo(b)fluoranthene	240	U	120	240
207-08-9	Benzo(k)fluoranthene	240	U	110	240
50-32-8	Benzo(a)pyrene	140	U	110	140
193-39-5	Indeno(1,2,3-cd)pyrene	240	U	110	240
53-70-3	Dibenz(a,h)anthracene	140	U	110	140
191-24-2	Benzo(ghi)perylene	240	U	110	240

FORM I SV

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-3

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45201

Sample wt/vol: 15.23 (g/mL) g Lab File ID: 0926_10.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 5 decanted:(Y/N) NA Date Extracted: 09/26/13

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 9/26/2013

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
003142-66-3	3-Hydroxy-2-pentanone	5.000	2000	JN

FORM I SEMIVOA-TIC

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_10.D Vial: 10
Acq On : 26 Sep 2013 12:56 pm Operator:
Sample : BF45201 Inst : Instrumen
Misc : FM-3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:23:34 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Thu Sep 26 14:22:52 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	375104	40.00	ng	0.00
23) Naphthalene-d8	9.53	136	1208466	40.00	ng	0.00
41) Acenaphthene-d10	12.47	164	745921	40.00	ng	0.00
65) Phenanthrene-d10	14.95	188	1177914	40.00	ng	0.00
81) Chrysene-d12	19.32	240	845140	40.00	ng	0.00
88) Perylene-d12	21.32	264	717504	40.00	ng	0.00
System Monitoring Compounds						
5) % 2-Fluorophenol	5.44	112	718214	52.43	ng	0.02
Spiked Amount 75.000	Range 30 - 130		Recovery = 69.91%			
6) % Phenol-d5	6.80	99	1023211	60.30	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 80.40%			
21) % Nitrobenzene-d5	8.32	82	614297	41.07	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 82.14%			
44) % 2-Fluorobiphenyl	11.33	172	1113606	44.34	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 88.68%			
66) % 2,4,6-Tribromophenol	13.78	62	142772	67.72	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 90.29%			
80) % Terphenyl-d14	17.58	244	909752	53.59	ng	0.00
Spiked Amount 50.000			Recovery = 107.18%			

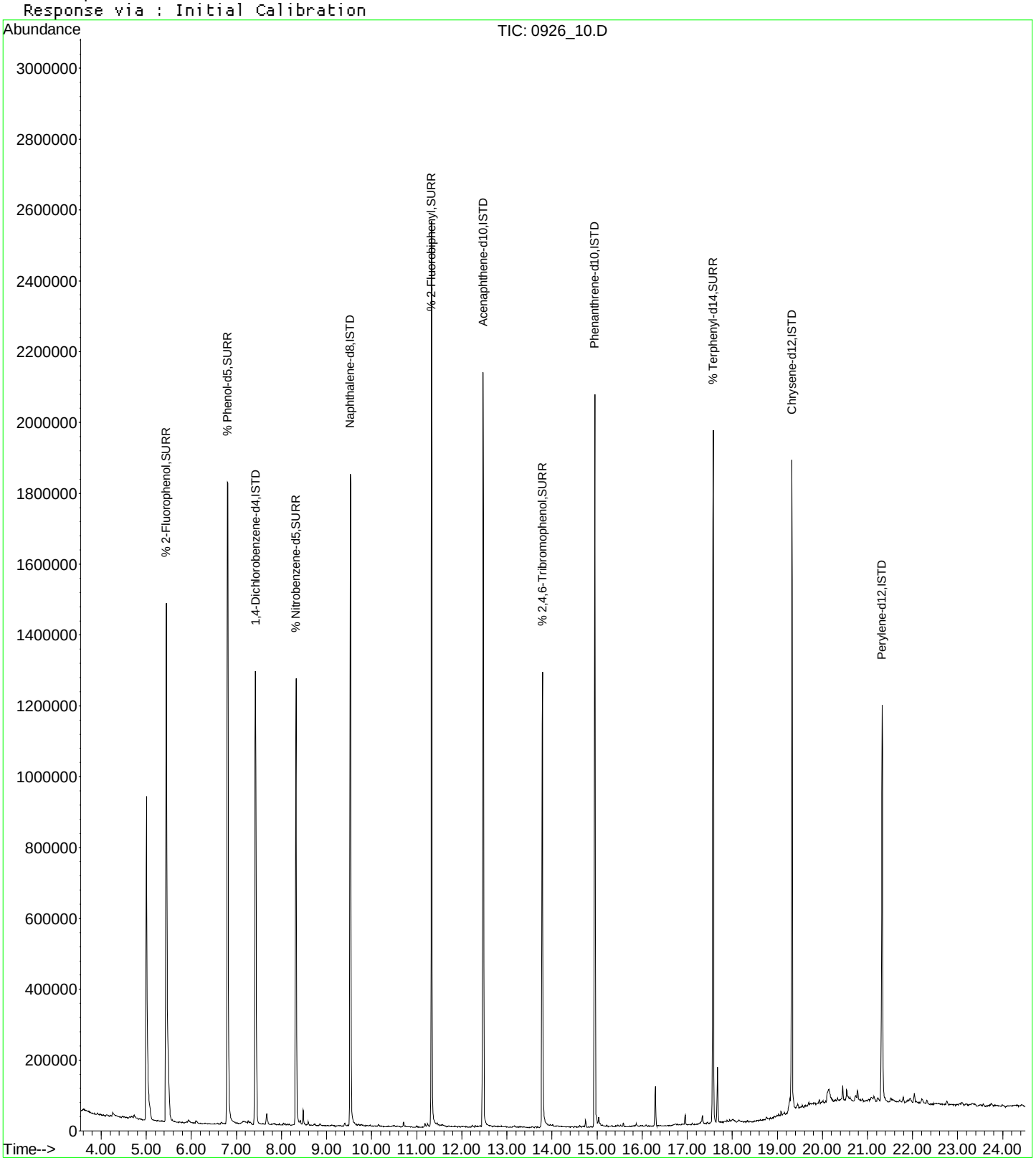
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
0926_10.D SV_0923.M Fri Oct 04 14:56:03 2013 Page 1

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_10.D Vial: 10
Acq On : 26 Sep 2013 12:56 pm Operator:
Sample : BF45201 Inst : Instrumen
Misc : FM-3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:23 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Oct 04 14:54:14 2013
Response via : Initial Calibration



CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FM-4

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45203

Sample wt/vol: 15.30 (g/mL) g Lab File ID: 0926_11.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 2 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
62-75-9	N-Nitrosodimethylamine	230	U	94	230
108-95-2	Phenol	230	U	110	230
111-44-4	Bis(2-chloroethyl)ether	130	U	90	130
100-52-7	Benzaldehyde	230	U	99	230
95-57-8	2-Chlorophenol	230	U	95	230
95-48-7	2-Methylphenol (o-cresol)	230	U	160	230
39638-32-9	Bis(2-chloroisopropyl)ether	230	U	93	230
621-64-7	N-Nitrosodi-n-propylamine	130	U	110	130
HNX - M&P CRESOI	3&4-Methylphenol (m&p-cresol)	230	U	130	230
98-86-2	Acetophenone	230	U	100	230
67-72-1	Hexachloroethane	130	U	100	130
98-95-3	Nitrobenzene	130	U	120	130
78-59-1	Isophorone	130	U	93	130
88-75-5	2-Nitrophenol	230	U	210	230
105-67-9	2,4-Dimethylphenol	230	U	83	230
111-91-1	Bis(2-chloroethoxy)methane	230	U	92	230
120-83-2	2,4-Dichlorophenol	130	U	120	130
91-20-3	Naphthalene	230	U	96	230
106-47-8	4-Chloroaniline	670	U	160	670
87-68-3	Hexachlorobutadiene	230	U	120	230
59-50-7	4-Chloro-3-methylphenol	230	U	120	230
91-57-6	2-Methylnaphthalene	230	U	99	230
77-47-4	Hexachlorocyclopentadiene	230	U	100	230
95-94-3	1,2,4,5-Tetrachlorobenzene	230	U	120	230
88-06-2	2,4,6-Trichlorophenol	130	U	110	130
95-95-4	2,4,5-Trichlorophenol	230	U	180	230
91-58-7	2-Chloronaphthalene	230	U	95	230
100-01-6	4-Nitroaniline	1700	U	110	1700
131-11-3	Dimethylphthalate	230	U	100	230
606-20-2	2,6-Dinitrotoluene	130	U	110	130
208-96-8	Acenaphthylene	130	U	93	130
99-09-2	3-Nitroaniline	1700	U	730	1700
83-32-9	Acenaphthene	230	U	100	230
51-28-5	2,4-Dinitrophenol	230	U	230	230
105-60-2	Caprolactam	230	U	230	230
132-64-9	Dibenzofuran	230	U	97	230

FORM I SV

CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FM-4

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45203

Sample wt/vol: 15.30 (g/mL) g Lab File ID: 0926_11.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 2 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
121-14-2	2,4-Dinitrotoluene	130	U	130	130
100-02-7	4-Nitrophenol	1700	U	150	1700
84-66-2	Diethyl phthalate	230	U	110	230
86-73-7	Fluorene	230	U	110	230
7005-72-3	4-Chlorophenyl phenyl ether	230	U	110	230
88-74-4	2-Nitroaniline	1700	U	340	1700
534-52-1	4,6-Dinitro-2-methylphenol	230	U	230	230
86-30-6	N-Nitrosodiphenylamine	130	U	130	130
101-55-3	4-Bromophenyl phenyl ether	230	U	98	230
118-74-1	Hexachlorobenzene	130	U	97	130
1912-24-9	Atrazine	130	U	130	130
92-52-4	1,1-Biphenyl	230	U	100	230
87-86-5	Pentachlorophenol	230	U	130	230
85-01-8	Phenanthrene	130	U	95	130
120-12-7	Anthracene	230	U	110	230
86-74-8	Carbazole	1700	U	250	1700
84-74-2	Di-n-butylphthalate	230	U	89	230
206-44-0	Fluoranthene	230	U	110	230
129-00-0	Pyrene	230	U	110	230
85-68-7	Benzyl butyl phthalate	230	U	86	230
117-81-7	Bis(2-ethylhexyl)phthalate	230	U	96	230
56-55-3	Benz(a)anthracene	230	U	110	230
218-01-9	Chrysene	230	U	110	230
58-90-2	2,3,4,6-tetrachlorophenol	230	U	160	230
117-84-0	Di-n-octylphthalate	230	U	86	230
91-94-1	3,3'-dichlorobenzidine	130	U	130	130
205-99-2	Benzo(b)fluoranthene	230	U	110	230
207-08-9	Benzo(k)fluoranthene	230	U	110	230
50-32-8	Benzo(a)pyrene	130	U	110	130
193-39-5	Indeno(1,2,3-cd)pyrene	230	U	110	230
53-70-3	Dibenz(a,h)anthracene	130	U	110	130
191-24-2	Benzo(ghi)perylene	230	U	110	230

FORM I SV

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-4

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45203

Sample wt/vol: 15.3 (g/mL) g Lab File ID: 0926_11.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 2 decanted:(Y/N) NA Date Extracted: 09/26/13

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 9/26/2013

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.000	1200	JNA
	unknown	14.760	400	JN

FORM I SEMIVOA-TIC

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_11.D Vial: 11
Acq On : 26 Sep 2013 1:26 pm Operator:
Sample : BF45203 Inst : Instrumen
Misc : FM-4 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:23:34 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Thu Sep 26 14:22:52 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	350828	40.00	ng	0.00
23) Naphthalene-d8	9.53	136	1142984	40.00	ng	0.00
41) Acenaphthene-d10	12.47	164	691993	40.00	ng	0.00
65) Phenanthrene-d10	14.95	188	1072717	40.00	ng	0.00
81) Chrysene-d12	19.33	240	764969	40.00	ng	0.00
88) Perylene-d12	21.33	264	655082	40.00	ng	0.00
System Monitoring Compounds						
5) % 2-Fluorophenol	5.44	112	671692	52.42	ng	0.02
Spiked Amount 75.000	Range 30 - 130		Recovery = 69.89%			
6) % Phenol-d5	6.80	99	953411	60.08	ng	0.01
Spiked Amount 75.000	Range 30 - 130		Recovery = 80.11%			
21) % Nitrobenzene-d5	8.32	82	571219	40.84	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 81.68%			
44) % 2-Fluorobiphenyl	11.33	172	1036174	44.47	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 88.94%			
66) % 2,4,6-Tribromophenol	13.79	62	127326	66.32	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 88.43%			
80) % Terphenyl-d14	17.58	244	799673	51.72	ng	0.00
Spiked Amount 50.000			Recovery = 103.44%			

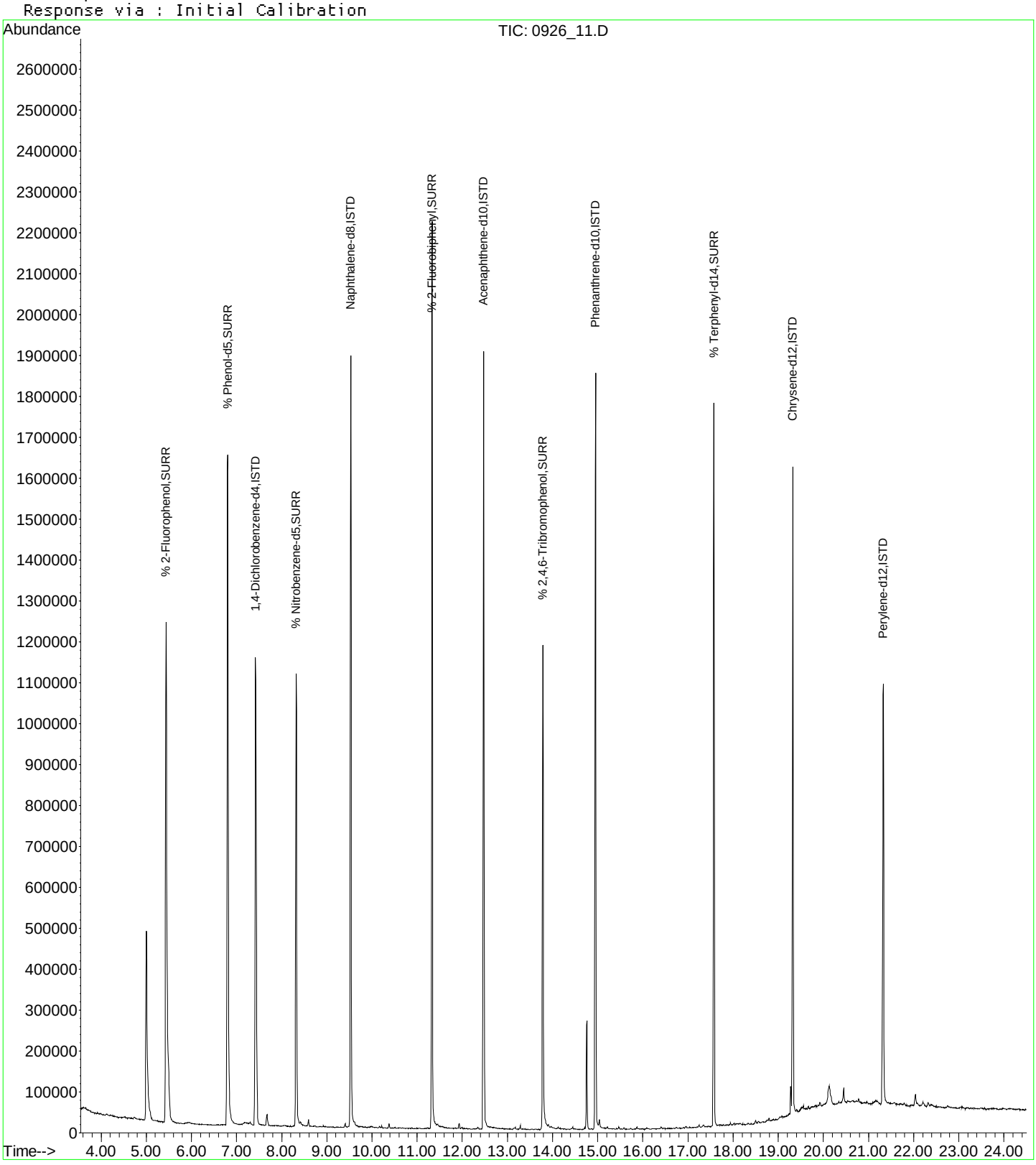
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_11.D Vial: 11
Acq On : 26 Sep 2013 1:26 pm Operator:
Sample : BF45203 Inst : Instrumen
Misc : FM-4 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:23 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Oct 04 14:54:14 2013
Response via : Initial Calibration



CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FM-5

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45205

Sample wt/vol: 15.28 (g/mL) g Lab File ID: 0926_12.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 5 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
62-75-9	N-Nitrosodimethylamine	240	U	97	240
108-95-2	Phenol	240	U	110	240
111-44-4	Bis(2-chloroethyl)ether	140	U	93	140
100-52-7	Benzaldehyde	240	U	100	240
95-57-8	2-Chlorophenol	240	U	98	240
95-48-7	2-Methylphenol (o-cresol)	240	U	160	240
39638-32-9	Bis(2-chloroisopropyl)ether	240	U	96	240
621-64-7	N-Nitrosodi-n-propylamine	140	U	110	140
HNX - M&P CRESOI	3&4-Methylphenol (m&p-cresol)	240	U	140	240
98-86-2	Acetophenone	240	U	110	240
67-72-1	Hexachloroethane	140	U	100	140
98-95-3	Nitrobenzene	140	U	120	140
78-59-1	Isophorone	140	U	96	140
88-75-5	2-Nitrophenol	240	U	220	240
105-67-9	2,4-Dimethylphenol	240	U	85	240
111-91-1	Bis(2-chloroethoxy)methane	240	U	95	240
120-83-2	2,4-Dichlorophenol	140	U	120	140
91-20-3	Naphthalene	240	U	99	240
106-47-8	4-Chloroaniline	690	U	160	690
87-68-3	Hexachlorobutadiene	240	U	120	240
59-50-7	4-Chloro-3-methylphenol	240	U	120	240
91-57-6	2-Methylnaphthalene	240	U	100	240
77-47-4	Hexachlorocyclopentadiene	240	U	110	240
95-94-3	1,2,4,5-Tetrachlorobenzene	240	U	120	240
88-06-2	2,4,6-Trichlorophenol	140	U	110	140
95-95-4	2,4,5-Trichlorophenol	240	U	190	240
91-58-7	2-Chloronaphthalene	240	U	98	240
100-01-6	4-Nitroaniline	1700	U	120	1700
131-11-3	Dimethylphthalate	240	U	110	240
606-20-2	2,6-Dinitrotoluene	140	U	110	140
208-96-8	Acenaphthylene	140	U	96	140
99-09-2	3-Nitroaniline	1700	U	750	1700
83-32-9	Acenaphthene	240	U	100	240
51-28-5	2,4-Dinitrophenol	240	U	240	240
105-60-2	Caprolactam	240	U	240	240
132-64-9	Dibenzofuran	240	U	100	240

FORM I SV

CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FM-5

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45205

Sample wt/vol: 15.28 (g/mL) g Lab File ID: 0926_12.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 5 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
121-14-2	2,4-Dinitrotoluene	140	U	140	140
100-02-7	4-Nitrophenol	1700	U	160	1700
84-66-2	Diethyl phthalate	240	U	110	240
86-73-7	Fluorene	240	U	110	240
7005-72-3	4-Chlorophenyl phenyl ether	240	U	120	240
88-74-4	2-Nitroaniline	1700	U	350	1700
534-52-1	4,6-Dinitro-2-methylphenol	240	U	240	240
86-30-6	N-Nitrosodiphenylamine	140	U	130	140
101-55-3	4-Bromophenyl phenyl ether	240	U	100	240
118-74-1	Hexachlorobenzene	140	U	100	140
1912-24-9	Atrazine	140	U	140	140
92-52-4	1,1-Biphenyl	240	U	110	240
87-86-5	Pentachlorophenol	240	U	130	240
85-01-8	Phenanthrene	140	U	99	140
120-12-7	Anthracene	240	U	110	240
86-74-8	Carbazole	1700	U	260	1700
84-74-2	Di-n-butylphthalate	240	U	92	240
206-44-0	Fluoranthene	240	U	110	240
129-00-0	Pyrene	240	U	120	240
85-68-7	Benzyl butyl phthalate	240	U	89	240
117-81-7	Bis(2-ethylhexyl)phthalate	240	U	99	240
56-55-3	Benz(a)anthracene	240	U	120	240
218-01-9	Chrysene	240	U	120	240
58-90-2	2,3,4,6-tetrachlorophenol	240	U	160	240
117-84-0	Di-n-octylphthalate	240	U	89	240
91-94-1	3,3'-dichlorobenzidine	140	U	140	140
205-99-2	Benzo(b)fluoranthene	240	U	120	240
207-08-9	Benzo(k)fluoranthene	240	U	110	240
50-32-8	Benzo(a)pyrene	140	U	110	140
193-39-5	Indeno(1,2,3-cd)pyrene	240	U	110	240
53-70-3	Dibenz(a,h)anthracene	140	U	110	140
191-24-2	Benzo(ghi)perylene	240	U	110	240

FORM I SV

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-5

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45205

Sample wt/vol: 15.28 (g/mL) g Lab File ID: 0926_12.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 5 decanted:(Y/N) NA Date Extracted: 09/26/13

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 9/26/2013

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.010	2400	JNA

FORM I SEMIVOA-TIC

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_12.D Vial: 12
Acq On : 26 Sep 2013 1:56 pm Operator:
Sample : BF45205 Inst : Instrumen
Misc : FM-5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:23:35 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Thu Sep 26 14:22:52 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	334282	40.00	ng	0.00
23) Naphthalene-d8	9.53	136	1083326	40.00	ng	0.00
41) Acenaphthene-d10	12.47	164	662168	40.00	ng	0.00
65) Phenanthrene-d10	14.95	188	1072211	40.00	ng	0.00
81) Chrysene-d12	19.32	240	701806	40.00	ng	0.00
88) Perylene-d12	21.33	264	602412	40.00	ng	0.00
System Monitoring Compounds						
5) % 2-Fluorophenol	5.44	112	504116	41.29	ng	0.02
Spiked Amount 75.000	Range 30 - 130		Recovery = 55.05%			
6) % Phenol-d5	6.80	99	707556	46.79	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 62.39%			
21) % Nitrobenzene-d5	8.32	82	412684	30.96	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 61.92%			
44) % 2-Fluorobiphenyl	11.33	172	764522	34.29	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 68.58%			
66) % 2,4,6-Tribromophenol	13.78	62	94240	49.11	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 65.48%			
80) % Terphenyl-d14	17.57	244	589031	38.12	ng	0.00
Spiked Amount 50.000			Recovery = 76.24%			

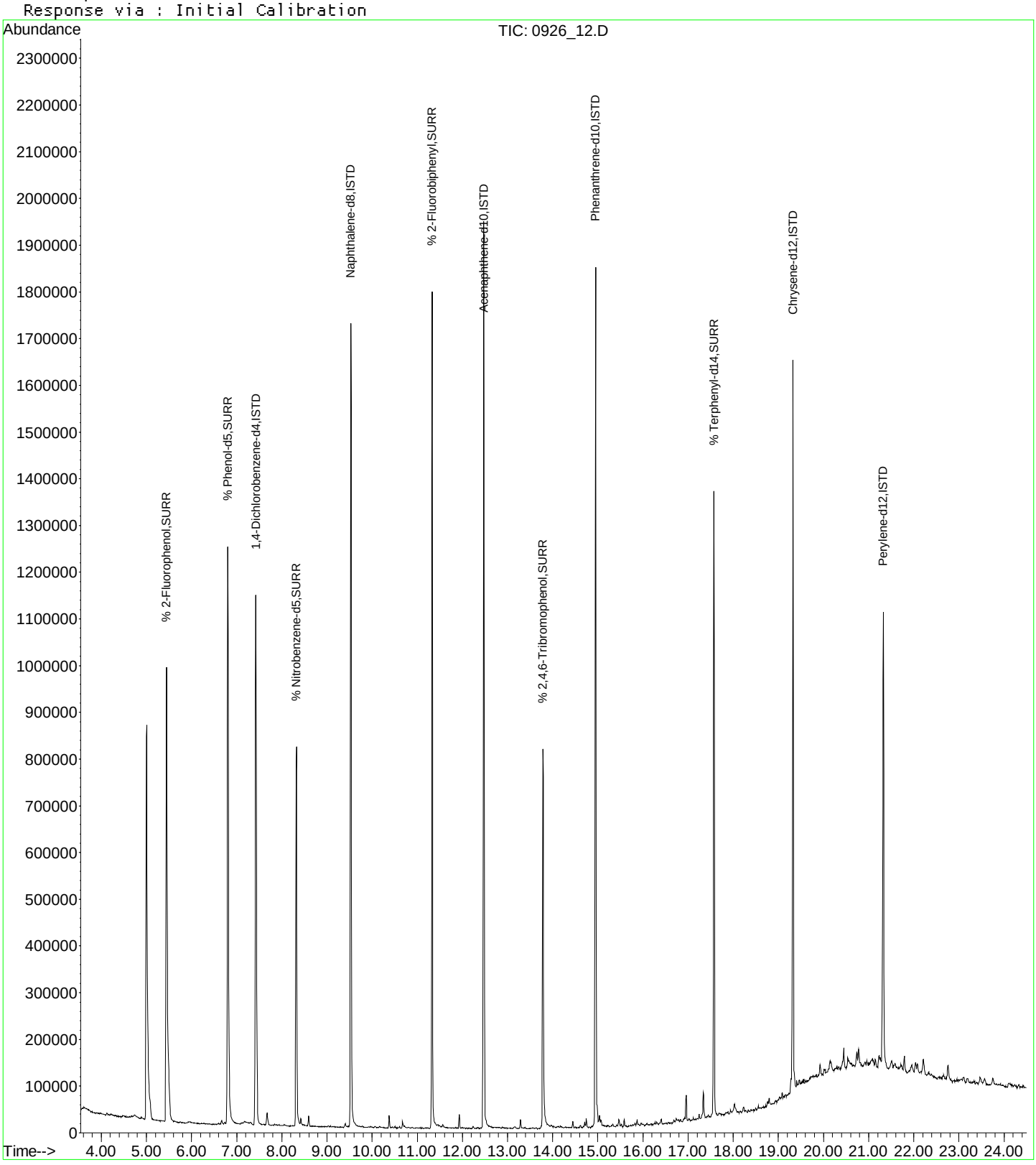
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_12.D Vial: 12
Acq On : 26 Sep 2013 1:56 pm Operator:
Sample : BF45205 Inst : Instrumen
Misc : FM-5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:25 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Oct 04 14:54:14 2013
Response via : Initial Calibration



CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FM-6

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45207

Sample wt/vol: 15.10 (g/mL) g Lab File ID: 0926_13.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 4 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
62-75-9	N-Nitrosodimethylamine	240	U	97	240
108-95-2	Phenol	240	U	110	240
111-44-4	Bis(2-chloroethyl)ether	140	U	93	140
100-52-7	Benzaldehyde	240	U	100	240
95-57-8	2-Chlorophenol	240	U	98	240
95-48-7	2-Methylphenol (o-cresol)	240	U	160	240
39638-32-9	Bis(2-chloroisopropyl)ether	240	U	96	240
621-64-7	N-Nitrosodi-n-propylamine	140	U	110	140
HNX - M&P CRESOI	3&4-Methylphenol (m&p-cresol)	240	U	140	240
98-86-2	Acetophenone	240	U	110	240
67-72-1	Hexachloroethane	140	U	100	140
98-95-3	Nitrobenzene	140	U	120	140
78-59-1	Isophorone	140	U	97	140
88-75-5	2-Nitrophenol	240	U	220	240
105-67-9	2,4-Dimethylphenol	240	U	86	240
111-91-1	Bis(2-chloroethoxy)methane	240	U	95	240
120-83-2	2,4-Dichlorophenol	140	U	120	140
91-20-3	Naphthalene	240	U	99	240
106-47-8	4-Chloroaniline	690	U	160	690
87-68-3	Hexachlorobutadiene	240	U	120	240
59-50-7	4-Chloro-3-methylphenol	240	U	120	240
91-57-6	2-Methylnaphthalene	240	U	100	240
77-47-4	Hexachlorocyclopentadiene	240	U	110	240
95-94-3	1,2,4,5-Tetrachlorobenzene	240	U	120	240
88-06-2	2,4,6-Trichlorophenol	140	U	110	140
95-95-4	2,4,5-Trichlorophenol	240	U	190	240
91-58-7	2-Chloronaphthalene	240	U	98	240
100-01-6	4-Nitroaniline	1700	U	120	1700
131-11-3	Dimethylphthalate	240	U	110	240
606-20-2	2,6-Dinitrotoluene	140	U	110	140
208-96-8	Acenaphthylene	140	U	97	140
99-09-2	3-Nitroaniline	1700	U	750	1700
83-32-9	Acenaphthene	240	U	100	240
51-28-5	2,4-Dinitrophenol	240	U	240	240
105-60-2	Caprolactam	240	U	240	240
132-64-9	Dibenzofuran	240	U	100	240

FORM I SV

CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FM-6

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45207

Sample wt/vol: 15.10 (g/mL) g Lab File ID: 0926_13.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 4 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
121-14-2	2,4-Dinitrotoluene	140	U	140	140
100-02-7	4-Nitrophenol	1700	U	160	1700
84-66-2	Diethyl phthalate	240	U	110	240
86-73-7	Fluorene	240	U	110	240
7005-72-3	4-Chlorophenyl phenyl ether	240	U	120	240
88-74-4	2-Nitroaniline	1700	U	350	1700
534-52-1	4,6-Dinitro-2-methylphenol	240	U	240	240
86-30-6	N-Nitrosodiphenylamine	140	U	130	140
101-55-3	4-Bromophenyl phenyl ether	240	U	100	240
118-74-1	Hexachlorobenzene	140	U	100	140
1912-24-9	Atrazine	140	U	140	140
92-52-4	1,1-Biphenyl	240	U	110	240
87-86-5	Pentachlorophenol	240	U	130	240
85-01-8	Phenanthrene	140	U	99	140
120-12-7	Anthracene	240	U	110	240
86-74-8	Carbazole	1700	U	260	1700
84-74-2	Di-n-butylphthalate	240	U	92	240
206-44-0	Fluoranthene	240	U	110	240
129-00-0	Pyrene	240	U	120	240
85-68-7	Benzyl butyl phthalate	240	U	89	240
117-81-7	Bis(2-ethylhexyl)phthalate	240	U	99	240
56-55-3	Benz(a)anthracene	240	U	120	240
218-01-9	Chrysene	240	U	120	240
58-90-2	2,3,4,6-tetrachlorophenol	240	U	160	240
117-84-0	Di-n-octylphthalate	240	U	89	240
91-94-1	3,3'-dichlorobenzidine	140	U	140	140
205-99-2	Benzo(b)fluoranthene	240	U	120	240
207-08-9	Benzo(k)fluoranthene	240	U	110	240
50-32-8	Benzo(a)pyrene	140	U	110	140
193-39-5	Indeno(1,2,3-cd)pyrene	240	U	110	240
53-70-3	Dibenz(a,h)anthracene	140	U	110	140
191-24-2	Benzo(ghi)perylene	240	U	110	240

FORM I SV

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-6

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45207

Sample wt/vol: 15.1 (g/mL) g Lab File ID: 0926_13.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 4 decanted:(Y/N) NA Date Extracted: 09/26/13

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 9/26/2013

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.000	2000	JNA

FORM I SEMIVOA-TIC

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_13.D Vial: 13
Acq On : 26 Sep 2013 2:26 pm Operator:
Sample : BF45207 Inst : Instrumen
Misc : FM-6 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 15:04:55 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Thu Sep 26 14:22:52 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	325758	40.00	ng	0.00
23) Naphthalene-d8	9.53	136	1048044	40.00	ng	0.00
41) Acenaphthene-d10	12.48	164	646606	40.00	ng	0.00
65) Phenanthrene-d10	14.95	188	1059069	40.00	ng	0.00
81) Chrysene-d12	19.32	240	693120	40.00	ng	0.00
88) Perylene-d12	21.33	264	619700	40.00	ng	0.00
System Monitoring Compounds						
5) % 2-Fluorophenol	5.44	112	622995	52.36	ng	0.02
Spiked Amount 75.000	Range 30 - 130		Recovery = 69.81%			
6) % Phenol-d5	6.80	99	871679	59.15	ng	0.01
Spiked Amount 75.000	Range 30 - 130		Recovery = 78.87%			
21) % Nitrobenzene-d5	8.32	82	515609	39.70	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 79.40%			
44) % 2-Fluorobiphenyl	11.33	172	998661	45.87	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 91.74%			
66) % 2,4,6-Tribromophenol	13.78	62	123295	65.05	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 86.73%			
80) % Terphenyl-d14	17.57	244	797400	52.24	ng	0.00
Spiked Amount 50.000			Recovery = 104.48%			

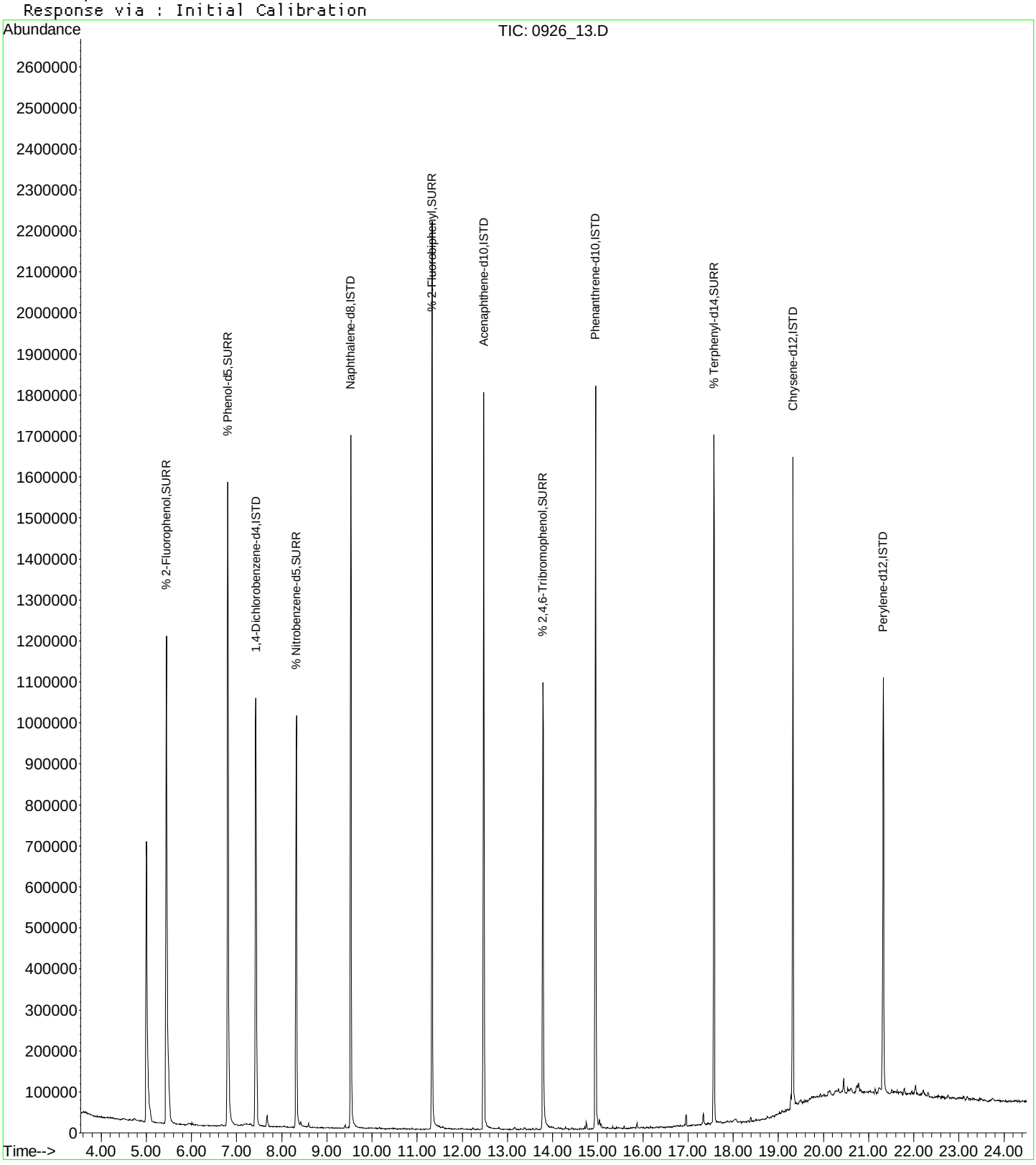
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
0926_13.D SV_0923.M Fri Oct 04 14:56:30 2013 Page 1

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_13.D Vial: 13
Acq On : 26 Sep 2013 2:26 pm Operator:
Sample : BF45207 Inst : Instrumen
Misc : FM-6 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 15:04 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Oct 04 14:54:14 2013
Response via : Initial Calibration



CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FM-7

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45209

Sample wt/vol: 15.08 (g/mL) g Lab File ID: 0926_14.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 6 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
62-75-9	N-Nitrosodimethylamine	250	U	99	250
108-95-2	Phenol	250	U	110	250
111-44-4	Bis(2-chloroethyl)ether	140	U	95	140
100-52-7	Benzaldehyde	250	U	100	250
95-57-8	2-Chlorophenol	250	U	100	250
95-48-7	2-Methylphenol (o-cresol)	250	U	170	250
39638-32-9	Bis(2-chloroisopropyl)ether	250	U	98	250
621-64-7	N-Nitrosodi-n-propylamine	140	U	110	140
HNX - M&P CRESOI	3&4-Methylphenol (m&p-cresol)	250	U	140	250
98-86-2	Acetophenone	250	U	110	250
67-72-1	Hexachloroethane	140	U	110	140
98-95-3	Nitrobenzene	140	U	120	140
78-59-1	Isophorone	140	U	99	140
88-75-5	2-Nitrophenol	250	U	220	250
105-67-9	2,4-Dimethylphenol	250	U	87	250
111-91-1	Bis(2-chloroethoxy)methane	250	U	97	250
120-83-2	2,4-Dichlorophenol	140	U	120	140
91-20-3	Naphthalene	250	U	100	250
106-47-8	4-Chloroaniline	710	U	160	710
87-68-3	Hexachlorobutadiene	250	U	130	250
59-50-7	4-Chloro-3-methylphenol	250	U	120	250
91-57-6	2-Methylnaphthalene	250	U	110	250
77-47-4	Hexachlorocyclopentadiene	250	U	110	250
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	120	250
88-06-2	2,4,6-Trichlorophenol	140	U	110	140
95-95-4	2,4,5-Trichlorophenol	250	U	190	250
91-58-7	2-Chloronaphthalene	250	U	100	250
100-01-6	4-Nitroaniline	1800	U	120	1800
131-11-3	Dimethylphthalate	250	U	110	250
606-20-2	2,6-Dinitrotoluene	140	U	110	140
208-96-8	Acenaphthylene	140	U	99	140
99-09-2	3-Nitroaniline	1800	U	770	1800
83-32-9	Acenaphthene	250	U	110	250
51-28-5	2,4-Dinitrophenol	250	U	250	250
105-60-2	Caprolactam	250	U	250	250
132-64-9	Dibenzofuran	250	U	100	250

FORM I SV

CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FM-7

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45209

Sample wt/vol: 15.08 (g/mL) g Lab File ID: 0926_14.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 6 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
121-14-2	2,4-Dinitrotoluene	140	U	140	140
100-02-7	4-Nitrophenol	1800	U	160	1800
84-66-2	Diethyl phthalate	250	U	110	250
86-73-7	Fluorene	250	U	120	250
7005-72-3	4-Chlorophenyl phenyl ether	250	U	120	250
88-74-4	2-Nitroaniline	1800	U	360	1800
534-52-1	4,6-Dinitro-2-methylphenol	250	U	250	250
86-30-6	N-Nitrosodiphenylamine	140	U	140	140
101-55-3	4-Bromophenyl phenyl ether	250	U	100	250
118-74-1	Hexachlorobenzene	140	U	100	140
1912-24-9	Atrazine	140	U	140	140
92-52-4	1,1-Biphenyl	250	U	110	250
87-86-5	Pentachlorophenol	250	U	130	250
85-01-8	Phenanthrene	140	U	100	140
120-12-7	Anthracene	250	U	120	250
86-74-8	Carbazole	1800	U	270	1800
84-74-2	Di-n-butylphthalate	250	U	94	250
206-44-0	Fluoranthene	250	U	110	250
129-00-0	Pyrene	250	U	120	250
85-68-7	Benzyl butyl phthalate	250	U	91	250
117-81-7	Bis(2-ethylhexyl)phthalate	250	U	100	250
56-55-3	Benz(a)anthracene	250	U	120	250
218-01-9	Chrysene	250	U	120	250
58-90-2	2,3,4,6-tetrachlorophenol	250	U	170	250
117-84-0	Di-n-octylphthalate	250	U	91	250
91-94-1	3,3'-dichlorobenzidine	140	U	140	140
205-99-2	Benzo(b)fluoranthene	250	U	120	250
207-08-9	Benzo(k)fluoranthene	250	U	120	250
50-32-8	Benzo(a)pyrene	140	U	110	140
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	120	250
53-70-3	Dibenz(a,h)anthracene	140	U	110	140
191-24-2	Benzo(ghi)perylene	250	U	110	250

FORM I SV

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-7

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45209

Sample wt/vol: 15.08 (g/mL) g Lab File ID: 0926_14.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 6 decanted:(Y/N) NA Date Extracted: 09/26/13

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 9/26/2013

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.000	1800	JNA

FORM I SEMIVOA-TIC

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_14.D Vial: 14
Acq On : 26 Sep 2013 2:56 pm Operator:
Sample : BF45209 Inst : Instrumen
Misc : FM-7 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 27 09:47:01 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Thu Sep 26 14:22:52 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

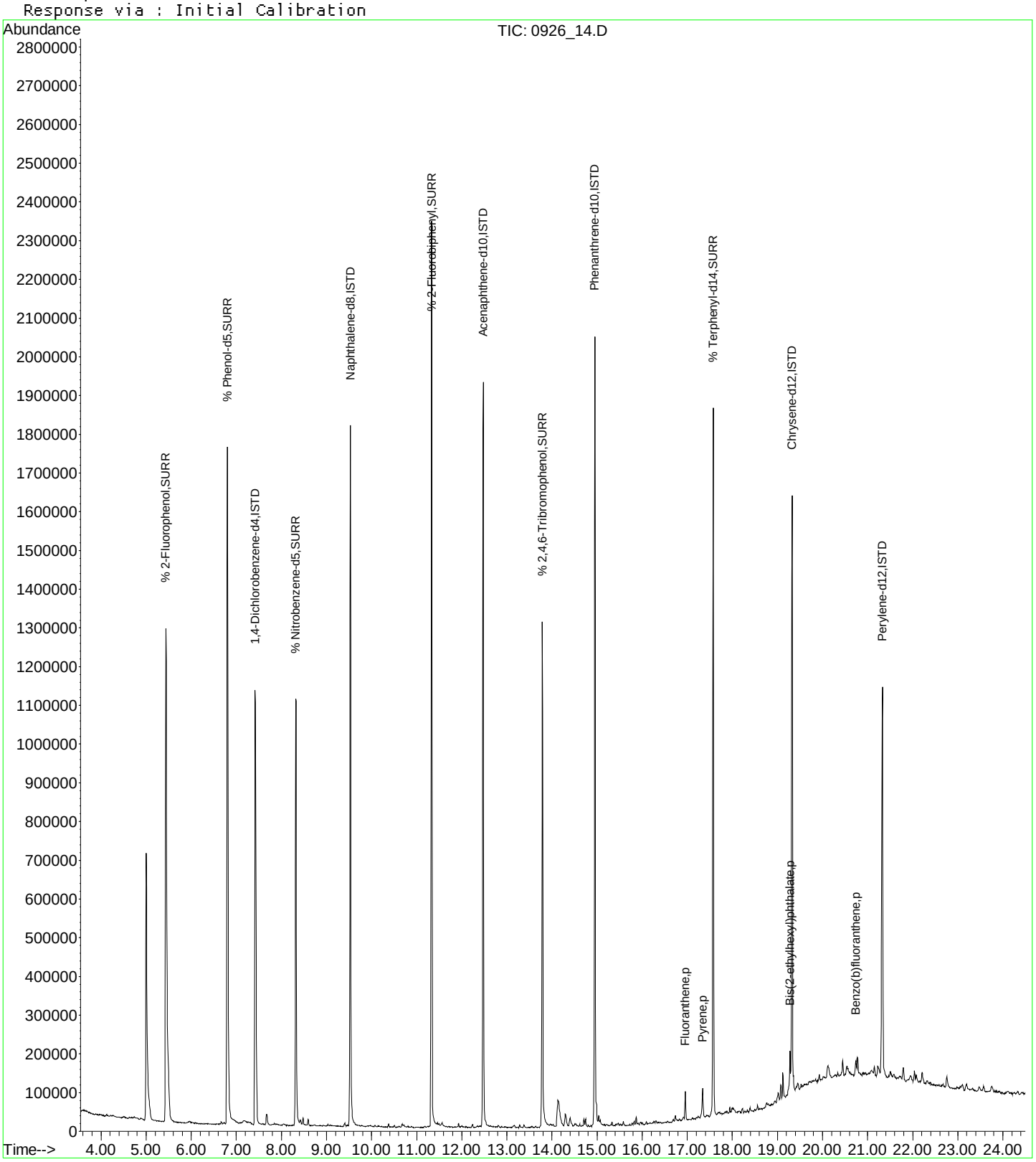
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	354522	40.00	ng	0.00
23) Naphthalene-d8	9.53	136	1133282	40.00	ng	0.00
41) Acenaphthene-d10	12.48	164	703688	40.00	ng	0.00
65) Phenanthrene-d10	14.95	188	1184069	40.00	ng	0.00
81) Chrysene-d12	19.33	240	723058	40.00	ng	0.00
88) Perylene-d12	21.33	264	649584	40.00	ng	0.00
System Monitoring Compounds						
5) % 2-Fluorophenol	5.44	112	709821	54.82	ng	0.02
Spiked Amount 75.000	Range 30 - 130		Recovery = 73.09%			
6) % Phenol-d5	6.80	99	983576	61.33	ng	0.01
Spiked Amount 75.000	Range 30 - 130		Recovery = 81.77%			
21) % Nitrobenzene-d5	8.32	82	579204	40.98	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 81.96%			
44) % 2-Fluorobiphenyl	11.33	172	1117875	47.18	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 94.36%			
66) % 2,4,6-Tribromophenol	13.79	62	141724	66.88	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 89.17%			
80) % Terphenyl-d14	17.58	244	883844	51.79	ng	0.00
Spiked Amount 50.000			Recovery = 103.58%			
Target Compounds						Qvalue
~~77) Fluoranthene~~	~~16.95~~	~~202~~	~~42230~~	~~1.48 ng~~		~~98~~
~~79) Pyrene~~	~~17.34~~	~~202~~	~~38836~~	~~1.32 ng~~		~~96~~
~~83) Bis(2-ethylhexyl)phthalate~~	~~19.28~~	~~149~~	~~31568~~	~~1.35 ng~~		~~98~~
~~89) Benzo(b)fluoranthene~~	~~20.74~~	~~252~~	~~22042m~~	~~1.26 ng~~		

(#) = qualifier out of range (m) = manual integration
0926_14.D SV_0923.M Fri Oct 04 14:56:39 2013 JC 10/04/13

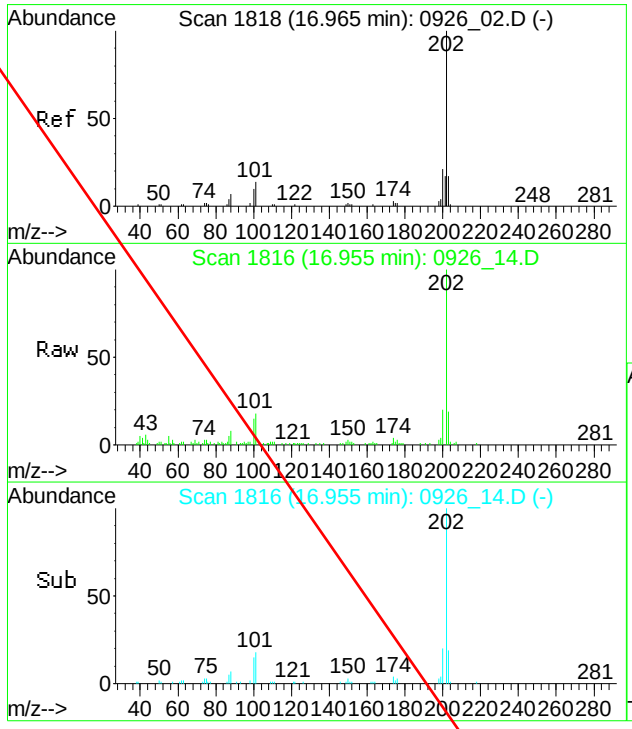
Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_14.D Vial: 14
Acq On : 26 Sep 2013 2:56 pm Operator:
Sample : BF45209 Inst : Instrumen
Misc : FM-7 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 27 9:47 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Oct 04 14:54:14 2013
Response via : Initial Calibration



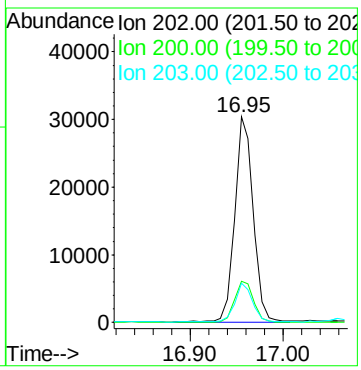
0926_14.D SV_0923.M Fri Oct 04 14:56:39 2013 Page 2

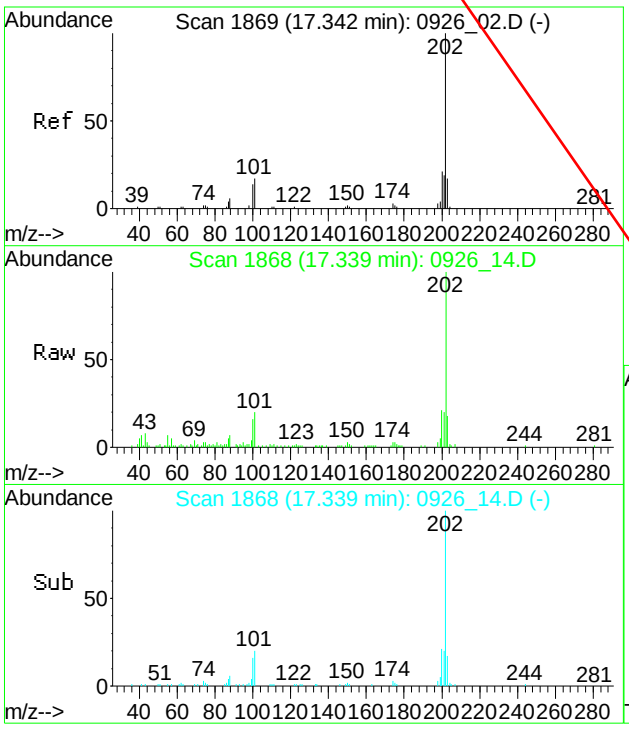


#77
Fluoranthene
Concen: 1.48 ng
RT: 16.95 min Scan# 1816
Delta R.T. -0.01 min
Lab File: 0926_14.D
Acq: 26 Sep 2013 2:56 pm

Tgt Ion:202 Resp: 42230

Ion	Ratio	Lower	Upper
202	100		
200	20.4	0.0	51.0
203	19.0	0.0	47.5

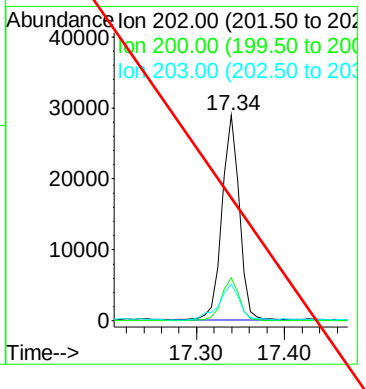


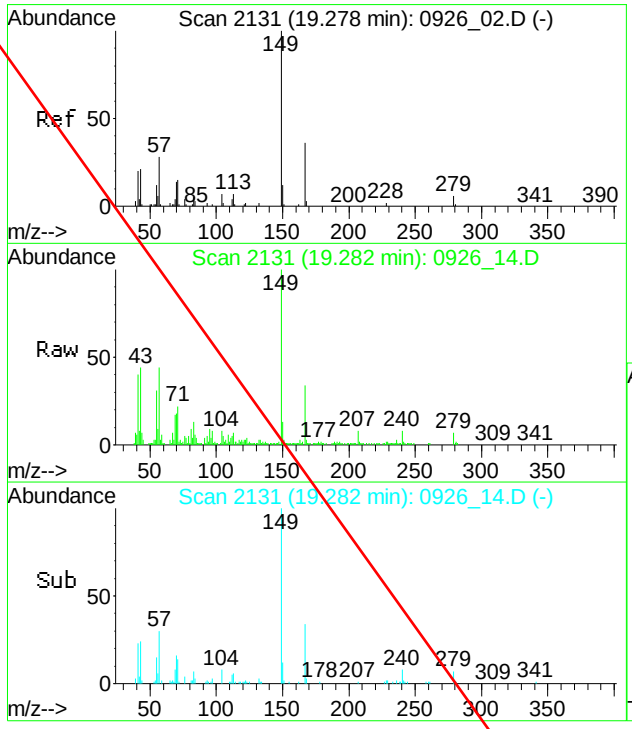


#79
Pyrene
Concen: 1.32 ng
RT: 17.34 min Scan# 1868
Delta R.T. -0.00 min
Lab File: 0926_14.D
Acq: 26 Sep 2013 2:56 pm

Tgt Ion:202 Resp: 38836

Ion	Ratio	Lower	Upper
202	100		
200	21.8	0.0	51.3
203	21.0	0.0	48.0

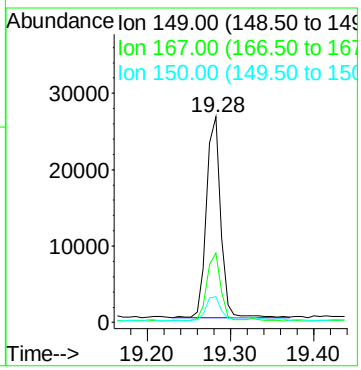


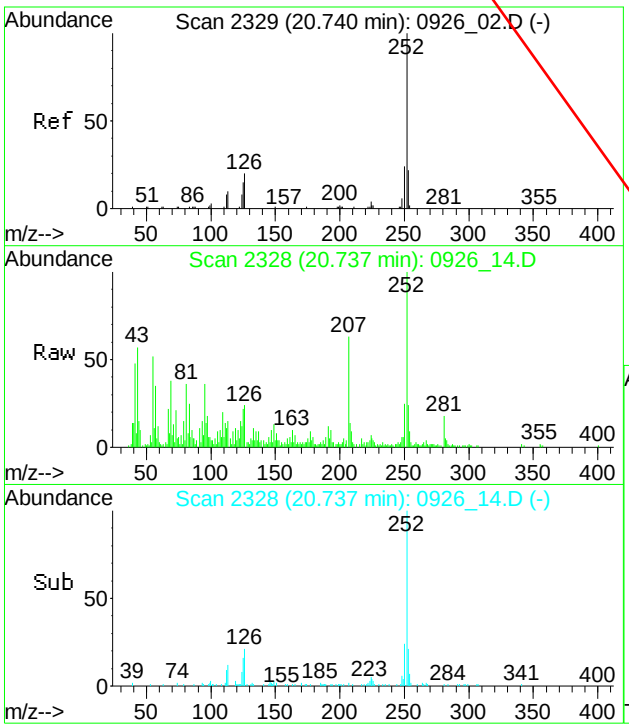


#83
Bis(2-ethylhexyl)phthalate
Concen: 1.35 ng
RT: 19.28 min Scan# 2131
Delta R.T. 0.00 min
Lab File: 0926_14.D
Acq: 26 Sep 2013 2:56 pm

Tgt Ion:149 Resp: 31568

Ion	Ratio	Lower	Upper
149	100		
167	33.9	4.9	64.9
150	13.3	0.0	42.8

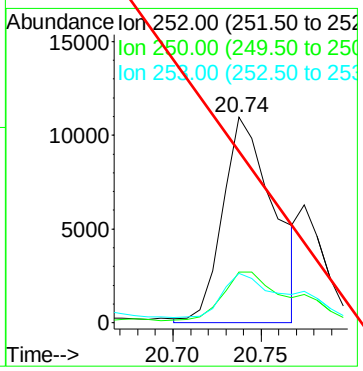




#89
Benzo(b)fluoranthene
Concen: 1.26 ng m
RT: 20.74 min Scan# 2328
Delta R.T. -0.00 min
Lab File: 0926_14.D
Acq: 26 Sep 2013 2:56 pm

Tgt Ion:252 Resp: 22042

Ion	Ratio	Lower	Upper
252	100		
250	32.5	0.0	53.9
253	30.5	0.0	52.1



CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FM-8

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45211

Sample wt/vol: 15.18 (g/mL) g Lab File ID: 0926_15.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 4 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
62-75-9	N-Nitrosodimethylamine	240	U	97	240
108-95-2	Phenol	240	U	110	240
111-44-4	Bis(2-chloroethyl)ether	140	U	93	140
100-52-7	Benzaldehyde	240	U	100	240
95-57-8	2-Chlorophenol	240	U	97	240
95-48-7	2-Methylphenol (o-cresol)	240	U	160	240
39638-32-9	Bis(2-chloroisopropyl)ether	240	U	95	240
621-64-7	N-Nitrosodi-n-propylamine	140	U	110	140
HNX - M&P CRESOI	3&4-Methylphenol (m&p-cresol)	240	U	140	240
98-86-2	Acetophenone	240	U	110	240
67-72-1	Hexachloroethane	140	U	100	140
98-95-3	Nitrobenzene	140	U	120	140
78-59-1	Isophorone	140	U	96	140
88-75-5	2-Nitrophenol	240	U	220	240
105-67-9	2,4-Dimethylphenol	240	U	85	240
111-91-1	Bis(2-chloroethoxy)methane	240	U	95	240
120-83-2	2,4-Dichlorophenol	140	U	120	140
91-20-3	Naphthalene	240	U	99	240
106-47-8	4-Chloroaniline	690	U	160	690
87-68-3	Hexachlorobutadiene	240	U	120	240
59-50-7	4-Chloro-3-methylphenol	240	U	120	240
91-57-6	2-Methylnaphthalene	240	U	100	240
77-47-4	Hexachlorocyclopentadiene	240	U	100	240
95-94-3	1,2,4,5-Tetrachlorobenzene	240	U	120	240
88-06-2	2,4,6-Trichlorophenol	140	U	110	140
95-95-4	2,4,5-Trichlorophenol	240	U	190	240
91-58-7	2-Chloronaphthalene	240	U	97	240
100-01-6	4-Nitroaniline	1700	U	110	1700
131-11-3	Dimethylphthalate	240	U	110	240
606-20-2	2,6-Dinitrotoluene	140	U	110	140
208-96-8	Acenaphthylene	140	U	96	140
99-09-2	3-Nitroaniline	1700	U	750	1700
83-32-9	Acenaphthene	240	U	100	240
51-28-5	2,4-Dinitrophenol	240	U	240	240
105-60-2	Caprolactam	240	U	240	240
132-64-9	Dibenzofuran	240	U	100	240

FORM I SV

CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FM-8

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45211

Sample wt/vol: 15.18 (g/mL) g Lab File ID: 0926_15.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 4 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
121-14-2	2,4-Dinitrotoluene	140	U	140	140
100-02-7	4-Nitrophenol	1700	U	160	1700
84-66-2	Diethyl phthalate	240	U	110	240
86-73-7	Fluorene	240	U	110	240
7005-72-3	4-Chlorophenyl phenyl ether	240	U	120	240
88-74-4	2-Nitroaniline	1700	U	350	1700
534-52-1	4,6-Dinitro-2-methylphenol	240	U	240	240
86-30-6	N-Nitrosodiphenylamine	140	U	130	140
101-55-3	4-Bromophenyl phenyl ether	240	U	100	240
118-74-1	Hexachlorobenzene	140	U	100	140
1912-24-9	Atrazine	140	U	140	140
92-52-4	1,1-Biphenyl	240	U	100	240
87-86-5	Pentachlorophenol	240	U	130	240
85-01-8	Phenanthrene	140	U	98	140
120-12-7	Anthracene	240	U	110	240
86-74-8	Carbazole	1700	U	260	1700
84-74-2	Di-n-butylphthalate	240	U	91	240
206-44-0	Fluoranthene	240	U	110	240
129-00-0	Pyrene	240	U	120	240
85-68-7	Benzyl butyl phthalate	240	U	89	240
117-81-7	Bis(2-ethylhexyl)phthalate	240	U	99	240
56-55-3	Benz(a)anthracene	240	U	120	240
218-01-9	Chrysene	240	U	120	240
58-90-2	2,3,4,6-tetrachlorophenol	240	U	160	240
117-84-0	Di-n-octylphthalate	240	U	89	240
91-94-1	3,3'-dichlorobenzidine	140	U	140	140
205-99-2	Benzo(b)fluoranthene	240	U	120	240
207-08-9	Benzo(k)fluoranthene	240	U	110	240
50-32-8	Benzo(a)pyrene	140	U	110	140
193-39-5	Indeno(1,2,3-cd)pyrene	240	U	110	240
53-70-3	Dibenz(a,h)anthracene	140	U	110	140
191-24-2	Benzo(ghi)perylene	240	U	110	240

FORM I SV

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

FM-8

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45211

Sample wt/vol: 15.18 (g/mL) g Lab File ID: 0926_15.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 4 decanted:(Y/N) NA Date Extracted: 09/26/13

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 9/26/2013

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.000	1500	JNA

FORM I SEMIVOA-TIC

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_15.D Vial: 15
Acq On : 26 Sep 2013 3:26 pm Operator:
Sample : BF45211 Inst : Instrumen
Misc : FM-8 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 27 09:47:02 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Thu Sep 26 14:22:52 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	368663	40.00	ng	0.00
23) Naphthalene-d8	9.53	136	1176484	40.00	ng	0.00
41) Acenaphthene-d10	12.48	164	744040	40.00	ng	0.00
65) Phenanthrene-d10	14.95	188	1248720	40.00	ng	0.00
81) Chrysene-d12	19.32	240	789174	40.00	ng	0.00
88) Perylene-d12	21.33	264	717535	40.00	ng	0.00
System Monitoring Compounds						
5) % 2-Fluorophenol	5.44	112	680576	50.55	ng	0.02
Spiked Amount 75.000	Range 30 - 130		Recovery = 67.40%			
6) % Phenol-d5	6.80	99	952153	57.09	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 76.12%			
21) % Nitrobenzene-d5	8.32	82	554906	37.75	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 75.50%			
44) % 2-Fluorobiphenyl	11.33	172	1102728	44.02	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 88.04%			
66) % 2,4,6-Tribromophenol	13.78	62	136634	61.14	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 81.52%			
80) % Terphenyl-d14	17.57	244	877973	48.78	ng	0.00
Spiked Amount 50.000			Recovery = 97.56%			

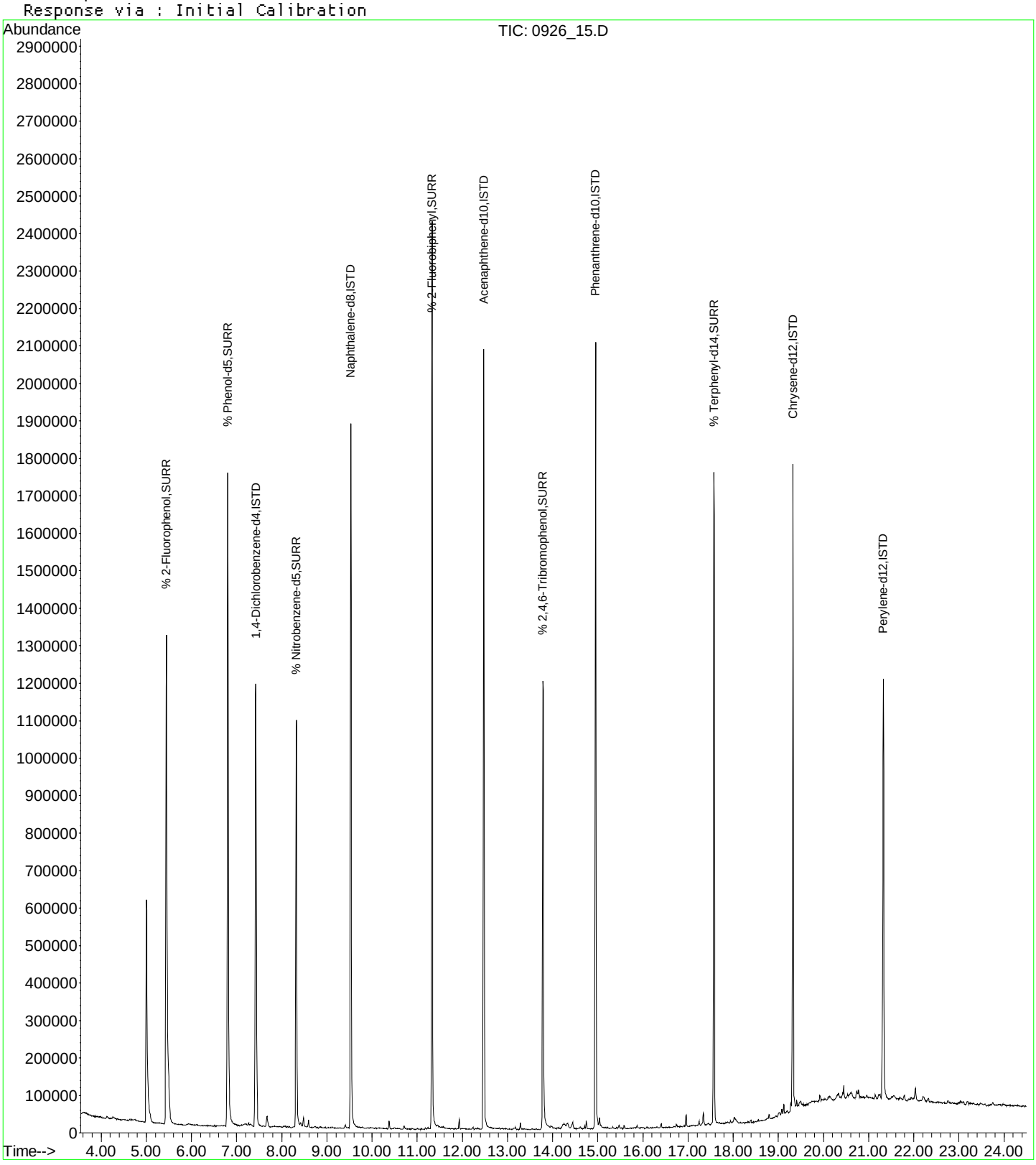
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_15.D Vial: 15
Acq On : 26 Sep 2013 3:26 pm Operator:
Sample : BF45211 Inst : Instrumen
Misc : FM-8 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 27 9:47 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Oct 04 14:54:14 2013
Response via : Initial Calibration



0926_15.D SV_0923.M Fri Oct 04 14:56:51 2013 Page 2

CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FM-9

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45213

Sample wt/vol: 15.00 (g/mL) g Lab File ID: 0926_16.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 6 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
62-75-9	N-Nitrosodimethylamine	250	U	100	250
108-95-2	Phenol	250	U	110	250
111-44-4	Bis(2-chloroethyl)ether	140	U	96	140
100-52-7	Benzaldehyde	250	U	100	250
95-57-8	2-Chlorophenol	250	U	100	250
95-48-7	2-Methylphenol (o-cresol)	250	U	170	250
39638-32-9	Bis(2-chloroisopropyl)ether	250	U	99	250
621-64-7	N-Nitrosodi-n-propylamine	140	U	110	140
HNX - M&P CRESOI	3&4-Methylphenol (m&p-cresol)	250	U	140	250
98-86-2	Acetophenone	250	U	110	250
67-72-1	Hexachloroethane	140	U	110	140
98-95-3	Nitrobenzene	140	U	120	140
78-59-1	Isophorone	140	U	99	140
88-75-5	2-Nitrophenol	250	U	220	250
105-67-9	2,4-Dimethylphenol	250	U	88	250
111-91-1	Bis(2-chloroethoxy)methane	250	U	98	250
120-83-2	2,4-Dichlorophenol	140	U	120	140
91-20-3	Naphthalene	250	U	100	250
106-47-8	4-Chloroaniline	710	U	170	710
87-68-3	Hexachlorobutadiene	250	U	130	250
59-50-7	4-Chloro-3-methylphenol	250	U	120	250
91-57-6	2-Methylnaphthalene	250	U	110	250
77-47-4	Hexachlorocyclopentadiene	250	U	110	250
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	120	250
88-06-2	2,4,6-Trichlorophenol	140	U	110	140
95-95-4	2,4,5-Trichlorophenol	250	U	190	250
91-58-7	2-Chloronaphthalene	250	U	100	250
100-01-6	4-Nitroaniline	1800	U	120	1800
131-11-3	Dimethylphthalate	250	U	110	250
606-20-2	2,6-Dinitrotoluene	140	U	110	140
208-96-8	Acenaphthylene	140	U	99	140
99-09-2	3-Nitroaniline	1800	U	770	1800
83-32-9	Acenaphthene	250	U	110	250
51-28-5	2,4-Dinitrophenol	250	U	250	250
105-60-2	Caprolactam	250	U	250	250
132-64-9	Dibenzofuran	250	U	100	250

FORM I SV

CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FM-9

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45213

Sample wt/vol: 15.00 (g/mL) g Lab File ID: 0926_16.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 6 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
121-14-2	2,4-Dinitrotoluene	140	U	140	140
100-02-7	4-Nitrophenol	1800	U	160	1800
84-66-2	Diethyl phthalate	250	U	110	250
86-73-7	Fluorene	250	U	120	250
7005-72-3	4-Chlorophenyl phenyl ether	250	U	120	250
88-74-4	2-Nitroaniline	1800	U	360	1800
534-52-1	4,6-Dinitro-2-methylphenol	250	U	250	250
86-30-6	N-Nitrosodiphenylamine	140	U	140	140
101-55-3	4-Bromophenyl phenyl ether	250	U	100	250
118-74-1	Hexachlorobenzene	140	U	100	140
1912-24-9	Atrazine	140	U	140	140
92-52-4	1,1-Biphenyl	250	U	110	250
87-86-5	Pentachlorophenol	250	U	130	250
85-01-8	Phenanthrene	140	U	100	140
120-12-7	Anthracene	250	U	120	250
86-74-8	Carbazole	1800	U	270	1800
84-74-2	Di-n-butylphthalate	250	U	94	250
206-44-0	Fluoranthene	120	J	110	250
129-00-0	Pyrene	250	U	120	250
85-68-7	Benzyl butyl phthalate	250	U	91	250
117-81-7	Bis(2-ethylhexyl)phthalate	250	U	100	250
56-55-3	Benz(a)anthracene	250	U	120	250
218-01-9	Chrysene	250	U	120	250
58-90-2	2,3,4,6-tetrachlorophenol	250	U	170	250
117-84-0	Di-n-octylphthalate	250	U	91	250
91-94-1	3,3'-dichlorobenzidine	140	U	140	140
205-99-2	Benzo(b)fluoranthene	250	U	120	250
207-08-9	Benzo(k)fluoranthene	250	U	120	250
50-32-8	Benzo(a)pyrene	140	U	120	140
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	120	250
53-70-3	Dibenz(a,h)anthracene	140	U	110	140
191-24-2	Benzo(ghi)perylene	250	U	110	250

FORM I SV

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-9

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45213

Sample wt/vol: 15 (g/mL) g Lab File ID: 0926_16.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 6 decanted:(Y/N) NA Date Extracted: 09/26/13

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 9/26/2013

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.000	2000	JNA

FORM I SEMIVOA-TIC

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_16.D Vial: 16
Acq On : 26 Sep 2013 3:56 pm Operator:
Sample : BF45213 Inst : Instrumen
Misc : FM-9 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 27 09:47:02 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Thu Sep 26 14:22:52 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

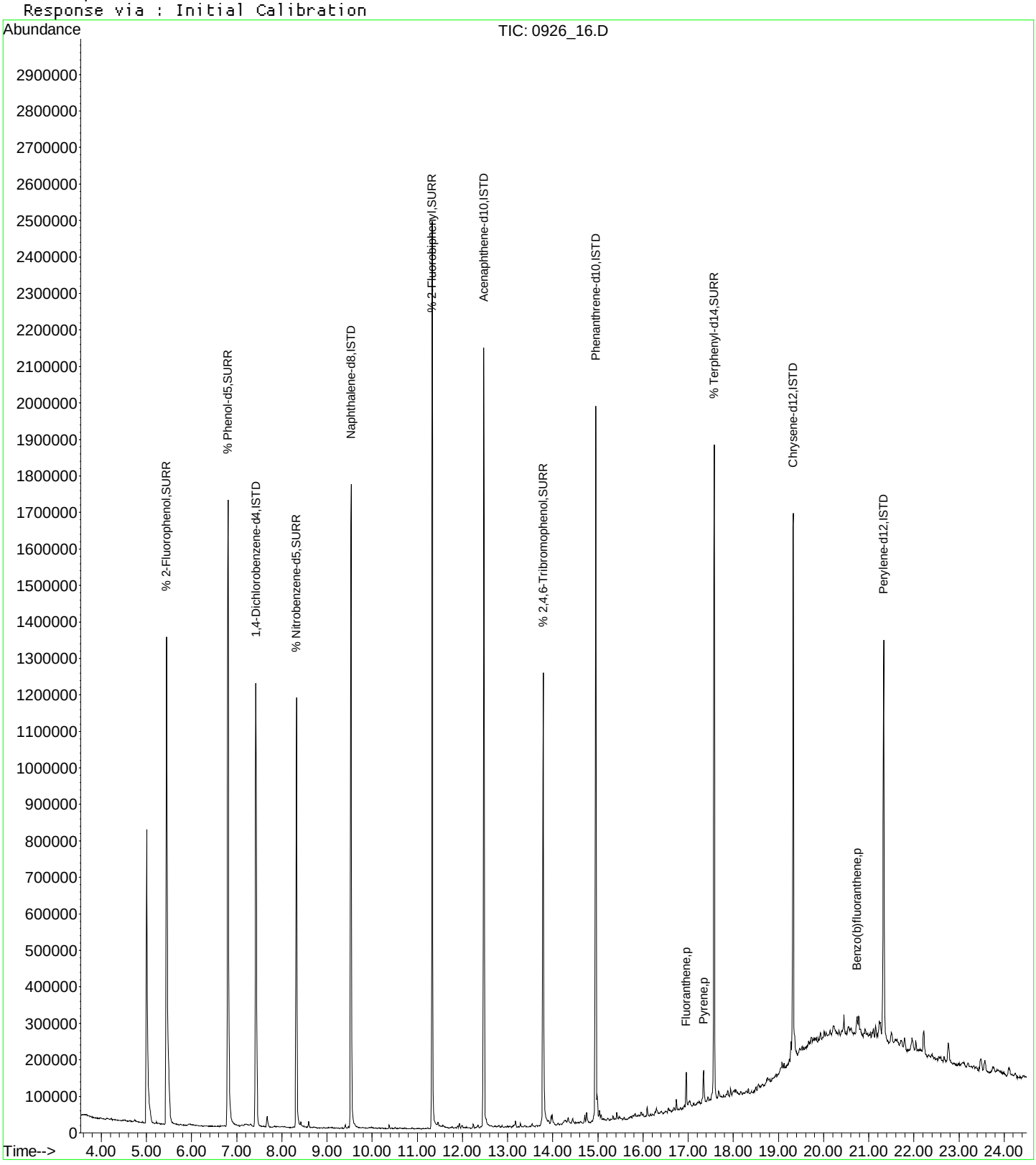
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	364929	40.00	ng	0.00
23) Naphthalene-d8	9.53	136	1167949	40.00	ng	0.00
41) Acenaphthene-d10	12.47	164	745328	40.00	ng	0.00
65) Phenanthrene-d10	14.96	188	1233085	40.00	ng	0.00
81) Chrysene-d12	19.33	240	759898	40.00	ng	0.00
88) Perylene-d12	21.33	264	713202	40.00	ng	0.00
System Monitoring Compounds						
5) % 2-Fluorophenol	5.44	112	715623	53.69	ng	0.02
Spiked Amount 75.000	Range 30 - 130		Recovery = 71.59%			
6) % Phenol-d5	6.81	99	993762	60.20	ng	0.02
Spiked Amount 75.000	Range 30 - 130		Recovery = 80.27%			
21) % Nitrobenzene-d5	8.32	82	579474	39.83	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 79.66%			
44) % 2-Fluorobiphenyl	11.33	172	1136042	45.27	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 90.54%			
66) % 2,4,6-Tribromophenol	13.79	62	141520	64.13	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 85.51%			
80) % Terphenyl-d14	17.58	244	855120	48.12	ng	0.00
Spiked Amount 50.000			Recovery = 96.24%			
Target Compounds						Qvalue
77) Fluoranthene	16.96	202	51544	1.74	ng	99
~~79) Pyrene~~	~~17.34~~	~~202~~	~~47627~~	~~1.55 ng~~		~~95~~
~~89) Benzo(b)fluoranthene~~	~~20.74~~	~~252~~	~~26856m~~	~~1.40 ng~~		

(#) = qualifier out of range (m) = manual integration JC 10/04/13

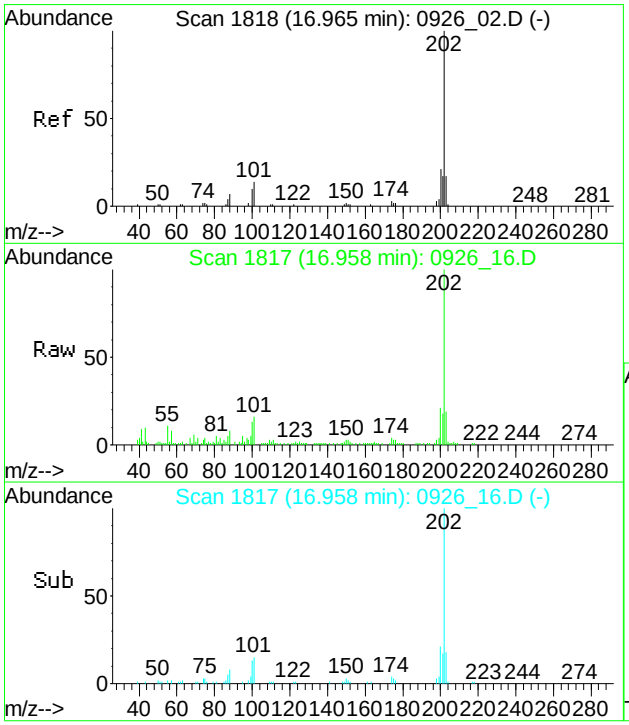
Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_16.D Vial: 16
Acq On : 26 Sep 2013 3:56 pm Operator:
Sample : BF45213 Inst : Instrumen
Misc : FM-9 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 27 9:47 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Oct 04 14:54:14 2013
Response via : Initial Calibration



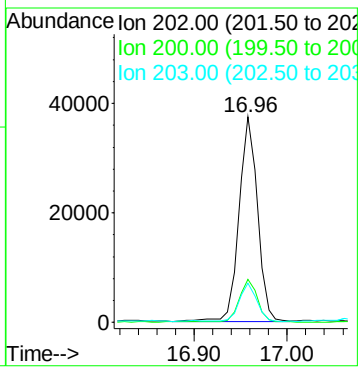
0926_16.D SV_0923.M Fri Oct 04 14:56:59 2013 Page 2

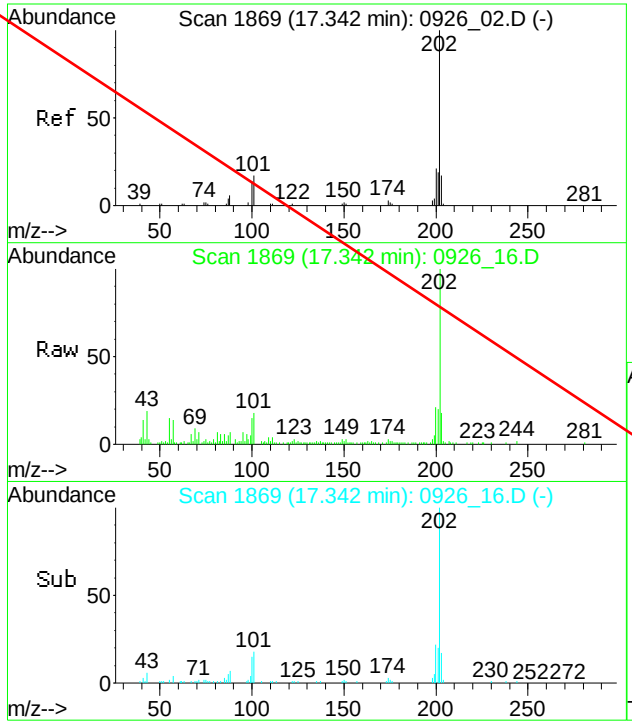


#77
Fluoranthene
Concen: 1.74 ng
RT: 16.96 min Scan# 1817
Delta R.T. -0.01 min
Lab File: 0926_16.D
Acq: 26 Sep 2013 3:56 pm

Tgt Ion:202 Resp: 51544

Ion	Ratio	Lower	Upper
202	100		
200	21.6	0.0	51.0
203	17.4	0.0	47.5

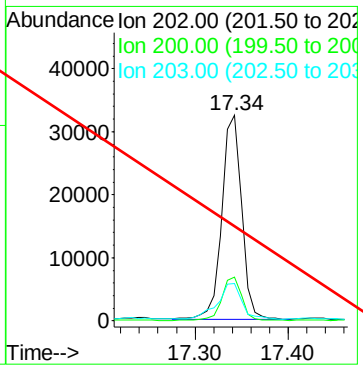


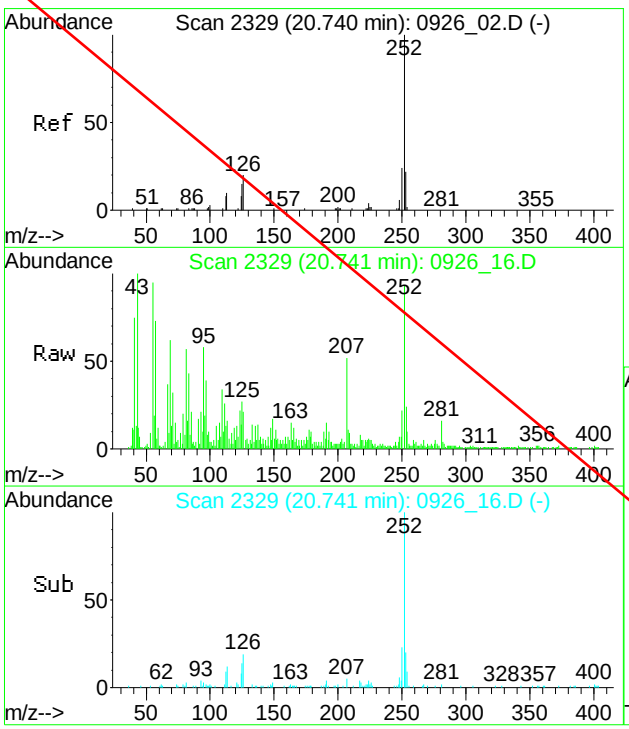


#79
Pyrene
Concen: 1.55 ng
RT: 17.34 min Scan# 1869
Delta R.T. 0.00 min
Lab File: 0926_16.D
Acq: 26 Sep 2013 3:56 pm

Tgt Ion:202 Resp: 47627

Ion	Ratio	Lower	Upper
202	100		
200	22.5	0.0	51.3
203	21.8	0.0	48.0

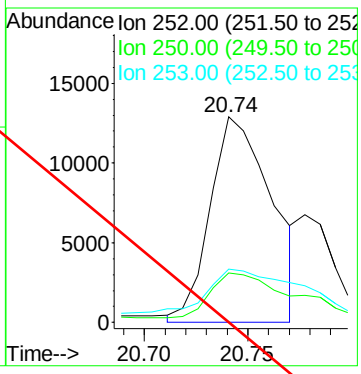




#89
Benzo(b)fluoranthene
Concen: 1.40 ng m
RT: 20.74 min Scan# 2329
Delta R.T. 0.00 min
Lab File: 0926_16.D
Acq: 26 Sep 2013 3:56 pm

Tgt Ion:252 Resp: 26856

Ion	Ratio	Lower	Upper
252	100		
250	30.9	0.0	53.9
253	34.8	0.0	52.1



CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45215

Sample wt/vol: 15.21 (g/mL) g Lab File ID: 0926_17.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 4 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
62-75-9	N-Nitrosodimethylamine	240	U	97	240
108-95-2	Phenol	240	U	110	240
111-44-4	Bis(2-chloroethyl)ether	140	U	92	140
100-52-7	Benzaldehyde	240	U	100	240
95-57-8	2-Chlorophenol	240	U	97	240
95-48-7	2-Methylphenol (o-cresol)	240	U	160	240
39638-32-9	Bis(2-chloroisopropyl)ether	240	U	95	240
621-64-7	N-Nitrosodi-n-propylamine	140	U	110	140
HNX - M&P CRESOI	3&4-Methylphenol (m&p-cresol)	240	U	130	240
98-86-2	Acetophenone	240	U	110	240
67-72-1	Hexachloroethane	140	U	100	140
98-95-3	Nitrobenzene	140	U	120	140
78-59-1	Isophorone	140	U	96	140
88-75-5	2-Nitrophenol	240	U	220	240
105-67-9	2,4-Dimethylphenol	240	U	85	240
111-91-1	Bis(2-chloroethoxy)methane	240	U	95	240
120-83-2	2,4-Dichlorophenol	140	U	120	140
91-20-3	Naphthalene	240	U	99	240
106-47-8	4-Chloroaniline	680	U	160	680
87-68-3	Hexachlorobutadiene	240	U	120	240
59-50-7	4-Chloro-3-methylphenol	240	U	120	240
91-57-6	2-Methylnaphthalene	240	U	100	240
77-47-4	Hexachlorocyclopentadiene	240	U	100	240
95-94-3	1,2,4,5-Tetrachlorobenzene	240	U	120	240
88-06-2	2,4,6-Trichlorophenol	140	U	110	140
95-95-4	2,4,5-Trichlorophenol	240	U	190	240
91-58-7	2-Chloronaphthalene	240	U	97	240
100-01-6	4-Nitroaniline	1700	U	110	1700
131-11-3	Dimethylphthalate	240	U	110	240
606-20-2	2,6-Dinitrotoluene	140	U	110	140
208-96-8	Acenaphthylene	140	U	96	140
99-09-2	3-Nitroaniline	1700	U	750	1700
83-32-9	Acenaphthene	240	U	100	240
51-28-5	2,4-Dinitrophenol	240	U	240	240
105-60-2	Caprolactam	240	U	240	240
132-64-9	Dibenzofuran	240	U	100	240

FORM I SV

CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45215

Sample wt/vol: 15.21 (g/mL) g Lab File ID: 0926_17.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 4 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
121-14-2	2,4-Dinitrotoluene	140	U	130	140
100-02-7	4-Nitrophenol	1700	U	150	1700
84-66-2	Diethyl phthalate	240	U	110	240
86-73-7	Fluorene	240	U	110	240
7005-72-3	4-Chlorophenyl phenyl ether	240	U	120	240
88-74-4	2-Nitroaniline	1700	U	350	1700
534-52-1	4,6-Dinitro-2-methylphenol	240	U	240	240
86-30-6	N-Nitrosodiphenylamine	140	U	130	140
101-55-3	4-Bromophenyl phenyl ether	240	U	100	240
118-74-1	Hexachlorobenzene	140	U	100	140
1912-24-9	Atrazine	140	U	140	140
92-52-4	1,1-Biphenyl	240	U	100	240
87-86-5	Pentachlorophenol	240	U	130	240
85-01-8	Phenanthrene	140	U	98	140
120-12-7	Anthracene	240	U	110	240
86-74-8	Carbazole	1700	U	260	1700
84-74-2	Di-n-butylphthalate	240	U	91	240
206-44-0	Fluoranthene	130	J	110	240
129-00-0	Pyrene	240	U	120	240
85-68-7	Benzyl butyl phthalate	240	U	88	240
117-81-7	Bis(2-ethylhexyl)phthalate	240	U	99	240
56-55-3	Benz(a)anthracene	240	U	120	240
218-01-9	Chrysene	240	U	120	240
58-90-2	2,3,4,6-tetrachlorophenol	240	U	160	240
117-84-0	Di-n-octylphthalate	240	U	88	240
91-94-1	3,3'-dichlorobenzidine	140	U	140	140
205-99-2	Benzo(b)fluoranthene	240	U	120	240
207-08-9	Benzo(k)fluoranthene	240	U	110	240
50-32-8	Benzo(a)pyrene	140	U	110	140
193-39-5	Indeno(1,2,3-cd)pyrene	240	U	110	240
53-70-3	Dibenz(a,h)anthracene	140	U	110	140
191-24-2	Benzo(ghi)perylene	240	U	110	240

FORM I SV

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

DUPLICATE

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45215

Sample wt/vol: 15.21 (g/mL) g Lab File ID: 0926_17.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 4 decanted:(Y/N) NA Date Extracted: 09/26/13

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 9/26/2013

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.010	1300	JNA

FORM I SEMIVOA-TIC

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_17.D Vial: 17
Acq On : 26 Sep 2013 4:26 pm Operator:
Sample : BF45215 Inst : Instrumen
Misc : DUPLICATE Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 27 09:47:03 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Thu Sep 26 14:22:52 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

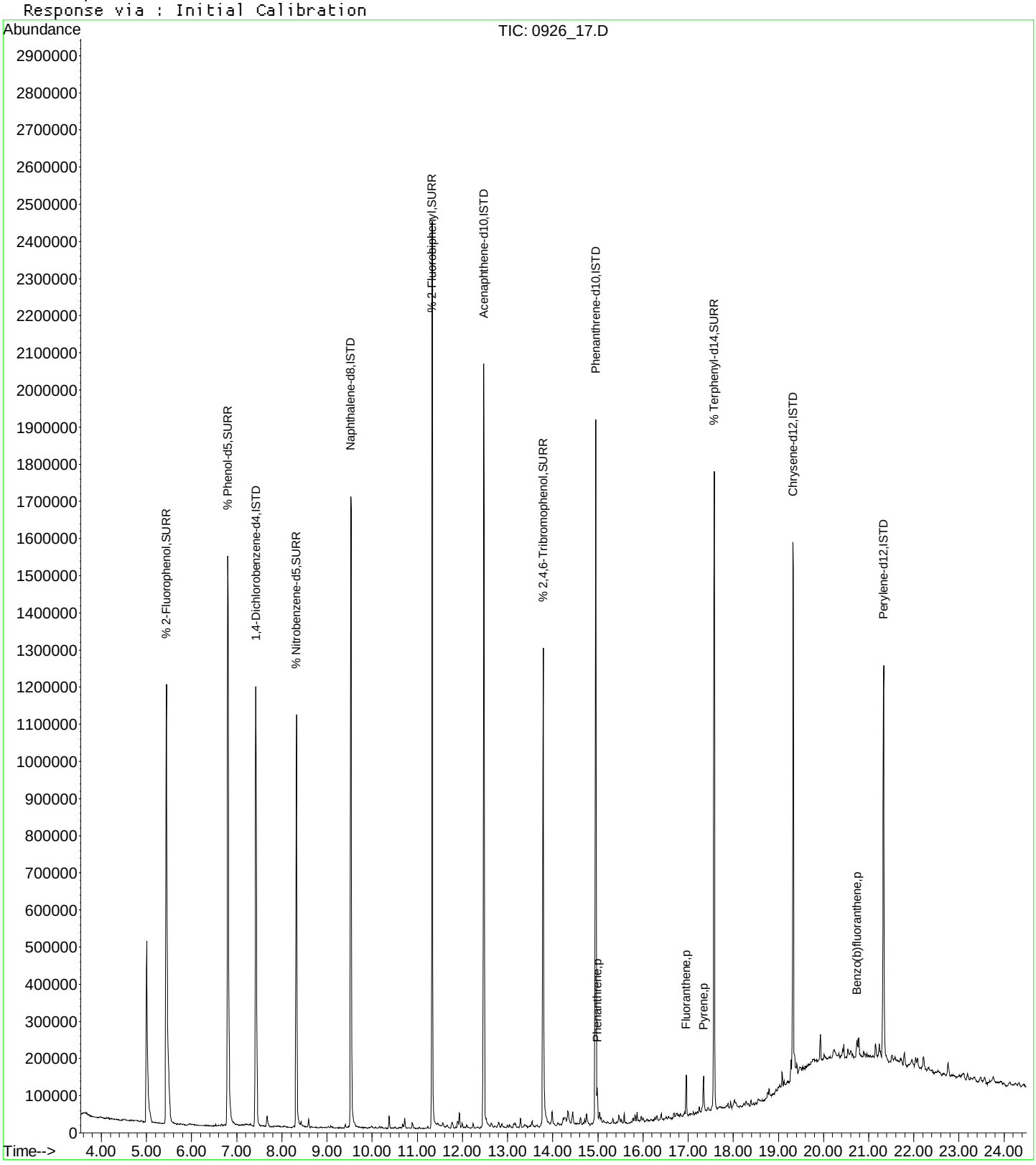
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	367841	40.00	ng	0.00
23) Naphthalene-d8	9.53	136	1183882	40.00	ng	0.00
41) Acenaphthene-d10	12.47	164	736345	40.00	ng	0.00
65) Phenanthrene-d10	14.96	188	1241193	40.00	ng	0.00
81) Chrysene-d12	19.33	240	731541	40.00	ng	0.00
88) Perylene-d12	21.33	264	694991	40.00	ng	0.00
System Monitoring Compounds						
5) % 2-Fluorophenol	5.44	112	676212	50.33	ng	0.02
Spiked Amount 75.000	Range 30 - 130		Recovery = 67.11%			
6) % Phenol-d5	6.80	99	963161	57.88	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 77.17%			
21) % Nitrobenzene-d5	8.32	82	555935	37.91	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 75.82%			
44) % 2-Fluorobiphenyl	11.33	172	1134412	45.76	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 91.52%			
66) % 2,4,6-Tribromophenol	13.79	62	143470	64.59	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 86.12%			
80) % Terphenyl-d14	17.58	244	838090	46.85	ng	0.00
Spiked Amount 50.000			Recovery = 93.70%			
Target Compounds						Qvalue
~~72) Phenanthrene~~	~~14.99~~	~~178~~	~~40051~~	~~1.23 ng~~		~~98~~
77) Fluoranthene	16.96	202	58662	1.97 ng		99
~~79) Pyrene~~	~~17.34~~	~~202~~	~~52572~~	~~1.70 ng~~		~~95~~
~~89) Benzo(b)fluoranthene~~	~~20.74~~	~~252~~	~~26797m~~	~~1.43 ng~~		

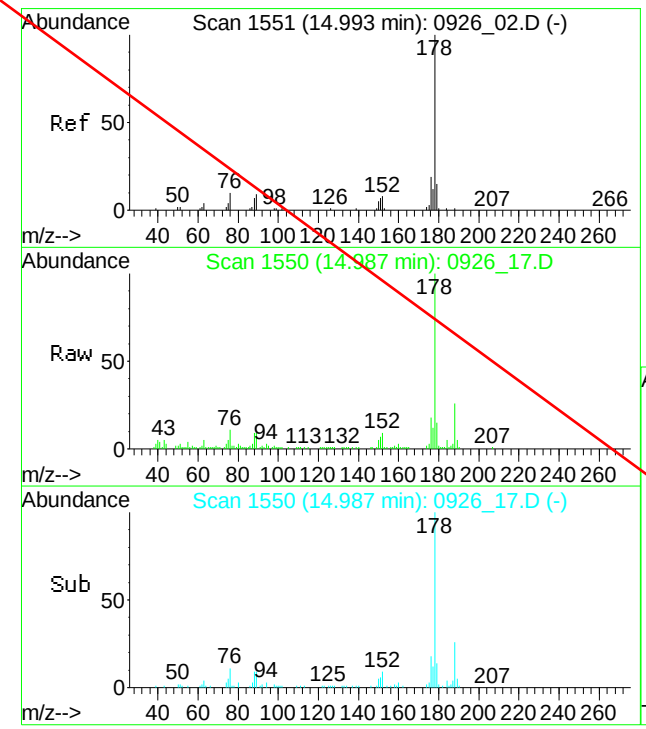
(#) = qualifier out of range (m) = manual integration JC 10/04/13
0926_17.D SV_0923.M Fri Oct 04 14:57:09 2013 Page 1

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_17.D Vial: 17
Acq On : 26 Sep 2013 4:26 pm Operator:
Sample : BF45215 Inst : Instrumen
Misc : DUPLICATE Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 27 9:47 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Oct 04 14:54:14 2013
Response via : Initial Calibration

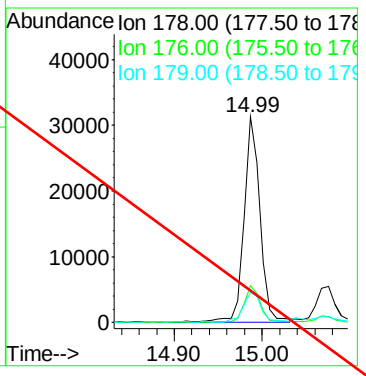


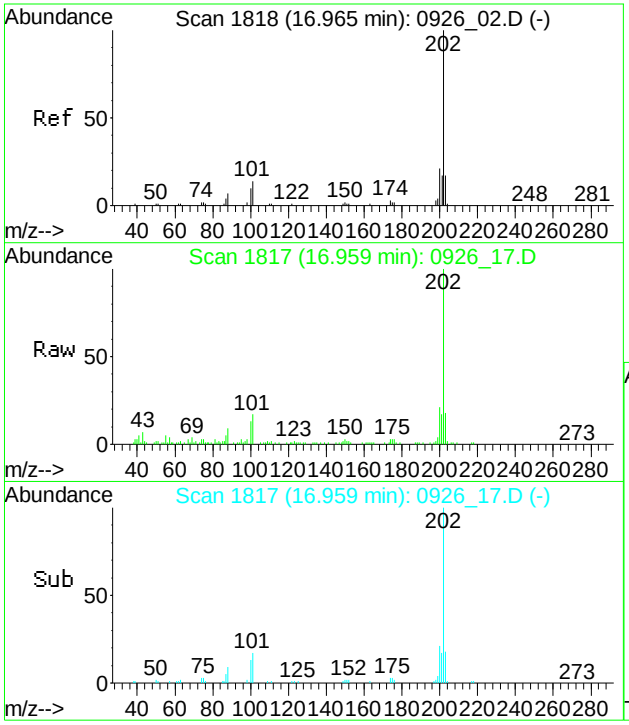


#72
Phenanthrene
Concen: 1.23 ng
RT: 14.99 min Scan# 1550
Delta R.T. -0.01 min
Lab File: 0926_17.D
Acq: 26 Sep 2013 4:26 pm

Tgt Ion:178 Resp: 40051

Ion	Ratio	Lower	Upper
178	100		
176	18.2	0.0	48.7
179	16.3	0.0	45.3

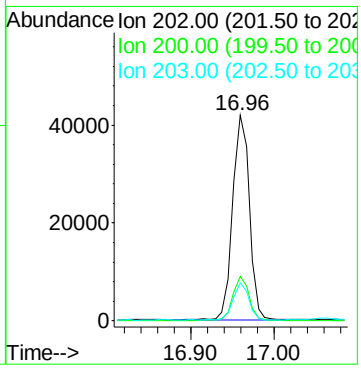


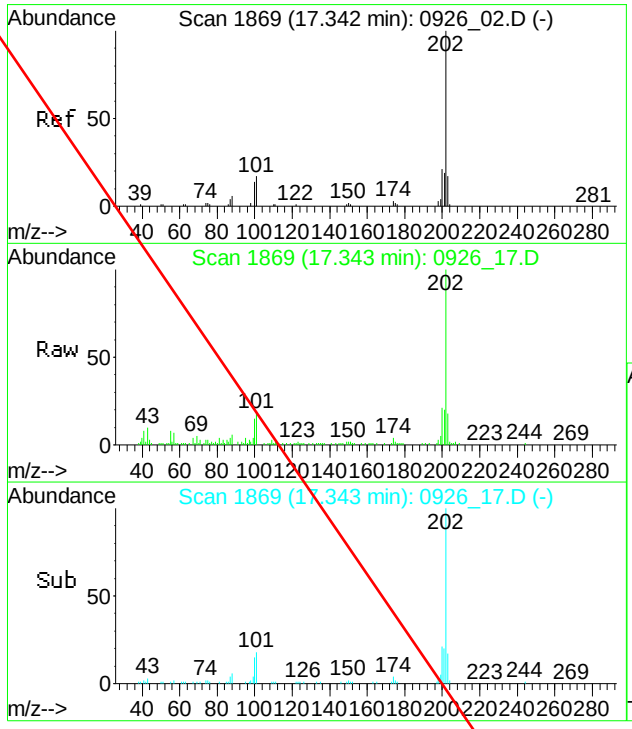


#77
Fluoranthene
Concen: 1.97 ng
RT: 16.96 min Scan# 1817
Delta R.T. -0.01 min
Lab File: 0926_17.D
Acq: 26 Sep 2013 4:26 pm

Tgt Ion:202 Resp: 58662

Ion	Ratio	Lower	Upper
202	100		
200	21.4	0.0	51.0
203	18.0	0.0	47.5

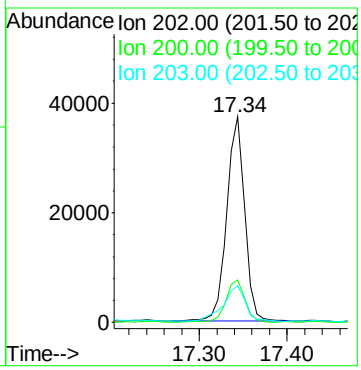


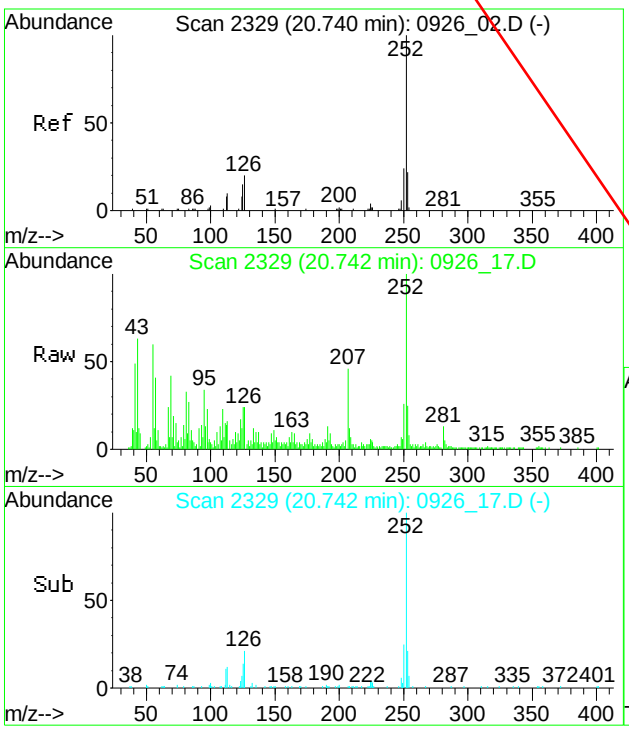


#79
Pyrene
Concen: 1.70 ng
RT: 17.34 min Scan# 1869
Delta R.T. 0.00 min
Lab File: 0926_17.D
Acq: 26 Sep 2013 4:26 pm

Tgt Ion:202 Resp: 52572

Ion	Ratio	Lower	Upper
202	100		
200	22.6	0.0	51.3
203	21.6	0.0	48.0

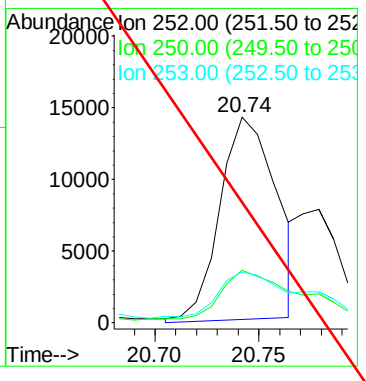




#89
Benzo(b)fluoranthene
Concen: 1.43 ng m
RT: 20.74 min Scan# 2329
Delta R.T. 0.00 min
Lab File: 0926_17.D
Acq: 26 Sep 2013 4:26 pm

Tgt Ion:252 Resp: 26797

Ion	Ratio	Lower	Upper
252	100		
250	35.0	0.0	53.9
253	33.9	0.0	52.1



6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument ID: CHEM09 Calibration Date(s): 09/23/13 09/23/13

Heated Purge (Y/N): Y Calibration Time(s): 15:43 18:13

GC Column: v factor 4

LAB FILE ID:

RRF3.5 = 0923_07A.D RRF10 = 0923_06A.D RRF20 = 0923_05A.D
RRF30 = 0923_02A.D RRF50 = 0923_04A.D RRF70 = 0923_03A.D

COMPOUND		RRF3.5	RRF10	RRF20	RRF30	RRF50	RRF70	$\overline{RRF}$	% RSD
N-Nitrosodimethylamine		0.999	0.995	1.010	1.067	0.990	1.045	1.018	3.1
Phenol		2.214	2.106	2.023	2.003	1.808	1.702	1.976	9.6
Bis(2-chloroethyl)ether		1.815	1.734	1.760	1.720	1.536	1.442	1.668	8.7
Benzaldehyde		0.619	0.647	0.592	1.063	0.892	0.616	0.738	26.3
2-Chlorophenol		1.459	1.377	1.359	1.332	1.303	1.262	1.349	5.0
2-Methylphenol (o-cresol)		1.255	1.184	1.136	1.111	1.059	1.018	1.127	7.6
Bis(2-chloroisopropyl)ether		3.394	3.203	3.087	3.190	2.720	2.532	3.021	10.8
N-Nitrosodi-n-propylamine			0.938	0.886	0.867	0.698	0.645	0.807	15.8
3&4-Methylphenol (m&p-cresol)		1.824	1.699	1.656	1.622	1.550	1.516	1.645	6.7
Acetophenone		2.099	1.911	1.817	1.773	1.593	1.447	1.773	13.0
Hexachloroethane		0.688	0.635	0.628	0.626	0.586	0.548	0.618	7.7
Nitrobenzene		1.708	1.598	1.561	1.532	1.427	1.337	1.527	8.5
Isophorone		1.024	0.930	0.884	0.845	0.757	0.715	0.859	13.2
2-Nitrophenol	*	0.078	0.072	0.074	0.068	0.068	0.066	0.071	6.3
2,4-Dimethylphenol		0.416	0.366	0.352	0.335	0.302	0.290	0.343	13.4
Bis(2-chloroethoxy)methane		0.638	0.564	0.544	0.510	0.438	0.409	0.517	16.3
2,4-Dichlorophenol		0.357	0.328	0.328	0.302	0.306	0.293	0.319	7.3
Naphthalene		1.160	1.038	0.939	0.878	0.717		0.946	17.6
4-Chloroaniline		0.126	0.112	0.102	0.107	0.094	0.090	0.105	12.3
Hexachlorobutadiene		0.136	0.125	0.124	0.115	0.114	0.107	0.120	8.5
4-Chloro-3-methylphenol		0.368	0.329	0.303	0.302	0.291	0.284	0.313	9.9
2-Methylnaphthalene		0.821	0.724	0.693	0.632	0.589	0.534	0.665	15.4
Hexachlorocyclopentadiene		0.133	0.110	0.117	0.114	0.121	0.122	0.120	6.6
1,2,4,5-Tetrachlorobenzene		0.266	0.245	0.243	0.227	0.220	0.203	0.234	9.4
2,4,6-Trichlorophenol		0.344	0.318	0.337	0.329	0.341	0.342	0.335	2.9
2,4,5-Trichlorophenol		0.366	0.338	0.352	0.346	0.364	0.369	0.356	3.4
2-Chloronaphthalene		1.328	1.240	1.202	1.158	1.124	1.073	1.187	7.6
4-Nitroaniline		0.436	0.395	0.396	0.398	0.381	0.370	0.396	5.7
Dimethylphthalate		1.505	1.409	1.368	1.328	1.324	1.293	1.371	5.6
2,6-Dinitrotoluene		0.351	0.330	0.336	0.325	0.341	0.336	0.337	2.7
Acenaphthylene		2.096	1.964	1.873	1.818	1.721	1.599	1.845	9.5
3-Nitroaniline		0.213	0.171	0.145	0.196	0.216	0.246	0.198	18.2
Acenaphthene		1.215	1.125	1.086	1.073	1.020	0.968	1.081	7.9
2,4-Dinitrophenol		0.100	0.107	0.131	0.125	0.172		0.127	22.1

* The minimum RRF was not met for this compound.
# The minimum RRF was not met for all points for this compound, but the average was achieved.

FORM VI SV

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument ID: CHEM09 Calibration Date(s): 09/23/13 09/23/13

Heated Purge (Y/N): Y Calibration Time(s): 15:43 18:13

GC Column: v factor 4

LAB FILE ID:

RRF3.5 = 0923_07A.D RRF10 = 0923_06A.D RRF20 = 0923_05A.D
RRF30 = 0923_02A.D RRF50 = 0923_04A.D RRF70 = 0923_03A.D

COMPOUND		RRF3.5	RRF10	RRF20	RRF30	RRF50	RRF70	$\overline{RRF}$	% RSD
Caprolactam		0.151	0.133	0.127	0.123	0.120	0.122	0.129	9.0
Dibenzofuran		1.772	1.629	1.583	1.539	1.528	1.485	1.589	6.4
2,4-Dinitrotoluene		0.432	0.401	0.419	0.404	0.433	0.436	0.421	3.6
4-Nitrophenol		0.239	0.219	0.225	0.230	0.235	0.239	0.231	3.5
Diethyl phthalate		1.505	1.353	1.314	1.303	1.259	1.193	1.321	8.0
Fluorene		1.377	1.264	1.217	1.197	1.146	1.075	1.213	8.5
4-Chlorophenyl phenyl ether		0.541	0.495	0.494	0.487	0.477	0.445	0.490	6.4
2-Nitroaniline		0.112	0.084	0.068	0.082	0.076	0.077	0.083	18.1
4,6-Dinitro-2-methylphenol		0.165	0.151	0.175	0.169	0.213	0.228	0.184	16.4
N-Nitrosodiphenylamine		0.903	0.786	0.742	0.719	0.701	0.702	0.759	10.2
4-Bromophenyl phenyl ether		0.169	0.161	0.162	0.157	0.156	0.146	0.158	4.9
Hexachlorobenzene	*	0.102	0.096	0.092	0.091	0.083	0.075	0.090	10.5
Atrazine		0.181	0.169	0.161	0.138	0.128		0.156	14.1
1,1-Biphenyl		1.691	1.555	1.515	1.459	1.377	1.263	1.477	10.0
Pentachlorophenol		0.125	0.117	0.125	0.125	0.131	0.126	0.125	3.7
Phenanthrene		1.149	1.072	1.057	1.030	1.013	0.967	1.048	5.9
Anthracene		1.169	1.120	1.093	1.056	1.045	0.992	1.079	5.8
Carbazole			0.717	0.589	0.483	0.511	0.615	0.583	15.9
Di-n-butylphthalate		1.620	1.531	1.487	1.469	1.347	1.213	1.444	10.0
Fluoranthene		1.019	0.965	0.960	0.948	0.964	0.912	0.961	3.6
Pyrene		1.046	0.997	0.993	0.978	1.005	0.944	0.994	3.4
Benzyl butyl phthalate		0.994	0.920	0.938	0.908	0.893	0.872	0.921	4.6
Bis(2-ethylhexyl)phthalate		1.447	1.401	1.359	1.306	1.149	1.079	1.290	11.3
Benz(a)anthracene		1.103	1.031	1.030	0.993	1.002	0.973	1.022	4.4
Chrysene		0.982	0.948	0.955	0.915	0.931	0.908	0.940	2.9
2,3,4,6-tetrachlorophenol		0.223	0.195	0.208	0.206	0.215	0.210	0.209	4.3
Di-n-octylphthalate		2.342	2.338	2.290	2.225	2.046	1.951	2.198	7.4
3,3'-dichlorobenzidine		0.269	0.261	0.219	0.256	0.235	0.223	0.244	8.7
Benzo(b)fluoranthene		1.022	1.037	1.095	1.096	1.069	1.146	1.077	4.2
Benzo(k)fluoranthene		1.098	1.094	1.070	1.028	1.048	0.934	1.045	5.8
Benzo(a)pyrene		0.974	0.974	0.974	0.965	1.001	0.984	0.979	1.3
Indeno(1,2,3-cd)pyrene		1.176	1.089	1.081	1.078	1.172	1.128	1.121	4.0
Dibenz(a,h)anthracene		0.969	0.892	0.894	0.890	0.962	0.928	0.922	3.9
Benzo(ghi)perylene		0.953	0.869	0.870	0.856	0.968	0.946	0.910	5.5

* The minimum RRF was not met for this compound.
# The minimum RRF was not met for all points for this compound, but the average was achieved.

FORM VI SV

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument ID: CHEM09 Calibration Date(s): 09/23/13 09/23/13

Heated Purge (Y/N): Y Calibration Time(s): 15:43 18:13

GC Column: v factor 4

LAB FILE ID:

RRF3.5 = 0923_07A.D RRF10 = 0923_06A.D RRF20 = 0923_05A.D
RRF30 = 0923_02A.D RRF50 = 0923_04A.D RRF70 = 0923_03A.D

COMPOUND		RRF3.5	RRF10	RRF20	RRF30	RRF50	RRF70	$\overline{RRF}$	% RSD
% 2-Fluorophenol		1.523	1.460	1.459	1.457	1.435	1.431	1.461	2.3
% Phenol-d5		2.017	1.907	1.862	1.830	1.633	1.609	1.809	8.8
% Nitrobenzene-d5		1.708	1.647	1.615	1.588	1.529	1.482	1.595	5.1
% 2-Fluorobiphenyl		1.475	1.384	1.355	1.314	1.306	1.246	1.347	5.8
% 2,4,6-Tribromophenol		0.078	0.073	0.074	0.073	0.068	0.065	0.072	6.4
% Terphenyl-d14		0.617	0.582	0.589	0.576	0.581	0.515	0.577	5.8

* The minimum RRF was not met for this compound.
# The minimum RRF was not met for all points for this compound, but the average was achieved.

FORM VI SV

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0923\0923_03A.D Vial: 3
Acq On : 23 Sep 2013 4:13 pm Operator:
Sample : 70PPM 8270 Inst : Instrumen
Misc : ICAL 70 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 18:32:43 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Mon Sep 23 18:32:35 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	714699	40.00	ng	0.00
23) Naphthalene-d8	9.73	136	2617310	40.00	ng	0.01
41) Acenaphthene-d10	12.67	164	1338653	40.00	ng	0.00
65) Phenanthrene-d10	15.16	188	2103697	40.00	ng	0.01
81) Chrysene-d12	19.52	240	1413329	40.00	ng	0.01
88) Perylene-d12	21.58	264	1360861	40.00	ng	0.02
System Monitoring Compounds						
5) % 2-Fluorophenol	5.55	112	1789652	68.73	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 91.64%			
6) % Phenol-d5	6.94	99	2012013	61.55	ng	0.02
Spiked Amount 75.000	Range 30 - 130		Recovery = 82.07%			
21) % Nitrobenzene-d5	8.51	82	1853457	65.32	ng	0.01
Spiked Amount 50.000	Range 30 - 130		Recovery = 130.64%#			
44) % 2-Fluorobiphenyl	11.52	172	2919609	66.38	ng	0.01
Spiked Amount 50.000	Range 30 - 130		Recovery = 132.76%#			
66) % 2,4,6-Tribromophenol	13.98	62	238870	62.53	ng	0.01
Spiked Amount 75.000	Range 30 - 130		Recovery = 83.37%			
80) % Terphenyl-d14	17.78	244	1894693	62.56	ng	0.01
Spiked Amount 50.000			Recovery = 125.12%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.99	74	1306867m	68.56	ng	
3) Pyridine	4.00	79	2230282m	66.03	ng	
4) Benzaldehyde	6.91	77	770023	40.54	ng	96
7) Phenol	6.96	94	2128321	59.47	ng	96
8) Bis(2-chloroethyl)ether	7.16	93	1803302	58.68	ng	98
9) Aniline	7.09	93	2174635	62.53	ng	98
10) 2-Chlorophenol	7.27	128	1577893	66.32	ng	96
11) 1,3-Dichlorobenzene	7.52	146	1784387	66.34	ng	99
12) 1,4-Dichlorobenzene	7.64	146	1722309	63.96	ng	98
13) Benzyl Alcohol	7.81	79	1416172	66.52	ng	99
14) 1,2-Dichlorobenzene	7.89	146	1658690	65.13	ng	98
15) 2-Methylphenol (o-cresol)	7.95	107	1273698	64.14	ng	100
16) Bis(2-chloroisopropyl)ethe	8.02	45	3166446	55.55	ng	92
17) N-Nitrosodi-n-propylamine	8.27	70	806971	52.12	ng	93
18) 3&4-Methylphenol (m&p-cres	8.22	107	1896186	65.45	ng	100
19) Acetophenone	8.26	105	1809151	57.10	ng	94
20) Hexachloroethane	8.45	117	685496	61.28	ng	92
22) Nitrobenzene	8.55	77	1672390	61.11	ng	98
24) Isophorone	8.94	82	3274484	59.22	ng	98
25) 2-Nitrophenol	9.07	81	300889	67.50	ng	92
26) 2,4-Dimethylphenol	9.11	107	1326718	60.57	ng	99
27) Bis(2-chloroethoxy)methane	9.28	93	1873985	56.11	ng	98
28) Benzoic Acid	9.35	105	1401866m	86.09	ng	
29) 2,4-Dichlorophenol	9.46	162	1342946	67.86	ng	96
30) 1,2,4-Trichlorobenzene	9.62	180	1444211	67.78	ng	99
31) 2,6-Dichlorophenol	9.46	162	1342946	72.13	ng	100
32) Naphthalene	9.76	128	2782377	48.45	ng	99
33) alpha-terpineol	9.76	59	845820	46.29	ng	94
34) 4-Chloroaniline	9.83	65	413438m	58.86	ng	
35) Caprolactam	10.49	113	557107	69.19	ng	97
36) Hexachlorobutadiene	9.95	225	490391	65.15	ng	99
37) 4-Chloro-3-methylphenol	10.63	107	1300452	65.81	ng	97
38) 2-Methylnaphthalene	10.92	142	2446765	59.17	ng	99
39) Hexachlorocyclopentadiene	11.17	237	557284	74.54	ng	100
40) 1,2,4,5-Tetrachlorobenzene	11.20	216	929857	62.49	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0923\0923_03A.D Vial: 3
Acq On : 23 Sep 2013 4:13 pm Operator:
Sample : 70PPM 8270 Inst : Instrumen
Misc : ICAL 70 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 18:32:43 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Mon Sep 23 18:32:35 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

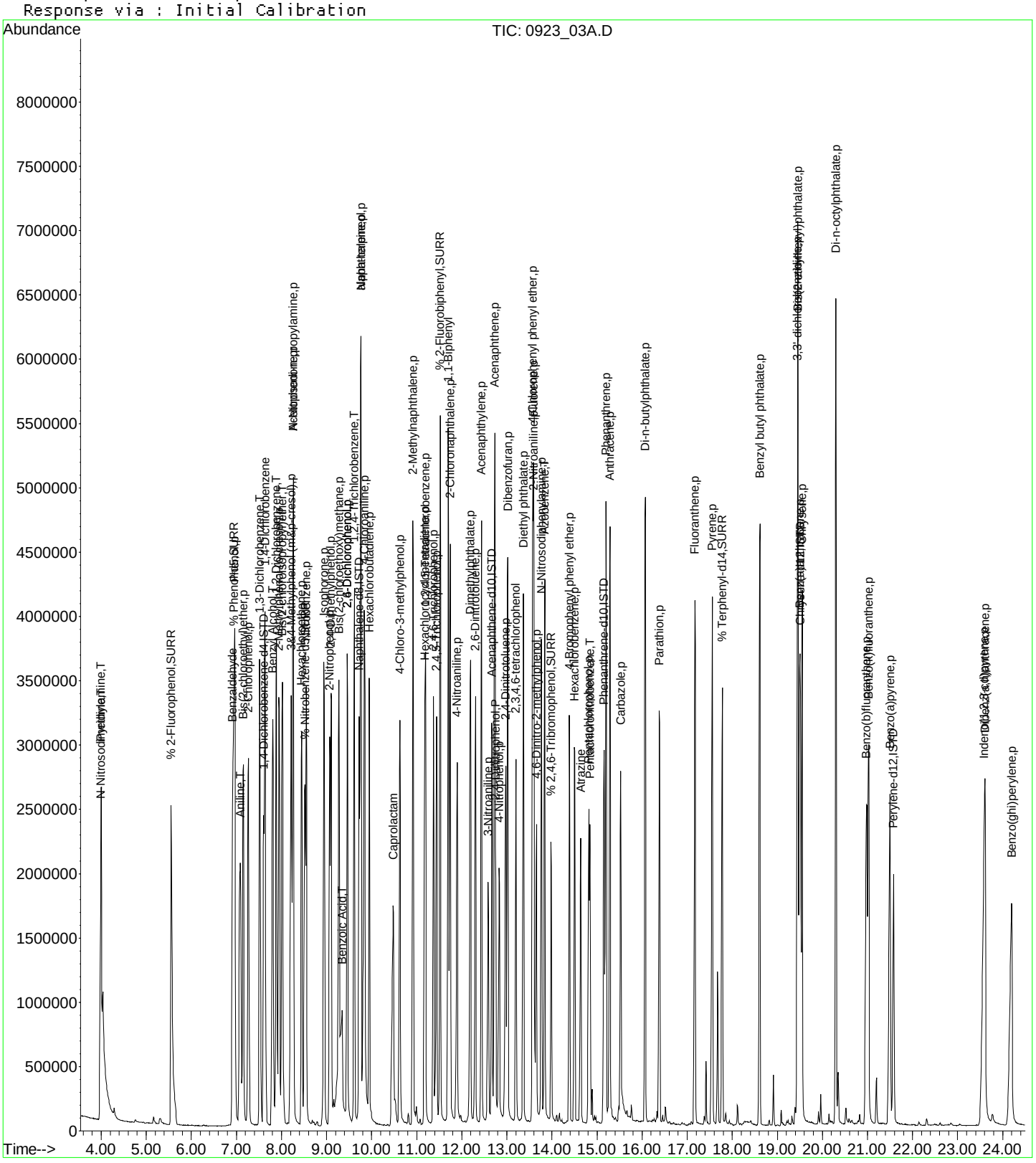
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
42)	2,4,6-Trichlorophenol	11.37	196	800160	72.73	ng		95
43)	2,4,5-Trichlorophenol	11.44	196	863468	74.50	ng		96
45)	2-Chloronaphthalene	11.74	162	2512436	64.85	ng		99
46)	4-Nitroaniline	11.90	65	865770	65.06	ng		95
47)	1,1-Biphenyl	11.70	154	2959196	60.59	ng		99
48)	Dimethylphthalate	12.19	163	3029874	68.20	ng		99
49)	2,6-Dinitrotoluene	12.30	165	788063	72.47	ng		93
50)	Acenaphthylene	12.44	152	3746256	61.58	ng		99
51)	3-Nitroaniline	12.59	138	576821	87.77	ng		98
52)	Acenaphthene	12.73	154	2266461	63.13	ng		96
53)	2,4-Dinitrophenol	12.76	184	434456	103.96	ng		97
54)	Dibenzofuran	13.02	168	3478217	67.53	ng		98
55)	2,4-Dinitrotoluene	12.98	165	1020677	75.42	ng		94
56)	4-Nitrophenol	12.83	65	560017	72.90	ng		95
57)	2,3,4,6-tetrachlorophenol	13.20	232	490842	71.34	ng		96
58)	Diethyl phthalate	13.37	149	2795294	64.11	ng		97
59)	Fluorene	13.59	166	2518168	62.85	ng		100
60)	4-Chlorophenyl phenyl ethe	13.57	204	1041219	63.95	ng		97
61)	2-Nitroaniline	13.60	108	180093	65.88	ng		90
62)	4,6-Dinitro-2-methylphenol	13.66	198	534534	94.59	ng		93
63)	N-Nitrosodiphenylamine	13.77	169	1643870	68.33	ng		99
64)	Azobenzene	13.84	77	2598165	53.55	ng		90
67)	4-Bromophenyl phenyl ether	14.39	248	535878	64.89	ng		89
68)	Hexachlorobenzene	14.50	142	277746	57.75	ng		86
69)	Pentachlorophenol	14.82	266	463533	70.81	ng		98
70)	Pentachloronitrobenzene	14.85	214	141274	68.61	ng		94
71)	Atrazine	14.64	200	343782	47.29	ng		95
72)	Phenanthrene	15.20	178	3561411	65.75	ng		100
73)	Anthracene	15.29	178	3651931	65.78	ng		99
74)	Carbazole	15.53	167	2262544	89.15	ng		99
75)	Di-n-butylphthalate	16.07	149	4464913	57.80	ng		100
76)	Parathion	16.38	97	651271	57.45	ng		93
77)	Fluoranthene	17.17	202	3356341	67.33	ng		100
79)	Pyrene	17.56	202	3474441	67.58	ng		100
82)	Benzyl butyl phthalate	18.61	149	2157607	67.22	ng		91
83)	Bis(2-ethylhexyl)phthalate	19.46	149	2669768	57.86	ng		96
84)	Benz(a)anthracene	19.49	228	2406486	68.59	ng		99
85)	Chrysene	19.55	228	2244886	69.42	ng		99
86)	Di-n-octylphthalate	20.30	149	4825962	61.40	ng		99
87)	3,3'-dichlorobenzidine	19.44	252	550370	60.83	ng		99
89)	Benzo(b)fluoranthene	20.99	252	2728746	73.22	ng		100
90)	Benzo(k)fluoranthene	21.03	252	2223164	63.56	ng		99
91)	Benzo(a)pyrene	21.50	252	2343920	71.39	ng		99
92)	Indeno(1,2,3-cd)pyrene	23.59	276	2685348	73.25	ng	#	69
93)	Dibenz(a,h)anthracene	23.61	278	2208956	72.93	ng		93
94)	Benzo(ghi)perylene	24.20	276	2253134	77.40	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0923\0923_03A.D Vial: 3
Acq On : 23 Sep 2013 4:13 pm Operator:
Sample : 70PPM 8270 Inst : Instrumen
Misc : ICAL 70 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 18:33 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Sep 27 13:08:00 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0923\0923_04A.D Vial: 4
Acq On : 23 Sep 2013 4:43 pm Operator:
Sample : 50PPM 8270 Inst : Instrumen
Misc : ICAL 50 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 18:35:23 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Mon Sep 23 18:34:39 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	604366	40.00	ng	0.00
23) Naphthalene-d8	9.72	136	2176793	40.00	ng	0.00
41) Acenaphthene-d10	12.67	164	1127834	40.00	ng	0.00
65) Phenanthrene-d10	15.15	188	1737204	40.00	ng	0.00
81) Chrysene-d12	19.51	240	1322078	40.00	ng	0.00
88) Perylene-d12	21.58	264	1224249	40.00	ng	0.02
System Monitoring Compounds						
5) % 2-Fluorophenol	5.56	112	1084242	49.69	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 66.25%			
6) % Phenol-d5	6.94	99	1233331	47.48	ng	0.02
Spiked Amount 75.000	Range 30 - 130		Recovery = 63.31%			
21) % Nitrobenzene-d5	8.51	82	1154978	49.80	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 99.60%			
44) % 2-Fluorobiphenyl	11.52	172	1841140	51.00	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 102.00%			
66) % 2,4,6-Tribromophenol	13.98	62	147455	49.38	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 65.84%			
80) % Terphenyl-d14	17.77	244	1261254	50.43	ng	0.00
Spiked Amount 50.000			Recovery = 100.86%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.99	74	747943m	46.88	ng	
3) Pyridine	4.02	79	1343560m	48.41	ng	
4) Benzaldehyde	6.91	77	673516	53.11	ng	94
7) Phenol	6.96	94	1365514	48.79	ng	98
8) Bis(2-chloroethyl)ether	7.14	93	1160078	48.57	ng	99
9) Aniline	7.08	93	1485553	53.36	ng	97
10) 2-Chlorophenol	7.26	128	984070	50.23	ng	96
11) 1,3-Dichlorobenzene	7.52	146	1123037	50.70	ng	99
12) 1,4-Dichlorobenzene	7.64	146	1089941	50.02	ng	99
13) Benzyl Alcohol	7.80	79	862359	49.12	ng	99
14) 1,2-Dichlorobenzene	7.89	146	1060121	51.00	ng	99
15) 2-Methylphenol (o-cresol)	7.95	107	799733	49.71	ng	100
16) Bis(2-chloroisopropyl)ethe	8.01	45	2054538	47.53	ng	95
17) N-Nitrosodi-n-propylamine	8.25	70	527222	46.16	ng	96
18) 3&4-Methylphenol (m&p-cres	8.20	107	1171268	49.41	ng	99
19) Acetophenone	8.25	105	1203351	49.47	ng	95
20) Hexachloroethane	8.45	117	442560	49.89	ng	95
22) Nitrobenzene	8.55	77	1078333	49.76	ng	98
24) Isophorone	8.93	82	2058339	48.49	ng	98
25) 2-Nitrophenol	9.06	81	185278	50.88	ng	93
26) 2,4-Dimethylphenol	9.09	107	820444	48.29	ng	99
27) Bis(2-chloroethoxy)methane	9.27	93	1191052	47.60	ng	98
28) Benzoic Acid	9.29	105	737975	48.87	ng	97
29) 2,4-Dichlorophenol	9.46	162	832891	51.39	ng	97
30) 1,2,4-Trichlorobenzene	9.61	180	889671	51.01	ng	99
31) 2,6-Dichlorophenol	9.46	162	839672	53.41	ng	100
32) Naphthalene	9.76	128	1949922	48.25	ng	99
33) alpha-terpineol	9.75	59	590341	46.77	ng	95
34) 4-Chloroaniline	9.82	65	254679	47.36	ng	99
35) Caprolactam	10.44	113	326618	49.06	ng	97
36) Hexachlorobutadiene	9.95	225	308919	51.12	ng	99
37) 4-Chloro-3-methylphenol	10.61	107	791372	49.64	ng	97
38) 2-Methylnaphthalene	10.92	142	1603780	50.54	ng	99
39) Hexachlorocyclopentadiene	11.17	237	329293	51.30	ng	99
40) 1,2,4,5-Tetrachlorobenzene	11.19	216	598257	51.08	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0923\0923_04A.D Vial: 4
Acq On : 23 Sep 2013 4:43 pm Operator:
Sample : 50PPM 8270 Inst : Instrumen
Misc : ICAL 50 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 18:35:23 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Mon Sep 23 18:34:39 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

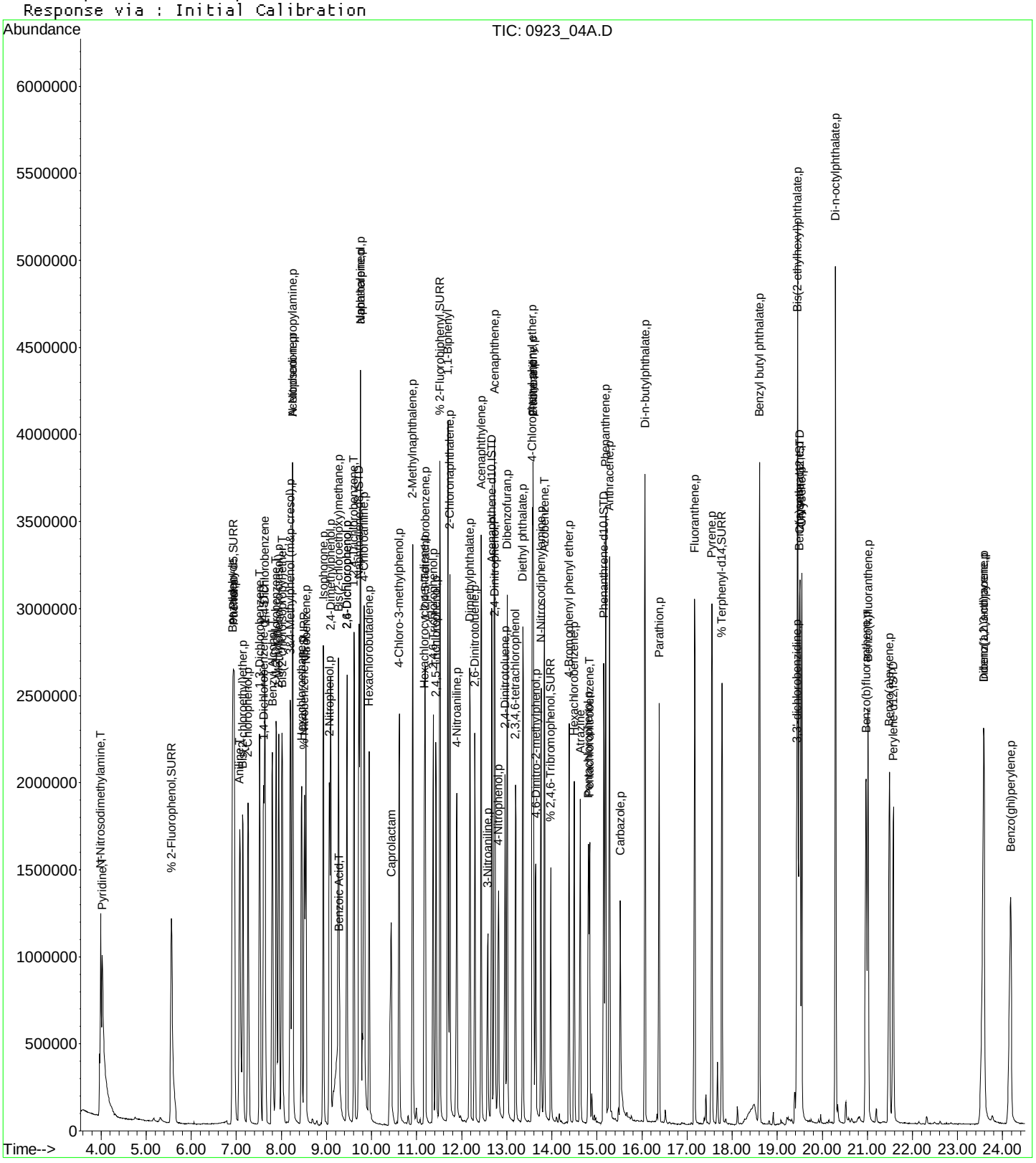
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2,4,6-Trichlorophenol	11.37	196	480001	50.79	ng	97
43)	2,4,5-Trichlorophenol	11.43	196	513308	50.93	ng	96
45)	2-Chloronaphthalene	11.74	162	1584553	50.40	ng	98
46)	4-Nitroaniline	11.89	65	536717	49.62	ng	97
47)	1,1-Biphenyl	11.69	154	1940692	50.56	ng	100
48)	Dimethylphthalate	12.18	163	1867129	50.53	ng	100
49)	2,6-Dinitrotoluene	12.29	165	480562	51.54	ng	94
50)	Acenaphthylene	12.43	152	2426446	50.37	ng	100
51)	3-Nitroaniline	12.58	138	303966	48.71	ng	96
52)	Acenaphthene	12.73	154	1437563	49.98	ng	98
53)	2,4-Dinitrophenol	12.74	184	242025	55.32	ng	98
54)	Dibenzofuran	13.02	168	2153919	50.53	ng	99
55)	2,4-Dinitrotoluene	12.96	165	610441	51.54	ng	94
56)	4-Nitrophenol	12.82	65	331624	50.20	ng	96
57)	2,3,4,6-tetrachlorophenol	13.20	232	302685	51.72	ng	97
58)	Diethyl phthalate	13.36	149	1774561	50.43	ng	98
59)	Fluorene	13.58	166	1615133	50.42	ng	100
60)	4-Chlorophenyl phenyl ethe	13.57	204	672281	51.22	ng	98
61)	2-Nitroaniline	13.59	108	106734	47.75	ng	88
62)	4,6-Dinitro-2-methylphenol	13.64	198	300752	53.73	ng	96
63)	N-Nitrosodiphenylamine	13.76	169	987505	49.31	ng	98
64)	Azobenzene	13.84	77	1756268	48.68	ng	94
67)	4-Bromophenyl phenyl ether	14.38	248	337745	51.40	ng	92
68)	Hexachlorobenzene	14.49	142	179615	49.56	ng	93
69)	Pentachlorophenol	14.81	266	283795	52.20	ng	98
70)	Pentachloronitrobenzene	14.84	214	85217	50.62	ng	96
71)	Atrazine	14.63	200	278325	55.34	ng	95
72)	Phenanthrene	15.20	178	2200285	50.73	ng	100
73)	Anthracene	15.28	178	2270024	51.06	ng	100
74)	Carbazole	15.52	167	1109474	46.57	ng	99
75)	Di-n-butylphthalate	16.07	149	2925788	50.25	ng	100
76)	Parathion	16.38	97	433046	50.82	ng	95
77)	Fluoranthene	17.17	202	2092143	51.81	ng	100
79)	Pyrene	17.55	202	2182341	52.31	ng	100
82)	Benzyl butyl phthalate	18.61	149	1475222	50.13	ng	93
83)	Bis(2-ethylhexyl)phthalate	19.45	149	1898337	48.16	ng	98
84)	Benz(a)anthracene	19.49	228	1655986	50.97	ng	100
85)	Chrysene	19.55	228	1539137	51.09	ng	100
86)	Di-n-octylphthalate	20.29	149	3380363	48.99	ng	99
87)	3,3'-dichlorobenzidine	19.43	252	388347	49.10	ng	99
89)	Benzo(b)fluoranthene	20.97	252	1635971	47.70	ng	100
90)	Benzo(k)fluoranthene	21.02	252	1604140	53.44	ng	99
91)	Benzo(a)pyrene	21.49	252	1531216	51.33	ng	99
92)	Indeno(1,2,3-cd)pyrene	23.57	276	1792862	53.13	ng	91
93)	Dibenz(a,h)anthracene	23.59	278	1471918	52.91	ng	94
94)	Benzo(ghi)perylene	24.18	276	1480852	53.71	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0923\0923_04A.D Vial: 4
Acq On : 23 Sep 2013 4:43 pm Operator:
Sample : 50PPM 8270 Inst : Instrumen
Misc : ICAL 50 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 18:35 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Sep 27 13:08:00 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0923\0923_02A.D Vial: 2
Acq On : 23 Sep 2013 3:43 pm Operator:
Sample : 30PPM 8270 Inst : Instrumen
Misc : ICAL 30 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 18:30:34 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Mon Sep 23 13:37:08 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	516946	40.00	ng		0.00
23) Naphthalene-d8	9.71	136	1820659	40.00	ng		0.00
41) Acenaphthene-d10	12.66	164	935455	40.00	ng		0.00
65) Phenanthrene-d10	15.14	188	1408344	40.00	ng		0.00
81) Chrysene-d12	19.50	240	1103493	40.00	ng		0.00
88) Perylene-d12	21.56	264	1027103	40.00	ng		-0.02
System Monitoring Compounds							
5) % 2-Fluorophenol	5.55	112	564984	30.98	ng		0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 41.31%				
6) % Phenol-d5	6.92	99	709370	30.98	ng		0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 41.31%				
21) % Nitrobenzene-d5	8.50	82	615739	28.86	ng		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 57.72%				
44) % 2-Fluorobiphenyl	11.51	172	922109	30.09	ng		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 60.18%				
66) % 2,4,6-Tribromophenol	13.97	62	76726	25.84	ng		0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 34.45%				
80) % Terphenyl-d14	17.77	244	608243	20.89	ng		0.00
Spiked Amount 50.000			Recovery = 41.78%				
Target Compounds							Qvalue
2) N-Nitrosodimethylamine	3.97	74	413621m	26.74	ng		
3) Pyridine	4.01	79	732939m	27.98	ng		
4) Benzaldehyde	6.91	77	412186	36.55	ng		99
7) Phenol	6.94	94	776595	30.37	ng	#	93
8) Bis(2-chloroethyl)ether	7.13	93	666893	31.10	ng		99
9) Aniline	7.06	93	754668	24.17	ng	#	1
10) 2-Chlorophenol	7.25	128	516293	27.42	ng		98
11) 1,3-Dichlorobenzene	7.51	146	583658	28.65	ng		100
12) 1,4-Dichlorobenzene	7.63	146	584293	28.86	ng		99
13) Benzyl Alcohol	7.78	79	461965	70.34	ng		98
14) 1,2-Dichlorobenzene	7.88	146	552620	28.48	ng		100
15) 2-Methylphenol (o-cresol)	7.93	107	430891	30.74	ng		99
16) Bis(2-chloroisopropyl)ethe	8.01	45	1236922	35.74	ng		98
17) N-Nitrosodi-n-propylamine	8.23	70	335974	25.00	ng		99
18) 3&4-Methylphenol (m&p-cres	8.18	107	628681	32.35	ng		99
19) Acetophenone	8.24	105	687574	28.77	ng		98
20) Hexachloroethane	8.44	117	242715	28.87	ng		98
22) Nitrobenzene	8.53	77	593803	28.13	ng		98
24) Isophorone	8.92	82	1153818	29.84	ng		99
25) 2-Nitrophenol	9.06	81	93031	27.59	ng		98
26) 2,4-Dimethylphenol	9.09	107	457138	31.32	ng		98
27) Bis(2-chloroethoxy)methane	9.26	93	696925	31.46	ng		98
28) Benzoic Acid	9.22	105	339829	32.19	ng	#	100
29) 2,4-Dichlorophenol	9.45	162	412978	31.35	ng		98
30) 1,2,4-Trichlorobenzene	9.60	180	444686	32.45	ng		100
31) 2,6-Dichlorophenol	9.83	162	388555	31.23	ng		99
32) Naphthalene	9.75	128	1198425	25.91	ng		99
33) alpha-terpineol	9.74	59	381277	27.14	ng		99
34) 4-Chloroaniline	9.82	65	146589	19.80	ng	#	98
35) Caprolactam	10.39	113	168034	31.82	ng		98
36) Hexachlorobutadiene	9.94	225	157075	22.45	ng		99
37) 4-Chloro-3-methylphenol	10.60	107	412394	33.13	ng		84
38) 2-Methylnaphthalene	10.90	142	862883	29.10	ng		99
39) Hexachlorocyclopentadiene	11.17	237	156013	24.33	ng		99
40) 1,2,4,5-Tetrachlorobenzene	11.18	216	310505	25.84	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0923\0923_02A.D Vial: 2
Acq On : 23 Sep 2013 3:43 pm Operator:
Sample : 30PPM 8270 Inst : Instrumen
Misc : ICAL 30 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 18:30:34 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Mon Sep 23 13:37:08 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

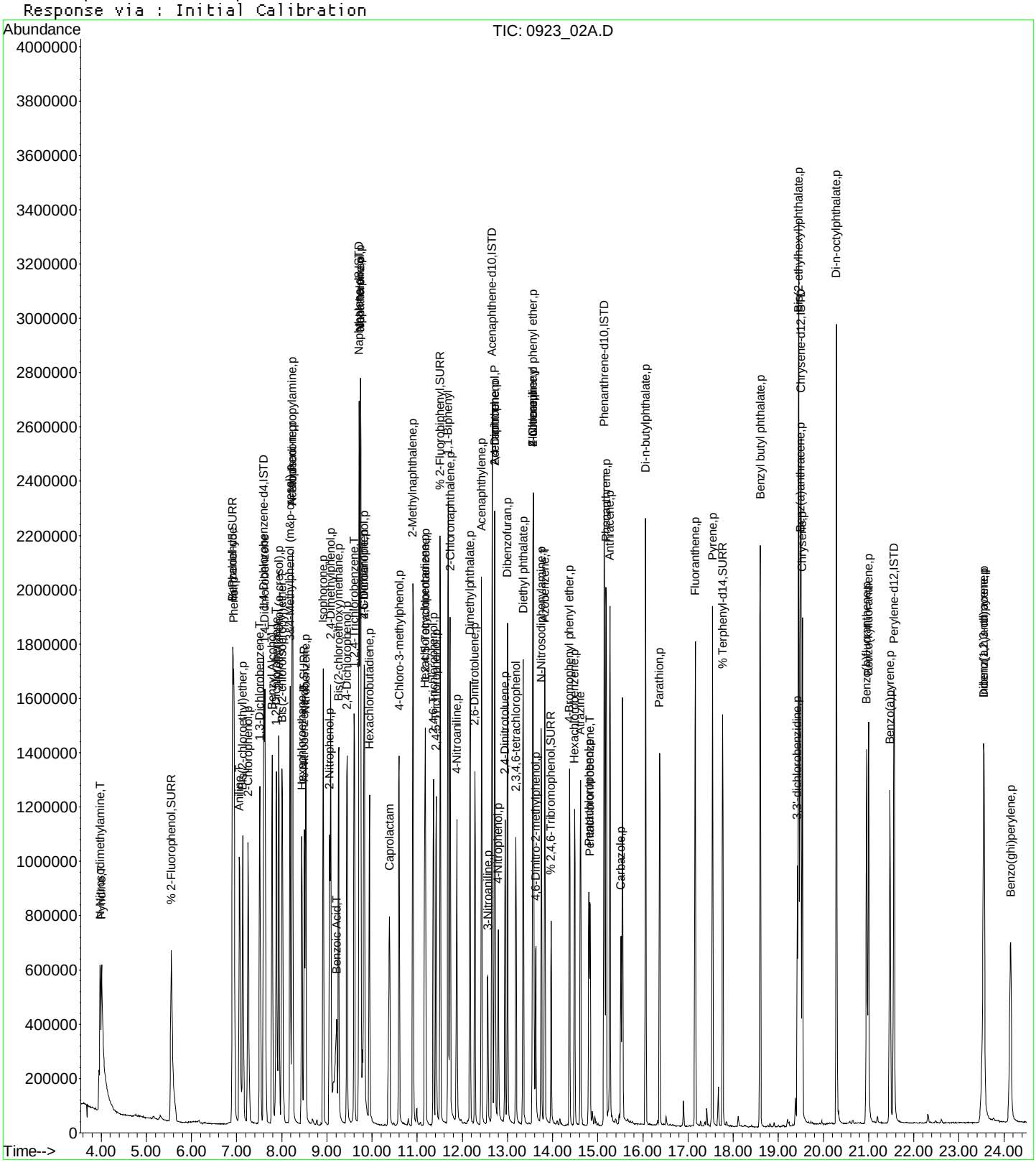
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
42)	2,4,6-Trichlorophenol	11.36	196	230638	29.66	ng		94
43)	2,4,5-Trichlorophenol	11.42	196	242978	29.53	ng		98
45)	2-Chloronaphthalene	11.73	162	812160	30.67	ng		100
46)	4-Nitroaniline	11.88	65	278985	24.79	ng		97
47)	1,1-Biphenyl	11.69	154	1023815	30.28	ng		100
48)	Dimethylphthalate	12.17	163	931365	28.27	ng		99
49)	2,6-Dinitrotoluene	12.28	165	227980	28.44	ng		98
50)	Acenaphthylene	12.42	152	1275307	27.83	ng		100
51)	3-Nitroaniline	12.56	138	137774	20.61	ng		92
52)	Acenaphthene	12.72	154	752696	29.59	ng		100
53)	2,4-Dinitrophenol	12.73	184	87608	19.59	ng		99
54)	Dibenzofuran	13.00	168	1079717	29.07	ng		99
55)	2,4-Dinitrotoluene	12.95	165	283718	27.68	ng	#	100
56)	4-Nitrophenol	12.79	65	161044	25.66	ng	#	1
57)	2,3,4,6-tetrachlorophenol	13.19	232	144237	22.18	ng		99
58)	Diethyl phthalate	13.35	149	914060	26.96	ng		100
59)	Fluorene	13.58	166	839928	29.36	ng		100
60)	4-Chlorophenyl phenyl ethe	13.56	204	341358	26.80	ng		99
61)	2-Nitroaniline	13.58	108	57310	22.66	ng		94
62)	4,6-Dinitro-2-methylphenol	13.63	198	118467	21.71	ng		95
63)	N-Nitrosodiphenylamine	13.75	169	504383	28.45	ng		100
64)	Azobenzene	13.83	77	1017178	25.92	ng		98
67)	4-Bromophenyl phenyl ether	14.37	248	165852	20.76	ng		98
68)	Hexachlorobenzene	14.49	142	96592	24.89	ng		100
69)	Pentachlorophenol	14.80	266	131481	25.66	ng		99
70)	Pentachloronitrobenzene	14.83	214	41356	19.11	ng		99
71)	Atrazine	14.62	200	146017	23.16	ng	#	1
72)	Phenanthrene	15.18	178	1087882	29.72	ng		100
73)	Anthracene	15.27	178	1114932	29.27	ng		100
74)	Carbazole	15.51	167	509729	18.19	ng		99
75)	Di-n-butylphthalate	16.06	149	1551316	26.19	ng		100
76)	Parathion	16.37	97	227666	25.37	ng		99
77)	Fluoranthene	17.16	202	1001174	25.73	ng		99
79)	Pyrene	17.54	202	1032536	25.54	ng		100
82)	Benzyl butyl phthalate	18.60	149	751780	32.88	ng		100
83)	Bis(2-ethylhexyl)phthalate	19.45	149	1080851	33.57	ng	#	100
84)	Benz(a)anthracene	19.48	228	821858	27.50	ng		100
85)	Chrysene	19.53	228	757408	28.14	ng		100
86)	Di-n-octylphthalate	20.29	149	1841029	33.59	ng		100
87)	3,3'-dichlorobenzidine	19.42	252	211943	37.90	ng		100
89)	Benzo(b)fluoranthene	20.96	252	843858	27.25	ng		99
90)	Benzo(k)fluoranthene	21.00	252	792013	29.15	ng		100
91)	Benzo(a)pyrene	21.47	252	743382	27.19	ng		100
92)	Indeno(1,2,3-cd)pyrene	23.55	276	830019	29.38	ng		100
93)	Dibenz(a,h)anthracene	23.56	278	685844	30.19	ng		88
94)	Benzo(ghi)perylene	24.15	276	659153	28.85	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0923\0923_02A.D Vial: 2
Acq On : 23 Sep 2013 3:43 pm Operator:
Sample : 30PPM 8270 Inst : Instrumen
Misc : ICAL 30 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 18:31 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Sep 27 13:08:00 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0923\0923_05A.D Vial: 5
Acq On : 23 Sep 2013 5:12 pm Operator:
Sample : 20PPM 8270 Inst : Instrumen
Misc : ICAL 20 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 18:36:21 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Mon Sep 23 18:36:14 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	625929	40.00	ng		0.00
23) Naphthalene-d8	9.72	136	2117214	40.00	ng		0.00
41) Acenaphthene-d10	12.66	164	1151479	40.00	ng		0.00
65) Phenanthrene-d10	15.15	188	1714749	40.00	ng		0.00
81) Chrysene-d12	19.51	240	1368016	40.00	ng		0.00
88) Perylene-d12	21.57	264	1269124	40.00	ng		0.00
System Monitoring Compounds							
5) % 2-Fluorophenol	5.56	112	456487	20.24	ng		0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 26.99%#				
6) % Phenol-d5	6.92	99	582690	22.03	ng		0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 29.37%#				
21) % Nitrobenzene-d5	8.50	82	505537	21.07	ng		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 42.14%				
44) % 2-Fluorobiphenyl	11.51	172	780293	21.03	ng		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 42.06%				
66) % 2,4,6-Tribromophenol	13.96	62	62988	21.46	ng		0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 28.61%#				
80) % Terphenyl-d14	17.77	244	505278	20.38	ng		0.00
Spiked Amount 50.000			Recovery = 40.76%				
Target Compounds							Qvalue
2) N-Nitrosodimethylamine	3.98	74	316049m	19.53	ng		
3) Pyridine	3.99	79	565206m	19.87	ng		
4) Benzaldehyde	6.91	77	185208	13.81	ng		97
7) Phenol	6.94	94	633058	22.02	ng		100
8) Bis(2-chloroethyl)ether	7.14	93	550791	22.48	ng		96
9) Aniline	7.06	93	632626	21.46	ng		100
10) 2-Chlorophenol	7.26	128	425416	20.93	ng		98
11) 1,3-Dichlorobenzene	7.52	146	487419	21.15	ng		100
12) 1,4-Dichlorobenzene	7.63	146	475541	21.07	ng		99
13) Benzyl Alcohol	7.79	79	369138	20.42	ng		99
14) 1,2-Dichlorobenzene	7.88	146	464001	21.41	ng		99
15) 2-Methylphenol (o-cresol)	7.94	107	355418	21.37	ng		99
16) Bis(2-chloroisopropyl)ethe	8.01	45	966036	21.94	ng		99
17) N-Nitrosodi-n-propylamine	8.22	70	277363	24.06	ng		100
18) 3&4-Methylphenol (m&p-cres	8.19	107	518348	21.20	ng		100
19) Acetophenone	8.24	105	568668	22.65	ng		99
20) Hexachloroethane	8.45	117	196651	21.42	ng		98
22) Nitrobenzene	8.53	77	488528	21.80	ng		98
24) Isophorone	8.92	82	935661	22.89	ng		99
25) 2-Nitrophenol	9.06	81	78020	21.90	ng		97
26) 2,4-Dimethylphenol	9.08	107	372872	22.82	ng		98
27) Bis(2-chloroethoxy)methane	9.26	93	576261	24.06	ng		99
28) Benzoic Acid	9.21	105	278029	19.07	ng		100
29) 2,4-Dichlorophenol	9.44	162	347441	21.84	ng		99
30) 1,2,4-Trichlorobenzene	9.61	180	368575	21.58	ng		99
31) 2,6-Dichlorophenol	9.83	162	330966	21.16	ng		100
32) Naphthalene	9.75	128	994329	25.60	ng		100
33) alpha-terpineol	9.74	59	306420	25.51	ng		97
34) 4-Chloroaniline	9.82	65	108405	21.10	ng	#	98
35) Caprolactam	10.38	113	134218	20.86	ng		98
36) Hexachlorobutadiene	9.94	225	130737	22.08	ng		99
37) 4-Chloro-3-methylphenol	10.60	107	321070	20.76	ng		98
38) 2-Methylnaphthalene	10.91	142	733060	23.67	ng		100
39) Hexachlorocyclopentadiene	11.16	237	123373	19.59	ng		100
40) 1,2,4,5-Tetrachlorobenzene	11.19	216	256699	22.37	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0923\0923_05A.D Vial: 5
Acq On : 23 Sep 2013 5:12 pm Operator:
Sample : 20PPM 8270 Inst : Instrumen
Misc : ICAL 20 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 18:36:21 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Mon Sep 23 18:36:14 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

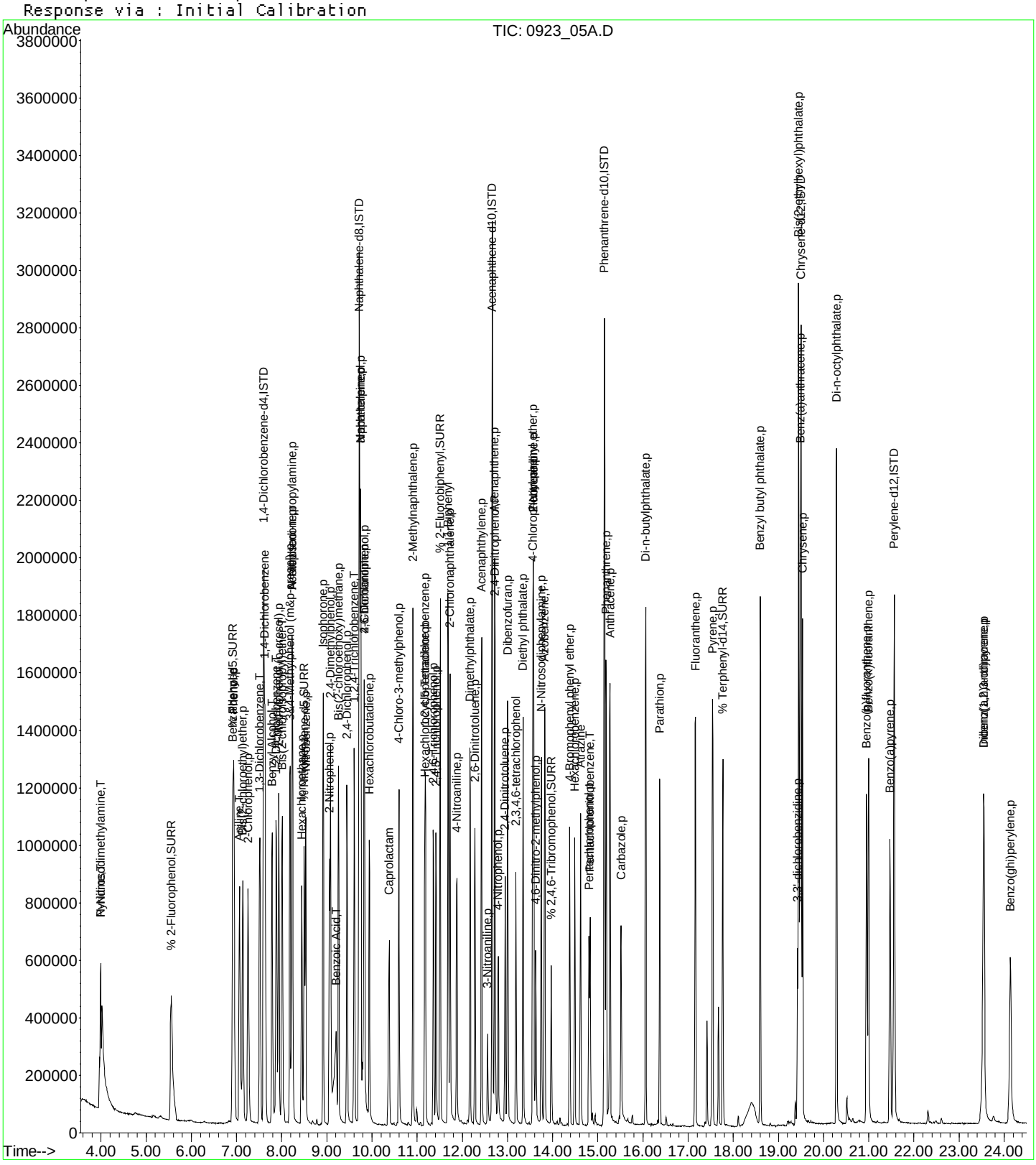
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2,4,6-Trichlorophenol	11.36	196	193829	19.98	ng	98
43)	2,4,5-Trichlorophenol	11.42	196	202601	19.57	ng	99
45)	2-Chloronaphthalene	11.73	162	692249	21.51	ng	99
46)	4-Nitroaniline	11.87	65	228018	20.70	ng	99
47)	1,1-Biphenyl	11.68	154	872392	22.18	ng	99
48)	Dimethylphthalate	12.17	163	787465	20.80	ng	99
49)	2,6-Dinitrotoluene	12.28	165	193422	20.11	ng	97
50)	Acenaphthylene	12.43	152	1078270	21.87	ng	100
51)	3-Nitroaniline	12.56	138	83301m	13.19	ng	
52)	Acenaphthene	12.72	154	625021	21.29	ng	99
53)	2,4-Dinitrophenol	12.73	184	75361	16.29	ng	99
54)	Dibenzofuran	13.00	168	911154	20.86	ng	100
55)	2,4-Dinitrotoluene	12.95	165	241199	19.74	ng	98
56)	4-Nitrophenol	12.80	65	129533	19.18	ng	98
57)	2,3,4,6-tetrachlorophenol	13.19	232	119463	19.77	ng	100
58)	Diethyl phthalate	13.34	149	756235	20.99	ng	99
59)	Fluorene	13.57	166	700475	21.36	ng	100
60)	4-Chlorophenyl phenyl ethe	13.56	204	284651	21.07	ng	100
61)	2-Nitroaniline	13.58	108	39082m	17.39	ng	
62)	4,6-Dinitro-2-methylphenol	13.62	198	100976	17.24	ng	98
63)	N-Nitrosodiphenylamine	13.75	169	427156	20.99	ng	100
64)	Azobenzene	13.82	77	838007	22.95	ng	99
67)	4-Bromophenyl phenyl ether	14.38	248	138888	21.22	ng	98
68)	Hexachlorobenzene	14.49	142	79143	22.19	ng	100
69)	Pentachlorophenol	14.81	266	107158	19.68	ng	100
70)	Pentachloronitrobenzene	14.83	214	34756	20.83	ng	98
71)	Atrazine	14.62	200	138234	26.89	ng	99
72)	Phenanthrene	15.18	178	905859	21.06	ng	100
73)	Anthracene	15.27	178	936694	21.19	ng	99
74)	Carbazole	15.52	167	504737	21.97	ng	99
75)	Di-n-butylphthalate	16.06	149	1274807	22.14	ng	100
76)	Parathion	16.37	97	188233	22.26	ng	100
77)	Fluoranthene	17.16	202	822901	20.40	ng	100
79)	Pyrene	17.54	202	851631	20.37	ng	100
82)	Benzyl butyl phthalate	18.60	149	641464	21.05	ng	99
83)	Bis(2-ethylhexyl)phthalate	19.45	149	929874	23.08	ng	99
84)	Benz(a)anthracene	19.48	228	704559	20.82	ng	100
85)	Chrysene	19.54	228	653504	20.81	ng	100
86)	Di-n-octylphthalate	20.29	149	1566180	22.08	ng	99
87)	3,3'-dichlorobenzidine	19.42	252	150045	18.44	ng	99
89)	Benzo(b)fluoranthene	20.95	252	694973	19.85	ng	100
90)	Benzo(k)fluoranthene	21.00	252	678896	21.33	ng	100
91)	Benzo(a)pyrene	21.47	252	618048	19.81	ng	99
92)	Indeno(1,2,3-cd)pyrene	23.55	276	686139	19.61	ng	100
93)	Dibenz(a,h)anthracene	23.55	278	567395	19.67	ng	100
94)	Benzo(ghi)perylene	24.14	276	551738	18.84	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0923\0923_05A.D Vial: 5
Acq On : 23 Sep 2013 5:12 pm Operator:
Sample : 20PPM 8270 Inst : Instrumen
Misc : ICAL 20 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 18:37 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Sep 27 13:08:00 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0923\0923_06A.D Vial: 6
Acq On : 23 Sep 2013 5:43 pm Operator:
Sample : 10PPM 8270 Inst : Instrumen
Misc : ICAL 10 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 18:37:37 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Mon Sep 23 18:37:27 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	569760	40.00	ng		0.00
23) Naphthalene-d8	9.72	136	1920297	40.00	ng		0.00
41) Acenaphthene-d10	12.66	164	1048503	40.00	ng		0.00
65) Phenanthrene-d10	15.15	188	1571354	40.00	ng		0.00
81) Chrysene-d12	19.50	240	1230359	40.00	ng		0.00
88) Perylene-d12	21.57	264	1253950	40.00	ng		0.00
System Monitoring Compounds							
5) % 2-Fluorophenol	5.56	112	208020	10.10	ng		0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 13.47%#				
6) % Phenol-d5	6.92	99	271611	11.00	ng		0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 14.67%#				
21) % Nitrobenzene-d5	8.50	82	234547	10.60	ng		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 21.20%#				
44) % 2-Fluorobiphenyl	11.51	172	362725	10.60	ng		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 21.20%#				
66) % 2,4,6-Tribromophenol	13.96	62	28582	10.44	ng		0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 13.92%#				
80) % Terphenyl-d14	17.76	244	228566	10.00	ng		0.00
Spiked Amount 50.000			Recovery = 20.00%				
Target Compounds							Qvalue
2) N-Nitrosodimethylamine	3.99	74	141701m	9.68	ng		
3) Pyridine	4.03	79	261122m	10.10	ng		
4) Benzaldehyde	6.91	77	92113	8.18	ng		97
7) Phenol	6.94	94	300042	11.18	ng		99
8) Bis(2-chloroethyl)ether	7.14	93	246998	10.74	ng		99
9) Aniline	7.06	93	309055	11.31	ng		99
10) 2-Chlorophenol	7.26	128	196177	10.48	ng		99
11) 1,3-Dichlorobenzene	7.52	146	225390	10.59	ng		100
12) 1,4-Dichlorobenzene	7.63	146	221588	10.64	ng		97
13) Benzyl Alcohol	7.78	79	172223	10.41	ng		100
14) 1,2-Dichlorobenzene	7.88	146	216485	10.78	ng		100
15) 2-Methylphenol (o-cresol)	7.94	107	168708	10.96	ng		98
16) Bis(2-chloroisopropyl)ethe	8.01	45	456218	11.11	ng		99
17) N-Nitrosodi-n-propylamine	8.22	70	133618	12.12	ng		99
18) 3&4-Methylphenol (m&p-cres	8.18	107	242004	10.71	ng		99
19) Acetophenone	8.24	105	272181	11.53	ng		100
20) Hexachloroethane	8.45	117	90454	10.64	ng		98
22) Nitrobenzene	8.53	77	227593	10.91	ng		96
24) Isophorone	8.92	82	446569	11.63	ng		100
25) 2-Nitrophenol	9.06	81	34420	10.41	ng		98
26) 2,4-Dimethylphenol	9.08	107	175575	11.45	ng		100
27) Bis(2-chloroethoxy)methane	9.26	93	270592	11.86	ng		100
28) Benzoic Acid	9.16	105	111815m	8.56	ng		
29) 2,4-Dichlorophenol	9.44	162	157605	10.68	ng		99
30) 1,2,4-Trichlorobenzene	9.61	180	170610	10.80	ng		100
31) 2,6-Dichlorophenol	9.83	162	155205	10.79	ng		99
32) Naphthalene	9.75	128	498105	13.21	ng		99
33) alpha-terpineol	9.74	59	151472	13.01	ng		98
34) 4-Chloroaniline	9.81	65	53701	11.37	ng	#	99
35) Caprolactam	10.36	113	64044	10.86	ng		98
36) Hexachlorobutadiene	9.95	225	59776	10.85	ng		99
37) 4-Chloro-3-methylphenol	10.59	107	157920	11.15	ng		99
38) 2-Methylnaphthalene	10.91	142	347610	11.83	ng		100
39) Hexachlorocyclopentadiene	11.16	237	53000	9.33	ng		99
40) 1,2,4,5-Tetrachlorobenzene	11.19	216	117553	10.97	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0923\0923_06A.D Vial: 6
Acq On : 23 Sep 2013 5:43 pm Operator:
Sample : 10PPM 8270 Inst : Instrumen
Misc : ICAL 10 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 18:37:37 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Mon Sep 23 18:37:27 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

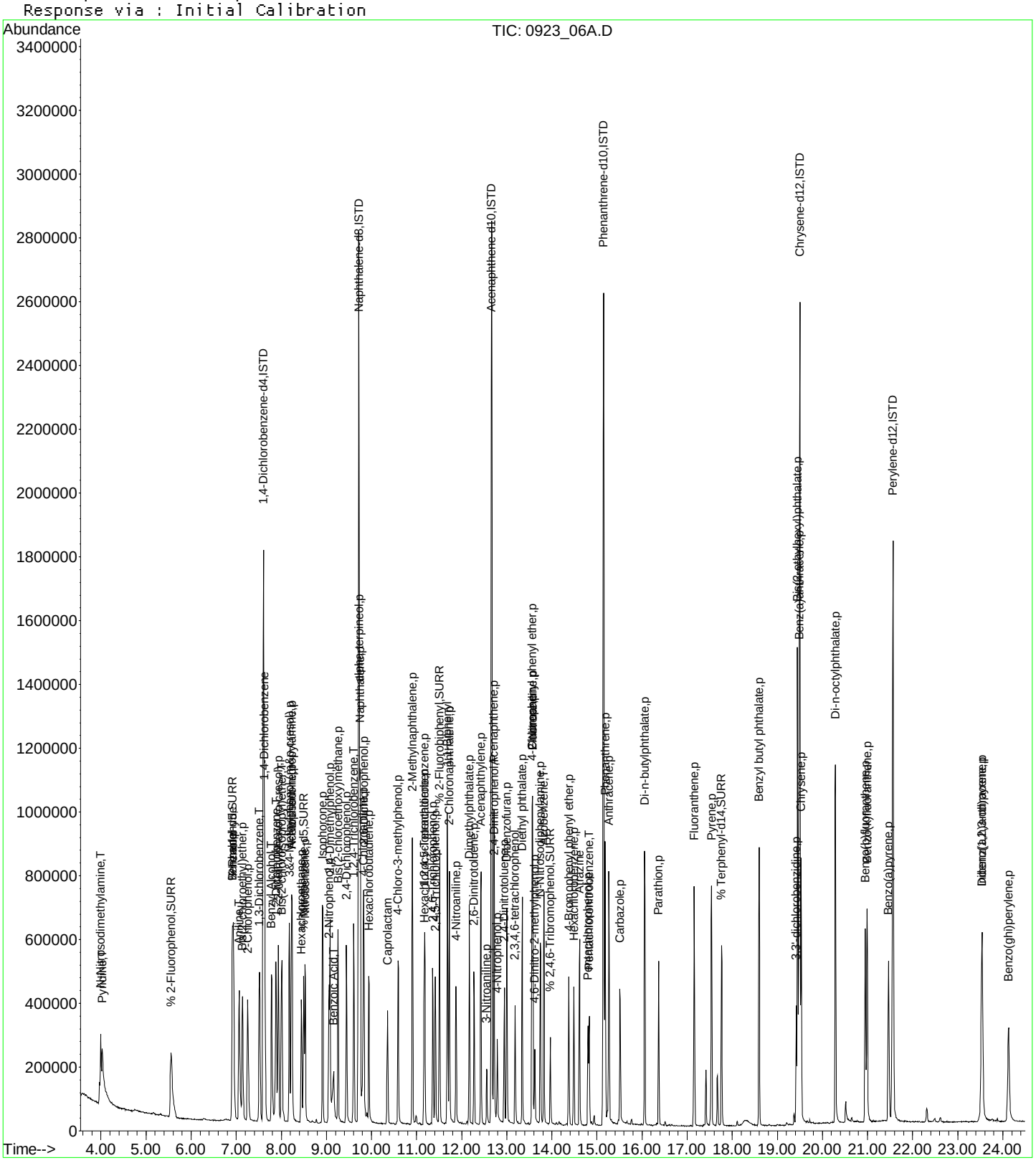
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2,4,6-Trichlorophenol	11.36	196	83464	9.45	ng	99
43)	2,4,5-Trichlorophenol	11.42	196	88686	9.46	ng	98
45)	2-Chloronaphthalene	11.73	162	325113	10.89	ng	100
46)	4-Nitroaniline	11.87	65	103649	10.24	ng	96
47)	1,1-Biphenyl	11.68	154	407572	11.08	ng	100
48)	Dimethylphthalate	12.17	163	369348	10.61	ng	100
49)	2,6-Dinitrotoluene	12.27	165	86500	9.86	ng	99
50)	Acenaphthylene	12.43	152	514868	11.21	ng	100
51)	3-Nitroaniline	12.56	138	44730	8.50	ng	96
52)	Acenaphthene	12.72	154	294846	10.85	ng	98
53)	2,4-Dinitrophenol	12.73	184	28145	7.01	ng	98
54)	Dibenzofuran	13.00	168	426866	10.62	ng	100
55)	2,4-Dinitrotoluene	12.95	165	105172	9.49	ng	100
56)	4-Nitrophenol	12.79	65	57417	9.43	ng	98
57)	2,3,4,6-tetrachlorophenol	13.19	232	51226	9.34	ng	97
58)	Diethyl phthalate	13.34	149	354541	10.67	ng	99
59)	Fluorene	13.57	166	331415	10.91	ng	99
60)	4-Chlorophenyl phenyl ethe	13.56	204	129648	10.40	ng	98
61)	2-Nitroaniline	13.57	108	22065	11.14	ng	94
62)	4,6-Dinitro-2-methylphenol	13.62	198	39646	7.70	ng	98
63)	N-Nitrosodiphenylamine	13.74	169	206003	10.98	ng	100
64)	Azobenzene	13.82	77	397846	11.54	ng	100
67)	4-Bromophenyl phenyl ether	14.38	248	63042	10.35	ng	98
68)	Hexachlorobenzene	14.49	142	37803	11.26	ng	97
69)	Pentachlorophenol	14.80	266	45785	9.21	ng	100
70)	Pentachloronitrobenzene	14.83	214	15486	10.02	ng	95
71)	Atrazine	14.61	200	66421	14.10	ng	99
72)	Phenanthrene	15.18	178	421214	10.55	ng	100
73)	Anthracene	15.26	178	439929	10.70	ng	99
74)	Carbazole	15.51	167	281819	13.06	ng	99
75)	Di-n-butylphthalate	16.06	149	601317	11.10	ng	100
76)	Parathion	16.37	97	84023	10.54	ng	98
77)	Fluoranthene	17.16	202	379023	10.20	ng	99
79)	Pyrene	17.54	202	391560	10.17	ng	100
82)	Benzyl butyl phthalate	18.60	149	282997	10.19	ng	99
83)	Bis(2-ethylhexyl)phthalate	19.45	149	430839	11.45	ng	98
84)	Benz(a)anthracene	19.48	228	317121	10.31	ng	100
85)	Chrysene	19.53	228	291495	10.22	ng	99
86)	Di-n-octylphthalate	20.29	149	718995	10.99	ng	99
87)	3,3'-dichlorobenzidine	19.42	252	80337	11.20	ng	98
89)	Benzo(b)fluoranthene	20.95	252	325145	9.42	ng	100
90)	Benzo(k)fluoranthene	20.99	252	343007	10.73	ng	99
91)	Benzo(a)pyrene	21.46	252	305322	9.93	ng	99
92)	Indeno(1,2,3-cd)pyrene	23.54	276	341389	9.94	ng	99
93)	Dibenz(a,h)anthracene	23.55	278	279622	9.87	ng	98
94)	Benzo(ghi)perylene	24.13	276	272517	9.42	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0923\0923_06A.D Vial: 6
Acq On : 23 Sep 2013 5:43 pm Operator:
Sample : 10PPM 8270 Inst : Instrumen
Misc : ICAL 10 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 18:38 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Sep 27 13:08:00 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0923\0923_07A.D Vial: 7
Acq On : 23 Sep 2013 6:13 pm Operator:
Sample : 3.5PPM 8270 Inst : Instrumen
Misc : ICAL 3.5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 18:39:09 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Mon Sep 23 18:39:00 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	765114	40.00	ng	0.00
23) Naphthalene-d8	9.71	136	2491771	40.00	ng	0.00
41) Acenaphthene-d10	12.67	164	1428616	40.00	ng	0.00
65) Phenanthrene-d10	15.15	188	2253143	40.00	ng	0.00
81) Chrysene-d12	19.50	240	1649678	40.00	ng	0.00
88) Perylene-d12	21.57	264	1719871	40.00	ng	0.00
System Monitoring Compounds						
5) % 2-Fluorophenol	5.55	112	101962	3.68	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery =	4.91%#		
6) % Phenol-d5	6.91	99	135043	3.99	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery =	5.32%#		
21) % Nitrobenzene-d5	8.49	82	114365	3.80	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery =	7.60%#		
44) % 2-Fluorobiphenyl	11.51	172	184354	3.91	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery =	7.82%#		
66) % 2,4,6-Tribromophenol	13.96	62	15354	3.88	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery =	5.17%#		
80) % Terphenyl-d14	17.76	244	121563	3.71	ng	0.00
Spiked Amount 50.000			Recovery =	7.42%		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.97	74	66875	3.42	ng	98
3) Pyridine	4.01	79	128847m	3.70	ng	
4) Benzaldehyde	6.91	77	41414	2.84	ng	97
7) Phenol	6.93	94	148186	4.02	ng	99
8) Bis(2-chloroethyl)ether	7.13	93	121515	3.88	ng	98
9) Aniline	7.06	93	162933	4.33	ng	97
10) 2-Chlorophenol	7.25	128	97656	3.85	ng	98
11) 1,3-Dichlorobenzene	7.51	146	112211	3.88	ng	99
12) 1,4-Dichlorobenzene	7.63	146	110063	3.89	ng	94
13) Benzyl Alcohol	7.78	79	86498	3.86	ng	99
14) 1,2-Dichlorobenzene	7.88	146	107736	3.93	ng	100
15) 2-Methylphenol (o-cresol)	7.93	107	84047	3.99	ng	97
16) Bis(2-chloroisopropyl)ethe	8.01	45	227191	4.03	ng	99
17) N-Nitrosodi-n-propylamine	8.22	70	73027	4.73	ng	96
18) 3&4-Methylphenol (m&p-cres	8.18	107	122115	3.97	ng	100
19) Acetophenone	8.23	105	140512	4.30	ng	99
20) Hexachloroethane	8.44	117	46027	3.98	ng	98
22) Nitrobenzene	8.52	77	114320	4.01	ng	97
24) Isophorone	8.91	82	223277	4.34	ng	99
25) 2-Nitrophenol	9.05	81	16956	3.92	ng	94
26) 2,4-Dimethylphenol	9.08	107	90754	4.43	ng	99
27) Bis(2-chloroethoxy)methane	9.25	93	139007	4.53	ng	98
28) Benzoic Acid	9.14	105	63861	3.88	ng	92
29) 2,4-Dichlorophenol	9.45	162	77864	4.01	ng	99
30) 1,2,4-Trichlorobenzene	9.60	180	85455	4.10	ng	99
31) 2,6-Dichlorophenol	9.82	162	78570	4.14	ng	100
32) Naphthalene	9.75	128	252799	4.86	ng	96
33) alpha-terpineol	9.73	59	74640	4.66	ng	98
34) 4-Chloroaniline	9.81	65	27450	4.36	ng	99
35) Caprolactam	10.34	113	32953	4.23	ng	98
36) Hexachlorobutadiene	9.94	225	29606	4.07	ng	99
37) 4-Chloro-3-methylphenol	10.59	107	80179	4.26	ng	99
38) 2-Methylnaphthalene	10.90	142	178899	4.53	ng	99
39) Hexachlorocyclopentadiene	11.16	237	29022	3.99	ng	99
40) 1,2,4,5-Tetrachlorobenzene	11.18	216	57998	4.09	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0923\0923_07A.D Vial: 7
Acq On : 23 Sep 2013 6:13 pm Operator:
Sample : 3.5PPM 8270 Inst : Instrumen
Misc : ICAL 3.5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 18:39:09 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Mon Sep 23 18:39:00 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

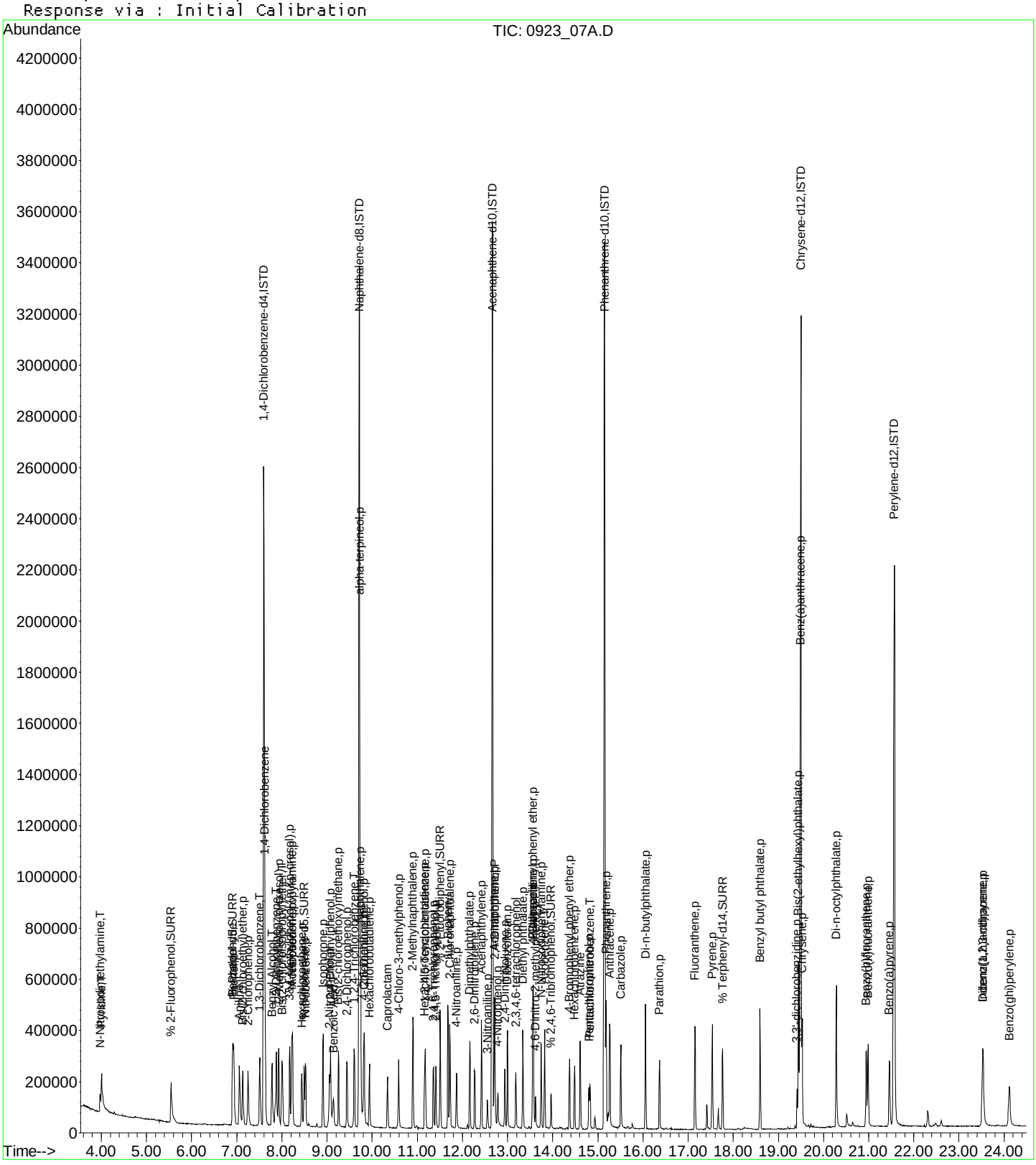
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2,4,6-Trichlorophenol	11.36	196	43005	3.61	ng	99
43)	2,4,5-Trichlorophenol	11.41	196	45767	3.62	ng	97
45)	2-Chloronaphthalene	11.72	162	165990	4.01	ng	99
46)	4-Nitroaniline	11.87	65	54454	3.93	ng	97
47)	1,1-Biphenyl	11.68	154	211421	4.13	ng	99
48)	Dimethylphthalate	12.16	163	188075	3.92	ng	99
49)	2,6-Dinitrotoluene	12.28	165	43908	3.68	ng	98
50)	Acenaphthylene	12.42	152	262054	4.09	ng	100
51)	3-Nitroaniline	12.56	138	26595	3.82	ng	95
52)	Acenaphthene	12.71	154	151850	4.03	ng	98
53)	2,4-Dinitrophenol	12.73	184	12481	2.28	ng	95
54)	Dibenzofuran	13.00	168	221527	4.00	ng	99
55)	2,4-Dinitrotoluene	12.94	165	53969	3.61	ng	100
56)	4-Nitrophenol	12.79	65	29908	3.65	ng	95
57)	2,3,4,6-tetrachlorophenol	13.18	232	27810	3.77	ng	98
58)	Diethyl phthalate	13.34	149	188097	4.10	ng	99
59)	Fluorene	13.57	166	172089	4.08	ng	97
60)	4-Chlorophenyl phenyl ethe	13.55	204	67581	3.95	ng	97
61)	2-Nitroaniline	13.57	108	13937	5.05	ng	94
62)	4,6-Dinitro-2-methylphenol	13.62	198	20646	3.08	ng	98
63)	N-Nitrosodiphenylamine	13.75	169	112861	4.33	ng	99
64)	Azobenzene	13.82	77	210981	4.36	ng	99
67)	4-Bromophenyl phenyl ether	14.37	248	33332	3.79	ng	98
68)	Hexachlorobenzene	14.48	142	20038	4.06	ng	93
69)	Pentachlorophenol	14.80	266	24673	3.52	ng	98
70)	Pentachloronitrobenzene	14.82	214	8022	3.62	ng	95
71)	Atrazine	14.61	200	35733	4.80	ng	99
72)	Phenanthrene	15.18	178	226487	3.91	ng	100
73)	Anthracene	15.26	178	230545	3.86	ng	100
74)	Carbazole	15.51	167	193426	5.89	ng	100
75)	Di-n-butylphthalate	16.06	149	319435	4.02	ng	100
76)	Parathion	16.37	97	41834	3.62	ng	97
77)	Fluoranthene	17.15	202	200857	3.76	ng	100
79)	Pyrene	17.54	202	206240	3.72	ng	100
82)	Benzyl butyl phthalate	18.59	149	143431	3.84	ng	99
83)	Bis(2-ethylhexyl)phthalate	19.45	149	208801	4.02	ng	98
84)	Benz(a)anthracene	19.48	228	159186	3.84	ng	99
85)	Chrysene	19.53	228	141690	3.69	ng	99
86)	Di-n-octylphthalate	20.28	149	338048	3.78	ng	100
87)	3,3'-dichlorobenzidine	19.42	252	38860	3.95	ng	98
89)	Benzo(b)fluoranthene	20.95	252	153802	3.29	ng	99
90)	Benzo(k)fluoranthene	20.99	252	165234	3.71	ng	99
91)	Benzo(a)pyrene	21.46	252	146589	3.48	ng	99
92)	Indeno(1,2,3-cd)pyrene	23.53	276	177029	3.76	ng	100
93)	Dibenz(a,h)anthracene	23.53	278	145767	3.76	ng	96
94)	Benzo(ghi)perylene	24.12	276	143402	3.67	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0923\0923_07A.D Vial: 7
Acq On : 23 Sep 2013 6:13 pm Operator:
Sample : 3.5PPM 8270 Inst : Instrumen
Misc : ICAL 3.5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 18:39 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Sep 27 13:08:00 2013
Response via : Initial Calibration



0923_07A.D SV_0923.M Fri Oct 04 14:50:34 2013 Page 3

7B
SEMIVOLATILE CONTINUINING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument: CHEM09 Calibration Date: 09/26/13 Time: 08:57

Lab File Id: 0926_02.D Init. Calib. Date(s): 09/23/13 09/23/13

Heated Purge (Y/N): Y Init. Calib. Times: 15:43 18:13

GC Column: v factor 4

COMPOUND	RRF	RRF30	RRF MIN	%D	MAX %D
N-Nitrosodimethylamine	1.018	0.893		12.2	
Phenol	1.976	1.795	0.800	9.2	25
Bis(2-chloroethyl)ether	1.668	1.503	0.700	9.9	25
Benzaldehyde	0.738	0.980		-32.9	
2-Chlorophenol	1.349	1.145	0.800	15.1	25
2-Methylphenol (o-cresol)	1.127	0.975		13.5	
Bis(2-chloroisopropyl)ether	3.021	3.247		-7.5	
N-Nitrosodi-n-propylamine	0.807	0.858	0.500	-6.3	25
3&4-Methylphenol (m&p-cresol)	1.645	1.437		12.6	
Acetophenone	1.773	1.681	0.010	5.2	40
Hexachloroethane	0.618	0.570	0.300	7.8	25
Nitrobenzene	1.527	1.490	0.200	2.4	25
Isophorone	0.859	0.831	0.400	3.2	25
2-Nitrophenol	0.071	0.073	* 0.100	-3.2	25
2,4-Dimethylphenol	0.343	0.315	0.200	8.2	25
Bis(2-chloroethoxy)methane	0.517	0.478	0.300	7.6	25
2,4-Dichlorophenol	0.319	0.325	0.200	-1.7	25
Naphthalene	0.946	0.858	0.700	9.3	25
4-Chloroaniline	0.105	0.114	0.010	-7.9	40
Hexachlorobutadiene	0.120	0.143	0.010	-19.5	40
4-Chloro-3-methylphenol	0.313	0.286	0.200	8.5	25
2-Methylnaphthalene	0.665	0.635	0.400	4.6	25
Hexachlorocyclopentadiene	0.120	0.129	0.010	-7.5	40
1,2,4,5-Tetrachlorobenzene	0.234	0.276	0.010	-17.9	40
2,4,6-Trichlorophenol	0.335	0.337	0.200	-0.6	25
2,4,5-Trichlorophenol	0.356	0.356	0.200	0.0	25
2-Chloronaphthalene	1.187	1.118	0.800	5.9	25
4-Nitroaniline	0.396	0.373	0.010	5.8	40
Dimethylphthalate	1.371	1.268	0.010	7.5	40
2,6-Dinitrotoluene	0.337	0.315	0.200	6.4	25
Acenaphthylene	1.845	1.667	0.900	9.7	25
3-Nitroaniline	0.198	0.217	0.010	-9.7	40
Acenaphthene	1.081	1.006	0.900	7.0	25
2,4-Dinitrophenol	0.127	0.124	0.010	2.5	40
Caprolactam	0.129	0.110		14.6	
Dibenzofuran	1.589	1.519	0.800	4.4	25

Max %D: Ten percent of target compounds are allowed to be above Max %D.
* Minimum RRF not met for this compound.

7C
SEMIVOLATILE CONTINUINING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument: CHEM09 Calibration Date: 09/26/13 Time: 08:57

Lab File Id: 0926_02.D Init. Calib. Date(s): 09/23/13 09/23/13

Heated Purge (Y/N): Y Init. Calib. Times: 15:43 18:13

GC Column: v factor 4

COMPOUND	RRF	RRF30	RRF MIN	%D	MAX %D
2,4-Dinitrotoluene	0.421	0.391	0.200	7.0	25
4-Nitrophenol	0.231	0.200	0.010	13.5	40
Diethyl phthalate	1.321	1.173	0.010	11.2	40
Fluorene	1.213	1.205	0.900	0.6	25
4-Chlorophenyl phenyl ether	0.490	0.537	0.400	-9.7	25
2-Nitroaniline	0.083	0.089		-6.8	
4,6-Dinitro-2-methylphenol	0.184	0.188	0.010	-2.3	40
N-Nitrosodiphenylamine	0.759	0.742	0.010	2.2	40
4-Bromophenyl phenyl ether	0.158	0.157	0.100	0.7	25
Hexachlorobenzene	0.090	0.080	* 0.100	10.7	25
Atrazine	0.156	0.151		2.7	
1,1-Biphenyl	1.477	1.362		7.8	
Pentachlorophenol	0.125	0.079	0.050	36.3	25
Phenanthrene	1.048	0.998	0.700	4.8	25
Anthracene	1.079	1.018	0.700	5.7	25
Carbazole	0.583	0.695	0.010	-19.3	40
Di-n-butylphthalate	1.444	1.260	0.010	12.8	40
Fluoranthene	0.961	0.944	0.600	1.8	25
Pyrene	0.994	0.991	0.600	0.3	25
Benzyl butyl phthalate	0.921	0.751	0.010	18.5	40
Bis(2-ethylhexyl)phthalate	1.290	1.111	0.010	13.9	40
Benz(a)anthracene	1.022	1.010	0.800	1.1	25
Chrysene	0.940	0.929	0.700	1.1	25
2,3,4,6-tetrachlorophenol	0.209	0.191		8.9	
Di-n-octylphthalate	2.198	1.855	0.010	15.6	40
3,3'-dichlorobenzidine	0.244	0.150	0.010	38.3	40
Benzo(b)fluoranthene	1.077	1.085	0.700	-0.7	25
Benzo(k)fluoranthene	1.045	1.046	0.700	0.0	25
Benzo(a)pyrene	0.979	0.960	0.700	1.9	25
Indeno(1,2,3-cd)pyrene	1.121	1.081	0.500	3.5	25
Dibenz(a,h)anthracene	0.922	0.895	0.400	2.9	25
Benzo(ghi)perylene	0.910	0.835	0.500	8.3	25
% 2-Fluorophenol	1.461	1.211		17.1	25
% Phenol-d5	1.809	1.643		9.2	25
% Nitrobenzene-d5	1.595	1.522		4.6	25
% 2-Fluorobiphenyl	1.347	1.322		1.9	25

Max %D: Ten percent of target compounds are allowed to be above Max %D.
* Minimum RRF not met for this compound.

7C
SEMIVOLATILE CONTINUINING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument: CHEM09 Calibration Date: 09/26/13 Time: 08:57

Lab File Id: 0926_02.D Init. Calib. Date(s): 09/23/13 09/23/13

Heated Purge (Y/N): Y Init. Calib. Times: 15:43 18:13

GC Column: v factor 4

COMPOUND	RRF	RRF30	RRF MIN	%D	MAX %D
% 2,4,6-Tribromophenol	0.072	0.067		7.0	25
% Terphenyl-d14	0.577	0.600		-4.0	25

Max %D: Ten percent of target compounds are allowed to be above Max %D.
* Minimum RRF not met for this compound.

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_02.D Vial: 2
Acq On : 26 Sep 2013 8:57 am Operator:
Sample : 30PPM 8270 Inst : Instrumen
Misc : CCAL 30 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 09:23:29 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Wed Sep 25 15:14:22 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	414381	40.00	ng	-0.04
23) Naphthalene-d8	9.53	136	1416595	40.00	ng	-0.04
41) Acenaphthene-d10	12.47	164	829252	40.00	ng	-0.05
65) Phenanthrene-d10	14.95	188	1309443	40.00	ng	-0.05
81) Chrysene-d12	19.33	240	1134320	40.00	ng	-0.04
88) Perylene-d12	21.32	264	999256	40.00	ng	-0.05
System Monitoring Compounds						
5) % 2-Fluorophenol	5.42	112	376233	24.86	ng	-0.03
Spiked Amount 75.000	Range 30 - 130		Recovery = 33.15%			
6) % Phenol-d5	6.79	99	510697	27.24	ng	-0.05
Spiked Amount 75.000	Range 30 - 130		Recovery = 36.32%			
21) % Nitrobenzene-d5	8.32	82	473037	28.63	ng	-0.05
Spiked Amount 50.000	Range 30 - 130		Recovery = 57.26%			
44) % 2-Fluorobiphenyl	11.33	172	822024	29.44	ng	-0.04
Spiked Amount 50.000	Range 30 - 130		Recovery = 58.88%			
66) % 2,4,6-Tribromophenol	13.78	62	65447	27.93	ng	-0.05
Spiked Amount 75.000	Range 30 - 130		Recovery = 37.24%			
80) % Terphenyl-d14	17.57	244	588848	31.20	ng	-0.04
Spiked Amount 50.000			Recovery = 62.40%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.84	74	277662m	26.34	ng	
3) Pyridine	3.88	79	484647m	25.48	ng	
4) Benzaldehyde	6.73	77	304687	39.86	ng	100
7) Phenol	6.81	94	557699	27.25	ng	95
8) Bis(2-chloroethyl)ether	6.97	93	467017	27.03	ng	95
9) Aniline	6.90	93	525975	24.81	ng	99
10) 2-Chlorophenol	7.10	128	355851	25.47	ng	97
11) 1,3-Dichlorobenzene	7.33	146	437514	27.44	ng	99
12) 1,4-Dichlorobenzene	7.45	146	442293	28.32	ng	100
13) Benzyl Alcohol	7.63	79	357352	28.96	ng	98
14) 1,2-Dichlorobenzene	7.70	146	420367	27.77	ng	99
15) 2-Methylphenol (o-cresol)	7.80	107	302896	25.94	ng	89
16) Bis(2-chloroisopropyl)ethe	7.83	45	1009176	32.25	ng	97
17) N-Nitrosodi-n-propylamine	8.06	70	266562	31.89	ng	94
18) 3&4-Methylphenol (m&p-cres	8.04	107	446592	26.21	ng	97
19) Acetophenone	8.07	105	522417	28.44	ng	96
20) Hexachloroethane	8.25	117	177263	27.67	ng	98
22) Nitrobenzene	8.36	77	463098	29.27	ng	96
24) Isophorone	8.74	82	883270	29.03	ng	99
25) 2-Nitrophenol	8.88	81	77658	30.95	ng	99
26) 2,4-Dimethylphenol	8.93	107	334873	27.54	ng	100
27) Bis(2-chloroethoxy)methane	9.09	93	507393	27.70	ng	97
28) Benzoic Acid	9.09	105	166833m	17.51	ng	
29) 2,4-Dichlorophenol	9.29	162	344812	30.50	ng	99
30) 1,2,4-Trichlorobenzene	9.43	180	401784	32.99	ng	100
31) 2,6-Dichlorophenol	9.67	162	337196	30.34	ng	100
32) Naphthalene	9.57	128	911585	27.21	ng	100
33) alpha-terpineol	9.56	59	326221	31.91	ng	97
34) 4-Chloroaniline	9.64	65	120682	32.38	ng	97
35) Caprolactam	10.23	113	117281	25.60	ng	98
36) Hexachlorobutadiene	9.75	225	152245m	35.85	ng	
37) 4-Chloro-3-methylphenol	10.46	107	304056	27.45	ng	99
38) 2-Methylnaphthalene	10.72	142	674682	28.63	ng	100
39) Hexachlorocyclopentadiene	10.98	237	136481	32.25	ng	99
40) 1,2,4,5-Tetrachlorobenzene	11.00	216	293182	35.39	ng	100

(#) = qualifier out of range (m) = manual integration

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_02.D Vial: 2
Acq On : 26 Sep 2013 8:57 am Operator:
Sample : 30PPM 8270 Inst : Instrumen
Misc : CCAL 30 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 09:23:29 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Wed Sep 25 15:14:22 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

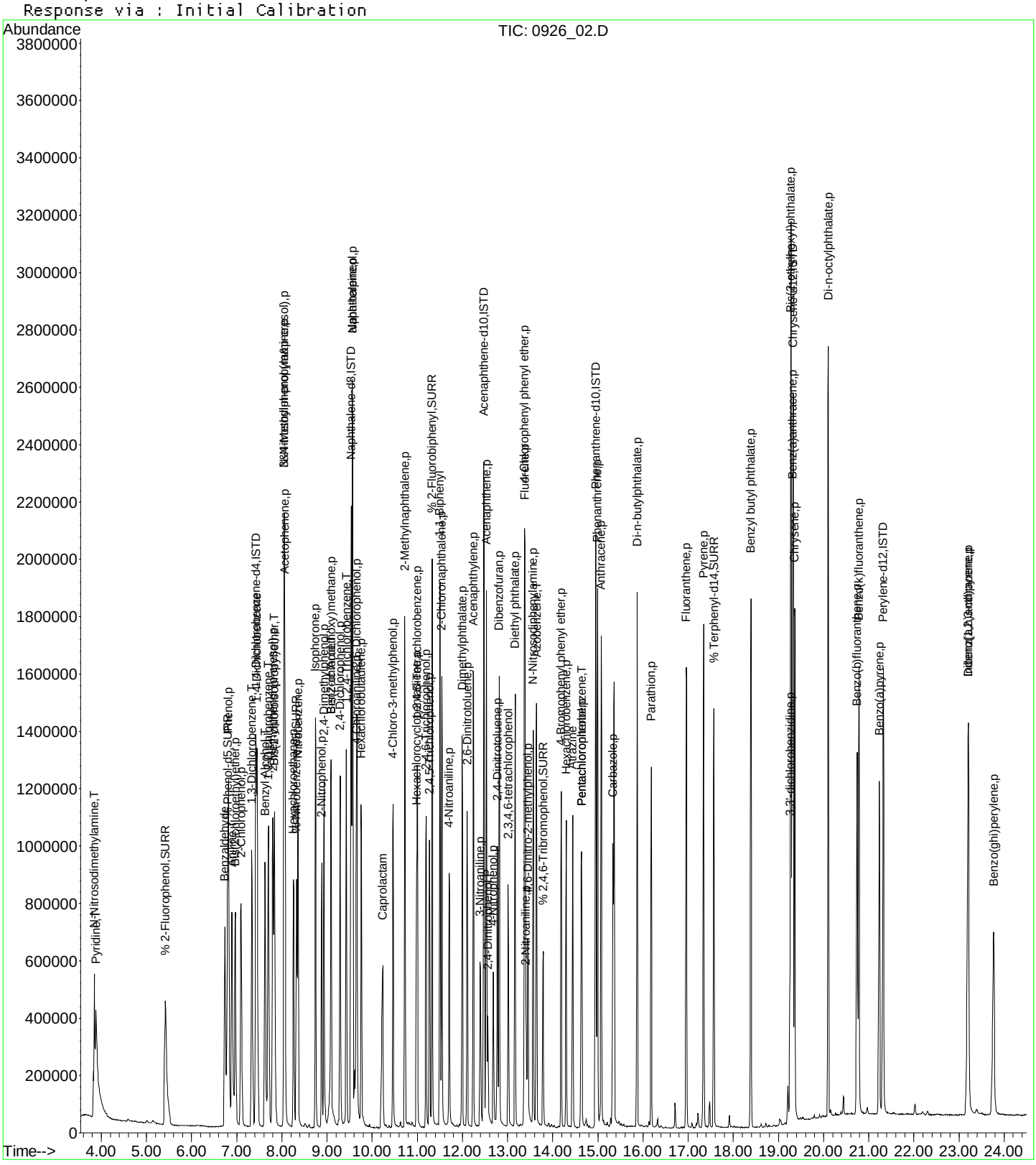
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2,4,6-Trichlorophenol	11.20	196	209574	30.18	ng	99
43)	2,4,5-Trichlorophenol	11.27	196	221417	30.01	ng	97
45)	2-Chloronaphthalene	11.54	162	695099	28.24	ng	99
46)	4-Nitroaniline	11.71	65	231793	28.25	ng	97
47)	1,1-Biphenyl	11.50	154	846785	27.66	ng	100
48)	Dimethylphthalate	11.99	163	788391	27.74	ng	100
49)	2,6-Dinitrotoluene	12.10	165	195891	28.07	ng	99
50)	Acenaphthylene	12.24	152	1036705	27.10	ng	100
51)	3-Nitroaniline	12.40	138	134878	32.91	ng	98
52)	Acenaphthene	12.53	154	625465	27.91	ng	99
53)	2,4-Dinitrophenol	12.56	184	77011	29.27	ng	98
54)	Dibenzofuran	12.81	168	944404	28.67	ng	99
55)	2,4-Dinitrotoluene	12.78	165	243425	27.90	ng	100
56)	4-Nitrophenol	12.68	65	124335	25.94	ng	98
57)	2,3,4,6-tetrachlorophenol	13.01	232	118502	27.32	ng	99
58)	Diethyl phthalate	13.17	149	729498	26.64	ng	99
59)	Fluorene	13.39	166	749396	29.81	ng	100
60)	4-Chlorophenyl phenyl ethe	13.37	204	334148	32.92	ng	99
61)	2-Nitroaniline	13.41	108	55100m	32.03	ng	
62)	4,6-Dinitro-2-methylphenol	13.46	198	116889	30.69	ng	97
63)	N-Nitrosodiphenylamine	13.57	169	461339	29.33	ng	99
64)	Azobenzene	13.64	77	807629	27.61	ng	99
67)	4-Bromophenyl phenyl ether	14.19	248	154344	29.79	ng	98
68)	Hexachlorobenzene	14.30	142	78889	26.79	ng	97
69)	Pentachlorophenol	14.63	266	77964	19.11	ng	99
70)	Pentachloronitrobenzene	14.64	214	41345	31.92	ng	96
71)	Atrazine	14.45	200	148686	29.19	ng	98
72)	Phenanthrene	14.99	178	980212	28.57	ng	100
73)	Anthracene	15.07	178	999454	28.29	ng	100
74)	Carbazole	15.33	167	682626m	35.78	ng	
75)	Di-n-butylphthalate	15.87	149	1237387	26.17	ng	99
76)	Parathion	16.18	97	187112	27.71	ng	98
77)	Fluoranthene	16.97	202	927212	29.47	ng	100
79)	Pyrene	17.34	202	972740	29.90	ng	100
82)	Benzyl butyl phthalate	18.39	149	638524	24.45	ng	99
83)	Bis(2-ethylhexyl)phthalate	19.28	149	945474	25.84	ng	100
84)	Benz(a)anthracene	19.31	228	859562	29.66	ng	100
85)	Chrysene	19.37	228	790645	29.67	ng	99
86)	Di-n-octylphthalate	20.11	149	1577940	25.31	ng	100
87)	3,3'-dichlorobenzidine	19.26	252	127925	18.50	ng	99
89)	Benzo(b)fluoranthene	20.74	252	813087	30.21	ng	100
90)	Benzo(k)fluoranthene	20.78	252	783716	30.01	ng	100
91)	Benzo(a)pyrene	21.24	252	719215	29.42	ng	100
92)	Indeno(1,2,3-cd)pyrene	23.20	276	810325	28.95	ng	100
93)	Dibenz(a,h)anthracene	23.21	278	671050	29.12	ng	99
94)	Benzo(ghi)perylene	23.77	276	625746	27.52	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_02.D Vial: 2
Acq On : 26 Sep 2013 8:57 am Operator:
Sample : 30PPM 8270 Inst : Instrumen
Misc : CCAL 30 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 9:24 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Oct 04 14:54:14 2013
Response via : Initial Calibration



7B
SEMIVOLATILE CONTINUINING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument: CHEM09 Calibration Date: 09/26/13 Time: 19:54

Lab File Id: 0926_24.D Init. Calib. Date(s): 09/23/13 09/23/13

Heated Purge (Y/N): Y Init. Calib. Times: 15:43 18:13

GC Column: v factor 4

COMPOUND	RRF	RRF30	RRF MIN	%D	MAX %D
N-Nitrosodimethylamine	1.018	0.758	0.010	25.5	50
Phenol	1.976	1.754	0.010	11.2	50
Bis(2-chloroethyl)ether	1.668	1.612	0.010	3.3	50
Benzaldehyde	0.738	0.655	0.010	11.3	50
2-Chlorophenol	1.349	1.132	0.010	16.0	50
2-Methylphenol (o-cresol)	1.127	0.964	0.010	14.5	50
Bis(2-chloroisopropyl)ether	3.021	2.550	0.010	15.6	50
N-Nitrosodi-n-propylamine	0.807	0.750	0.010	7.0	50
3&4-Methylphenol (m&p-cresol)	1.645	1.367	0.010	16.9	50
Acetophenone	1.773	1.597	0.010	9.9	50
Hexachloroethane	0.618	0.478	0.010	22.7	50
Nitrobenzene	1.527	1.336	0.010	12.5	50
Isophorone	0.859	0.748	0.010	12.9	50
2-Nitrophenol	0.071	0.072	0.010	-1.6	50
2,4-Dimethylphenol	0.343	0.335	0.010	2.5	50
Bis(2-chloroethoxy)methane	0.517	0.454	0.010	12.2	50
2,4-Dichlorophenol	0.319	0.340	0.010	-6.6	50
Naphthalene	0.946	0.842	0.010	11.0	50
4-Chloroaniline	0.105	0.093	0.010	11.7	50
Hexachlorobutadiene	0.120	0.150	0.010	-24.9	50
4-Chloro-3-methylphenol	0.313	0.294	0.010	6.0	50
2-Methylnaphthalene	0.665	0.642	0.010	3.5	50
Hexachlorocyclopentadiene	0.120	0.017	0.010	85.8	50
1,2,4,5-Tetrachlorobenzene	0.234	0.290	0.010	-23.7	50
2,4,6-Trichlorophenol	0.335	0.353	0.010	-5.3	50
2,4,5-Trichlorophenol	0.356	0.373	0.010	-4.9	50
2-Chloronaphthalene	1.187	1.120	0.010	5.7	50
4-Nitroaniline	0.396	0.334	0.010	15.5	50
Dimethylphthalate	1.371	1.296	0.010	5.5	50
2,6-Dinitrotoluene	0.337	0.324	0.010	3.6	50
Acenaphthylene	1.845	1.612	0.010	12.6	50
3-Nitroaniline	0.198	0.224	0.010	-13.2	50
Acenaphthene	1.081	0.975	0.010	9.8	50
2,4-Dinitrophenol	0.127	0.062	0.010	51.2	50
Caprolactam	0.129	0.109	0.010	15.7	50
Dibenzofuran	1.589	1.563	0.010	1.6	50

Max %D: Ten percent of target compounds are allowed to be above Max %D.
* Minimum RRF not met for this compound.

7C
SEMIVOLATILE CONTINUINING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument: CHEM09 Calibration Date: 09/26/13 Time: 19:54

Lab File Id: 0926_24.D Init. Calib. Date(s): 09/23/13 09/23/13

Heated Purge (Y/N): Y Init. Calib. Times: 15:43 18:13

GC Column: v factor 4

COMPOUND	RRF	RRF30	RRF MIN	%D	MAX %D
2,4-Dinitrotoluene	0.421	0.413	0.010	1.8	50
4-Nitrophenol	0.231	0.174	0.010	24.7	50
Diethyl phthalate	1.321	1.177	0.010	10.9	50
Fluorene	1.213	1.225	0.010	-1.1	50
4-Chlorophenyl phenyl ether	0.490	0.551	0.010	-12.5	50
2-Nitroaniline	0.083	0.124	0.010	-49.4	50
4,6-Dinitro-2-methylphenol	0.184	0.132	0.010	28.1	50
N-Nitrosodiphenylamine	0.759	0.705	0.010	7.0	50
4-Bromophenyl phenyl ether	0.158	0.155	0.010	2.2	50
Hexachlorobenzene	0.090	0.073	0.010	18.4	50
Atrazine	0.156	0.144	0.010	7.7	50
1,1-Biphenyl	1.477	1.358	0.010	8.0	50
Pentachlorophenol	0.125	0.064	0.010	48.3	50
Phenanthrene	1.048	1.009	0.010	3.7	50
Anthracene	1.079	1.042	0.010	3.4	50
Carbazole	0.583	0.883	0.010	-51.4	50
Di-n-butylphthalate	1.444	1.263	0.010	12.6	50
Fluoranthene	0.961	0.967	0.010	-0.7	50
Pyrene	0.994	0.970	0.010	2.4	50
Benzyl butyl phthalate	0.921	0.843	0.010	8.4	50
Bis(2-ethylhexyl)phthalate	1.290	1.176	0.010	8.9	50
Benz(a)anthracene	1.022	1.022	0.010	0.0	50
Chrysene	0.940	0.921	0.010	2.0	50
2,3,4,6-tetrachlorophenol	0.209	0.207	0.010	1.0	50
Di-n-octylphthalate	2.198	1.894	0.010	13.9	50
3,3'-dichlorobenzidine	0.244	0.203	0.010	16.7	50
Benzo(b)fluoranthene	1.077	1.085	0.010	-0.7	50
Benzo(k)fluoranthene	1.045	1.015	0.010	2.9	50
Benzo(a)pyrene	0.979	0.981	0.010	-0.2	50
Indeno(1,2,3-cd)pyrene	1.121	1.056	0.010	5.8	50
Dibenz(a,h)anthracene	0.922	0.898	0.010	2.6	50
Benzo(ghi)perylene	0.910	0.769	0.010	15.6	50
% 2-Fluorophenol	1.461	1.138	0.010	22.1	50
% Phenol-d5	1.809	1.537	0.010	15.1	50
% Nitrobenzene-d5	1.595	1.394	0.010	12.6	50
% 2-Fluorobiphenyl	1.347	1.343	0.010	0.3	50

Max %D: Ten percent of target compounds are allowed to be above Max %D.
* Minimum RRF not met for this compound.

7C
SEMIVOLATILE CONTINUINING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument: CHEM09 Calibration Date: 09/26/13 Time: 19:54

Lab File Id: 0926_24.D Init. Calib. Date(s): 09/23/13 09/23/13

Heated Purge (Y/N): Y Init. Calib. Times: 15:43 18:13

GC Column: v factor 4

COMPOUND	RRF	RRF30	RRF MIN	%D	MAX %D
% 2,4,6-Tribromophenol	0.072	0.062	0.010	13.1	50
% Terphenyl-d14	0.577	0.568	0.010	1.5	50

Max %D: Ten percent of target compounds are allowed to be above Max %D.
* Minimum RRF not met for this compound.

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_24.D Vial: 2
Acq On : 26 Sep 2013 7:54 pm Operator:
Sample : 30PPM 8270 Inst : Instrumen
Misc : CCCAL 30 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 27 09:47:10 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Thu Sep 26 14:22:52 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	401999	40.00	ng		0.00
23) Naphthalene-d8	9.54	136	1360435	40.00	ng		0.00
41) Acenaphthene-d10	12.48	164	830267	40.00	ng		0.00
65) Phenanthrene-d10	14.96	188	1432073	40.00	ng		0.01
81) Chrysene-d12	19.33	240	880151	40.00	ng		0.00
88) Perylene-d12	21.34	264	815117	40.00	ng		0.01
System Monitoring Compounds							
5) % 2-Fluorophenol	5.43	112	343093	23.37	ng		0.01
Spiked Amount 75.000	Range 30 - 130		Recovery = 31.16%				
6) % Phenol-d5	6.81	99	463344	25.48	ng		0.02
Spiked Amount 75.000	Range 30 - 130		Recovery = 33.97%				
21) % Nitrobenzene-d5	8.33	82	420131	26.21	ng		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 52.42%				
44) % 2-Fluorobiphenyl	11.33	172	836074	29.91	ng		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 59.82%				
66) % 2,4,6-Tribromophenol	13.79	62	66812	26.07	ng		0.01
Spiked Amount 75.000	Range 30 - 130		Recovery = 34.76%				
80) % Terphenyl-d14	17.58	244	610075	29.56	ng		0.00
Spiked Amount 50.000			Recovery = 59.12%				
Target Compounds							Qvalue
2) N-Nitrosodimethylamine	3.86	74	228566m	22.35	ng		
3) Pyridine	3.86	79	398531m	21.60	ng		
4) Benzaldehyde	6.74	77	197390	26.62	ng		92
7) Phenol	6.83	94	528771	26.63	ng		92
8) Bis(2-chloroethyl)ether	6.97	93	486077	29.00	ng		86
9) Aniline	6.90	93	308752	15.01	ng		99
10) 2-Chlorophenol	7.10	128	341352	25.19	ng		94
11) 1,3-Dichlorobenzene	7.34	146	429089	27.74	ng		99
12) 1,4-Dichlorobenzene	7.46	146	432334	28.53	ng		99
13) Benzyl Alcohol	7.65	79	309195	25.83	ng		95
14) 1,2-Dichlorobenzene	7.70	146	411854	28.05	ng		100
15) 2-Methylphenol (o-cresol)	7.83	107	290734	25.66	ng		90
16) Bis(2-chloroisopropyl)ethe	7.84	45	768938	25.33	ng		93
17) N-Nitrosodi-n-propylamine	8.06	70	226131	27.89	ng		96
18) 3&4-Methylphenol (m&p-cres	8.08	107	412063	24.93	ng		94
19) Acetophenone	8.08	105	481463	27.02	ng		93
20) Hexachloroethane	8.26	117	144099	23.18	ng		97
22) Nitrobenzene	8.36	77	402759	26.24	ng		96
24) Isophorone	8.76	82	763275	26.12	ng		97
25) 2-Nitrophenol	8.89	81	73423	30.47	ng		97
26) 2,4-Dimethylphenol	8.95	107	341713	29.26	ng		99
27) Bis(2-chloroethoxy)methane	9.09	93	463429	26.35	ng		97
28) Benzoic Acid	9.10	105	67791	7.41	ng		97
29) 2,4-Dichlorophenol	9.31	162	347352	31.99	ng		96
30) 1,2,4-Trichlorobenzene	9.43	180	405038	34.63	ng		100
31) 2,6-Dichlorophenol	9.67	162	334402	31.34	ng		100
32) Naphthalene	9.58	128	859435	26.71	ng		100
33) alpha-terpineol	9.57	59	284738	29.00	ng		97
34) 4-Chloroaniline	9.66	65	94775	26.48	ng	#	97
35) Caprolactam	10.26	113	111214	25.28	ng		95
36) Hexachlorobutadiene	9.76	225	152864	37.48	ng		100
37) 4-Chloro-3-methylphenol	10.48	107	300123	28.21	ng		98
38) 2-Methylnaphthalene	10.73	142	654900	28.94	ng		99
39) Hexachlorocyclopentadiene	10.98	237	17310	4.26	ng		98
40) 1,2,4,5-Tetrachlorobenzene	11.00	216	295336	37.12	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_24.D Vial: 2
Acq On : 26 Sep 2013 7:54 pm Operator:
Sample : 30PPM 8270 Inst : Instrumen
Misc : CCCAL 30 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 27 09:47:10 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Thu Sep 26 14:22:52 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

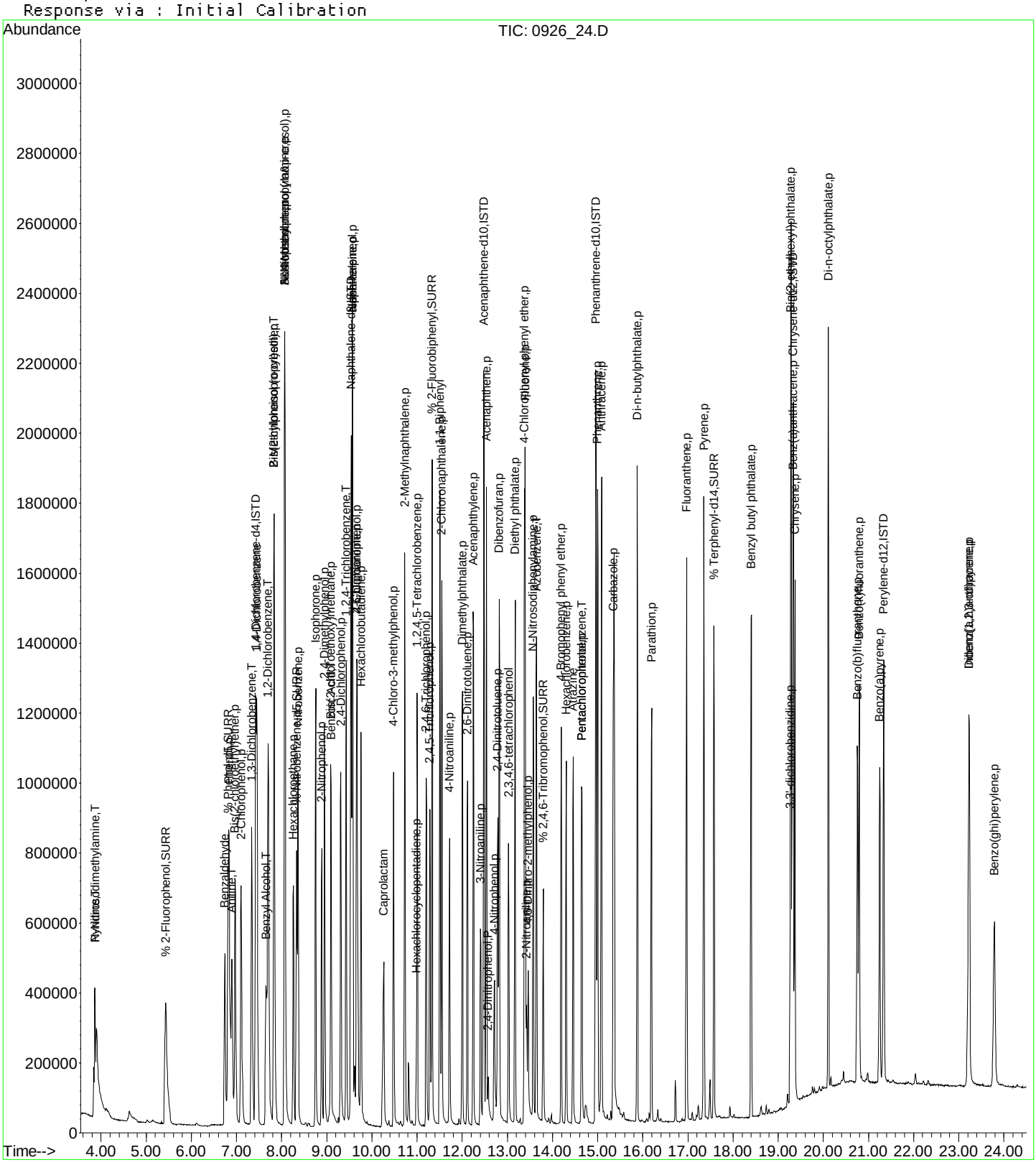
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
42)	2,4,6-Trichlorophenol	11.20	196	219632	31.59	ng		97
43)	2,4,5-Trichlorophenol	11.28	196	232458	31.47	ng		99
45)	2-Chloronaphthalene	11.55	162	697491	28.30	ng		99
46)	4-Nitroaniline	11.72	65	208237	25.34	ng		92
47)	1,1-Biphenyl	11.50	154	845814	27.59	ng		100
48)	Dimethylphthalate	12.01	163	807221	28.36	ng		100
49)	2,6-Dinitrotoluene	12.12	165	201990	28.91	ng		93
50)	Acenaphthylene	12.24	152	1004051	26.21	ng		100
51)	3-Nitroaniline	12.41	138	139447	33.98	ng		89
52)	Acenaphthene	12.54	154	606817	27.05	ng		98
53)	2,4-Dinitrophenol	12.58	184	38602	14.65	ng		92
54)	Dibenzofuran	12.82	168	973278	29.51	ng		99
55)	2,4-Dinitrotoluene	12.79	165	257295	29.46	ng		96
56)	4-Nitrophenol	12.72	65	108401	22.59	ng		92
57)	2,3,4,6-tetrachlorophenol	13.03	232	128936	29.69	ng		98
58)	Diethyl phthalate	13.17	149	732757	26.73	ng		99
59)	Fluorene	13.40	166	763059	30.32	ng		100
60)	4-Chlorophenyl phenyl ethe	13.38	204	342965	33.75	ng		99
61)	2-Nitroaniline	13.42	108	77196	44.82	ng	#	64
62)	4,6-Dinitro-2-methylphenol	13.46	198	82288	21.58	ng		95
63)	N-Nitrosodiphenylamine	13.57	169	439120	27.89	ng		99
64)	Azobenzene	13.65	77	711316	24.29	ng		93
67)	4-Bromophenyl phenyl ether	14.19	248	166212	29.33	ng		92
68)	Hexachlorobenzene	14.30	142	78794	24.46	ng		94
69)	Pentachlorophenol	14.64	266	69137	15.50	ng		99
70)	Pentachloronitrobenzene	14.65	214	43221	30.51	ng		97
71)	Atrazine	14.46	200	154252	27.69	ng		94
72)	Phenanthrene	15.00	178	1083985	28.89	ng		100
73)	Anthracene	15.09	178	1119635	28.98	ng		99
74)	Carbazole	15.35	167	947884	45.43	ng		98
75)	Di-n-butylphthalate	15.88	149	1356548	26.23	ng		99
76)	Parathion	16.20	97	191630	25.95	ng		93
77)	Fluoranthene	16.97	202	1039030	30.20	ng		100
79)	Pyrene	17.36	202	1042097	29.29	ng		100
82)	Benzyl butyl phthalate	18.40	149	556759	27.48	ng		95
83)	Bis(2-ethylhexyl)phthalate	19.28	149	775989	27.34	ng		99
84)	Benz(a)anthracene	19.32	228	674886	30.01	ng		99
85)	Chrysene	19.37	228	608036	29.40	ng		99
86)	Di-n-octylphthalate	20.11	149	1249942	25.84	ng		100
87)	3,3'-dichlorobenzidine	19.26	252	134153	25.00	ng		99
89)	Benzo(b)fluoranthene	20.75	252	663411	30.22	ng		100
90)	Benzo(k)fluoranthene	20.80	252	620534	29.13	ng		100
91)	Benzo(a)pyrene	21.25	252	599719	30.07	ng		99
92)	Indeno(1,2,3-cd)pyrene	23.23	276	645650	28.28	ng		99
93)	Dibenz(a,h)anthracene	23.24	278	549190	29.22	ng		99
94)	Benzo(ghi)perylene	23.79	276	469871	25.33	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_24.D Vial: 2
Acq On : 26 Sep 2013 7:54 pm Operator:
Sample : 30PPM 8270 Inst : Instrumen
Misc : CCCAL 30 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 27 9:50 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Oct 04 14:54:14 2013
Response via : Initial Calibration



CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

09-25-13 LCS

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45197 LCS

Sample wt/vol: 15 (g/mL) g Lab File ID: 0926_04.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: n.a. Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
62-75-9	N-Nitrosodimethylamine	2075		93	230
108-95-2	Phenol	2410		110	230
111-44-4	Bis(2-chloroethyl)ether	2197		93	130
100-52-7	Benzaldehyde	3289		100	230
95-57-8	2-Chlorophenol	2241		93	230
95-48-7	2-Methylphenol (o-cresol)	2270		160	230
39638-32-9	Bis(2-chloroisopropyl)ether	2663		93	230
621-64-7	N-Nitrosodi-n-propylamine	2631		110	130
HNX - M&P CRESOI	3&4-Methylphenol (m&p-cresol)	2292		130	230
98-86-2	Acetophenone	2558		110	230
67-72-1	Hexachloroethane	2280		100	130
98-95-3	Nitrobenzene	2509		120	130
78-59-1	Isophorone	2596		93	130
88-75-5	2-Nitrophenol	2587		210	230
105-67-9	2,4-Dimethylphenol	1651		80	230
111-91-1	Bis(2-chloroethoxy)methane	2359		93	230
120-83-2	2,4-Dichlorophenol	2821		120	130
91-20-3	Naphthalene	2265		93	230
106-47-8	4-Chloroaniline	2618		150	670
87-68-3	Hexachlorobutadiene	3123		120	230
59-50-7	4-Chloro-3-methylphenol	2537		120	230
91-57-6	2-Methylnaphthalene	2484		100	230
77-47-4	Hexachlorocyclopentadiene	2584		100	230
95-94-3	1,2,4,5-Tetrachlorobenzene	3174		120	230
88-06-2	2,4,6-Trichlorophenol	3076		110	130
95-95-4	2,4,5-Trichlorophenol	3107		180	230
91-58-7	2-Chloronaphthalene	2599		93	230
100-01-6	4-Nitroaniline	2689		110	1700
131-11-3	Dimethylphthalate	2682		110	230
606-20-2	2,6-Dinitrotoluene	2726		110	130
208-96-8	Acenaphthylene	2485		93	130
99-09-2	3-Nitroaniline	3804		730	1700
83-32-9	Acenaphthene	2521		100	230
51-28-5	2,4-Dinitrophenol	429.3		230	230
105-60-2	Caprolactam	2392		230	230
132-64-9	Dibenzofuran	2712		100	230

FORM I SV

CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

09-25-13 LCS

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45197 LCS

Sample wt/vol: 15 (g/mL) g Lab File ID: 0926_04.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: n.a. Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
121-14-2	2,4-Dinitrotoluene	2755		130	130
100-02-7	4-Nitrophenol	2545		150	1700
84-66-2	Diethyl phthalate	2605		110	230
86-73-7	Fluorene	2859		110	230
7005-72-3	4-Chlorophenyl phenyl ether	3218		110	230
88-74-4	2-Nitroaniline	5765		340	1700
534-52-1	4,6-Dinitro-2-methylphenol	1963		230	230
86-30-6	N-Nitrosodiphenylamine	3137		130	130
101-55-3	4-Bromophenyl phenyl ether	2432		100	230
118-74-1	Hexachlorobenzene	2561		100	130
1912-24-9	Atrazine	3302		130	130
92-52-4	1,1-Biphenyl	2525		100	230
87-86-5	Pentachlorophenol	1740		130	230
85-01-8	Phenanthrene	2850		93	130
120-12-7	Anthracene	2800		110	230
86-74-8	Carbazole	4394		250	1700
84-74-2	Di-n-butylphthalate	2494		87	230
206-44-0	Fluoranthene	3023		110	230
129-00-0	Pyrene	3049		110	230
85-68-7	Benzyl butyl phthalate	2390		87	230
117-81-7	Bis(2-ethylhexyl)phthalate	2365		93	230
56-55-3	Benz(a)anthracene	2928		110	230
218-01-9	Chrysene	2852		110	230
58-90-2	2,3,4,6-tetrachlorophenol	2751		150	230
117-84-0	Di-n-octylphthalate	2304		87	230
91-94-1	3,3'-dichlorobenzidine	4433		130	130
205-99-2	Benzo(b)fluoranthene	2881		110	230
207-08-9	Benzo(k)fluoranthene	3047		110	230
50-32-8	Benzo(a)pyrene	2659		110	130
193-39-5	Indeno(1,2,3-cd)pyrene	2920		110	230
53-70-3	Dibenz(a,h)anthracene	2974		110	130
191-24-2	Benzo(ghi)perylene	2803		110	230

FORM I SV

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_04.D Vial: 4
Acq On : 26 Sep 2013 9:58 am Operator:
Sample : BF45197 LCS Inst : Instrumen
Misc : 09-25-13 LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:23:29 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Thu Sep 26 14:22:52 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	398231	40.00	ng		0.00
23) Naphthalene-d8	9.53	136	1406924	40.00	ng		0.00
41) Acenaphthene-d10	12.48	164	788220	40.00	ng		0.00
65) Phenanthrene-d10	14.96	188	1255206	40.00	ng		0.00
81) Chrysene-d12	19.34	240	1072054	40.00	ng		0.00
88) Perylene-d12	21.34	264	910590	40.00	ng		0.02
System Monitoring Compounds							
5) % 2-Fluorophenol	5.43	112	685477	47.13	ng		0.02
Spiked Amount 75.000	Range 30 - 130		Recovery = 62.84%				
6) % Phenol-d5	6.81	99	976127	54.19	ng		0.02
Spiked Amount 75.000	Range 30 - 130		Recovery = 72.25%				
21) % Nitrobenzene-d5	8.33	82	590089	37.16	ng		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 74.32%				
44) % 2-Fluorobiphenyl	11.34	172	1090549	41.09	ng		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 82.18%				
66) % 2,4,6-Tribromophenol	13.79	62	136602	60.81	ng		0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 81.08%				
80) % Terphenyl-d14	17.58	244	909428	50.27	ng		0.00
Spiked Amount 50.000			Recovery = 100.54%				
Target Compounds							Qvalue
2) N-Nitrosodimethylamine	3.85	74	315315	31.13	ng		100
3) Pyridine	3.87	79	498253	27.26	ng	#	58
4) Benzaldehyde	6.73	77	362491	49.34	ng		99
7) Phenol	6.83	94	711116	36.15	ng		97
8) Bis(2-chloroethyl)ether	6.97	93	547240	32.96	ng		99
9) Aniline	6.90	93	769144	37.76	ng		98
10) 2-Chlorophenol	7.10	128	451315	33.62	ng		99
11) 1,3-Dichlorobenzene	7.33	146	536445	35.01	ng		100
12) 1,4-Dichlorobenzene	7.45	146	542360	36.13	ng		99
13) Benzyl Alcohol	7.63	79	461992	38.96	ng		99
14) 1,2-Dichlorobenzene	7.70	146	512889	35.26	ng		100
15) 2-Methylphenol (o-cresol)	7.81	107	382200	34.05	ng		98
16) Bis(2-chloroisopropyl)ethe	7.84	45	1201223	39.94	ng		100
17) N-Nitrosodi-n-propylamine	8.06	70	317047	39.47	ng		99
18) 3&4-Methylphenol (m&p-cres	8.05	107	562829	34.38	ng		100
19) Acetophenone	8.07	105	677416	38.37	ng		98
20) Hexachloroethane	8.26	117	210599	34.20	ng		98
22) Nitrobenzene	8.36	77	572321	37.64	ng		99
24) Isophorone	8.75	82	1176606	38.94	ng		99
25) 2-Nitrophenol	8.88	81	96717	38.81	ng		99
26) 2,4-Dimethylphenol	8.94	107	299155	24.77	ng		100
27) Bis(2-chloroethoxy)methane	9.09	93	643694	35.39	ng		99
29) 2,4-Dichlorophenol	9.29	162	475016	42.31	ng		99
30) 1,2,4-Trichlorobenzene	9.43	180	505283	41.77	ng		99
31) 2,6-Dichlorophenol	9.67	162	456647	41.38	ng		99
32) Naphthalene	9.57	128	1130693	33.98	ng		100
33) alpha-terpineol	9.56	59	405126	39.90	ng		96
34) 4-Chloroaniline	9.65	65	145343	39.27	ng	#	99
35) Caprolactam	10.24	113	163245	35.88	ng		99
36) Hexachlorobutadiene	9.76	225	197562	46.84	ng		100
37) 4-Chloro-3-methylphenol	10.46	107	418760	38.06	ng		99
38) 2-Methylnaphthalene	10.73	142	872015	37.26	ng		100
39) Hexachlorocyclopentadiene	10.98	237	162895	38.76	ng		99
40) 1,2,4,5-Tetrachlorobenzene	11.00	216	391773	47.61	ng		100
42) 2,4,6-Trichlorophenol	11.20	196	304586	46.14	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_04.D Vial: 4
Acq On : 26 Sep 2013 9:58 am Operator:
Sample : BF45197 LCS Inst : Instrumen
Misc : 09-25-13 LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:23:29 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Thu Sep 26 14:22:52 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

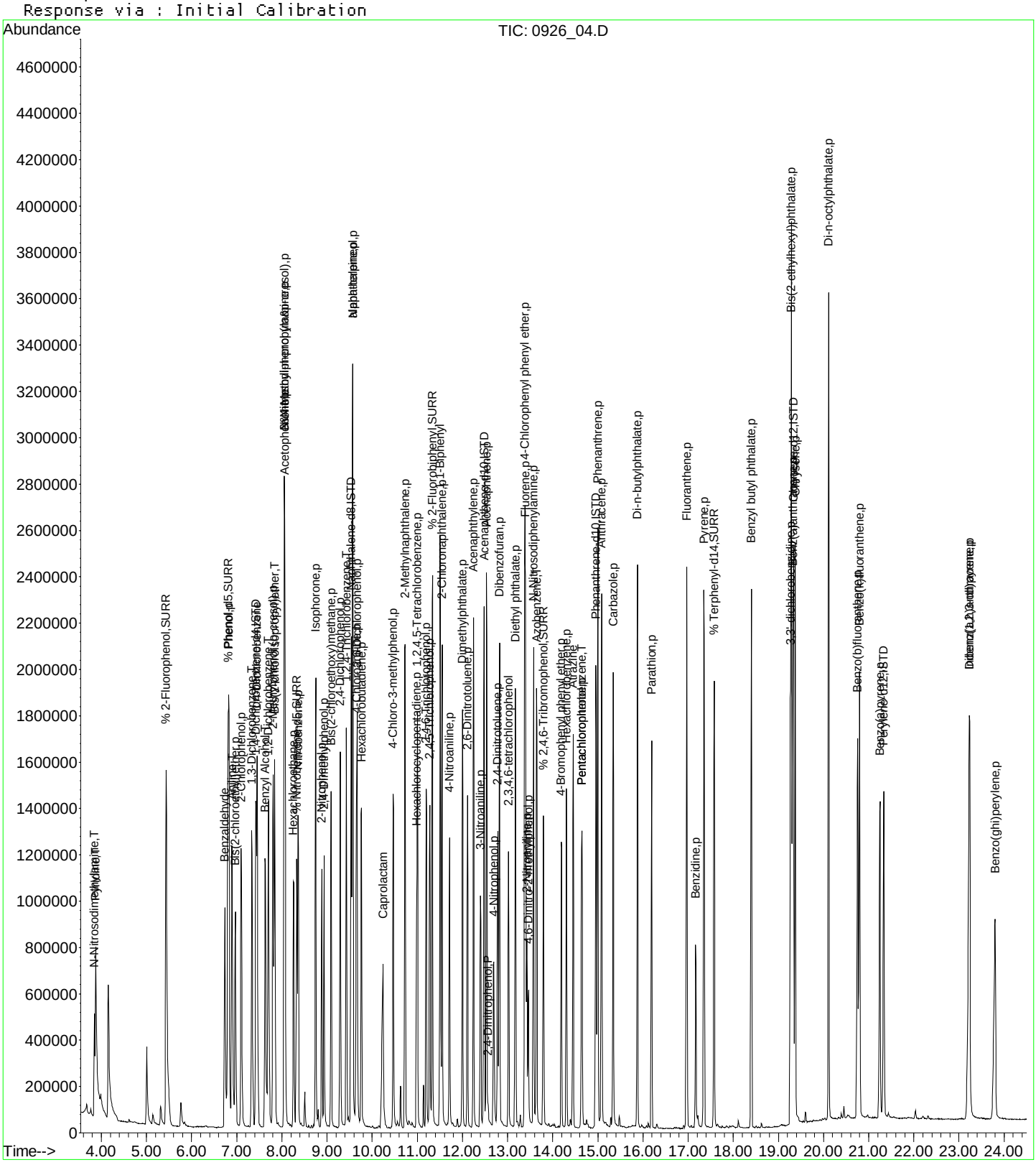
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	2,4,5-Trichlorophenol	11.28	196	326907	46.61	ng		99
45)	2-Chloronaphthalene	11.55	162	912438	38.99	ng		99
46)	4-Nitroaniline	11.71	65	314572	40.33	ng		98
47)	1,1-Biphenyl	11.51	154	1102344	37.88	ng		100
48)	Dimethylphthalate	12.00	163	1087046	40.23	ng		100
49)	2,6-Dinitrotoluene	12.11	165	271199	40.89	ng		97
50)	Acenaphthylene	12.25	152	1355394	37.28	ng		100
51)	3-Nitroaniline	12.40	138	222306	57.06	ng		99
52)	Acenaphthene	12.53	154	805419	37.81	ng		96
53)	2,4-Dinitrophenol	12.57	184	16099	6.44	ng		99
54)	Dibenzofuran	12.82	168	1273805	40.68	ng		99
55)	2,4-Dinitrotoluene	12.78	165	342747	41.33	ng		98
56)	4-Nitrophenol	12.69	65	173908	38.17	ng		99
57)	2,3,4,6-tetrachlorophenol	13.02	232	170136	41.27	ng		99
58)	Diethyl phthalate	13.18	149	1017147	39.08	ng		99
59)	Fluorene	13.40	166	1024882	42.89	ng		100
60)	4-Chlorophenyl phenyl ethe	13.38	204	465691	48.27	ng		99
61)	2-Nitroaniline	13.43	108	141368	86.47	ng	#	70
62)	4,6-Dinitro-2-methylphenol	13.46	198	106572	29.44	ng		97
63)	N-Nitrosodiphenylamine	13.57	169	703286	47.05	ng		99
64)	Azobenzene	13.64	77	1051944	37.83	ng		98
67)	4-Bromophenyl phenyl ether	14.20	248	181168	36.48	ng		97
68)	Hexachlorobenzene	14.31	142	108465	38.42	ng		97
69)	Pentachlorophenol	14.64	266	102076	26.10	ng		99
70)	Pentachloronitrobenzene	14.65	214	58689	47.26	ng		97
71)	Atrazine	14.45	200	241845	49.53	ng		97
72)	Phenanthrene	15.00	178	1406088	42.75	ng		100
73)	Anthracene	15.08	178	1422375	42.00	ng		100
74)	Carbazole	15.34	167	1205479	65.91	ng		97
75)	Di-n-butylphthalate	15.88	149	1695567	37.41	ng		99
76)	Parathion	16.19	97	259728	40.13	ng		96
77)	Fluoranthene	16.97	202	1367672	45.35	ng		100
78)	Benzidine	17.17	184	444343	28.15	ng		100
79)	Pyrene	17.35	202	1426282	45.74	ng		100
82)	Benzyl butyl phthalate	18.40	149	884721	35.85	ng		99
83)	Bis(2-ethylhexyl)phthalate	19.29	149	1226462	35.47	ng		99
84)	Benz(a)anthracene	19.32	228	1203090	43.92	ng		100
85)	Chrysene	19.37	228	1077472	42.78	ng		100
86)	Di-n-octylphthalate	20.11	149	2036550	34.56	ng		100
87)	3,3'-dichlorobenzidine	19.26	252	434676	66.50	ng		100
89)	Benzo(b)fluoranthene	20.76	252	1059804	43.21	ng		100
90)	Benzo(k)fluoranthene	20.80	252	1087628	45.71	ng		100
91)	Benzo(a)pyrene	21.25	252	888487	39.88	ng		99
92)	Indeno(1,2,3-cd)pyrene	23.23	276	1117171	43.80	ng		100
93)	Dibenz(a,h)anthracene	23.24	278	936700	44.61	ng		98
94)	Benzo(ghi)perylene	23.80	276	871083	42.04	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_04.D Vial: 4
Acq On : 26 Sep 2013 9:58 am Operator:
Sample : BF45197 LCS Inst : Instrumen
Misc : 09-25-13 LCS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:23 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Oct 04 14:54:14 2013
Response via : Initial Calibration



CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

09-25-13 LCSD

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45197 LCSD

Sample wt/vol: 15 (g/mL) g Lab File ID: 0926_05.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: n.a. Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
62-75-9	N-Nitrosodimethylamine	2071		93	230
108-95-2	Phenol	2396		110	230
111-44-4	Bis(2-chloroethyl)ether	2224		93	130
100-52-7	Benzaldehyde	3319		100	230
95-57-8	2-Chlorophenol	2247		93	230
95-48-7	2-Methylphenol (o-cresol)	2282		160	230
39638-32-9	Bis(2-chloroisopropyl)ether	2653		93	230
621-64-7	N-Nitrosodi-n-propylamine	2686		110	130
HNX - M&P CRESOI	3&4-Methylphenol (m&p-cresol)	2306		130	230
98-86-2	Acetophenone	2581		110	230
67-72-1	Hexachloroethane	2303		100	130
98-95-3	Nitrobenzene	2517		120	130
78-59-1	Isophorone	2611		93	130
88-75-5	2-Nitrophenol	2588		210	230
105-67-9	2,4-Dimethylphenol	1657		80	230
111-91-1	Bis(2-chloroethoxy)methane	2394		93	230
120-83-2	2,4-Dichlorophenol	2785		120	130
91-20-3	Naphthalene	2299		93	230
106-47-8	4-Chloroaniline	2688		150	670
87-68-3	Hexachlorobutadiene	3081		120	230
59-50-7	4-Chloro-3-methylphenol	2545		120	230
91-57-6	2-Methylnaphthalene	2459		100	230
77-47-4	Hexachlorocyclopentadiene	2571		100	230
95-94-3	1,2,4,5-Tetrachlorobenzene	3152		120	230
88-06-2	2,4,6-Trichlorophenol	3029		110	130
95-95-4	2,4,5-Trichlorophenol	3039		180	230
91-58-7	2-Chloronaphthalene	2582		93	230
100-01-6	4-Nitroaniline	2665		110	1700
131-11-3	Dimethylphthalate	2681		110	230
606-20-2	2,6-Dinitrotoluene	2717		110	130
208-96-8	Acenaphthylene	2471		93	130
99-09-2	3-Nitroaniline	3775		730	1700
83-32-9	Acenaphthene	2511		100	230
51-28-5	2,4-Dinitrophenol	408.7		230	230
105-60-2	Caprolactam	2421		230	230
132-64-9	Dibenzofuran	2692		100	230

FORM I SV

CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

09-25-13 LCSD

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45197 LCSD

Sample wt/vol: 15 (g/mL) g Lab File ID: 0926_05.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: n.a. Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
121-14-2	2,4-Dinitrotoluene	2725		130	130
100-02-7	4-Nitrophenol	2535		150	1700
84-66-2	Diethyl phthalate	2595		110	230
86-73-7	Fluorene	2851		110	230
7005-72-3	4-Chlorophenyl phenyl ether	3229		110	230
88-74-4	2-Nitroaniline	5776		340	1700
534-52-1	4,6-Dinitro-2-methylphenol	1999		230	230
86-30-6	N-Nitrosodiphenylamine	3121		130	130
101-55-3	4-Bromophenyl phenyl ether	2403		100	230
118-74-1	Hexachlorobenzene	2493		100	130
1912-24-9	Atrazine	3292		130	130
92-52-4	1,1-Biphenyl	2513		100	230
87-86-5	Pentachlorophenol	1723		130	230
85-01-8	Phenanthrene	2832		93	130
120-12-7	Anthracene	2808		110	230
86-74-8	Carbazole	4435		250	1700
84-74-2	Di-n-butylphthalate	2542		87	230
206-44-0	Fluoranthene	3052		110	230
129-00-0	Pyrene	3034		110	230
85-68-7	Benzyl butyl phthalate	2341		87	230
117-81-7	Bis(2-ethylhexyl)phthalate	2408		93	230
56-55-3	Benz(a)anthracene	2852		110	230
218-01-9	Chrysene	2805		110	230
58-90-2	2,3,4,6-tetrachlorophenol	2663		150	230
117-84-0	Di-n-octylphthalate	2317		87	230
91-94-1	3,3'-dichlorobenzidine	4311		130	130
205-99-2	Benzo(b)fluoranthene	2879		110	230
207-08-9	Benzo(k)fluoranthene	3014		110	230
50-32-8	Benzo(a)pyrene	2595		110	130
193-39-5	Indeno(1,2,3-cd)pyrene	2893		110	230
53-70-3	Dibenz(a,h)anthracene	2945		110	130
191-24-2	Benzo(ghi)perylene	2788		110	230

FORM I SV

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_05.D Vial: 5
Acq On : 26 Sep 2013 10:28 am Operator:
Sample : BF45197 LCSD Inst : Instrumen
Misc : 09-25-13 LCSD Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:23:29 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Thu Sep 26 14:22:52 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	349162	40.00	ng		0.00
23) Naphthalene-d8	9.53	136	1228351	40.00	ng		0.00
41) Acenaphthene-d10	12.48	164	696252	40.00	ng		0.00
65) Phenanthrene-d10	14.95	188	1106072	40.00	ng		0.00
81) Chrysene-d12	19.33	240	963480	40.00	ng		0.00
88) Perylene-d12	21.33	264	794713	40.00	ng		0.00
System Monitoring Compounds							
5) % 2-Fluorophenol	5.43	112	600138	47.06	ng		0.01
Spiked Amount 75.000	Range 30 - 130		Recovery = 62.75%				
6) % Phenol-d5	6.80	99	857154	54.27	ng		0.01
Spiked Amount 75.000	Range 30 - 130		Recovery = 72.36%				
21) % Nitrobenzene-d5	8.33	82	515800	37.05	ng		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 74.10%				
44) % 2-Fluorobiphenyl	11.33	172	949146	40.49	ng		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 80.98%				
66) % 2,4,6-Tribromophenol	13.79	62	122741	62.00	ng		0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 82.67%				
80) % Terphenyl-d14	17.58	244	802879	50.36	ng		0.00
Spiked Amount 50.000			Recovery = 100.72%				
Target Compounds							Qvalue
2) N-Nitrosodimethylamine	3.84	74	275971	31.07	ng		97
3) Pyridine	3.87	79	439196	27.40	ng	#	60
4) Benzaldehyde	6.73	77	320631	49.78	ng		100
7) Phenol	6.83	94	619861	35.94	ng		97
8) Bis(2-chloroethyl)ether	6.97	93	485718	33.36	ng		99
9) Aniline	6.89	93	666730	37.33	ng		99
10) 2-Chlorophenol	7.10	128	396865	33.71	ng		100
11) 1,3-Dichlorobenzene	7.34	146	469452	34.94	ng		100
12) 1,4-Dichlorobenzene	7.45	146	471682	35.84	ng		99
13) Benzyl Alcohol	7.63	79	404491	38.91	ng		99
14) 1,2-Dichlorobenzene	7.70	146	450173	35.30	ng		100
15) 2-Methylphenol (o-cresol)	7.80	107	336852	34.23	ng		98
16) Bis(2-chloroisopropyl)ethe	7.84	45	1049230	39.79	ng		99
17) N-Nitrosodi-n-propylamine	8.05	70	283712	40.29	ng		99
18) 3&4-Methylphenol (m&p-cres	8.05	107	496494	34.59	ng		99
19) Acetophenone	8.07	105	599309	38.72	ng		98
20) Hexachloroethane	8.26	117	186485	34.54	ng		99
22) Nitrobenzene	8.36	77	503403	37.76	ng		99
24) Isophorone	8.75	82	1033376	39.17	ng		99
25) 2-Nitrophenol	8.88	81	84465	38.82	ng		98
26) 2,4-Dimethylphenol	8.93	107	262117	24.86	ng		99
27) Bis(2-chloroethoxy)methane	9.09	93	570295	35.91	ng		99
29) 2,4-Dichlorophenol	9.29	162	409543	41.78	ng		99
30) 1,2,4-Trichlorobenzene	9.43	180	436866	41.37	ng		99
31) 2,6-Dichlorophenol	9.66	162	396355	41.13	ng		100
32) Naphthalene	9.57	128	1002177	34.49	ng		99
33) alpha-terpineol	9.56	59	373690	42.15	ng		99
34) 4-Chloroaniline	9.65	65	130291	40.32	ng	#	99
35) Caprolactam	10.23	113	144262	36.32	ng		100
36) Hexachlorobutadiene	9.76	225	170156	46.21	ng		100
37) 4-Chloro-3-methylphenol	10.46	107	366667	38.17	ng		99
38) 2-Methylnaphthalene	10.73	142	753586	36.88	ng		100
39) Hexachlorocyclopentadiene	10.99	237	141544	38.57	ng		99
40) 1,2,4,5-Tetrachlorobenzene	11.00	216	339638	47.28	ng		100
42) 2,4,6-Trichlorophenol	11.20	196	264959	45.44	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_05.D Vial: 5
Acq On : 26 Sep 2013 10:28 am Operator:
Sample : BF45197 LCSD Inst : Instrumen
Misc : 09-25-13 LCSD Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:23:29 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Thu Sep 26 14:22:52 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

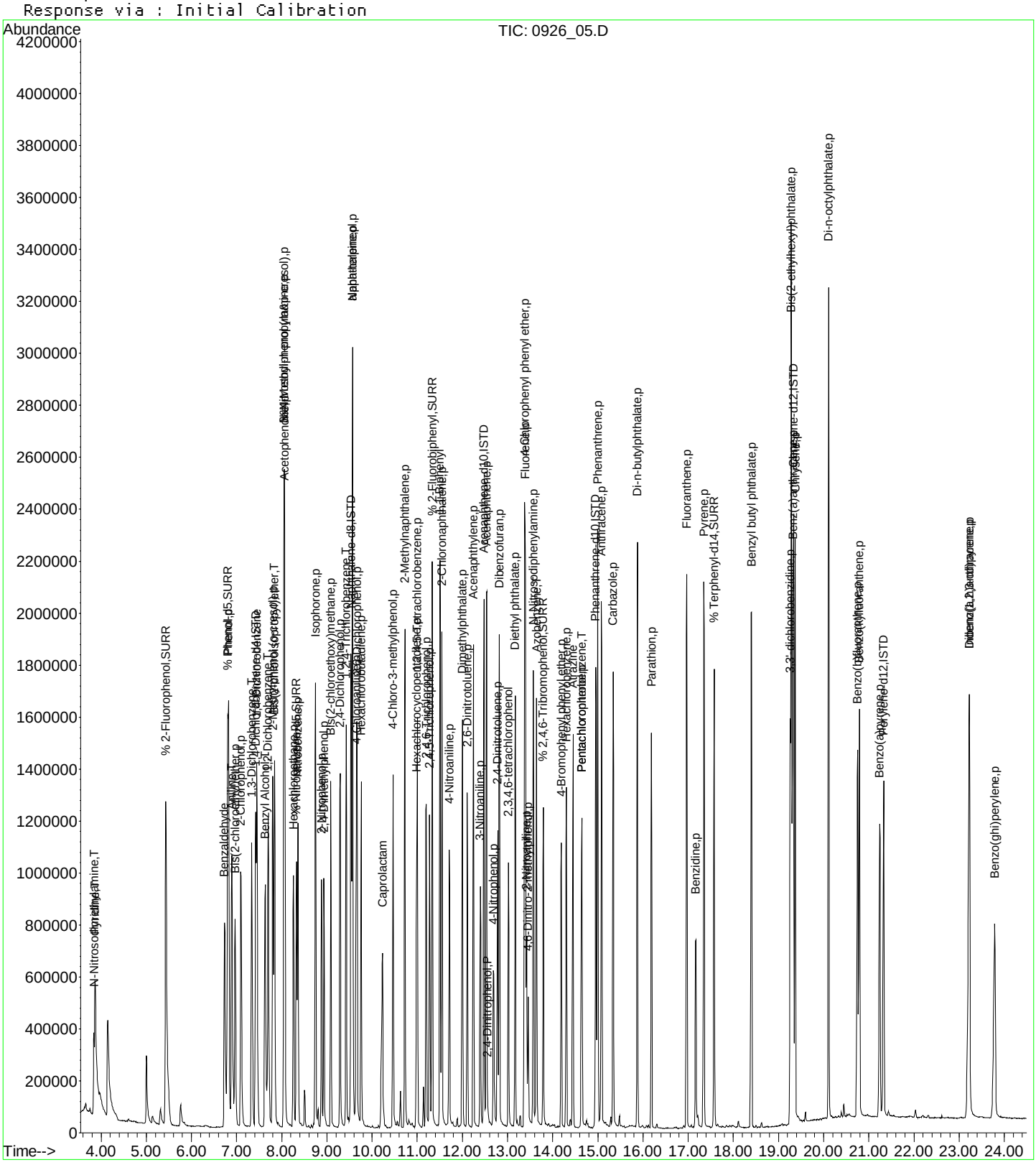
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	2,4,5-Trichlorophenol	11.27	196	282434	45.59	ng		98
45)	2-Chloronaphthalene	11.55	162	800423	38.73	ng		99
46)	4-Nitroaniline	11.71	65	275384	39.97	ng		98
47)	1,1-Biphenyl	11.50	154	969103	37.70	ng		100
48)	Dimethylphthalate	12.00	163	959536	40.21	ng		100
49)	2,6-Dinitrotoluene	12.11	165	238801	40.76	ng		98
50)	Acenaphthylene	12.24	152	1190479	37.06	ng		100
51)	3-Nitroaniline	12.40	138	194863	56.62	ng		100
52)	Acenaphthene	12.54	154	708644	37.67	ng		96
53)	2,4-Dinitrophenol	12.57	184	13554	6.13	ng		96
54)	Dibenzofuran	12.82	168	1116977	40.38	ng		99
55)	2,4-Dinitrotoluene	12.78	165	299413	40.87	ng		98
56)	4-Nitrophenol	12.69	65	153015	38.02	ng		99
57)	2,3,4,6-tetrachlorophenol	13.02	232	145445	39.94	ng		99
58)	Diethyl phthalate	13.17	149	894827	38.92	ng		99
59)	Fluorene	13.39	166	902774	42.77	ng		99
60)	4-Chlorophenyl phenyl ethe	13.38	204	412738	48.43	ng		99
61)	2-Nitroaniline	13.42	108	125131	86.64	ng	#	68
62)	4,6-Dinitro-2-methylphenol	13.46	198	95862	29.98	ng		100
63)	N-Nitrosodiphenylamine	13.57	169	618114	46.81	ng		98
64)	Azobenzene	13.64	77	931033	37.91	ng		98
67)	4-Bromophenyl phenyl ether	14.19	248	157777	36.05	ng		99
68)	Hexachlorobenzene	14.30	142	93036	37.40	ng		96
69)	Pentachlorophenol	14.64	266	89034	25.84	ng		98
70)	Pentachloronitrobenzene	14.64	214	51604	47.16	ng		98
71)	Atrazine	14.45	200	212467	49.38	ng		97
72)	Phenanthrene	15.00	178	1231171	42.48	ng		100
73)	Anthracene	15.08	178	1256944	42.12	ng		100
74)	Carbazole	15.34	167	1072143	66.52	ng		97
75)	Di-n-butylphthalate	15.88	149	1523132	38.13	ng		100
76)	Parathion	16.19	97	231244	40.55	ng		97
77)	Fluoranthene	16.97	202	1216624	45.78	ng		100
78)	Benzidine	17.17	184	427464	30.73	ng		100
79)	Pyrene	17.35	202	1250445	45.51	ng		100
82)	Benzyl butyl phthalate	18.40	149	778842	35.12	ng		99
83)	Bis(2-ethylhexyl)phthalate	19.28	149	1122383	36.12	ng		99
84)	Benz(a)anthracene	19.31	228	1053015	42.78	ng		100
85)	Chrysene	19.37	228	952532	42.08	ng		100
86)	Di-n-octylphthalate	20.11	149	1840854	34.76	ng		100
87)	3,3'-dichlorobenzidine	19.26	252	379831	64.66	ng		99
89)	Benzo(b)fluoranthene	20.75	252	924607	43.19	ng		100
90)	Benzo(k)fluoranthene	20.80	252	938898	45.21	ng		100
91)	Benzo(a)pyrene	21.24	252	757010	38.93	ng		100
92)	Indeno(1,2,3-cd)pyrene	23.22	276	966311	43.40	ng		100
93)	Dibenz(a,h)anthracene	23.23	278	809472	44.17	ng		100
94)	Benzo(ghi)perylene	23.79	276	756202	41.82	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_05.D Vial: 5
Acq On : 26 Sep 2013 10:28 am Operator:
Sample : BF45197 LCSD Inst : Instrumen
Misc : 09-25-13 LCSD Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:23 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Oct 04 14:54:14 2013
Response via : Initial Calibration



CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FM-1 MS

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45197 MS

Sample wt/vol: 15.26 (g/mL) g Lab File ID: 0926_06.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 5 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
62-75-9	N-Nitrosodimethylamine	2165		97	240
108-95-2	Phenol	2587		110	240
111-44-4	Bis(2-chloroethyl)ether	2360		97	140
100-52-7	Benzaldehyde	3534		100	240
95-57-8	2-Chlorophenol	2431		97	240
95-48-7	2-Methylphenol (o-cresol)	2499		170	240
39638-32-9	Bis(2-chloroisopropyl)ether	2827		97	240
621-64-7	N-Nitrosodi-n-propylamine	2817		110	140
HNX - M&P CRESOI	3&4-Methylphenol (m&p-cresol)	2507		140	240
98-86-2	Acetophenone	2723		110	240
67-72-1	Hexachloroethane	2441		100	140
98-95-3	Nitrobenzene	2687		120	140
78-59-1	Isophorone	2774		97	140
88-75-5	2-Nitrophenol	2836		220	240
105-67-9	2,4-Dimethylphenol	1927		83	240
111-91-1	Bis(2-chloroethoxy)methane	2552		97	240
120-83-2	2,4-Dichlorophenol	3104		120	140
91-20-3	Naphthalene	2443		97	240
106-47-8	4-Chloroaniline	2698		160	690
87-68-3	Hexachlorobutadiene	3301		120	240
59-50-7	4-Chloro-3-methylphenol	2774		120	240
91-57-6	2-Methylnaphthalene	2628		100	240
77-47-4	Hexachlorocyclopentadiene	2839		100	240
95-94-3	1,2,4,5-Tetrachlorobenzene	3442		120	240
88-06-2	2,4,6-Trichlorophenol	3370		110	140
95-95-4	2,4,5-Trichlorophenol	3365		190	240
91-58-7	2-Chloronaphthalene	2770		97	240
100-01-6	4-Nitroaniline	2863		120	1700
131-11-3	Dimethylphthalate	2887		110	240
606-20-2	2,6-Dinitrotoluene	2921		110	140
208-96-8	Acenaphthylene	2656		97	140
99-09-2	3-Nitroaniline	4041		760	1700
83-32-9	Acenaphthene	2706		100	240
51-28-5	2,4-Dinitrophenol	1291		240	240
105-60-2	Caprolactam	2506		240	240
132-64-9	Dibenzofuran	2887		100	240

FORM I SV

CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FM-1 MS

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45197 MS

Sample wt/vol: 15.26 (g/mL) g Lab File ID: 0926_06.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 5 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
121-14-2	2,4-Dinitrotoluene	2951		140	140
100-02-7	4-Nitrophenol	2901		160	1700
84-66-2	Diethyl phthalate	2781		110	240
86-73-7	Fluorene	3098		120	240
7005-72-3	4-Chlorophenyl phenyl ether	3464		120	240
88-74-4	2-Nitroaniline	6279		350	1700
534-52-1	4,6-Dinitro-2-methylphenol	3102		240	240
86-30-6	N-Nitrosodiphenylamine	3419		130	140
101-55-3	4-Bromophenyl phenyl ether	2616		100	240
118-74-1	Hexachlorobenzene	2690		100	140
1912-24-9	Atrazine	3460		140	140
92-52-4	1,1-Biphenyl	2652		100	240
87-86-5	Pentachlorophenol	2438		130	240
85-01-8	Phenanthrene	3068		97	140
120-12-7	Anthracene	2984		110	240
86-74-8	Carbazole	4874		260	1700
84-74-2	Di-n-butylphthalate	2691		90	240
206-44-0	Fluoranthene	3357		110	240
129-00-0	Pyrene	3301		120	240
85-68-7	Benzyl butyl phthalate	2517		90	240
117-81-7	Bis(2-ethylhexyl)phthalate	2567		97	240
56-55-3	Benz(a)anthracene	3069		120	240
218-01-9	Chrysene	3028		120	240
58-90-2	2,3,4,6-tetrachlorophenol	3152		160	240
117-84-0	Di-n-octylphthalate	2403		90	240
91-94-1	3,3'-dichlorobenzidine	4373		140	140
205-99-2	Benzo(b)fluoranthene	3327		120	240
207-08-9	Benzo(k)fluoranthene	3084		120	240
50-32-8	Benzo(a)pyrene	2836		110	140
193-39-5	Indeno(1,2,3-cd)pyrene	3179		120	240
53-70-3	Dibenz(a,h)anthracene	3225		110	140
191-24-2	Benzo(ghi)perylene	3057		110	240

FORM I SV

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_06.D Vial: 6
Acq On : 26 Sep 2013 10:57 am Operator:
Sample : BF45197 MS Inst : Instrumen
Misc : FM-1 MS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:23:30 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Thu Sep 26 14:22:52 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	367743	40.00	ng		0.00
23) Naphthalene-d8	9.53	136	1301728	40.00	ng		0.00
41) Acenaphthene-d10	12.48	164	744444	40.00	ng		0.00
65) Phenanthrene-d10	14.95	188	1196454	40.00	ng		0.00
81) Chrysene-d12	19.33	240	1045785	40.00	ng		0.00
88) Perylene-d12	21.33	264	849405	40.00	ng		0.00
System Monitoring Compounds							
5) % 2-Fluorophenol	5.45	112	667860	49.73	ng		0.03
Spiked Amount 75.000	Range 30 - 130		Recovery = 66.31%				
6) % Phenol-d5	6.81	99	939861	56.50	ng		0.02
Spiked Amount 75.000	Range 30 - 130		Recovery = 75.33%				
21) % Nitrobenzene-d5	8.33	82	562139	38.34	ng		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 76.68%				
44) % 2-Fluorobiphenyl	11.33	172	1042184	41.58	ng		0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 83.16%				
66) % 2,4,6-Tribromophenol	13.79	62	138473	64.67	ng		0.01
Spiked Amount 75.000	Range 30 - 130		Recovery = 86.23%				
80) % Terphenyl-d14	17.58	244	913670	52.98	ng		0.00
Spiked Amount 50.000			Recovery = 105.96%				
Target Compounds							Qvalue
2) N-Nitrosodimethylamine	3.84	74	293655	31.39	ng		99
3) Pyridine	3.86	79	440510	26.10	ng	#	58
4) Benzaldehyde	6.73	77	347536	51.23	ng		99
7) Phenol	6.83	94	681215	37.50	ng		97
8) Bis(2-chloroethyl)ether	6.97	93	524511	34.21	ng		99
9) Aniline	6.89	93	683216	36.32	ng		98
10) 2-Chlorophenol	7.10	128	436840	35.24	ng		98
11) 1,3-Dichlorobenzene	7.33	146	501886	35.47	ng		100
12) 1,4-Dichlorobenzene	7.45	146	509721	36.77	ng		99
13) Benzyl Alcohol	7.63	79	433140	39.56	ng		99
14) 1,2-Dichlorobenzene	7.70	146	486780	36.24	ng		99
15) 2-Methylphenol (o-cresol)	7.80	107	375464	36.23	ng		98
16) Bis(2-chloroisopropyl)ethe	7.84	45	1138152	40.98	ng		99
17) N-Nitrosodi-n-propylamine	8.06	70	302931	40.84	ng		98
18) 3&4-Methylphenol (m&p-cres	8.05	107	549551	36.35	ng		98
19) Acetophenone	8.07	105	643560	39.48	ng		98
20) Hexachloroethane	8.26	117	201175	35.38	ng		99
22) Nitrobenzene	8.36	77	546984	38.96	ng		98
24) Isophorone	8.75	82	1124156	40.21	ng		99
25) 2-Nitrophenol	8.88	81	94814	41.12	ng		99
26) 2,4-Dimethylphenol	8.93	107	312139	27.93	ng		100
27) Bis(2-chloroethoxy)methane	9.09	93	622700	37.00	ng		99
29) 2,4-Dichlorophenol	9.29	162	467505	45.00	ng		98
30) 1,2,4-Trichlorobenzene	9.43	180	483067	43.16	ng		99
31) 2,6-Dichlorophenol	9.66	162	439172	43.01	ng		99
32) Naphthalene	9.57	128	1090440	35.42	ng		100
33) alpha-terpineol	9.56	59	388725	41.37	ng		97
34) 4-Chloroaniline	9.65	65	133968	39.12	ng	#	98
35) Caprolactam	10.24	113	152926	36.33	ng		99
36) Hexachlorobutadiene	9.76	225	186737	47.86	ng		100
37) 4-Chloro-3-methylphenol	10.47	107	409461	40.22	ng		99
38) 2-Methylnaphthalene	10.73	142	825085	38.10	ng		100
39) Hexachlorocyclopentadiene	10.99	237	160052	41.16	ng		99
40) 1,2,4,5-Tetrachlorobenzene	11.00	216	379913	49.90	ng		100
42) 2,4,6-Trichlorophenol	11.20	196	304639	48.86	ng		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_06.D Vial: 6
Acq On : 26 Sep 2013 10:57 am Operator:
Sample : BF45197 MS Inst : Instrumen
Misc : FM-1 MS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:23:30 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Thu Sep 26 14:22:52 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

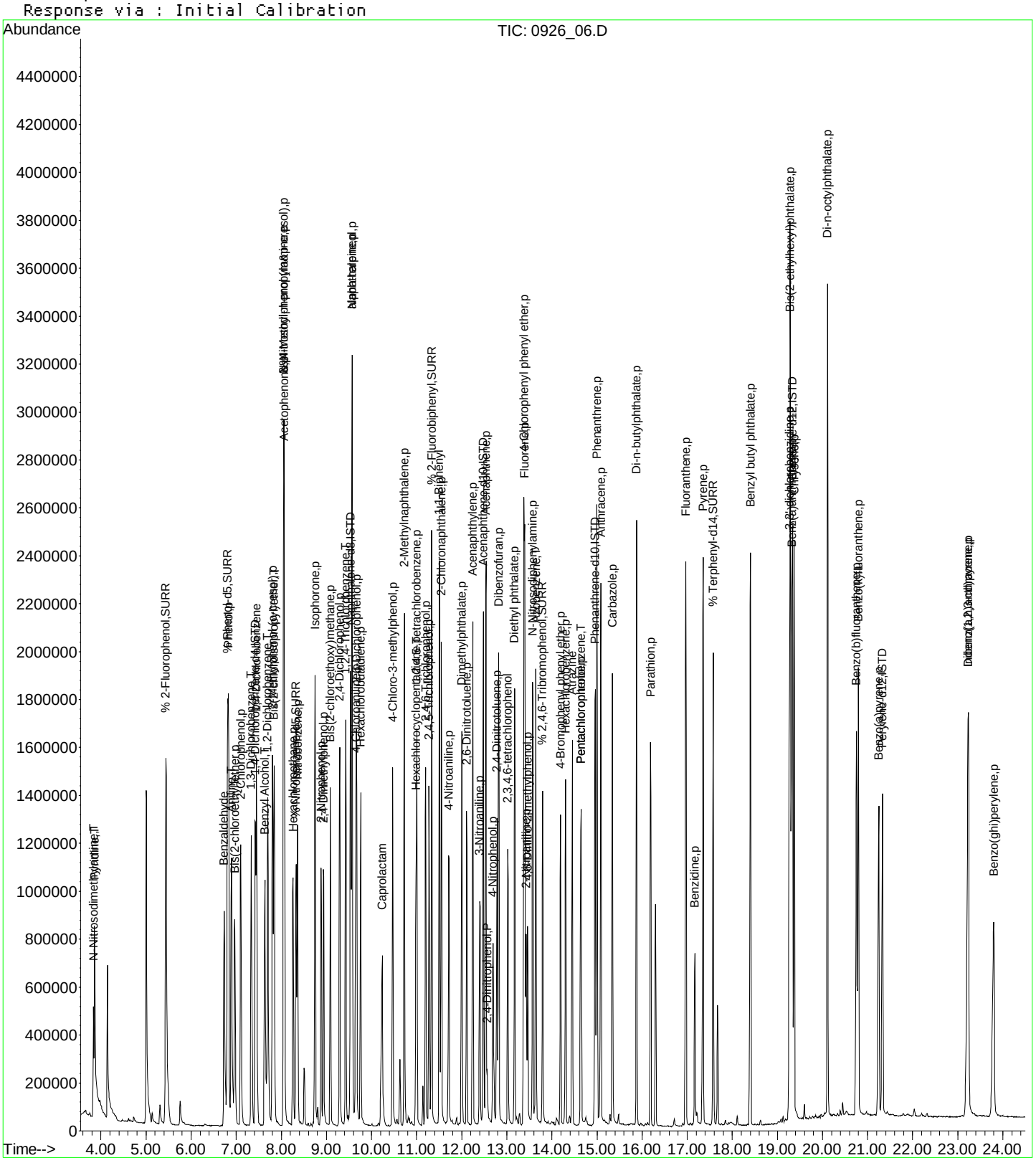
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	2,4,5-Trichlorophenol	11.27	196	323110	48.78	ng		99
45)	2-Chloronaphthalene	11.55	162	887496	40.16	ng		99
46)	4-Nitroaniline	11.71	65	305770	41.51	ng		97
47)	1,1-Biphenyl	11.50	154	1056430	38.44	ng		100
48)	Dimethylphthalate	12.01	163	1068280	41.86	ng		100
49)	2,6-Dinitrotoluene	12.11	165	265251	42.35	ng		97
50)	Acenaphthylene	12.24	152	1322590	38.51	ng		100
51)	3-Nitroaniline	12.40	138	215557	58.58	ng		98
52)	Acenaphthene	12.54	154	789170	39.23	ng		97
53)	2,4-Dinitrophenol	12.57	184	44208	18.71	ng		99
54)	Dibenzofuran	12.82	168	1237898	41.86	ng		99
55)	2,4-Dinitrotoluene	12.78	165	335084	42.78	ng		98
56)	4-Nitrophenol	12.69	65	180921	42.05	ng		99
57)	2,3,4,6-tetrachlorophenol	13.03	232	177936	45.70	ng		98
58)	Diethyl phthalate	13.17	149	990899	40.31	ng		99
59)	Fluorene	13.39	166	1013552	44.91	ng		100
60)	4-Chlorophenyl phenyl ethe	13.38	204	457550	50.22	ng		99
61)	2-Nitroaniline	13.43	108	140560	91.03	ng	#	70
62)	4,6-Dinitro-2-methylphenol	13.46	198	153754	44.97	ng		99
63)	N-Nitrosodiphenylamine	13.57	169	699860	49.57	ng		99
64)	Azobenzene	13.65	77	1011421	38.52	ng		97
67)	4-Bromophenyl phenyl ether	14.19	248	179538	37.92	ng		96
68)	Hexachlorobenzene	14.30	142	104917	38.99	ng		96
69)	Pentachlorophenol	14.64	266	131760	35.35	ng		99
70)	Pentachloronitrobenzene	14.65	214	58786	49.67	ng		96
71)	Atrazine	14.45	200	233432	50.16	ng		96
72)	Phenanthrene	15.00	178	1394406	44.48	ng		99
73)	Anthracene	15.09	178	1396428	43.26	ng		100
74)	Carbazole	15.35	167	1231773	70.66	ng		97
75)	Di-n-butylphthalate	15.88	149	1685388	39.01	ng		100
76)	Parathion	16.19	97	254707	41.29	ng		97
77)	Fluoranthene	16.97	202	1398959	48.66	ng		100
78)	Benzidine	17.17	184	398203	26.46	ng		99
79)	Pyrene	17.35	202	1422474	47.86	ng		100
82)	Benzyl butyl phthalate	18.40	149	878532	36.49	ng		98
83)	Bis(2-ethylhexyl)phthalate	19.28	149	1255323	37.22	ng		98
84)	Benz(a)anthracene	19.31	228	1188804	44.49	ng		100
85)	Chrysene	19.37	228	1078400	43.89	ng		100
86)	Di-n-octylphthalate	20.11	149	2002516	34.84	ng		100
87)	3,3'-dichlorobenzidine	19.27	252	404255	63.40	ng		100
89)	Benzo(b)fluoranthene	20.75	252	1103400	48.23	ng		100
90)	Benzo(k)fluoranthene	20.80	252	992342	44.71	ng		100
91)	Benzo(a)pyrene	21.25	252	854273	41.11	ng		100
92)	Indeno(1,2,3-cd)pyrene	23.23	276	1096617	46.09	ng		100
93)	Dibenz(a,h)anthracene	23.24	278	915810	46.75	ng		99
94)	Benzo(ghi)perylene	23.80	276	856643	44.32	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_06.D Vial: 6
Acq On : 26 Sep 2013 10:57 am Operator:
Sample : BF45197 MS Inst : Instrumen
Misc : FM-1 MS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:23 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Oct 04 14:54:14 2013
Response via : Initial Calibration



CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FM-1 MSD

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45197 MSD

Sample wt/vol: 15.18 (g/mL) g Lab File ID: 0926_07.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 5 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
62-75-9	N-Nitrosodimethylamine	2184		97	240
108-95-2	Phenol	2605		110	240
111-44-4	Bis(2-chloroethyl)ether	2357		97	140
100-52-7	Benzaldehyde	3576		100	240
95-57-8	2-Chlorophenol	2462		97	240
95-48-7	2-Methylphenol (o-cresol)	2531		170	240
39638-32-9	Bis(2-chloroisopropyl)ether	2836		97	240
621-64-7	N-Nitrosodi-n-propylamine	2853		110	140
HNX - M&P CRESOI	3&4-Methylphenol (m&p-cresol)	2492		140	240
98-86-2	Acetophenone	2730		110	240
67-72-1	Hexachloroethane	2423		100	140
98-95-3	Nitrobenzene	2706		120	140
78-59-1	Isophorone	2759		97	140
88-75-5	2-Nitrophenol	2858		220	240
105-67-9	2,4-Dimethylphenol	1923		83	240
111-91-1	Bis(2-chloroethoxy)methane	2553		97	240
120-83-2	2,4-Dichlorophenol	3037		120	140
91-20-3	Naphthalene	2449		97	240
106-47-8	4-Chloroaniline	2692		160	690
87-68-3	Hexachlorobutadiene	3274		120	240
59-50-7	4-Chloro-3-methylphenol	2734		120	240
91-57-6	2-Methylnaphthalene	2623		100	240
77-47-4	Hexachlorocyclopentadiene	2777		100	240
95-94-3	1,2,4,5-Tetrachlorobenzene	3408		120	240
88-06-2	2,4,6-Trichlorophenol	3439		110	140
95-95-4	2,4,5-Trichlorophenol	3412		190	240
91-58-7	2-Chloronaphthalene	2858		97	240
100-01-6	4-Nitroaniline	2903		120	1700
131-11-3	Dimethylphthalate	2933		110	240
606-20-2	2,6-Dinitrotoluene	2960		110	140
208-96-8	Acenaphthylene	2724		97	140
99-09-2	3-Nitroaniline	3941		760	1700
83-32-9	Acenaphthene	2782		100	240
51-28-5	2,4-Dinitrophenol	1257		240	240
105-60-2	Caprolactam	2555		240	240
132-64-9	Dibenzofuran	2955		100	240

FORM I SV

CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FM-1 MSD

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45197 MSD

Sample wt/vol: 15.18 (g/mL) g Lab File ID: 0926_07.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: 5 Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
121-14-2	2,4-Dinitrotoluene	2975		140	140
100-02-7	4-Nitrophenol	2832		160	1700
84-66-2	Diethyl phthalate	2808		110	240
86-73-7	Fluorene	3120		120	240
7005-72-3	4-Chlorophenyl phenyl ether	3508		120	240
88-74-4	2-Nitroaniline	6209		350	1700
534-52-1	4,6-Dinitro-2-methylphenol	3164		240	240
86-30-6	N-Nitrosodiphenylamine	3387		130	140
101-55-3	4-Bromophenyl phenyl ether	2625		100	240
118-74-1	Hexachlorobenzene	2736		100	140
1912-24-9	Atrazine	3529		140	140
92-52-4	1,1-Biphenyl	2692		100	240
87-86-5	Pentachlorophenol	2381		130	240
85-01-8	Phenanthrene	3075		97	140
120-12-7	Anthracene	3026		110	240
86-74-8	Carbazole	4847		260	1700
84-74-2	Di-n-butylphthalate	2767		90	240
206-44-0	Fluoranthene	3314		110	240
129-00-0	Pyrene	3328		120	240
85-68-7	Benzyl butyl phthalate	2593		90	240
117-81-7	Bis(2-ethylhexyl)phthalate	2591		97	240
56-55-3	Benz(a)anthracene	3132		120	240
218-01-9	Chrysene	3062		120	240
58-90-2	2,3,4,6-tetrachlorophenol	3181		160	240
117-84-0	Di-n-octylphthalate	2472		90	240
91-94-1	3,3'-dichlorobenzidine	4263		140	140
205-99-2	Benzo(b)fluoranthene	3227		120	240
207-08-9	Benzo(k)fluoranthene	3241		120	240
50-32-8	Benzo(a)pyrene	2854		110	140
193-39-5	Indeno(1,2,3-cd)pyrene	3145		120	240
53-70-3	Dibenz(a,h)anthracene	3195		110	140
191-24-2	Benzo(ghi)perylene	3046		110	240

FORM I SV

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_07.D Vial: 7
Acq On : 26 Sep 2013 11:27 am Operator:
Sample : BF45197 MSD Inst : Instrumen
Misc : FM-1 MSD Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:23:31 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Thu Sep 26 14:22:52 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	352269	40.00	ng	0.00
23) Naphthalene-d8	9.53	136	1250583	40.00	ng	0.00
41) Acenaphthene-d10	12.48	164	690851	40.00	ng	0.00
65) Phenanthrene-d10	14.96	188	1095890	40.00	ng	0.00
81) Chrysene-d12	19.34	240	953384	40.00	ng	0.00
88) Perylene-d12	21.33	264	750428	40.00	ng	0.00
System Monitoring Compounds						
5) % 2-Fluorophenol	5.44	112	640181	49.76	ng	0.02
Spiked Amount 75.000	Range 30 - 130		Recovery = 66.35%			
6) % Phenol-d5	6.81	99	910650	57.15	ng	0.02
Spiked Amount 75.000	Range 30 - 130		Recovery = 76.20%			
21) % Nitrobenzene-d5	8.33	82	541372	38.54	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 77.08%			
44) % 2-Fluorobiphenyl	11.33	172	991006	42.61	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 85.22%			
66) % 2,4,6-Tribromophenol	13.79	62	130465	66.52	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 88.69%			
80) % Terphenyl-d14	17.58	244	842873	53.36	ng	0.00
Spiked Amount 50.000			Recovery = 106.72%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.83	74	282162	31.49	ng	95
3) Pyridine	3.85	79	419960	25.97	ng	# 57
4) Benzaldehyde	6.73	77	335148	51.57	ng	99
7) Phenol	6.83	94	653603	37.56	ng	97
8) Bis(2-chloroethyl)ether	6.96	93	499214	33.99	ng	98
9) Aniline	6.89	93	659604	36.61	ng	99
10) 2-Chlorophenol	7.10	128	421567	35.50	ng	99
11) 1,3-Dichlorobenzene	7.33	146	486285	35.88	ng	100
12) 1,4-Dichlorobenzene	7.45	146	487950	36.75	ng	100
13) Benzyl Alcohol	7.63	79	411524	39.24	ng	99
14) 1,2-Dichlorobenzene	7.70	146	464126	36.07	ng	100
15) 2-Methylphenol (o-cresol)	7.81	107	362405	36.50	ng	98
16) Bis(2-chloroisopropyl)ethe	7.84	45	1088127	40.90	ng	99
17) N-Nitrosodi-n-propylamine	8.06	70	292381	41.15	ng	99
18) 3&4-Methylphenol (m&p-cres	8.05	107	520426	35.93	ng	99
19) Acetophenone	8.07	105	614817	39.37	ng	98
20) Hexachloroethane	8.26	117	190284	34.94	ng	98
22) Nitrobenzene	8.36	77	524944	39.03	ng	99
24) Isophorone	8.74	82	1068689	39.79	ng	99
25) 2-Nitrophenol	8.88	81	91284	41.21	ng	98
26) 2,4-Dimethylphenol	8.94	107	297707	27.73	ng	100
27) Bis(2-chloroethoxy)methane	9.09	93	595199	36.81	ng	99
29) 2,4-Dichlorophenol	9.29	162	437038	43.79	ng	99
30) 1,2,4-Trichlorobenzene	9.43	180	461000	42.88	ng	99
31) 2,6-Dichlorophenol	9.67	162	414393	42.24	ng	100
32) Naphthalene	9.57	128	1044807	35.32	ng	100
33) alpha-terpineol	9.56	59	374435	41.48	ng	98
34) 4-Chloroaniline	9.65	65	127730	38.82	ng	98
35) Caprolactam	10.24	113	149031	36.85	ng	99
36) Hexachlorobutadiene	9.76	225	177013	47.22	ng	100
37) 4-Chloro-3-methylphenol	10.47	107	385634	39.43	ng	98
38) 2-Methylnaphthalene	10.72	142	786771	37.82	ng	99
39) Hexachlorocyclopentadiene	10.98	237	149576	40.04	ng	99
40) 1,2,4,5-Tetrachlorobenzene	11.00	216	359508	49.15	ng	100
42) 2,4,6-Trichlorophenol	11.20	196	286907	49.59	ng	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_07.D Vial: 7
Acq On : 26 Sep 2013 11:27 am Operator:
Sample : BF45197 MSD Inst : Instrumen
Misc : FM-1 MSD Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:23:31 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Thu Sep 26 14:22:52 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

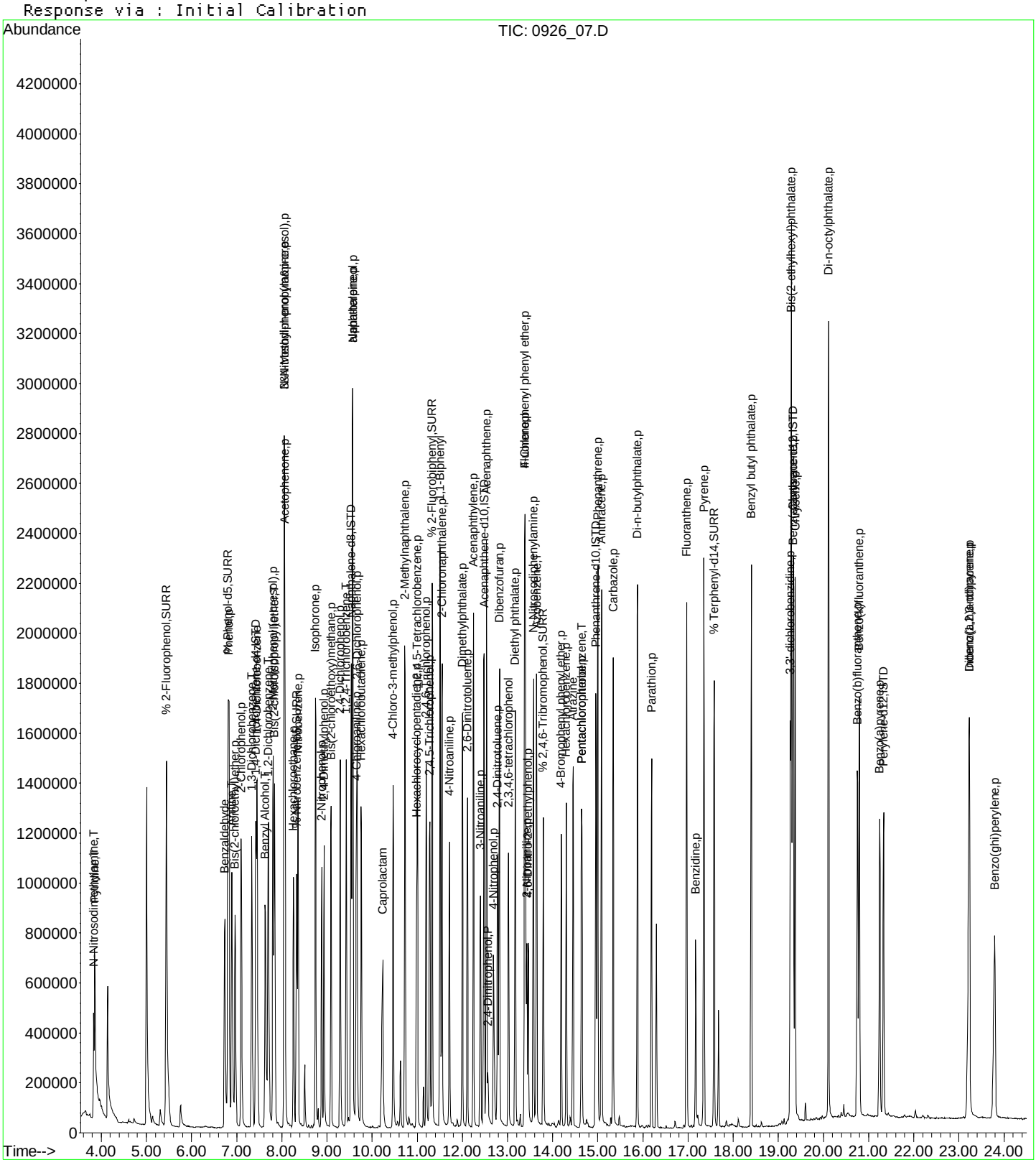
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	2,4,5-Trichlorophenol	11.28	196	302475	49.21	ng		99
45)	2-Chloronaphthalene	11.55	162	845166	41.21	ng		99
46)	4-Nitroaniline	11.71	65	286230	41.87	ng		98
47)	1,1-Biphenyl	11.51	154	990217	38.82	ng		100
48)	Dimethylphthalate	12.00	163	1001364	42.29	ng		100
49)	2,6-Dinitrotoluene	12.11	165	248119	42.68	ng		99
50)	Acenaphthylene	12.25	152	1251762	39.28	ng		100
51)	3-Nitroaniline	12.40	138	194106	56.84	ng		99
52)	Acenaphthene	12.53	154	748994	40.12	ng		98
53)	2,4-Dinitrophenol	12.56	184	39755	18.13	ng		100
54)	Dibenzofuran	12.82	168	1169567	42.61	ng		99
55)	2,4-Dinitrotoluene	12.79	165	311806	42.90	ng		98
56)	4-Nitrophenol	12.69	65	163065	40.84	ng		99
57)	2,3,4,6-tetrachlorophenol	13.02	232	165755	45.88	ng		98
58)	Diethyl phthalate	13.17	149	923815	40.49	ng		99
59)	Fluorene	13.39	166	942128	44.99	ng		100
60)	4-Chlorophenyl phenyl ethe	13.38	204	427736	50.59	ng		99
61)	2-Nitroaniline	13.43	108	128317	89.54	ng	#	69
62)	4,6-Dinitro-2-methylphenol	13.46	198	144775	45.63	ng		98
63)	N-Nitrosodiphenylamine	13.58	169	640096	48.85	ng		98
64)	Azobenzene	13.64	77	953035	39.11	ng		98
67)	4-Bromophenyl phenyl ether	14.19	248	164124	37.85	ng		98
68)	Hexachlorobenzene	14.30	142	97269	39.46	ng		95
69)	Pentachlorophenol	14.63	266	117205	34.33	ng		98
70)	Pentachloronitrobenzene	14.65	214	54249	50.04	ng		96
71)	Atrazine	14.45	200	216934	50.89	ng		97
72)	Phenanthrene	15.00	178	1273478	44.35	ng		99
73)	Anthracene	15.08	178	1290092	43.64	ng		100
74)	Carbazole	15.34	167	1116116	69.90	ng		97
75)	Di-n-butylphthalate	15.88	149	1578891	39.90	ng		100
76)	Parathion	16.19	97	234920	41.57	ng		97
77)	Fluoranthene	16.97	202	1258306	47.79	ng		100
78)	Benzidine	17.17	184	406883	29.52	ng		100
79)	Pyrene	17.35	202	1306646	47.99	ng		100
82)	Benzyl butyl phthalate	18.40	149	820741	37.40	ng		98
83)	Bis(2-ethylhexyl)phthalate	19.29	149	1148728	37.36	ng		99
84)	Benz(a)anthracene	19.32	228	1100058	45.16	ng		99
85)	Chrysene	19.38	228	989081	44.16	ng		100
86)	Di-n-octylphthalate	20.11	149	1867736	35.65	ng		100
87)	3,3'-dichlorobenzidine	19.26	252	357339	61.47	ng		99
89)	Benzo(b)fluoranthene	20.76	252	940717	46.54	ng		100
90)	Benzo(k)fluoranthene	20.79	252	916625	46.74	ng		100
91)	Benzo(a)pyrene	21.24	252	755634	41.16	ng		100
92)	Indeno(1,2,3-cd)pyrene	23.22	276	953647	45.36	ng		100
93)	Dibenz(a,h)anthracene	23.23	278	797462	46.08	ng		99
94)	Benzo(ghi)perylene	23.79	276	750160	43.93	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_07.D Vial: 7
Acq On : 26 Sep 2013 11:27 am Operator:
Sample : BF45197 MSD Inst : Instrumen
Misc : FM-1 MSD Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:23 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Oct 04 14:54:14 2013
Response via : Initial Calibration



CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

09-25-13 BLANK

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45197 BLANK

Sample wt/vol: 15 (g/mL) g Lab File ID: 0926_03.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: n.a. Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
62-75-9	N-Nitrosodimethylamine	230	U	93	230
108-95-2	Phenol	230	U	110	230
111-44-4	Bis(2-chloroethyl)ether	130	U	93	130
100-52-7	Benzaldehyde	230	U	100	230
95-57-8	2-Chlorophenol	230	U	93	230
95-48-7	2-Methylphenol (o-cresol)	230	U	160	230
39638-32-9	Bis(2-chloroisopropyl)ether	230	U	93	230
621-64-7	N-Nitrosodi-n-propylamine	130	U	110	130
HNX - M&P CRESOI	3&4-Methylphenol (m&p-cresol)	230	U	130	230
98-86-2	Acetophenone	230	U	110	230
67-72-1	Hexachloroethane	130	U	100	130
98-95-3	Nitrobenzene	130	U	120	130
78-59-1	Isophorone	130	U	93	130
88-75-5	2-Nitrophenol	230	U	210	230
105-67-9	2,4-Dimethylphenol	230	U	80	230
111-91-1	Bis(2-chloroethoxy)methane	230	U	93	230
120-83-2	2,4-Dichlorophenol	130	U	120	130
91-20-3	Naphthalene	230	U	93	230
106-47-8	4-Chloroaniline	670	U	150	670
87-68-3	Hexachlorobutadiene	230	U	120	230
59-50-7	4-Chloro-3-methylphenol	230	U	120	230
91-57-6	2-Methylnaphthalene	230	U	100	230
77-47-4	Hexachlorocyclopentadiene	230	U	100	230
95-94-3	1,2,4,5-Tetrachlorobenzene	230	U	120	230
88-06-2	2,4,6-Trichlorophenol	130	U	110	130
95-95-4	2,4,5-Trichlorophenol	230	U	180	230
91-58-7	2-Chloronaphthalene	230	U	93	230
100-01-6	4-Nitroaniline	1700	U	110	1700
131-11-3	Dimethylphthalate	230	U	110	230
606-20-2	2,6-Dinitrotoluene	130	U	110	130
208-96-8	Acenaphthylene	130	U	93	130
99-09-2	3-Nitroaniline	1700	U	730	1700
83-32-9	Acenaphthene	230	U	100	230
51-28-5	2,4-Dinitrophenol	230	U	230	230
105-60-2	Caprolactam	230	U	230	230
132-64-9	Dibenzofuran	230	U	100	230

FORM I SV

CLIENT ID

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

09-25-13 BLANK

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45197 BLANK

Sample wt/vol: 15 (g/mL) g Lab File ID: 0926_03.D

Concentrated Extract Volume: 1000 (uL) Date Received: 09/25/13

% Moisture: n.a. Date Extracted: 09/25/13

Instrument: CHEM09 Inj. Vol. 1.0 (uL) Date Analyzed: 09/26/13

GPC Cleanup:(Y/N) N pH: Dilution Factor: 1

Matrix: (soil/water) SOIL CONCENTRATION UNITS:(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
121-14-2	2,4-Dinitrotoluene	130	U	130	130
100-02-7	4-Nitrophenol	1700	U	150	1700
84-66-2	Diethyl phthalate	230	U	110	230
86-73-7	Fluorene	230	U	110	230
7005-72-3	4-Chlorophenyl phenyl ether	230	U	110	230
88-74-4	2-Nitroaniline	1700	U	340	1700
534-52-1	4,6-Dinitro-2-methylphenol	230	U	230	230
86-30-6	N-Nitrosodiphenylamine	130	U	130	130
101-55-3	4-Bromophenyl phenyl ether	230	U	100	230
118-74-1	Hexachlorobenzene	130	U	100	130
1912-24-9	Atrazine	130	U	130	130
92-52-4	1,1-Biphenyl	230	U	100	230
87-86-5	Pentachlorophenol	230	U	130	230
85-01-8	Phenanthrene	130	U	93	130
120-12-7	Anthracene	230	U	110	230
86-74-8	Carbazole	1700	U	250	1700
84-74-2	Di-n-butylphthalate	230	U	87	230
206-44-0	Fluoranthene	230	U	110	230
129-00-0	Pyrene	230	U	110	230
85-68-7	Benzyl butyl phthalate	230	U	87	230
117-81-7	Bis(2-ethylhexyl)phthalate	230	U	93	230
56-55-3	Benz(a)anthracene	230	U	110	230
218-01-9	Chrysene	230	U	110	230
58-90-2	2,3,4,6-tetrachlorophenol	230	U	150	230
117-84-0	Di-n-octylphthalate	230	U	87	230
91-94-1	3,3'-dichlorobenzidine	130	U	130	130
205-99-2	Benzo(b)fluoranthene	230	U	110	230
207-08-9	Benzo(k)fluoranthene	230	U	110	230
50-32-8	Benzo(a)pyrene	130	U	110	130
193-39-5	Indeno(1,2,3-cd)pyrene	230	U	110	230
53-70-3	Dibenz(a,h)anthracene	130	U	110	130
191-24-2	Benzo(ghi)perylene	230	U	110	230

FORM I SV

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: 09-25-13 BLANK

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45197 BLANK

Sample wt/vol: 15 (g/mL) g Lab File ID: 0926_03.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 0 decanted:(Y/N) NA Date Extracted: 09/25/13

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 9/26/2013

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
003142-66-3	3-Hydroxy-2-pentanone	4.998	1100	JNA

FORM I SEMIVOA-TIC

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_03.D Vial: 3
Acq On : 26 Sep 2013 9:28 am Operator:
Sample : BF45197 BLANK Inst : Instrumen
Misc : 09-25-13 BLANK Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:23:28 2013 Quant Results File: SV_0923.RES

Quant Method : H:\SV2013\C...\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Thu Sep 26 14:22:52 2013
Response via : Initial Calibration
DataAcq Meth : 8270_ANI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	396283	40.00	ng	0.00
23) Naphthalene-d8	9.53	136	1301101	40.00	ng	0.00
41) Acenaphthene-d10	12.47	164	807287	40.00	ng	0.00
65) Phenanthrene-d10	14.95	188	1284843	40.00	ng	0.00
81) Chrysene-d12	19.32	240	952082	40.00	ng	0.00
88) Perylene-d12	21.32	264	972452	40.00	ng	0.00
System Monitoring Compounds						
5) % 2-Fluorophenol	5.44	112	641399	44.32	ng	0.02
Spiked Amount 75.000	Range 30 - 130		Recovery = 59.09%			
6) % Phenol-d5	6.80	99	916150	51.11	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 68.15%			
21) % Nitrobenzene-d5	8.32	82	546758	34.60	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 69.20%			
44) % 2-Fluorobiphenyl	11.33	172	964828	35.50	ng	0.00
Spiked Amount 50.000	Range 30 - 130		Recovery = 71.00%			
66) % 2,4,6-Tribromophenol	13.78	62	128384	55.83	ng	0.00
Spiked Amount 75.000	Range 30 - 130		Recovery = 74.44%			
80) % Terphenyl-d14	17.57	244	759246	41.00	ng	0.00
Spiked Amount 50.000			Recovery = 82.00%			

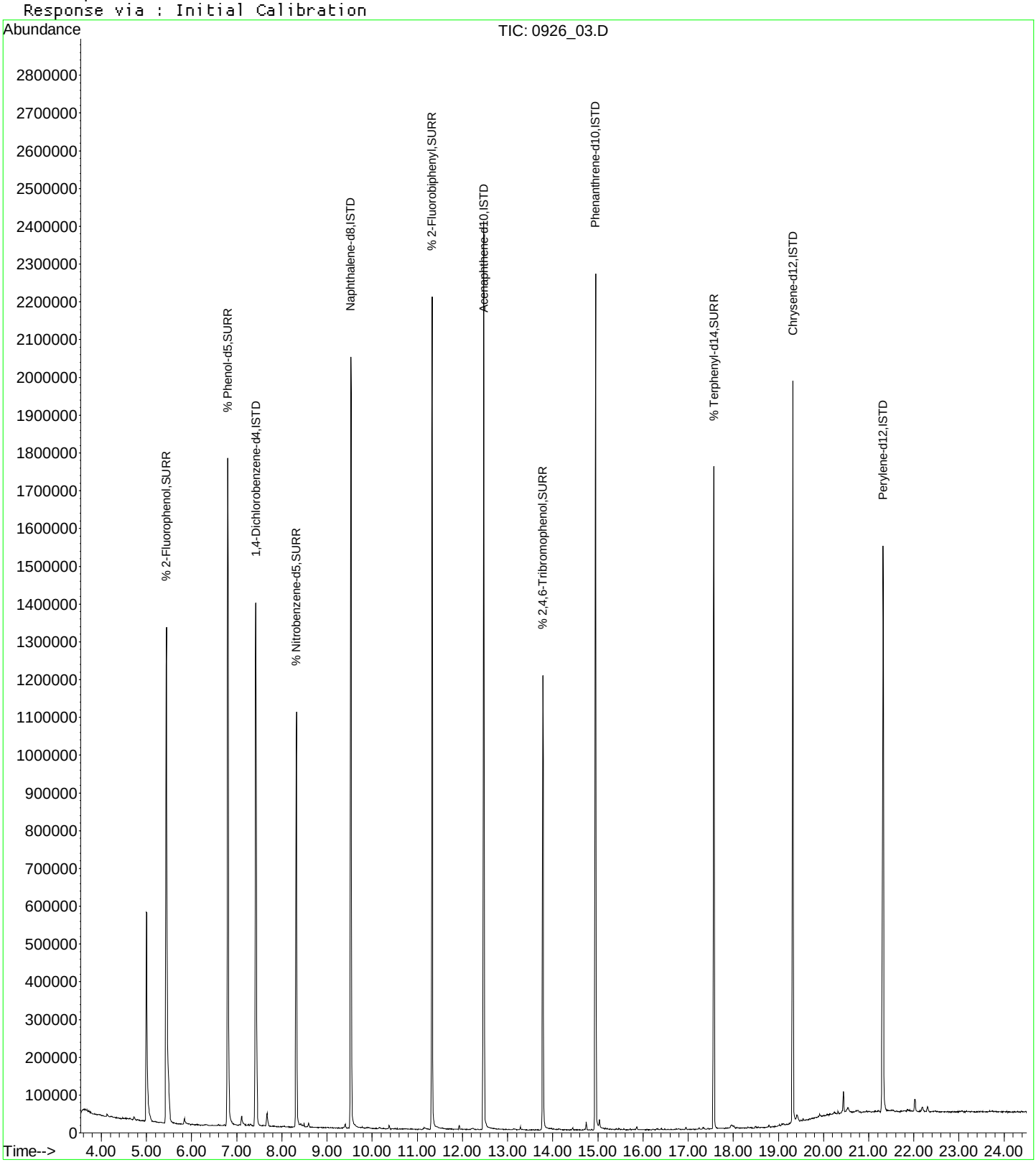
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\SV2013\CHEM09\09SEP\0926\0926_03.D Vial: 3
Acq On : 26 Sep 2013 9:28 am Operator:
Sample : BF45197 BLANK Inst : Instrumen
Misc : 09-25-13 BLANK Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 26 14:23 2013 Quant Results File: SV_0923.RES

Method : H:\SV2013\CHEM09\METHODS\SV_0923.M (RTE Integrator)
Title : Semivolatiles by GC/MS - EPA Method 625/8270
Last Update : Fri Oct 04 14:54:14 2013
Response via : Initial Calibration



Injection Log

Directory: H:\SV2013\CHEM09\09SEP\0923

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0923_01.d	1.	50PPM DFTPP		23 Sep 2013 09:09
2	1	0923_01a.d	1.	50PPM DFTPP	TUNE	23 Sep 2013 15:13
3	2	0923_02.d	1.	30PPM 8270CC		23 Sep 2013 09:34
4	2	0923_02a.d	1.	30PPM 8270	ICAL 30	23 Sep 2013 15:43
5	3	0923_03a.d	1.	70PPM 8270	ICAL 70	23 Sep 2013 16:13
6	4	0923_04a.d	1.	50PPM 8270	ICAL 50	23 Sep 2013 16:43
7	5	0923_05a.d	1.	20PPM 8270	ICAL 20	23 Sep 2013 17:12
8	6	0923_06a.d	1.	10PPM 8270	ICAL 10	23 Sep 2013 17:43
9	7	0923_07a.d	1.	3.5PPM 8270	ICAL 3.5	23 Sep 2013 18:13
10	8	0923_08a.d	1.	50PPM CVS		23 Sep 2013 18:43
11	1	0923_09.d	1.	50PPM DFTPP		23 Sep 2013 19:12
12	2	0923_10.d	1.	30PPM 8270		23 Sep 2013 19:43
13	3	0923_11.d	1.	BLK A SV 9/23		23 Sep 2013 20:12
14	4	0923_12.d	1.	42925 A SV 9/23		23 Sep 2013 20:41
15	5	0923_13.d	1.	43722 A SV 9/23		23 Sep 2013 21:11
16	6	0923_14.d	1.	43873 A SV 9/23		23 Sep 2013 21:40
17	7	0923_15.d	1.	43894 A SV 9/23		23 Sep 2013 22:10
18	8	0923_16.d	1.	43897 A SV 9/23		23 Sep 2013 22:39
19	9	0923_17.d	1.	44251 A SV 9/23		23 Sep 2013 23:08
20	10	0923_18.d	1.	44252 A SV 9/23		23 Sep 2013 23:37
21	11	0923_19.d	1.	43930 A SVPAH 9/23		24 Sep 2013 00:06
22	12	0923_20.d	1.	43931 A SVPAH 9/23		24 Sep 2013 00:36
23	13	0923_21.d	1.	43966 A SVPAH 9/23		24 Sep 2013 01:05
24	14	0923_22.d	1.	43967 A SVPAH 9/23		24 Sep 2013 01:34
25	15	0923_23.d	1.	43968 A SVPAH 9/23		24 Sep 2013 02:03
26	16	0923_24.d	1.	43969 A SVPAH 9/23		24 Sep 2013 02:32
27	17	0923_25.d	1.	44254 A SV 9/23		24 Sep 2013 03:01
28	18	0923_26.d	1.	MS 43930 A SVPAH 9/23		24 Sep 2013 03:31
29	19	0923_27.d	1.	MSD 43930 A SVPAH 9/23		24 Sep 2013 04:00
30	20	0923_28.d	1.	MS 43969 A SVPAH 9/23		24 Sep 2013 04:29
31	21	0923_29.d	1.	MSD 43969 A SVPAH 9/23		24 Sep 2013 04:58
32	22	0923_30.d	1.	43733 W SEPSVBH 9/23		24 Sep 2013 05:27
33	23	0923_31.d	1.	44302 A SV 9/23		24 Sep 2013 05:56
34	2	0923_32.d	1.	30PPM 8270		24 Sep 2013 06:25
35	2	Test_01.d	1.	30PPM 8270CC NEW COLUMN		23 Sep 2013 12:15
36	2	Test_02.d	1.	30PPM 8270CC NEW COLUMN		23 Sep 2013 13:07
37	2	Test_03.d	1.	30PPM 8270CC NEW COLUMN		23 Sep 2013 13:40
38	2	Test_04.d	1.	30PPM 8270CC NEW COLUMN		23 Sep 2013 14:11

Injection Log

Directory: H:\SV2013\CHEM09\09SEP\0926

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0926_01.d	1.	50PPM DFTPP	TUNE	26 Sep 2013 08:28
2	2	0926_02.d	1.	30PPM 8270	CCAL 30	26 Sep 2013 08:57
3	3	0926_03.d	1.	BF45197 BLANK	09-25-13 BLANK	26 Sep 2013 09:28
4	4	0926_04.d	1.	BF45197 LCS	09-25-13 LCS	26 Sep 2013 09:58
5	5	0926_05.d	1.	BF45197 LCSD	09-25-13 LCSD	26 Sep 2013 10:28
6	6	0926_06.d	1.	BF45197 MS	FM-1 MS	26 Sep 2013 10:57
7	7	0926_07.d	1.	BF45197 MSD	FM-1 MSD	26 Sep 2013 11:27
8	8	0926_08.d	1.	BF45197	FM-1	26 Sep 2013 11:57
9	9	0926_09.d	1.	BF45199	FM-2	26 Sep 2013 12:27
10	10	0926_10.d	1.	BF45201	FM-3	26 Sep 2013 12:56
11	11	0926_11.d	1.	BF45203	FM-4	26 Sep 2013 13:26
12	12	0926_12.d	1.	BF45205	FM-5	26 Sep 2013 13:56
13	13	0926_13.d	1.	BF45207	FM-6	26 Sep 2013 14:26
14	14	0926_14.d	1.	BF45209	FM-7	26 Sep 2013 14:56
15	15	0926_15.d	1.	BF45211	FM-8	26 Sep 2013 15:26
16	16	0926_16.d	1.	BF45213	FM-9	26 Sep 2013 15:56
17	17	0926_17.d	1.	BF45215	DUPLICATE	26 Sep 2013 16:26
18	18	0926_18.d	1.	BF43851 BLANK	09-24-13 BLANK	26 Sep 2013 16:56
19	19	0926_19.d	1.	BF43851 5X	MW 2	26 Sep 2013 17:26
20	20	0926_20.d	1.	BF43852	MW 5	26 Sep 2013 17:55
21	21	0926_21.d	1.	BF43853	MW 3R	26 Sep 2013 18:25
22	22	0926_22.d	1.	BF43854	MW 9	26 Sep 2013 18:55
23	23	0926_23.d	1.	BF43855	MW 12	26 Sep 2013 19:25
24	2	0926_24.d	1.	30PPM 8270	CCCAL 30	26 Sep 2013 19:54
25	1	0926_25.d	1.	50PPM DFTPP		26 Sep 2013 21:36
26	2	0926_26.d	1.	30PPM 8270		26 Sep 2013 22:05
27	3	0926_27.d	1.	BLK A SV 9/26		26 Sep 2013 22:35
28	4	0926_28.d	1.	MS 45589 A SV 9/26		26 Sep 2013 23:04
29	5	0926_29.d	1.	MSD 45589 A SV 9/26		26 Sep 2013 23:33
30	6	0926_30.d	1.	BLK 46109 A SVPAH 9/26		27 Sep 2013 00:05

Soil Ext. for Semi- Vol

ASESV-254698 **QAQC Code** #Q$8270S **QAQC Sample #** BF45197

Sample	Acode	Analysis	Sample Wgt (g)	Surrogate Vol (ml)	Final Vol (ml)	Cell #	Comments	Start Date	Finish Date	Initials
BF45197	BLK	ASE	15	0.5	1	P234	(1)	09/25	09/25	JJ/FV
BF45197	LCS	ASE	15	0.5	1	P257	1 ml + 1	09/25	09/25	JJ/FV
BF45197	LCSD	ASE	15	0.5	1	E5	1 ml + 1	09/25	09/25	JJ/FV
BF45197	MS	ASE	15.26	0.5	1	P20	1 ml + 1	09/25	09/25	JJ/FV
BF45197	MSD	ASE	15.18	0.5	1	P294	1 ml + 1	09/25	09/25	JJ/FV
BF45185	ASESV	ASE VOA	15.01	0.5	1	P272		09/25	09/25	JJ/FV
BF45186	ASESV	ASE VOA	15.09	0.5	1	P267		09/25	09/25	JJ/FV
BF45187	ASESV	ASE VOA	15.04	0.5	1	P261		09/25	09/25	JJ/FV
BF45188	ASESV	ASE VOA	15.41	0.5	1	P212		09/25	09/25	JJ/FV
BF45189	ASESV	ASE VOA	15.39	0.5	1	P274		09/25	09/25	JJ/FV
BF45190	ASESV	ASE VOA	15.10	0.5	1	P233		09/25	09/25	JJ/FV
BF45191	ASESV	ASE VOA	15.05	0.5	1	P262		09/25	09/25	JJ/FV
BF45192	ASESV	ASE VOA	15.14	0.5	1	P238		09/25	09/25	JJ/FV
BF45193	ASESV	ASE VOA	15.21	0.5	1	P259		09/25	09/25	JJ/FV
BF45194	ASESV	ASE VOA	15.35	0.5	1	P208		09/25	09/25	JJ/FV
BF45197	ASESV	ASE	15.10	0.5	1	P271		09/25	09/25	JJ/FV
BF45199	ASESV	ASE	15.36	0.5	1	P264		09/25	09/25	JJ/FV
BF45201	ASESV	ASE	15.23	0.5	1	P242		09/25	09/25	JJ/FV
BF45203	ASESV	ASE	15.30	0.5	1	P252		09/25	09/25	JJ/FV
BF45205	ASESV	ASE	15.28	0.5	1	P203		09/25	09/25	JJ/FV
BF45207	ASESV	ASE	15.10	0.5	1	P277		09/25	09/25	JJ/FV
BF45209	ASESV	ASE	15.08	0.5	1	P281		09/25	09/25	JJ/FV
BF45211	ASESV	ASE	15.18	0.5	1	P247		09/25	09/25	JJ/FV
BF45213	ASESV	ASE	15.00	0.5	1	P223		09/25	09/25	JJ/FV
BF45215	ASESV	ASE	15.21	0.5	1	P214		09/25	09/25	JJ/FV

QC Rpt Cmnt

Prep Comment

Post Comment

Surrogate Id # ultra (CUS-8804) **Tracking #** 07-10-13 **Time In**

Spike # ultra (CUS-8337)/ultra (CUS-13773) **Tracking #** 06-26-13/07-30-13 **Time Out**

LCSID # ultra (CUS-8337)/ultra (CUS-13773) **Tracking #** 06-26-13/07-30-13 **Temp**

!!! Same Day * Rush 24 ** Rush

10/4/2013 3:24:23 PM

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: GALLI ENGEERING
Project: 48 SEWELL ST
Laboratory Project: GBF45197

Volatiles Portion

Organic Data Flags

MDL: Method Detection Limit
The minimum reportable concentration that can be measured with 99% confidence, as defined in 40CFR part 136 (Appendix B).

PQL(RL): Practical Quantitation Level or Reporting Level
This value is at or above the MDL and is supported by the lowest calibration standard.

- Q Qualifiers:

U - The compound was analyzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.

J - The value is estimated. This flag is used
a) on form 1 when the compound is reported above the MDL, but below the PQL, and
b) on the Tentatively Identified Compound (TIC) form for all compounds identified

JL- The value is estimated. This flag is used on the form 1 when a compound is evaluated to the requested criteria. This value may be below the MDL.

N - The concentration is based on the response of the nearest internal. This flag is used on the TIC form for all compounds identified.

S - This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.

B - This compound was also present in the method blank

D - The reported concentration is the result of a diluted analysis.

E - The reported value is estimated because the concentration exceeded the calibration range.

A - Indicates that the tentatively identified compound is a suspected aldol condensation product.

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NY # 11301

NY ANALYTICAL SERVICES PROTOCOL

October 04, 2013 **SDG I.D.: GBF45197**

48 SEWELL ST Galli Engineering, P.C.

Conformance / Non-Conformance Summary

Volatile Organic Compounds:

Form 2: All sample and associated QC sample surrogate recoveries met method criteria.

Form 3: Laboratory Criteria for the Lab Control Sample/Lab Control Sample Duplicate (LCS/LCSD) and Matrix Spike (MS): 90% of compounds are within 70-130% for LCS/LCSD and RPDs less than 30% (these limits are reflected on the form IIIs).
All QC associated with this sample set met ASP criteria. When multiple MS compounds do not meet method criteria a matrix effect is suspected. No further action is required when the LCS/LCSD recoveries for those compounds are within criteria. Compounds with recoveries and/or RPDs outside laboratory control limits are flagged with an asterisk on form III.

Form 5: BFB Tunes met method criteria. The sample BF43374 MSD and the standard CCCAL 50 was analyzed after the allowed 12 hour clock for the passing tune file (0925L02.D).

Form 6: The initial calibration analyzed on CHEM03 on 09/24/2013 met ASP criteria for all target compounds.

Form 7: The continuing calibration standard 0925L02.D on CHEM03 met ASP criteria for all target compounds. The closing continuing calibration standard 0925L30.D on CHEM03 met ASP criteria for all target compounds.
The continuing calibration standard 0926L02a.D on CHEM03 met ASP criteria for all target compounds. The closing continuing calibration standard 0926L20.D on CHEM03 met ASP criteria for all target compounds.

Form 8: The internal standard recovery for 1,4-Dichlorobenzene-d4 was below criteria for the sample FM-2 LL (BF45200). The compounds for this internal standard were reported from the HL analysis.

Observations: For the sample FM-2 (BF45200), there was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.
The client requested the 8260 compound list for this sample set.
All compounds striked through on quantitation report are less than MDL for that compound.
No other observations are noted.

10/04/13
Jonathon Carlson Date
Project Manager

2D

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: _____ SDG: GBF45197

QC Batch Id: _____ QC Sample Id: 1 PPB 8

	CLIENT ID	SMC1 DBFM #	SMC2 TOL #	SMC3 BFB #	SMC4 DCB #	TOT OUT
01	BF45202 LCS	99	100	100	100	0
02	BF45202 LCSD	101	101	101	100	0
03	BF45202 BLANK	104	98	92	101	0
04	FM-1	100	100	93	101	0
05	FM-2 HL	100	101	92	104	0
06	FM-2 LL	119	99	89	104	0
07	FM-3	106	99	88	102	0
08	FM-4	108	99	93	104	0
09	BF45202 MS	103	100	101	99	0
10	BF45202 MSD	102	100	102	99	0
11						
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			QC LIMITS
SMC1	DBFM	Dibromofluoromethane	(70-130)
SMC2	TOL	Toluene-d8	(70-130)
SMC3	BFB	Bromofluorobenzene	(70-130)
SMC4	DCB	1,2-dichlorobenzene-d4	(70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

FORM II VOA

FORM II VOA

2D

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SDG: GBF45197

QC Batch Id: 254941 QC Sample Id: BF43374

	CLIENT ID	SMC1 DBFM #	SMC2 TOL #	SMC3 BFB #	SMC4 DCB #	TOT OUT
01	BF43374 LCS	102	100	100	101	0
02	BF43374 LCSD	102	100	99	100	0
03	BF43374 BLANK	106	99	95	100	0
04	TRIP BLANK HL	99	100	94	101	0
05	TRIP BLANK LL	104	100	93	100	0
06	BF43374 QC SAMPLE HL	97	99	95	100	0
07	FM-5	105	99	86	102	0
08	FM-6	109	100	91	104	0
09	FM-7	107	99	90	103	0
10	FM-8	111	98	89	104	0
11	FM-9	105	100	92	101	0
12	DUPLICATE	111	98	86	103	0
13	BF43374 MS 50X HL	99	101	99	99	0
14	BF43374 MSD 50X HL	100	100	99	100	0
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			QC LIMITS
SMC1	DBFM	Dibromofluoromethane	(70-130)
SMC2	TOL	Toluene-d8	(70-130)
SMC3	BFB	Bromofluorobenzene	(70-130)
SMC4	DCB	1,2-dichlorobenzene-d4	(70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

FORM II VOA

FORM II VOA

3D

SOIL VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GBF45197

LCS Spike - Client Id: NJ TCL- / BF43374 LCS Level:(low/med) Low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.	
Dichlorodifluoromethane	50	0.0	37.19	74	70	130
Chloromethane	50	0.0	48.47	97	70	130
Vinyl Chloride	50	0.0	49.62	99	70	130
Bromomethane	50	0.0	48.82	98	70	130
Chloroethane	50	0.0	53.32	107	70	130
Trichlorofluoromethane	50	0.0	55.80	112	70	130
1,1-Dichloroethene	50	0.0	44.26	89	70	130
Trichlorotrifluoroethane	50	0.0	52.21	104	70	130
Acetone	50	0.0	18.71	37 *	70	130
Carbon Disulfide	50	0.0	40.76	82	70	130
Methylene Chloride	50	0.0	52.45	105	70	130
METHYLACETATE	50	0.0	58.50	117	70	130
Trans-1,2-Dichloroethene	50	0.0	53.42	107	70	130
1,1-Dichloroethane	50	0.0	54.40	109	70	130
Cis-1,2-Dichloroethene	50	0.0	56.08	112	70	130
Methyl Ethyl Ketone	50	0.0	24.91	50 *	70	130
Bromochloromethane	50	0.0	56.75	114	70	130
CYCLOHEXANE	50	0.0	52.96	106	70	130
Chloroform	50	0.0	55.79	112	70	130

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
Dichlorodifluoromethane	50	30.95	62 *	17.6	30	70	130
Chloromethane	50	40.75	82	16.8	30	70	130
Vinyl Chloride	50	41.40	83	17.6	30	70	130
Bromomethane	50	41.55	83	16.6	30	70	130
Chloroethane	50	44.64	89	18.4	30	70	130
Trichlorofluoromethane	50	47.13	94	17.5	30	70	130
1,1-Dichloroethene	50	40.10	80	10.7	30	70	130
Trichlorotrifluoroethane	50	45.80	92	12.2	30	70	130
Acetone	50	18.17	36 *	2.7	30	70	130
Carbon Disulfide	50	37.71	75	8.9	30	70	130
Methylene Chloride	50	47.03	94	11.1	30	70	130
METHYLACETATE	50	55.32	111	5.3	30	70	130
Trans-1,2-Dichloroethene	50	44.88	90	17.3	30	70	130
1,1-Dichloroethane	50	45.86	92	16.9	30	70	130
Cis-1,2-Dichloroethene	50	47.93	96	15.4	30	70	130
Methyl Ethyl Ketone	50	23.46	47 *	6.2	30	70	130
Bromochloromethane	50	49.02	98	15.1	30	70	130
CYCLOHEXANE	50	44.07	88	18.6	30	70	130
Chloroform	50	47.37	95	16.4	30	70	130

FORM III VOA

3D

SOIL VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GBF45197

LCS Spike - Client Id: NJ TCL- / BF43374 LCS Level:(low/med) Low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.	
1,1,1-Trichloroethane	50	0.0	55.69	111	70	130
Methyl t-Butyl Ether (MTBE)	50	0.0	56.82	114	70	130
Carbon Tetrachloride	50	0.0	55.53	111	70	130
Benzene	50	0.0	53.28	107	70	130
1,2-Dichloroethane	50	0.0	54.76	110	70	130
METHYLCYCLOHEXANE	50	0.0	55.89	112	70	130
Trichloroethene	50	0.0	58.47	117	70	130
1,2-dichloropropane	50	0.0	57.31	115	70	130
Bromodichloromethane	50	0.0	56.74	113	70	130
cis-1,3-Dichloropropene	50	0.0	58.48	117	70	130
4-Methyl-2-Pentanone	50	0.0	38.02	76	70	130
Toluene	50	0.0	55.37	111	70	130
trans-1,3-Dichloropropene	50	0.0	57.25	115	70	130
1,1,2-Trichloroethane	50	0.0	58.48	117	70	130
1,2-Dibromoethane	50	0.0	58.59	117	70	130
Tetrachloroethene	50	0.0	62.42	125	70	130
2-Hexanone	50	0.0	27.49	55 *	70	130
Dibromochloromethane	50	0.0	59.62	119	70	130
Chlorobenzene	50	0.0	57.80	116	70	130

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
1,1,1-Trichloroethane	50	46.79	94	16.6	30	70	130
Methyl t-Butyl Ether (MTBE)	50	50.20	100	13.1	30	70	130
Carbon Tetrachloride	50	45.79	92	18.7	30	70	130
Benzene	50	44.65	89	18.4	30	70	130
1,2-Dichloroethane	50	47.21	94	15.7	30	70	130
METHYLCYCLOHEXANE	50	46.10	92	19.6	30	70	130
Trichloroethene	50	48.60	97	18.7	30	70	130
1,2-dichloropropane	50	48.18	96	18.0	30	70	130
Bromodichloromethane	50	48.47	97	15.2	30	70	130
cis-1,3-Dichloropropene	50	49.86	100	15.7	30	70	130
4-Methyl-2-Pentanone	50	35.44	71	6.8	30	70	130
Toluene	50	46.49	93	17.6	30	70	130
trans-1,3-Dichloropropene	50	49.59	99	14.1	30	70	130
1,1,2-Trichloroethane	50	50.72	101	14.7	30	70	130
1,2-Dibromoethane	50	50.86	102	13.7	30	70	130
Tetrachloroethene	50	50.54	101	21.2	30	70	130
2-Hexanone	50	25.07	50 *	9.5	30	70	130
Dibromochloromethane	50	50.60	101	16.4	30	70	130
Chlorobenzene	50	47.75	96	18.9	30	70	130

FORM III VOA

3D

SOIL VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GBF45197

LCS Spike - Client Id: NJ TCL- / BF43374 LCS Level:(low/med) Low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.	
Ethylbenzene	50	0.0	55.76	112	70	130
m&p-Xylene	100	0.0	114.0	114	70	130
o-Xylene	50	0.0	58.16	116	70	130
Styrene	50	0.0	59.53	119	70	130
Bromoform	50	0.0	60.06	120	70	130
Isopropylbenzene	50	0.0	58.90	118	70	130
1,1,2,2-Tetrachloroethane	50	0.0	55.85	112	70	130
1,3-Dichlorobenzene	50	0.0	58.95	118	70	130
1,4-Dichlorobenzene	50	0.0	57.24	114	70	130
1,2-Dichlorobenzene	50	0.0	56.88	114	70	130
1,2-Dibromo-3-Chloropropane	50	0.0	57.45	115	70	130
1,2,4-Trichlorobenzene	50	0.0	59.16	118	70	130
1,2,3-Trichlorobenzene	50	0.0	57.36	115	70	130
1,4-Dioxane	2000	0.0	2632	132 *	70	130

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
Ethylbenzene	50	46.01	92	19.6	30	70	130
m&p-Xylene	100	93.89	94	19.2	30	70	130
o-Xylene	50	48.40	97	17.8	30	70	130
Styrene	50	49.78	100	17.4	30	70	130
Bromoform	50	51.99	104	14.3	30	70	130
Isopropylbenzene	50	48.81	98	18.5	30	70	130
1,1,2,2-Tetrachloroethane	50	49.98	100	11.3	30	70	130
1,3-Dichlorobenzene	50	49.15	98	18.5	30	70	130
1,4-Dichlorobenzene	50	47.65	95	18.2	30	70	130
1,2-Dichlorobenzene	50	47.84	96	17.1	30	70	130
1,2-Dibromo-3-Chloropropane	50	51.45	103	11.0	30	70	130
1,2,4-Trichlorobenzene	50	50.39	101	15.5	30	70	130
1,2,3-Trichlorobenzene	50	49.93	100	14.0	30	70	130
1,4-Dioxane	2000	2196	110	18.2	30	70	130

FORM III VOA

3D

SOIL VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GBF45197

Matrix Spike - Client Id: BF43374 MS 50X HL Level:(low/med) Meth

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.	
Dichlorodifluoromethane	16665	0.0	17710	106	70	130
Chloromethane	16665	0.0	16030	96	70	130
Vinyl Chloride	16665	0.0	18110	109	70	130
Bromomethane	16665	0.0	16300	98	70	130
Chloroethane	16665	0.0	8100	49 *	70	130
Trichlorofluoromethane	16665	0.0	6680	40 *	70	130
1,1-Dichloroethene	16665	0.0	19170	115	70	130
Trichlorotrifluoroethane	16665	0.0	19640	118	70	130
Acetone	16665	0.0	7360	44 *	70	130
Carbon Disulfide	16665	0.0	18640	112	70	130
Methylene Chloride	16665	600	18220	106	70	130
METHYLACETATE	16665	43000	52900	59 *	70	130
Trans-1,2-Dichloroethene	16665	0.0	16020	96	70	130
1,1-Dichloroethane	16665	0.0	16790	101	70	130
Cis-1,2-Dichloroethene	16665	0.0	17070	102	70	130
Methyl Ethyl Ketone	16665	0.0	8880	53 *	70	130
Bromochloromethane	16665	0.0	16420	99	70	130
CYCLOHEXANE	16665	0.0	18760	113	70	130
Chloroform	16665	0.0	17130	103	70	130

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
Dichlorodifluoromethane	16665	16040	96	9.9	30	70	130
Chloromethane	16665	15620	94	2.1	30	70	130
Vinyl Chloride	16665	16770	101	7.6	30	70	130
Bromomethane	16665	15150	91	7.4	30	70	130
Chloroethane	16665	7223	43 *	13.0	30	70	130
Trichlorofluoromethane	16665	6097	37 *	7.8	30	70	130
1,1-Dichloroethene	16665	16430	99	15.0	30	70	130
Trichlorotrifluoroethane	16665	17180	103	13.6	30	70	130
Acetone	16665	5647	34 *	25.6	30	70	130
Carbon Disulfide	16665	15570	93	18.5	30	70	130
Methylene Chloride	16665	16000	92	14.1	30	70	130
METHYLACETATE	16665	58300	92	43.7 *	30	70	130
Trans-1,2-Dichloroethene	16665	16460	99	3.1	30	70	130
1,1-Dichloroethane	16665	16420	99	2.0	30	70	130
Cis-1,2-Dichloroethene	16665	16510	99	3.0	30	70	130
Methyl Ethyl Ketone	16665	8417	51 *	3.8	30	70	130
Bromochloromethane	16665	16070	96	3.1	30	70	130
CYCLOHEXANE	16665	17230	103	9.3	30	70	130
Chloroform	16665	16220	97	6.0	30	70	130

FORM III VOA

3D

SOIL VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GBF45197

Matrix Spike - Client Id: BF43374 MS 50X HL Level:(low/med) Meth

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.	
1,1,1-Trichloroethane	16665	0.0	17470	105	70	130
Methyl t-Butyl Ether (MTBE)	16665	0.0	14310	86	70	130
Carbon Tetrachloride	16665	0.0	17720	106	70	130
Benzene	16665	0.0	17080	102	70	130
1,2-Dichloroethane	16665	0.0	16550	99	70	130
METHYLCYCLOHEXANE	16665	0.0	18980	114	70	130
Trichloroethene	16665	0.0	17300	104	70	130
1,2-dichloropropane	16665	0.0	16910	101	70	130
Bromodichloromethane	16665	0.0	16430	99	70	130
cis-1,3-Dichloropropene	16665	0.0	16320	98	70	130
4-Methyl-2-Pentanone	16665	0.0	10340	62 *	70	130
Toluene	16665	0.0	17830	107	70	130
trans-1,3-Dichloropropene	16665	0.0	16030	96	70	130
1,1,2-Trichloroethane	16665	0.0	15800	95	70	130
1,2-Dibromoethane	16665	0.0	15820	95	70	130
Tetrachloroethene	16665	0.0	18120	109	70	130
2-Hexanone	16665	0.0	7797	47 *	70	130
Dibromochloromethane	16665	0.0	16060	96	70	130
Chlorobenzene	16665	0.0	16910	101	70	130

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
1,1,1-Trichloroethane	16665	16610	100	4.9	30	70	130
Methyl t-Butyl Ether (MTBE)	16665	15790	95	9.9	30	70	130
Carbon Tetrachloride	16665	16580	99	6.8	30	70	130
Benzene	16665	16420	99	3.0	30	70	130
1,2-Dichloroethane	16665	15910	95	4.1	30	70	130
METHYLCYCLOHEXANE	16665	17410	104	9.2	30	70	130
Trichloroethene	16665	16500	99	4.9	30	70	130
1,2-dichloropropane	16665	16130	97	4.0	30	70	130
Bromodichloromethane	16665	15730	94	5.2	30	70	130
cis-1,3-Dichloropropene	16665	15650	94	4.2	30	70	130
4-Methyl-2-Pentanone	16665	10530	63 *	1.6	30	70	130
Toluene	16665	16580	99	7.8	30	70	130
trans-1,3-Dichloropropene	16665	15320	92	4.3	30	70	130
1,1,2-Trichloroethane	16665	15640	94	1.1	30	70	130
1,2-Dibromoethane	16665	15870	95	0.0	30	70	130
Tetrachloroethene	16665	17220	103	5.7	30	70	130
2-Hexanone	16665	7410	44 *	6.6	30	70	130
Dibromochloromethane	16665	15530	93	3.2	30	70	130
Chlorobenzene	16665	16260	98	3.0	30	70	130

FORM III VOA

3D

SOIL VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GBF45197

Matrix Spike - Client Id: BF43374 MS 50X HL Level:(low/med) Meth

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.	
Ethylbenzene	16665	0.0	17480	105	70	130
m&p-Xylene	33333	0.0	34930	105	70	130
o-Xylene	16665	0.0	17520	105	70	130
Styrene	16665	0.0	16770	101	70	130
Bromoform	16665	0.0	15660	94	70	130
Isopropylbenzene	16665	0.0	18020	108	70	130
1,1,2,2-Tetrachloroethane	16665	0.0	16020	96	70	130
1,3-Dichlorobenzene	16665	0.0	17180	103	70	130
1,4-Dichlorobenzene	16665	0.0	16650	100	70	130
1,2-Dichlorobenzene	16665	0.0	16220	97	70	130
1,2-Dibromo-3-Chloropropane	16665	0.0	16460	99	70	130
1,2,4-Trichlorobenzene	16665	0.0	16470	99	70	130
1,2,3-Trichlorobenzene	16665	0.0	15600	94	70	130
1,4-Dioxane	666500	0.0	755800	113	70	130

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
Ethylbenzene	16665	16600	100	4.9	30	70	130
m&p-Xylene	33333	33400	100	4.9	30	70	130
o-Xylene	16665	16890	101	3.9	30	70	130
Styrene	16665	16230	97	4.0	30	70	130
Bromoform	16665	15240	91	3.2	30	70	130
Isopropylbenzene	16665	17380	104	3.8	30	70	130
1,1,2,2-Tetrachloroethane	16665	15870	95	1.0	30	70	130
1,3-Dichlorobenzene	16665	16670	100	3.0	30	70	130
1,4-Dichlorobenzene	16665	16330	98	2.0	30	70	130
1,2-Dichlorobenzene	16665	16160	97	0.0	30	70	130
1,2-Dibromo-3-Chloropropane	16665	16370	98	1.0	30	70	130
1,2,4-Trichlorobenzene	16665	15760	95	4.1	30	70	130
1,2,3-Trichlorobenzene	16665	14990	90	4.3	30	70	130
1,4-Dioxane	666500	75240	11 *	164.5 *	30	70	130

FORM III VOA

3D

SOIL VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GBF45197

LCS Spike - Client Id: NJ TCL- / BF45202 LCS Level:(low/med) Low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.	
Dichlorodifluoromethane	50	0.0	37.54	75	70	130
Chloromethane	50	0.0	49.86	100	70	130
Vinyl Chloride	50	0.0	47.16	94	70	130
Bromomethane	50	0.0	47.87	96	70	130
Chloroethane	50	0.0	50.88	102	70	130
Trichlorofluoromethane	50	0.0	53.78	108	70	130
1,1-Dichloroethene	50	0.0	44.71	89	70	130
Trichlorotrifluoroethane	50	0.0	52.72	105	70	130
Acetone	50	0.0	17.80	36 *	70	130
Carbon Disulfide	50	0.0	44.92	90	70	130
Methylene Chloride	50	0.0	49.24	98	70	130
METHYLACETATE	50	0.0	48.49	97	70	130
Trans-1,2-Dichloroethene	50	0.0	49.52	99	70	130
1,1-Dichloroethane	50	0.0	50.36	101	70	130
Cis-1,2-Dichloroethene	50	0.0	51.41	103	70	130
Methyl Ethyl Ketone	50	0.0	22.67	45 *	70	130
Bromochloromethane	50	0.0	51.38	103	70	130
CYCLOHEXANE	50	0.0	49.05	98	70	130
Chloroform	50	0.0	52.15	104	70	130

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
Dichlorodifluoromethane	50	28.76	58 *	25.6	30	70	130
Chloromethane	50	40.96	82	19.8	30	70	130
Vinyl Chloride	50	39.62	79	17.3	30	70	130
Bromomethane	50	41.45	83	14.5	30	70	130
Chloroethane	50	43.35	87	15.9	30	70	130
Trichlorofluoromethane	50	45.97	92	16.0	30	70	130
1,1-Dichloroethene	50	36.90	74	18.4	30	70	130
Trichlorotrifluoroethane	50	40.72	81	25.8	30	70	130
Acetone	50	15.96	32 *	11.8	30	70	130
Carbon Disulfide	50	33.04	66 *	30.8 *	30	70	130
Methylene Chloride	50	42.61	85	14.2	30	70	130
METHYLACETATE	50	49.83	100	3.0	30	70	130
Trans-1,2-Dichloroethene	50	42.66	85	15.2	30	70	130
1,1-Dichloroethane	50	45.02	90	11.5	30	70	130
Cis-1,2-Dichloroethene	50	46.20	92	11.3	30	70	130
Methyl Ethyl Ketone	50	21.08	42 *	6.9	30	70	130
Bromochloromethane	50	46.36	93	10.2	30	70	130
CYCLOHEXANE	50	42.02	84	15.4	30	70	130
Chloroform	50	46.67	93	11.2	30	70	130

FORM III VOA

3D

SOIL VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GBF45197

LCS Spike - Client Id: NJ TCL- / BF45202 LCS Level:(low/med) Low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.	
1,1,1-Trichloroethane	50	0.0	51.22	102	70	130
Methyl t-Butyl Ether (MTBE)	50	0.0	48.80	98	70	130
Carbon Tetrachloride	50	0.0	51.66	103	70	130
Benzene	50	0.0	48.69	97	70	130
1,2-Dichloroethane	50	0.0	50.88	102	70	130
METHYLCYCLOHEXANE	50	0.0	52.01	104	70	130
Trichloroethene	50	0.0	53.21	106	70	130
1,2-dichloropropane	50	0.0	53.19	106	70	130
Bromodichloromethane	50	0.0	52.55	105	70	130
cis-1,3-Dichloropropene	50	0.0	54.16	108	70	130
4-Methyl-2-Pentanone	50	0.0	33.29	67 *	70	130
Toluene	50	0.0	50.82	102	70	130
trans-1,3-Dichloropropene	50	0.0	53.05	106	70	130
1,1,2-Trichloroethane	50	0.0	52.12	104	70	130
1,2-Dibromoethane	50	0.0	51.67	103	70	130
Tetrachloroethene	50	0.0	52.47	105	70	130
2-Hexanone	50	0.0	24.06	48 *	70	130
Dibromochloromethane	50	0.0	52.73	105	70	130
Chlorobenzene	50	0.0	51.42	103	70	130

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
1,1,1-Trichloroethane	50	45.75	92	10.3	30	70	130
Methyl t-Butyl Ether (MTBE)	50	46.17	92	6.3	30	70	130
Carbon Tetrachloride	50	45.87	92	11.3	30	70	130
Benzene	50	43.32	87	10.9	30	70	130
1,2-Dichloroethane	50	46.78	94	8.2	30	70	130
METHYLCYCLOHEXANE	50	43.21	86	18.9	30	70	130
Trichloroethene	50	47.93	96	9.9	30	70	130
1,2-dichloropropane	50	47.76	96	9.9	30	70	130
Bromodichloromethane	50	48.13	96	9.0	30	70	130
cis-1,3-Dichloropropene	50	48.60	97	10.7	30	70	130
4-Methyl-2-Pentanone	50	32.28	65 *	3.0	30	70	130
Toluene	50	45.42	91	11.4	30	70	130
trans-1,3-Dichloropropene	50	48.68	97	8.9	30	70	130
1,1,2-Trichloroethane	50	48.16	96	8.0	30	70	130
1,2-Dibromoethane	50	48.43	97	6.0	30	70	130
Tetrachloroethene	50	46.92	94	11.1	30	70	130
2-Hexanone	50	22.50	45 *	6.5	30	70	130
Dibromochloromethane	50	49.90	100	4.9	30	70	130
Chlorobenzene	50	46.94	94	9.1	30	70	130

FORM III VOA

3D

SOIL VOLATILE LCS SPIKE / LCS SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GBF45197

LCS Spike - Client Id: NJ TCL- / BF45202 LCS Level:(low/med) Low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.	
Ethylbenzene	50	0.0	50.07	100	70	130
m&p-Xylene	100	0.0	101.1	101	70	130
o-Xylene	50	0.0	52.99	106	70	130
Styrene	50	0.0	53.65	107	70	130
Bromoform	50	0.0	53.97	108	70	130
Isopropylbenzene	50	0.0	52.83	106	70	130
1,1,2,2-Tetrachloroethane	50	0.0	48.00	96	70	130
1,3-Dichlorobenzene	50	0.0	53.09	106	70	130
1,4-Dichlorobenzene	50	0.0	51.77	104	70	130
1,2-Dichlorobenzene	50	0.0	50.36	101	70	130
1,2-Dibromo-3-Chloropropane	50	0.0	49.14	98	70	130
1,2,4-Trichlorobenzene	50	0.0	53.38	107	70	130
1,2,3-Trichlorobenzene	50	0.0	53.23	106	70	130
1,4-Dioxane	2000	0.0	3098	155 *	70	130

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
Ethylbenzene	50	44.87	90	10.5	30	70	130
m&p-Xylene	100	91.29	91	10.4	30	70	130
o-Xylene	50	46.66	93	13.1	30	70	130
Styrene	50	48.33	97	9.8	30	70	130
Bromoform	50	50.92	102	5.7	30	70	130
Isopropylbenzene	50	48.10	96	9.9	30	70	130
1,1,2,2-Tetrachloroethane	50	45.30	91	5.3	30	70	130
1,3-Dichlorobenzene	50	46.99	94	12.0	30	70	130
1,4-Dichlorobenzene	50	46.10	92	12.2	30	70	130
1,2-Dichlorobenzene	50	45.78	92	9.3	30	70	130
1,2-Dibromo-3-Chloropropane	50	48.52	97	1.0	30	70	130
1,2,4-Trichlorobenzene	50	45.62	91	16.2	30	70	130
1,2,3-Trichlorobenzene	50	47.38	95	10.9	30	70	130
1,4-Dioxane	2000	2495	125	21.4	30	70	130

FORM III VOA

3D

SOIL VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GBF45197

Matrix Spike - Client Id: NJ TCL / BF45202 MS Level:(low/med) Low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.	
Dichlorodifluoromethane	50.00	0.0	63.87	128	70	130
Chloromethane	50.00	0.0	60.45	121	70	130
Vinyl Chloride	50.00	0.0	61.86	124	70	130
Bromomethane	50.00	0.0	63.76	128	70	130
Chloroethane	50.00	0.0	65.32	131 *	70	130
Trichlorofluoromethane	50.00	0.0	65.63	131 *	70	130
1,1-Dichloroethene	50.00	0.0	59.12	118	70	130
Trichlorotrifluoroethane	50.00	0.0	62.13	124	70	130
Acetone	50.00	0.0	55.75	112	70	130
Carbon Disulfide	50.00	0.0	60.60	121	70	130
Methylene Chloride	50.00	0.0	58.64	117	70	130
METHYLACETATE	50.00	0.0	64.29	129	70	130
Trans-1,2-Dichloroethene	50.00	0.0	59.92	120	70	130
1,1-Dichloroethane	50.00	0.0	59.95	120	70	130
Cis-1,2-Dichloroethene	50.00	0.0	58.63	117	70	130
Methyl Ethyl Ketone	50.00	0.0	65.81	132 *	70	130
Bromochloromethane	50.00	0.0	60.55	121	70	130
CYCLOHEXANE	50.00	0.0	60.93	122	70	130
Chloroform	50.00	0.0	60.55	121	70	130

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
Dichlorodifluoromethane	50.00	54.97	110	15.1	30	70	130
Chloromethane	50.00	52.78	106	13.2	30	70	130
Vinyl Chloride	50.00	53.50	107	14.7	30	70	130
Bromomethane	50.00	55.45	111	14.2	30	70	130
Chloroethane	50.00	55.10	110	17.4	30	70	130
Trichlorofluoromethane	50.00	55.03	110	17.4	30	70	130
1,1-Dichloroethene	50.00	55.13	110	7.0	30	70	130
Trichlorotrifluoroethane	50.00	56.03	112	10.2	30	70	130
Acetone	50.00	45.37	91	20.7	30	70	130
Carbon Disulfide	50.00	57.35	115	5.1	30	70	130
Methylene Chloride	50.00	48.62	97	18.7	30	70	130
METHYLACETATE	50.00	51.35	103	22.4	30	70	130
Trans-1,2-Dichloroethene	50.00	49.20	98	20.2	30	70	130
1,1-Dichloroethane	50.00	51.59	103	15.2	30	70	130
Cis-1,2-Dichloroethene	50.00	51.09	102	13.7	30	70	130
Methyl Ethyl Ketone	50.00	56.14	112	16.4	30	70	130
Bromochloromethane	50.00	51.62	103	16.1	30	70	130
CYCLOHEXANE	50.00	51.58	103	16.9	30	70	130
Chloroform	50.00	51.97	104	15.1	30	70	130

FORM III VOA

3D

SOIL VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GBF45197

Matrix Spike - Client Id: NJ TCL / BF45202 MS Level:(low/med) Low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.	
1,1,1-Trichloroethane	50.00	0.0	59.58	119	70	130
Methyl t-Butyl Ether (MTBE)	50.00	0.0	57.41	115	70	130
Carbon Tetrachloride	50.00	0.0	61.19	122	70	130
Benzene	50.00	0.0	58.35	117	70	130
1,2-Dichloroethane	50.00	0.0	61.62	123	70	130
METHYLCYCLOHEXANE	50.00	0.0	61.12	122	70	130
Trichloroethene	50.00	0.0	60.80	122	70	130
1,2-dichloropropane	50.00	0.0	58.34	117	70	130
Bromodichloromethane	50.00	0.0	60.11	120	70	130
cis-1,3-Dichloropropene	50.00	0.0	58.93	118	70	130
4-Methyl-2-Pentanone	50.00	0.0	62.93	126	70	130
Toluene	50.00	0.0	58.05	116	70	130
trans-1,3-Dichloropropene	50.00	0.0	60.73	121	70	130
1,1,2-Trichloroethane	50.00	0.0	58.45	117	70	130
1,2-Dibromoethane	50.00	0.0	58.69	117	70	130
Tetrachloroethene	50.00	0.0	56.88	114	70	130
2-Hexanone	50.00	0.0	60.25	121	70	130
Dibromochloromethane	50.00	0.0	58.57	117	70	130
Chlorobenzene	50.00	0.0	56.37	113	70	130

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
1,1,1-Trichloroethane	50.00	51.80	104	13.5	30	70	130
Methyl t-Butyl Ether (MTBE)	50.00	50.55	101	13.0	30	70	130
Carbon Tetrachloride	50.00	52.94	106	14.0	30	70	130
Benzene	50.00	51.34	103	12.7	30	70	130
1,2-Dichloroethane	50.00	53.72	107	13.9	30	70	130
METHYLCYCLOHEXANE	50.00	51.79	104	15.9	30	70	130
Trichloroethene	50.00	53.61	107	13.1	30	70	130
1,2-dichloropropane	50.00	51.62	103	12.7	30	70	130
Bromodichloromethane	50.00	53.45	107	11.5	30	70	130
cis-1,3-Dichloropropene	50.00	52.16	104	12.6	30	70	130
4-Methyl-2-Pentanone	50.00	51.95	104	19.1	30	70	130
Toluene	50.00	51.00	102	12.8	30	70	130
trans-1,3-Dichloropropene	50.00	53.43	107	12.3	30	70	130
1,1,2-Trichloroethane	50.00	52.41	105	10.8	30	70	130
1,2-Dibromoethane	50.00	52.10	104	11.8	30	70	130
Tetrachloroethene	50.00	49.84	100	13.1	30	70	130
2-Hexanone	50.00	51.46	103	15.2	30	70	130
Dibromochloromethane	50.00	51.68	103	12.7	30	70	130
Chlorobenzene	50.00	49.74	99	13.2	30	70	130

FORM III VOA

3D

SOIL VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No: SAS No: SDG No GBF45197

Matrix Spike - Client Id: NJ TCL / BF45202 MS Level:(low/med) Low

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.	
Ethylbenzene	50.00	0.0	57.18	114	70	130
m&p-Xylene	100.0	0.0	113.8	114	70	130
o-Xylene	50.00	0.0	58.52	117	70	130
Styrene	50.00	0.0	56.75	114	70	130
Bromoform	50.00	0.0	60.28	121	70	130
Isopropylbenzene	50.00	0.0	57.14	114	70	130
1,1,2,2-Tetrachloroethane	50.00	0.0	54.53	109	70	130
1,3-Dichlorobenzene	50.00	0.0	54.28	109	70	130
1,4-Dichlorobenzene	50.00	0.0	52.82	106	70	130
1,2-Dichlorobenzene	50.00	0.0	54.05	108	70	130
1,2-Dibromo-3-Chloropropane	50.00	0.0	56.91	114	70	130
1,2,4-Trichlorobenzene	50.00	0.0	50.16	100	70	130
1,2,3-Trichlorobenzene	50.00	0.0	52.42	105	70	130
1,4-Dioxane	2000	0.0	2597	130	70	130

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	
Ethylbenzene	50.00	50.54	101	12.1	30	70	130
m&p-Xylene	100.0	99.04	99	14.1	30	70	130
o-Xylene	50.00	51.57	103	12.7	30	70	130
Styrene	50.00	51.21	102	11.1	30	70	130
Bromoform	50.00	53.34	107	12.3	30	70	130
Isopropylbenzene	50.00	49.33	99	14.1	30	70	130
1,1,2,2-Tetrachloroethane	50.00	47.54	95	13.7	30	70	130
1,3-Dichlorobenzene	50.00	48.29	97	11.7	30	70	130
1,4-Dichlorobenzene	50.00	47.28	95	10.9	30	70	130
1,2-Dichlorobenzene	50.00	48.74	97	10.7	30	70	130
1,2-Dibromo-3-Chloropropane	50.00	52.45	105	8.2	30	70	130
1,2,4-Trichlorobenzene	50.00	47.25	95	6.2	30	70	130
1,2,3-Trichlorobenzene	50.00	49.53	99	5.9	30	70	130
1,4-Dioxane	2000	2287	114	13.1	30	70	130

FORM III VOA

4A

VOLATILE METHOD BLANK SUMMARY

Client ID: BF43374 BLANK

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab File ID: 0925L08.D Lab Sample ID: 5G SAND BLANK

Date Analyzed: 09/25/2013 Time Analyzed: 22:06

GC Column: rtx-vms Lab Batch ID: 254941

Instrument ID: CHEM03 Heated Purge:(Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BF43374 LCS	LCS NJ TCL-50 PPB STD.	0925L03.D	20:15
02	BF43374 LCSD	LCSD NJ TCL-50 PPB STD	0925L04.D	20:37
03	TRIP BLANK HL	BF45217 50X	0925L09.D	22:28
04	TRIP BLANK LL	BF45218	0925L10.D	22:50
05	BF43374 QC SAMPLE HL	BF43374 50X	0925L11.D	23:12
06	FM-5	BF45206	0925L19.D	02:09
07	FM-6	BF45208	0925L20.D	02:31
08	FM-7	BF45210	0925L21.D	02:53
09	FM-8	BF45212	0925L22.D	03:15
10	FM-9	BF45214	0925L23.D	03:37
11	DUPLICATE	BF45216	0925L24.D	03:59
12	BF43374 MS 50X HL	MS BF43374 NJ TCL-50/20	0925L26.D	06:45
13	BF43374 MSD 50X HL	MSD BF43374 NJ TCL-50/2	0925L27.D	07:07
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COMMENTS:

FORM IV VOA

4A

VOLATILE METHOD BLANK SUMMARY

Client ID: BF45202 BLANK

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab File ID: 0926L09A.D Lab Sample ID: sand 5g BLANK

Date Analyzed: 09/26/2013 Time Analyzed: 15:59

GC Column: rtx-vms Lab Batch ID: 255173

Instrument ID: CHEM03 Heated Purge:(Y/N) Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	BF45202 LCS	LCS NJ TCL-50 PPB STD.	0926L03A.D	14:08
02	BF45202 LCSD	LCSD NJ TCL-50 PPB STD	0926L04A.D	14:30
03	FM-1	BF45198 50X	0926L11.D	16:21
04	FM-2 HL	BF45200 50X	0926L12.D	16:44
05	FM-2 LL	BF45200	0926L13.D	17:06
06	FM-3	BF45202	0926L15.D	17:50
07	FM-4	BF45204	0926L17.D	18:34
08	BF45202 MS	SPIKE NJ TCL-50/200/500/	0926L18.D	18:58
09	BF45202 MSD	SPIKED NJ TCL-50/200/50	0926L19.D	19:20
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COMMENTS:

FORM IV VOA

5B
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab File ID: 0924L08.D BFB Injection Date: 09/24/13

Instrument ID: CHEM03 BFB Injection Time: 12:46

GC Column: rtx-vms Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE			
50	15.0 - 40.0% if mass 95	25.2			
75	30.0 - 60.0% of mass 95	51.2			
95	Base Peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.3			
173	Less than 2.0% of mass 174	0.6	(	0.8	)1
174	Greater than 50.0% of mass 95	72.0			
175	5.0 - 9.0% of mass 174	5.3	(	7.4	)1
176	95.0 - 101.0% of mass 174	68.9	(	95.7	)2
177	5.0 - 9.0% of mass 176	4.5	(	6.5	)3

1-Value is % mass 95 2-Value is % mass 174 3-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ICAL 5.0	TCL 5-PPB	0924L10.D	09/24/13	13:30
02	ICAL 10	TCL 10-PPB	0924L11.D	09/24/13	13:52
03	ICAL 20	TCL 20-PPB	0924L12.D	09/24/13	14:14
04	ICAL 50	TCL 50-PPB	0924L13.D	09/24/13	14:37
05	ICAL 100	TCL 100-PPB	0924L14.D	09/24/13	14:59
06	ICAL 150	TCL 150-PPB	0924L15.D	09/24/13	15:21
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FORM V DIOX

5B
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab File ID: 0925L02.D BFB Injection Date: 09/25/13

Instrument ID: CHEM03 BFB Injection Time: 19:51

GC Column: rtx-vms Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE			
50	15.0 - 40.0% if mass 95	26.5			
75	30.0 - 60.0% of mass 95	51.2			
95	Base Peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.7			
173	Less than 2.0% of mass 174	0.4	(	0.7	)1
174	Greater than 50.0% of mass 95	63.1			
175	5.0 - 9.0% of mass 174	4.8	(	7.7	)1
176	95.0 - 101.0% of mass 174	60.7	(	96.1	)2
177	5.0 - 9.0% of mass 176	4.5	(	7.5	)3

1-Value is % mass 95 2-Value is % mass 174 3-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	TUNE / CCAL 50	NJ TCL-50 PPB STD.	0925L02.D	09/25/13	19:51
02	BF43374 LCS	LCS NJ TCL-50 PPB STD.	0925L03.D	09/25/13	20:15
03	BF43374 LCSD	LCSD NJ TCL-50 PPB STD.	0925L04.D	09/25/13	20:37
04	BF43374 BLANK	BLANK 5G SAND	0925L08.D	09/25/13	22:06
05	TRIP BLANK HL	BF45217 50X	0925L09.D	09/25/13	22:28
06	TRIP BLANK LL	BF45218	0925L10.D	09/25/13	22:50
07	BF43374 QC SAMPLE HL	BF43374 50X	0925L11.D	09/25/13	23:12
08	FM-5	BF45206	0925L19.D	09/26/13	02:09
09	FM-6	BF45208	0925L20.D	09/26/13	02:31
10	FM-7	BF45210	0925L21.D	09/26/13	02:53
11	FM-8	BF45212	0925L22.D	09/26/13	03:15
12	FM-9	BF45214	0925L23.D	09/26/13	03:37
13	DUPLICATE	BF45216	0925L24.D	09/26/13	03:59
14	BF43374 MS 50X HL	MS BF43374 NJ TCL-50/200/5	0925L26.D	09/26/13	06:45
15	BF43374 MSD 50X HL	MSD BF43374 NJ TCL-50/200	0925L27.D	09/26/13	07:07
16	CCCAL 50	NJ TCL-50/200/500/2000PPB	0925L30.D	09/26/13	08:14
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FORM V DIOX

5B
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab File ID: 0926L01.D BFB Injection Date: 09/26/13

Instrument ID: CHEM03 BFB Injection Time: 09:12

GC Column: rtx-vms Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE			
50	15.0 - 40.0% if mass 95	23.8			
75	30.0 - 60.0% of mass 95	50.6			
95	Base Peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	6.6			
173	Less than 2.0% of mass 174	0.3	(	0.5	)1
174	Greater than 50.0% of mass 95	73.6			
175	5.0 - 9.0% of mass 174	5.0	(	6.8	)1
176	95.0 - 101.0% of mass 174	71.0	(	96.5	)2
177	5.0 - 9.0% of mass 176	4.8	(	6.8	)3

1-Value is % mass 95 2-Value is % mass 174 3-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCAL 50	NJ TCL-50 PPB STD.	0926L02A.D	09/26/13	13:41
02	BF45202 LCS	LCS NJ TCL-50 PPB STD.	0926L03A.D	09/26/13	14:08
03	BF45202 LCSD	LCSD NJ TCL-50 PPB STD.	0926L04A.D	09/26/13	14:30
04	BF45202 BLANK	BLANK sand 5g	0926L09A.D	09/26/13	15:59
05	FM-1	BF45198 50X	0926L11.D	09/26/13	16:21
06	FM-2 HL	BF45200 50X	0926L12.D	09/26/13	16:44
07	FM-2 LL	BF45200	0926L13.D	09/26/13	17:06
08	FM-3	BF45202	0926L15.D	09/26/13	17:50
09	FM-4	BF45204	0926L17.D	09/26/13	18:34
10	BF45202 MS	SPIKE NJ TCL-50/200/500/20	0926L18.D	09/26/13	18:58
11	BF45202 MSD	SPIKED NJ TCL-50/200/500/2	0926L19.D	09/26/13	19:20
12	CCCAL 50	NJ TCL-50/200/500/2000PPB	0926L20.D	09/26/13	19:42
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FORM V DIOX

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GBF45197

Lab File Id: 0924L13.D Date Analyzed: 09/24/13

Instrument ID: CHEM03 Time Analyzed: 14:37

GC Column: rtx-vms ID: 0.18 (mm) Heated Purge:(Y/N) Y

		IS1 (PFB) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#	IS 4 (DCB) AREA	#	RT	#
	12 HOUR STD	156683		3.07		287623		3.35		260271		5.02		136841		6.60	
	UPPER LIMIT	313366		3.57		575246		3.85		520542		5.52		273682		7.10	
	LOWER LIMIT	78342		2.57		143812		2.85		130136		4.52		68421		6.10	
	CLIENT ID																
01	ICAL 5.0	182099		3.07		341205		3.35		309949		5.02		157346		6.60	
02	ICAL 10	182977		3.07		341685		3.35		306671		5.02		156364		6.61	
03	ICAL 20	187368		3.07		345740		3.35		309735		5.03		160622		6.61	
04	ICAL 100	190934		3.07		345304		3.35		312025		5.02		166526		6.61	
05	ICAL 150	188002		3.07		334365		3.35		305308		5.02		164822		6.61	
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IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5
IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GBF45197

Lab File Id: 0925L02.D Date Analyzed: 09/25/13

Instrument ID: CHEM03 Time Analyzed: 19:51

GC Column: rtx-vms ID: 0.18 (mm) Heated Purge:(Y/N) Y

		IS1 (PFB) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#	IS 4 (DCB) AREA	#	RT	#
	12 HOUR STD	210356		3.07		389319		3.35		354525		5.02		184602		6.61	
	UPPER LIMIT	420712		3.57		778638		3.85		709050		5.52		369204		7.11	
	LOWER LIMIT	105178		2.57		194660		2.85		177263		4.52		92301		6.11	
	CLIENT ID																
01	BF43374 LCS	170101		3.07		311676		3.35		281379		5.02		149025		6.61	
02	BF43374 LCSD	206452		3.07		380838		3.35		348569		5.02		185300		6.61	
03	BF43374 BLANK	188812		3.07		349497		3.35		332118		5.02		165761		6.61	
04	TRIP BLANK HL	179502		3.07		330502		3.35		315599		5.02		157042		6.60	
05	TRIP BLANK LL	200003		3.07		372597		3.35		356061		5.02		173592		6.61	
06	BF43374 QC SAMPLE HL	173350		3.07		317924		3.35		300558		5.02		147907		6.60	
07	FM-5	159515		3.07		301950		3.35		271849		5.02		111717		6.61	
08	FM-6	153900		3.07		295816		3.35		275168		5.02		126504		6.61	
09	FM-7	154444		3.07		294822		3.35		266967		5.02		116145		6.61	
10	FM-8	155064		3.07		301283		3.35		281191		5.02		131386		6.61	
11	FM-9	154529		3.07		291945		3.35		276710		5.02		136557		6.60	
12	DUPLICATE	131732		3.07		254313		3.35		230382		5.02		96985		6.61	
13	BF43374 MS 50X HL	156964		3.07		289263		3.35		261597		5.02		137422		6.60	
14	BF43374 MSD 50X HL	168976		3.07		311051		3.35		283608		5.02		145676		6.60	
15	CCCAL 50	190055		3.07		348983		3.35		318388		5.02		167009		6.60	
16																	
17																	
18																	
19																	
20																	
21																	
22																	

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5
IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab File Id: 0926L02A.D Date Analyzed: 09/26/13

Instrument ID: CHEM03 Time Analyzed: 13:41

GC Column: rtx-vms ID: 0.18 (mm) Heated Purge:(Y/N) Y

		IS1 (PFB) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#	IS 4 (DCB) AREA	#	RT	#
	12 HOUR STD	190374		3.07		348813		3.35		320946		5.02		172010		6.60	
	UPPER LIMIT	380748		3.57		697626		3.85		641892		5.52		344020		7.10	
	LOWER LIMIT	95187		2.57		174407		2.85		160473		4.52		86005		6.10	
	CLIENT ID																
01	BF45202 LCS	179690		3.07		329313		3.35		300603		5.02		160685		6.60	
02	BF45202 LCSD	192028		3.07		350210		3.35		318877		5.02		168289		6.60	
03	BF45202 BLANK	138186		3.07		258717		3.35		248016		5.02		120944		6.60	
04	FM-1	180522		3.07		335318		3.35		320800		5.02		156110		6.60	
05	FM-2 HL	156384		3.07		286340		3.35		280214		5.02		137748		6.61	
06	FM-2 LL	105436		3.07		201935		3.35		191546		5.02		84027	*	6.61	
07	FM-3	145703		3.07		273832		3.35		255443		5.02		111586		6.61	
08	FM-4	152833		3.07		291722		3.35		275540		5.02		132084		6.61	
09	BF45202 MS	132577		3.07		245659		3.35		229027		5.02		122802		6.60	
10	BF45202 MSD	156397		3.07		286852		3.35		266474		5.02		145399		6.60	
11	CCCAL 50	160695		3.07		298065		3.35		281701		5.02		150881		6.60	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5
IS4 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

FM-1

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45198 50X

Sample wt/vol: 14.7 (g/mL) g Lab File ID: 0926L11.D

Level: (low/med/meth): Meth Date Received: 09/25/13

% Moisture: 5 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 71

Soil Extract Volume 10000 (uL) pH: < 2 Soil Aliquot Vol: 70 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	250	U	68	250
74-87-3	Chloromethane	250	U	130	250
75-01-4	Vinyl Chloride	250	U	82	250
74-83-9	Bromomethane	250	U	200	250
75-00-3	Chloroethane	250	U	59	250
75-69-4	Trichlorofluoromethane	250	U	56	250
75-35-4	1,1-Dichloroethene	250	U	55	250
76-13-1	Trichlorotrifluoroethane	250	U	40	250
67-64-1	Acetone	2500	U	250	2500
75-15-0	Carbon Disulfide	250	U	41	250
75-09-2	Methylene Chloride	61	JBS	42	250
79-20-9	METHYLACETATE	250	U	250	250
156-60-5	Trans-1,2-Dichloroethene	250	U	51	250
75-34-3	1,1-Dichloroethane	250	U	50	250
156-59-2	Cis-1,2-Dichloroethene	250	U	55	250
78-93-3	Methyl Ethyl Ketone	1500	U	220	1500
74-97-5	Bromochloromethane	250	U	37	250
110-82-7	CYCLOHEXANE	250	U	250	250
67-66-3	Chloroform	250	U	46	250
71-55-6	1,1,1-Trichloroethane	250	U	51	250
1634-04-4	Methyl t-Butyl Ether (MTBE)	510	U	70	510
56-23-5	Carbon Tetrachloride	250	U	29	250
71-43-2	Benzene	250	U	50	250
107-06-2	1,2-Dichloroethane	250	U	22	250
108-87-2	METHYLCYCLOHEXANE	250	U	250	250
79-01-6	Trichloroethene	250	U	54	250
78-87-5	1,2-dichloropropane	250	U	36	250
75-27-4	Bromodichloromethane	250	U	32	250
10061-01-5	cis-1,3-Dichloropropene	250	U	27	250
108-10-1	4-Methyl-2-Pentanone	1300	U	61	1300
108-88-3	Toluene	250	U	40	250
10061-02-6	trans-1,3-Dichloropropene	250	U	52	250
79-00-5	1,1,2-Trichloroethane	250	U	25	250
106-93-4	1,2-Dibromoethane	250	U	68	250
127-18-4	Tetrachloroethene	250	U	53	250
591-78-6	2-Hexanone	1300	U	110	1300

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

FM-1

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45198 50X

Sample wt/vol: 14.7 (g/mL) g Lab File ID: 0926L11.D

Level: (low/med/meth): Meth Date Received: 09/25/13

% Moisture: 5 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 71

Soil Extract Volume 10000 (uL) pH: < 2 Soil Aliquot Vol: 70 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	250	U	28	250
108-90-7	Chlorobenzene	250	U	38	250
100-41-4	Ethylbenzene	250	U	46	250
179601-23-1	m&p-Xylene	250	U	100	250
95-47-6	o-Xylene	250	U	97	250
100-42-5	Styrene	250	U	73	250
75-25-2	Bromoform	250	U	36	250
98-82-8	Isopropylbenzene	250	U	49	250
79-34-5	1,1,2,2-Tetrachloroethane	250	U	36	250
541-73-1	1,3-Dichlorobenzene	250	U	38	250
106-46-7	1,4-Dichlorobenzene	250	U	40	250
95-50-1	1,2-Dichlorobenzene	250	U	28	250
96-12-8	1,2-Dibromo-3-Chloropropane	250	U	68	250
120-82-1	1,2,4-Trichlorobenzene	250	U	30	250
87-61-6	1,2,3-Trichlorobenzene	250	U	34	250
123-91-1	1,4-Dioxane	5100	U	5100	5100

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-1

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water): SOIL Lab Sample ID: BF45198

Sample wt/vol: 14.7 (g/mL) g Lab File ID: 0926L11.D

Level: (low/med): Meth Date Received: 09/25/13

% Moisture: not dec. 5 Date Analyzed: 09/26/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 50

Soil Extract Volume: 10000 (uL) Soil Aliquot Vol (uL): 70.4

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L11.D Vial: 11
Acq On : 26 Sep 2013 4:21 pm Operator:
Sample : BF45198 50X Inst : Instrumen
Misc : FM-1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 05:55:23 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

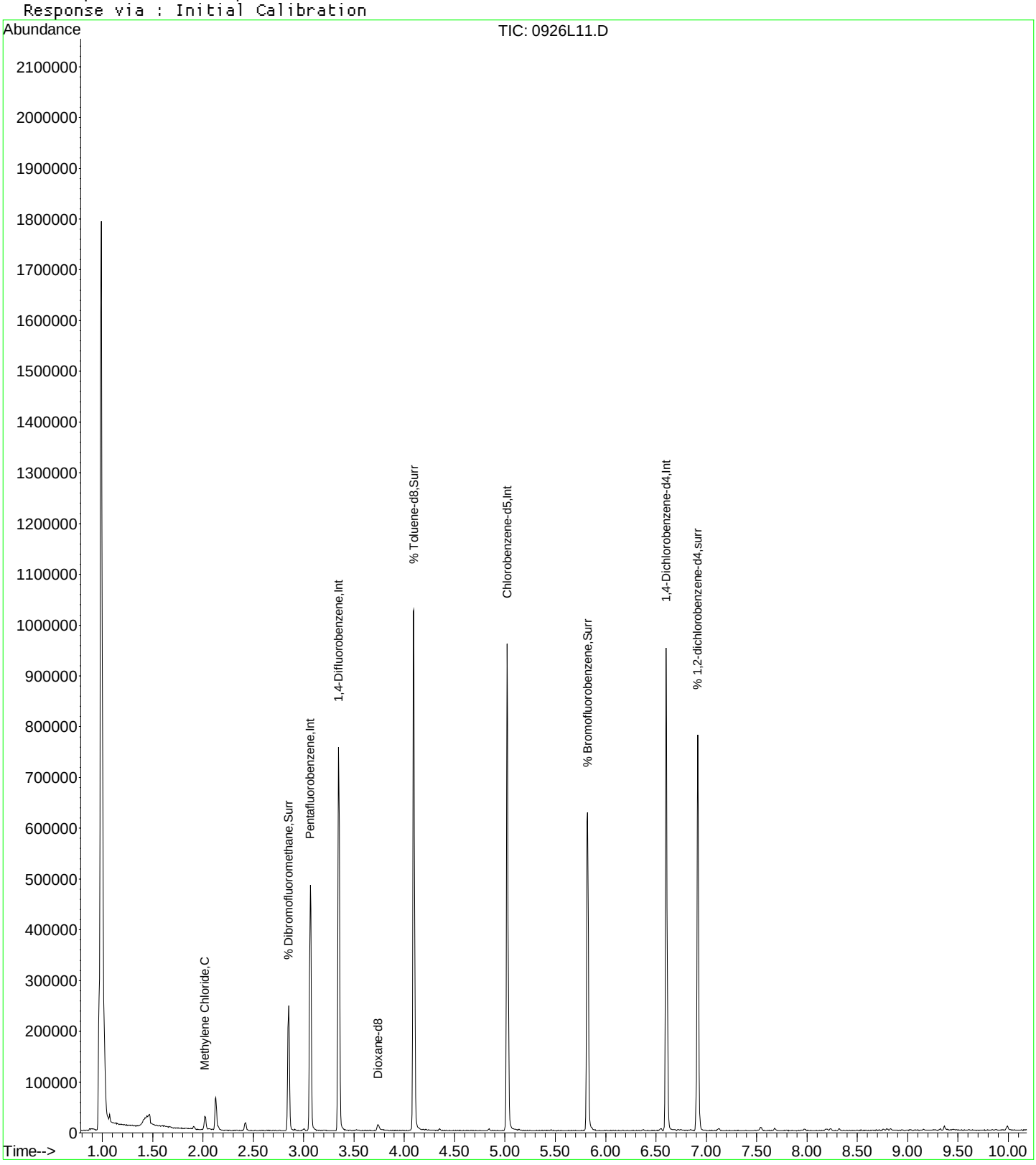
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	180522	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	335318	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	320800	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.60	152	156110	50.00	ug/l	0.00
64) Dioxane-d8	3.74	96	6855	500.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.85	192	14655	50.17	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.34%			
37) % Toluene-d8	4.10	98	428905	49.87	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.74%			
53) % Bromofluorobenzene	5.82	95	158000	46.26	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 92.52%			
55) % 1,2-dichlorobenzene-d4	6.91	152	137421	50.36	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.72%			
Target Compounds						Qvalue
13) Methylene Chloride	2.02	84	3787	1.19	ug/l #	85

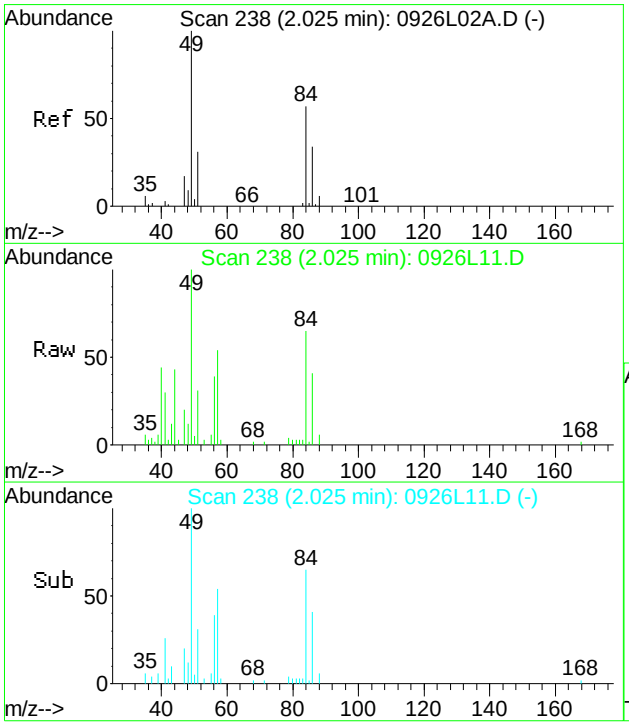
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L11.D Vial: 11
Acq On : 26 Sep 2013 4:21 pm Operator:
Sample : BF45198 50X Inst : Instrumen
Misc : FM-1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 5:58 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration

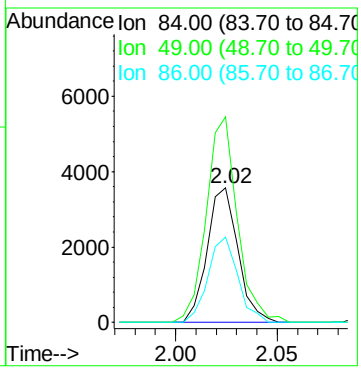




#13
Methylene Chloride
Concen: 1.19 ug/l
RT: 2.02 min Scan# 238
Delta R.T. -0.00 min
Lab File: 0926L11.D
Acq: 26 Sep 2013 4:21 pm

Tgt Ion: 84 Resp: 3787

Ion	Ratio	Lower	Upper
84	100		
49	153.2	161.1	201.1#
86	63.3	41.4	81.4



CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

FM-2 LL

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45200

Sample wt/vol: 5.51 (g/mL) g Lab File ID: 0926L13.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: 6 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	4.8	U	1.3	4.8
74-87-3	Chloromethane	4.8	U	2.5	4.8
75-01-4	Vinyl Chloride	4.8	U	1.6	4.8
74-83-9	Bromomethane	4.8	U	3.7	4.8
75-00-3	Chloroethane	4.8	U	1.1	4.8
75-69-4	Trichlorofluoromethane	4.8	U	1.1	4.8
75-35-4	1,1-Dichloroethene	4.8	U	1.1	4.8
76-13-1	Trichlorotrifluoroethane	4.8	U	0.76	4.8
67-64-1	Acetone	6.3	JS	4.8	48
75-15-0	Carbon Disulfide	4.8	U	0.78	4.8
75-09-2	Methylene Chloride	4.8	U	0.79	4.8
79-20-9	METHYLACETATE	4.8	U	4.8	4.8
156-60-5	Trans-1,2-Dichloroethene	4.8	U	0.97	4.8
75-34-3	1,1-Dichloroethane	4.8	U	0.96	4.8
156-59-2	Cis-1,2-Dichloroethene	4.8	U	1.1	4.8
78-93-3	Methyl Ethyl Ketone	29	U	4.2	29
74-97-5	Bromochloromethane	4.8	U	0.71	4.8
110-82-7	CYCLOHEXANE	4.8	U	4.8	4.8
67-66-3	Chloroform	4.8	U	0.88	4.8
71-55-6	1,1,1-Trichloroethane	4.8	U	0.97	4.8
1634-04-4	Methyl t-Butyl Ether (MTBE)	9.7	U	1.3	9.7
56-23-5	Carbon Tetrachloride	4.8	U	0.56	4.8
71-43-2	Benzene	4.8	U	0.96	4.8
107-06-2	1,2-Dichloroethane	4.8	U	0.43	4.8
108-87-2	METHYLCYCLOHEXANE	4.8	U	4.8	4.8
79-01-6	Trichloroethene	4.8	U	1.0	4.8
78-87-5	1,2-dichloropropane	4.8	U	0.69	4.8
75-27-4	Bromodichloromethane	4.8	U	0.60	4.8
10061-01-5	cis-1,3-Dichloropropene	4.8	U	0.52	4.8
108-10-1	4-Methyl-2-Pentanone	24	U	1.2	24
108-88-3	Toluene	4.8	U	0.76	4.8
10061-02-6	trans-1,3-Dichloropropene	4.8	U	0.99	4.8
79-00-5	1,1,2-Trichloroethane	4.8	U	0.47	4.8
106-93-4	1,2-Dibromoethane	4.8	U	1.3	4.8
127-18-4	Tetrachloroethene	4.8	U	1.0	4.8
591-78-6	2-Hexanone	24	U	2.2	24

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

FM-2 LL

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45200

Sample wt/vol: 5.51 (g/mL) g Lab File ID: 0926L13.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: 6 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	4.8	U	0.54	4.8
108-90-7	Chlorobenzene	4.8	U	0.72	4.8
100-41-4	Ethylbenzene	4.8	U	0.88	4.8
179601-23-1	m&p-Xylene	4.8	U	1.9	4.8
95-47-6	o-Xylene	4.8	U	1.8	4.8
100-42-5	Styrene	4.8	U	1.4	4.8
75-25-2	Bromoform	4.8	U	0.68	4.8
98-82-8	Isopropylbenzene	4.8	U	0.93	4.8
79-34-5	1,1,2,2-Tetrachloroethane	4.8	U	0.69	4.8
541-73-1	1,3-Dichlorobenzene	4.8	U	0.71	4.8
106-46-7	1,4-Dichlorobenzene	4.8	U	0.76	4.8
95-50-1	1,2-Dichlorobenzene	4.8	U	0.53	4.8
96-12-8	1,2-Dibromo-3-Chloropropane	4.8	U	1.3	4.8
120-82-1	1,2,4-Trichlorobenzene	4.8	U	0.57	4.8
87-61-6	1,2,3-Trichlorobenzene	4.8	U	0.65	4.8
123-91-1	1,4-Dioxane	97	U	97	97

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-2

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water): SOIL Lab Sample ID: BF45200

Sample wt/vol: 5.51 (g/mL) g Lab File ID: 0926L13.D

Level: (low/med): Low Date Received: 09/25/13

% Moisture: not dec. 6 Date Analyzed: 09/26/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L13.D Vial: 13
Acq On : 26 Sep 2013 5:06 pm Operator:
Sample : BF45200 Inst : Instrumen
Misc : FM-2 LL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 05:55:25 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

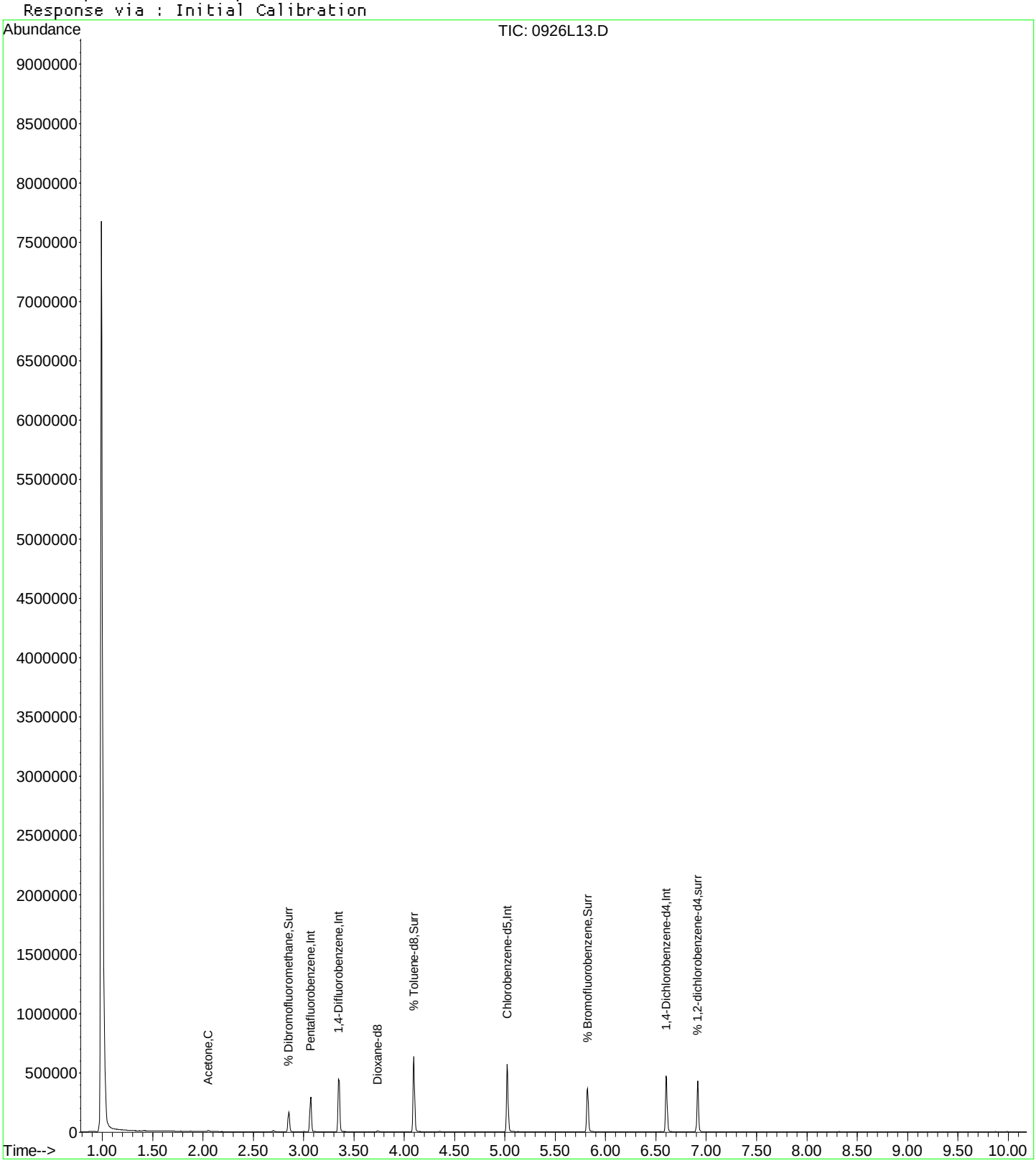
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	105436	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	201935	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	191546	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.61	152	84027	50.00	ug/l	0.00
64) Dioxane-d8	3.73	96	4374	500.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.86	192	10113	59.28	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 118.56%			
37) % Toluene-d8	4.10	98	256423	49.51	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.02%			
53) % Bromofluorobenzene	5.82	95	90392	44.32	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 88.64%			
55) % 1,2-dichlorobenzene-d4	6.91	152	76597	52.15	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 104.30%			
Target Compounds						Qvalue
11) Acetone	2.06	43	7863	6.53	ug/l	100

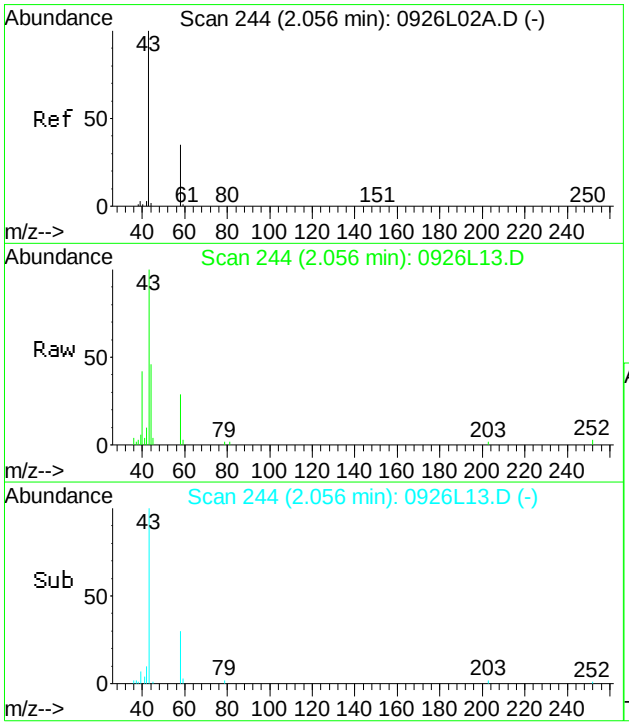
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L13.D Vial: 13
Acq On : 26 Sep 2013 5:06 pm Operator:
Sample : BF45200 Inst : Instrumen
Misc : FM-2 LL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 5:58 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration

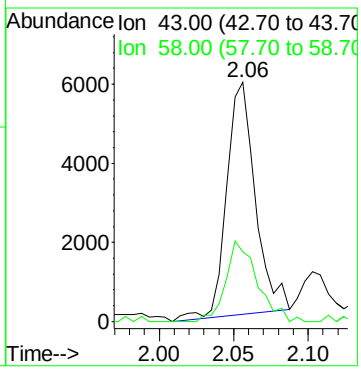




#11
Acetone
Concen: 6.53 ug/l
RT: 2.06 min Scan# 244
Delta R.T. 0.00 min
Lab File: 0926L13.D
Acq: 26 Sep 2013 5:06 pm

Tgt Ion: 43 Resp: 7863

Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.4	45.6



CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

FM-2 HL

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45200 50X

Sample wt/vol: 9.46 (g/mL) g Lab File ID: 0926L12.D

Level: (low/med/meth): Meth Date Received: 09/25/13

% Moisture: 6 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 50

Soil Extract Volume 10000 (uL) pH: < 2 Soil Aliquot Vol: 100 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	280	U	73	280
74-87-3	Chloromethane	280	U	150	280
75-01-4	Vinyl Chloride	280	U	90	280
74-83-9	Bromomethane	280	U	220	280
75-00-3	Chloroethane	280	U	67	280
75-69-4	Trichlorofluoromethane	280	U	62	280
75-35-4	1,1-Dichloroethene	280	U	62	280
76-13-1	Trichlorotrifluoroethane	280	U	44	280
67-64-1	Acetone	2800	U	280	2800
75-15-0	Carbon Disulfide	280	U	46	280
75-09-2	Methylene Chloride	66	JBS	46	280
79-20-9	METHYLACETATE	280	U	280	280
156-60-5	Trans-1,2-Dichloroethene	280	U	56	280
75-34-3	1,1-Dichloroethane	280	U	56	280
156-59-2	Cis-1,2-Dichloroethene	280	U	62	280
78-93-3	Methyl Ethyl Ketone	1700	U	240	1700
74-97-5	Bromochloromethane	280	U	41	280
110-82-7	CYCLOHEXANE	280	U	280	280
67-66-3	Chloroform	280	U	51	280
71-55-6	1,1,1-Trichloroethane	280	U	56	280
1634-04-4	Methyl t-Butyl Ether (MTBE)	560	U	79	560
56-23-5	Carbon Tetrachloride	280	U	33	280
71-43-2	Benzene	280	U	56	280
107-06-2	1,2-Dichloroethane	280	U	25	280
108-87-2	METHYLCYCLOHEXANE	280	U	280	280
79-01-6	Trichloroethene	280	U	62	280
78-87-5	1,2-dichloropropane	280	U	40	280
75-27-4	Bromodichloromethane	280	U	35	280
10061-01-5	cis-1,3-Dichloropropene	280	U	30	280
108-10-1	4-Methyl-2-Pentanone	1400	U	67	1400
108-88-3	Toluene	280	U	44	280
10061-02-6	trans-1,3-Dichloropropene	280	U	56	280
79-00-5	1,1,2-Trichloroethane	280	U	28	280
106-93-4	1,2-Dibromoethane	280	U	73	280
127-18-4	Tetrachloroethene	280	U	62	280
591-78-6	2-Hexanone	1400	U	130	1400

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

FM-2 HL

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45200 50X

Sample wt/vol: 9.46 (g/mL) g Lab File ID: 0926L12.D

Level: (low/med/meth): Meth Date Received: 09/25/13

% Moisture: 6 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 50

Soil Extract Volume 10000 (uL) pH: < 2 Soil Aliquot Vol: 100 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	280	U	31	280
108-90-7	Chlorobenzene	280	U	42	280
100-41-4	Ethylbenzene	280	U	51	280
179601-23-1	m&p-Xylene	280	U	110	280
95-47-6	o-Xylene	280	U	110	280
100-42-5	Styrene	280	U	79	280
75-25-2	Bromoform	280	U	39	280
98-82-8	Isopropylbenzene	280	U	54	280
79-34-5	1,1,2,2-Tetrachloroethane	280	U	40	280
541-73-1	1,3-Dichlorobenzene	280	U	42	280
106-46-7	1,4-Dichlorobenzene	280	U	44	280
95-50-1	1,2-Dichlorobenzene	280	U	31	280
96-12-8	1,2-Dibromo-3-Chloropropane	280	U	75	280
120-82-1	1,2,4-Trichlorobenzene	280	U	33	280
87-61-6	1,2,3-Trichlorobenzene	280	U	38	280
123-91-1	1,4-Dioxane	5600	U	5600	5600

FORM I VOA

Quantitation Report (QT Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L12.D Vial: 12
Acq On : 26 Sep 2013 4:44 pm Operator:
Sample : BF45200 50X Inst : Instrumen
Misc : FM-2 HL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 05:55:24 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

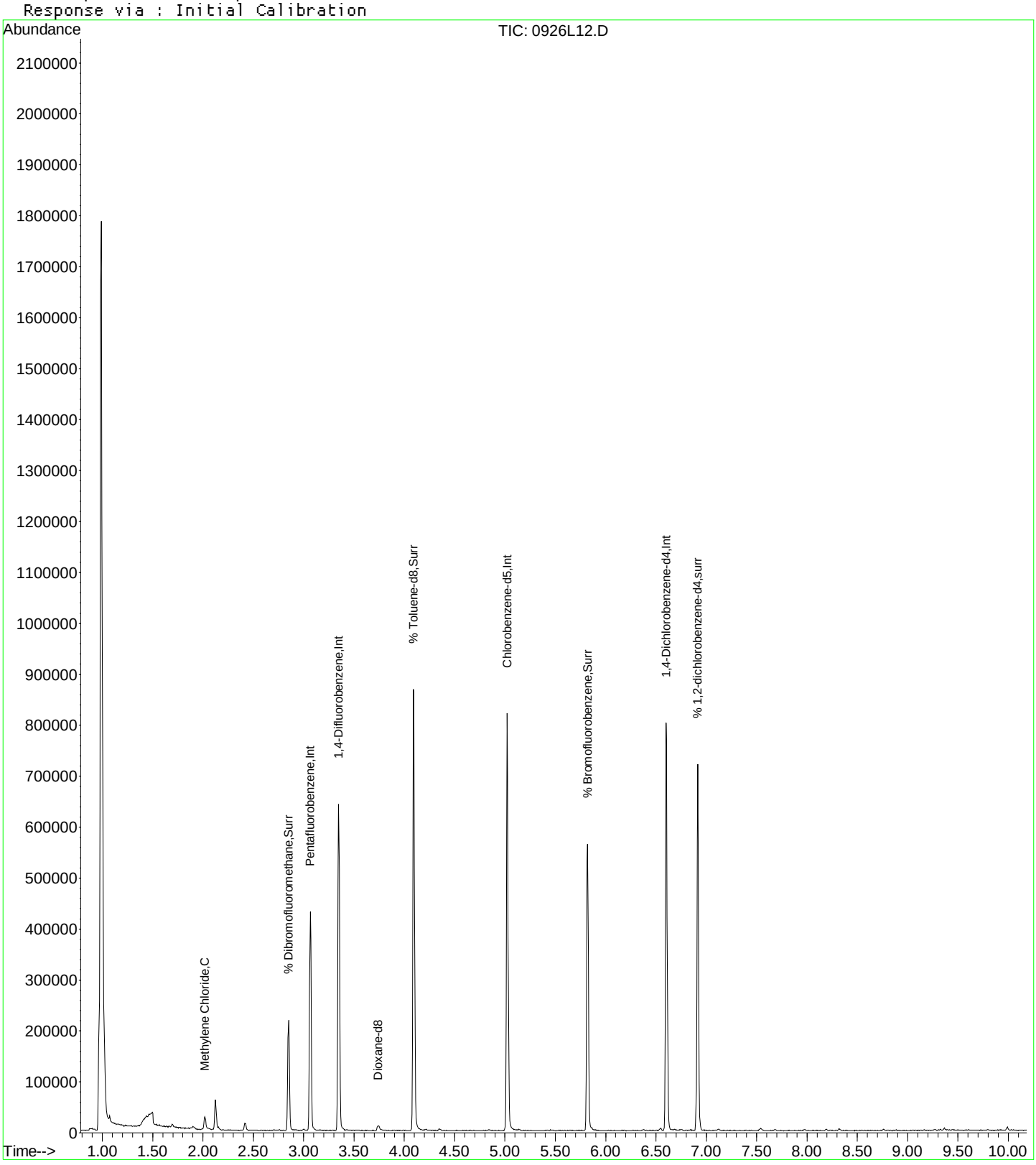
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	156384	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	286340	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	280214	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.61	152	137748	50.00	ug/l	0.00
64) Dioxane-d8	3.74	96	5095	500.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.85	192	12674	50.09	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.18%			
37) % Toluene-d8	4.10	98	371016	50.52	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.04%			
53) % Bromofluorobenzene	5.82	95	136561	45.77	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 91.54%			
55) % 1,2-dichlorobenzene-d4	6.91	152	125053	51.93	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 103.86%			
Target Compounds						Qvalue
~~13) Methylene Chloride~~	~~2.02~~	~~84~~	~~3272~~	~~1.18~~	~~ug/l #~~	~~86~~

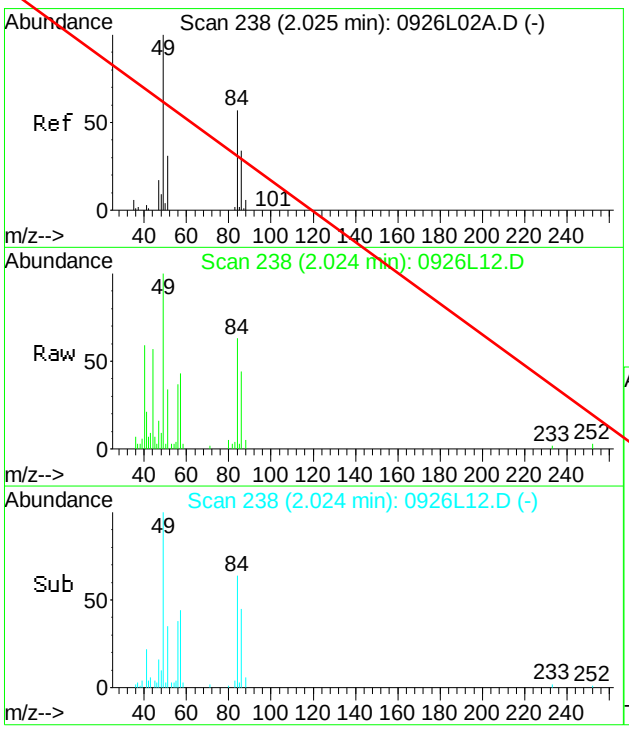
(#) = qualifier out of range (m) = manual integration
0926L12.D TCLSNJD_0924.M Fri Oct 04 08:32:29 2013 JC 10/04/13 Page 1

Quantitation Report (QT Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L12.D Vial: 12
Acq On : 26 Sep 2013 4:44 pm Operator:
Sample : BF45200 50X Inst : Instrumen
Misc : FM-2 HL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 5:58 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration

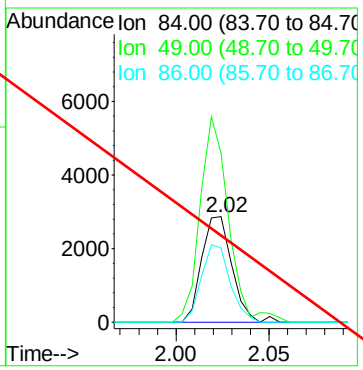




#13
Methylene Chloride
Concen: 1.18 ug/l
RT: 2.02 min Scan# 238
Delta R.T. -0.00 min
Lab File: 0926L12.D
Acq: 26 Sep 2013 4:44 pm

Tgt Ion: 84 Resp: 3272

Ion	Ratio	Lower	Upper
84	100		
49	159.9	161.1	201.1#
86	70.6	41.4	81.4



CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

FM-3

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45202

Sample wt/vol: 4.94 (g/mL) g Lab File ID: 0926L15.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: 5 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	5.3	U	1.4	5.3
74-87-3	Chloromethane	5.3	U	2.8	5.3
75-01-4	Vinyl Chloride	5.3	U	1.7	5.3
74-83-9	Bromomethane	5.3	U	4.1	5.3
75-00-3	Chloroethane	5.3	U	1.2	5.3
75-69-4	Trichlorofluoromethane	5.3	U	1.2	5.3
75-35-4	1,1-Dichloroethene	5.3	U	1.2	5.3
76-13-1	Trichlorotrifluoroethane	5.3	U	0.83	5.3
67-64-1	Acetone	50	U	5.3	50
75-15-0	Carbon Disulfide	5.3	U	0.86	5.3
75-09-2	Methylene Chloride	5.3	U	0.87	5.3
79-20-9	METHYLACETATE	5.3	U	5.3	5.3
156-60-5	Trans-1,2-Dichloroethene	5.3	U	1.1	5.3
75-34-3	1,1-Dichloroethane	5.3	U	1.1	5.3
156-59-2	Cis-1,2-Dichloroethene	5.3	U	1.2	5.3
78-93-3	Methyl Ethyl Ketone	32	U	4.6	32
74-97-5	Bromochloromethane	5.3	U	0.78	5.3
110-82-7	CYCLOHEXANE	5.3	U	5.3	5.3
67-66-3	Chloroform	5.3	U	0.97	5.3
71-55-6	1,1,1-Trichloroethane	5.3	U	1.1	5.3
1634-04-4	Methyl t-Butyl Ether (MTBE)	11	U	1.5	11
56-23-5	Carbon Tetrachloride	5.3	U	0.62	5.3
71-43-2	Benzene	5.3	U	1.1	5.3
107-06-2	1,2-Dichloroethane	5.3	U	0.47	5.3
108-87-2	METHYLCYCLOHEXANE	5.3	U	5.3	5.3
79-01-6	Trichloroethene	5.3	U	1.1	5.3
78-87-5	1,2-dichloropropane	5.3	U	0.75	5.3
75-27-4	Bromodichloromethane	5.3	U	0.66	5.3
10061-01-5	cis-1,3-Dichloropropene	5.3	U	0.57	5.3
108-10-1	4-Methyl-2-Pentanone	27	U	1.3	27
108-88-3	Toluene	5.3	U	0.84	5.3
10061-02-6	trans-1,3-Dichloropropene	5.3	U	1.1	5.3
79-00-5	1,1,2-Trichloroethane	5.3	U	0.52	5.3
106-93-4	1,2-Dibromoethane	5.3	U	1.4	5.3
127-18-4	Tetrachloroethene	5.3	U	1.1	5.3
591-78-6	2-Hexanone	27	U	2.4	27

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

FM-3

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45202

Sample wt/vol: 4.94 (g/mL) g Lab File ID: 0926L15.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: 5 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	5.3	U	0.60	5.3
108-90-7	Chlorobenzene	5.3	U	0.79	5.3
100-41-4	Ethylbenzene	5.3	U	0.97	5.3
179601-23-1	m&p-Xylene	5.3	U	2.1	5.3
95-47-6	o-Xylene	5.3	U	2.0	5.3
100-42-5	Styrene	5.3	U	1.5	5.3
75-25-2	Bromoform	5.3	U	0.74	5.3
98-82-8	Isopropylbenzene	5.3	U	1.0	5.3
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U	0.75	5.3
541-73-1	1,3-Dichlorobenzene	5.3	U	0.79	5.3
106-46-7	1,4-Dichlorobenzene	5.3	U	0.84	5.3
95-50-1	1,2-Dichlorobenzene	5.3	U	0.58	5.3
96-12-8	1,2-Dibromo-3-Chloropropane	5.3	U	1.4	5.3
120-82-1	1,2,4-Trichlorobenzene	5.3	U	0.63	5.3
87-61-6	1,2,3-Trichlorobenzene	5.3	U	0.71	5.3
123-91-1	1,4-Dioxane	100	U	110	100

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-3

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water): SOIL Lab Sample ID: BF45202

Sample wt/vol: 4.94 (g/mL) g Lab File ID: 0926L15.D

Level: (low/med): Low Date Received: 09/25/13

% Moisture: not dec. 5 Date Analyzed: 09/26/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L15.D Vial: 15
Acq On : 26 Sep 2013 5:50 pm Operator:
Sample : BF45202 Inst : Instrumen
Misc : FM-3 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 05:55:27 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	145703	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	273832	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	255443	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.61	152	111586	50.00	ug/l	0.00
64) Dioxane-d8	3.73	96	2946	500.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.85	192	12436	52.75	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 105.50%			
37) % Toluene-d8	4.10	98	348484	49.61	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.22%			
53) % Bromofluorobenzene	5.82	95	119203	43.83	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 87.66%			
55) % 1,2-dichlorobenzene-d4	6.91	152	99935	51.23	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 102.46%			

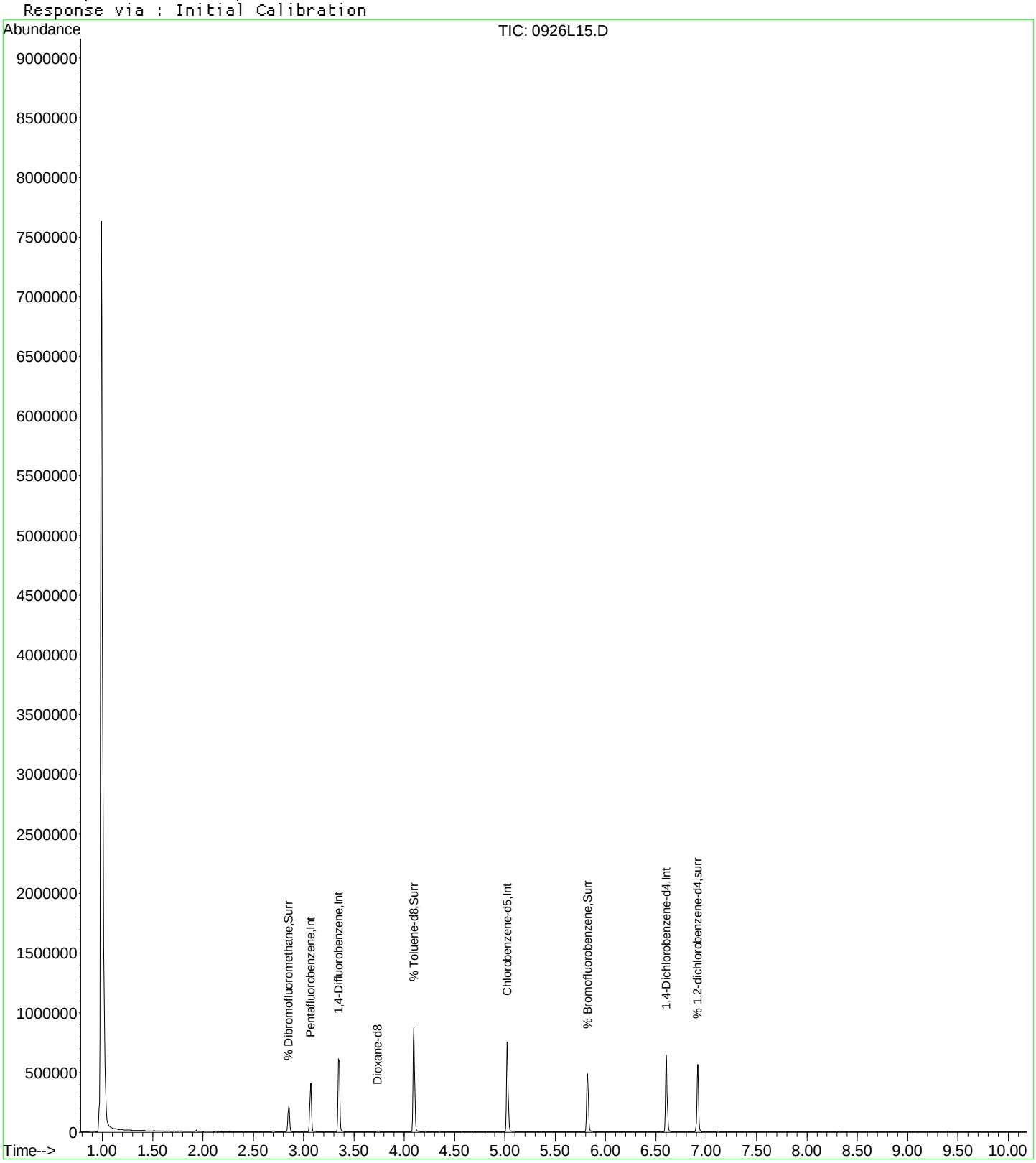
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L15.D Vial: 15
Acq On : 26 Sep 2013 5:50 pm Operator:
Sample : BF45202 Inst : Instrumen
Misc : FM-3 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 5:59 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration



CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

FM-4

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45204

Sample wt/vol: 7.07 (g/mL) g Lab File ID: 0926L17.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: 2 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	3.6	U	0.96	3.6
74-87-3	Chloromethane	3.6	U	1.9	3.6
75-01-4	Vinyl Chloride	3.6	U	1.2	3.6
74-83-9	Bromomethane	3.6	U	2.8	3.6
75-00-3	Chloroethane	3.6	U	0.85	3.6
75-69-4	Trichlorofluoromethane	3.6	U	0.80	3.6
75-35-4	1,1-Dichloroethene	3.6	U	0.79	3.6
76-13-1	Trichlorotrifluoroethane	3.6	U	0.57	3.6
67-64-1	Acetone	36	U	3.6	36
75-15-0	Carbon Disulfide	3.6	U	0.59	3.6
75-09-2	Methylene Chloride	3.6	U	0.59	3.6
79-20-9	METHYLACETATE	3.6	U	3.6	3.6
156-60-5	Trans-1,2-Dichloroethene	3.6	U	0.72	3.6
75-34-3	1,1-Dichloroethane	3.6	U	0.72	3.6
156-59-2	Cis-1,2-Dichloroethene	3.6	U	0.79	3.6
78-93-3	Methyl Ethyl Ketone	22	U	3.1	22
74-97-5	Bromochloromethane	3.6	U	0.53	3.6
110-82-7	CYCLOHEXANE	3.6	U	3.6	3.6
67-66-3	Chloroform	3.6	U	0.66	3.6
71-55-6	1,1,1-Trichloroethane	3.6	U	0.72	3.6
1634-04-4	Methyl t-Butyl Ether (MTBE)	7.2	U	1.0	7.2
56-23-5	Carbon Tetrachloride	3.6	U	0.42	3.6
71-43-2	Benzene	3.6	U	0.72	3.6
107-06-2	1,2-Dichloroethane	3.6	U	0.32	3.6
108-87-2	METHYLCYCLOHEXANE	3.6	U	3.6	3.6
79-01-6	Trichloroethene	3.6	U	0.77	3.6
78-87-5	1,2-dichloropropane	3.6	U	0.51	3.6
75-27-4	Bromodichloromethane	3.6	U	0.45	3.6
10061-01-5	cis-1,3-Dichloropropene	3.6	U	0.39	3.6
108-10-1	4-Methyl-2-Pentanone	18	U	0.86	18
108-88-3	Toluene	3.6	U	0.57	3.6
10061-02-6	trans-1,3-Dichloropropene	3.6	U	0.74	3.6
79-00-5	1,1,2-Trichloroethane	3.6	U	0.36	3.6
106-93-4	1,2-Dibromoethane	3.6	U	0.96	3.6
127-18-4	Tetrachloroethene	3.6	U	0.76	3.6
591-78-6	2-Hexanone	18	U	1.6	18

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

FM-4

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45204

Sample wt/vol: 7.07 (g/mL) g Lab File ID: 0926L17.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: 2 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	3.6	U	0.41	3.6
108-90-7	Chlorobenzene	3.6	U	0.54	3.6
100-41-4	Ethylbenzene	3.6	U	0.66	3.6
179601-23-1	m&p-Xylene	3.6	U	1.4	3.6
95-47-6	o-Xylene	3.6	U	1.4	3.6
100-42-5	Styrene	3.6	U	1.0	3.6
75-25-2	Bromoform	3.6	U	0.51	3.6
98-82-8	Isopropylbenzene	3.6	U	0.70	3.6
79-34-5	1,1,2,2-Tetrachloroethane	3.6	U	0.51	3.6
541-73-1	1,3-Dichlorobenzene	3.6	U	0.54	3.6
106-46-7	1,4-Dichlorobenzene	3.6	U	0.57	3.6
95-50-1	1,2-Dichlorobenzene	3.6	U	0.40	3.6
96-12-8	1,2-Dibromo-3-Chloropropane	3.6	U	0.97	3.6
120-82-1	1,2,4-Trichlorobenzene	3.6	U	0.43	3.6
87-61-6	1,2,3-Trichlorobenzene	3.6	U	0.49	3.6
123-91-1	1,4-Dioxane	72	U	72	72

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-4

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water): SOIL Lab Sample ID: BF45204

Sample wt/vol: 7.07 (g/mL) g Lab File ID: 0926L17.D

Level: (low/med): Low Date Received: 09/25/13

% Moisture: not dec. 2 Date Analyzed: 09/26/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L17.D Vial: 17
Acq On : 26 Sep 2013 6:34 pm Operator:
Sample : BF45204 Inst : Instrumen
Misc : FM-4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 05:55:29 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	152833	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	291722	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	275540	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.61	152	132084	50.00	ug/l	0.00
64) Dioxane-d8	3.81	96	116	500.00	ug/l	0.08
System Monitoring Compounds						
24) % Dibromofluoromethane	2.86	192	13349	53.98	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 107.96%			
37) % Toluene-d8	4.10	98	370367	49.50	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.00%			
53) % Bromofluorobenzene	5.82	95	135847	46.31	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 92.62%			
55) % 1,2-dichlorobenzene-d4	6.91	152	120577	52.22	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 104.44%			
Target Compounds						Qvalue
~~13) Methylene Chloride~~	~~2.02~~	~~84~~	~~1449~~	~~0.54~~	~~ug/l #~~	~~67~~

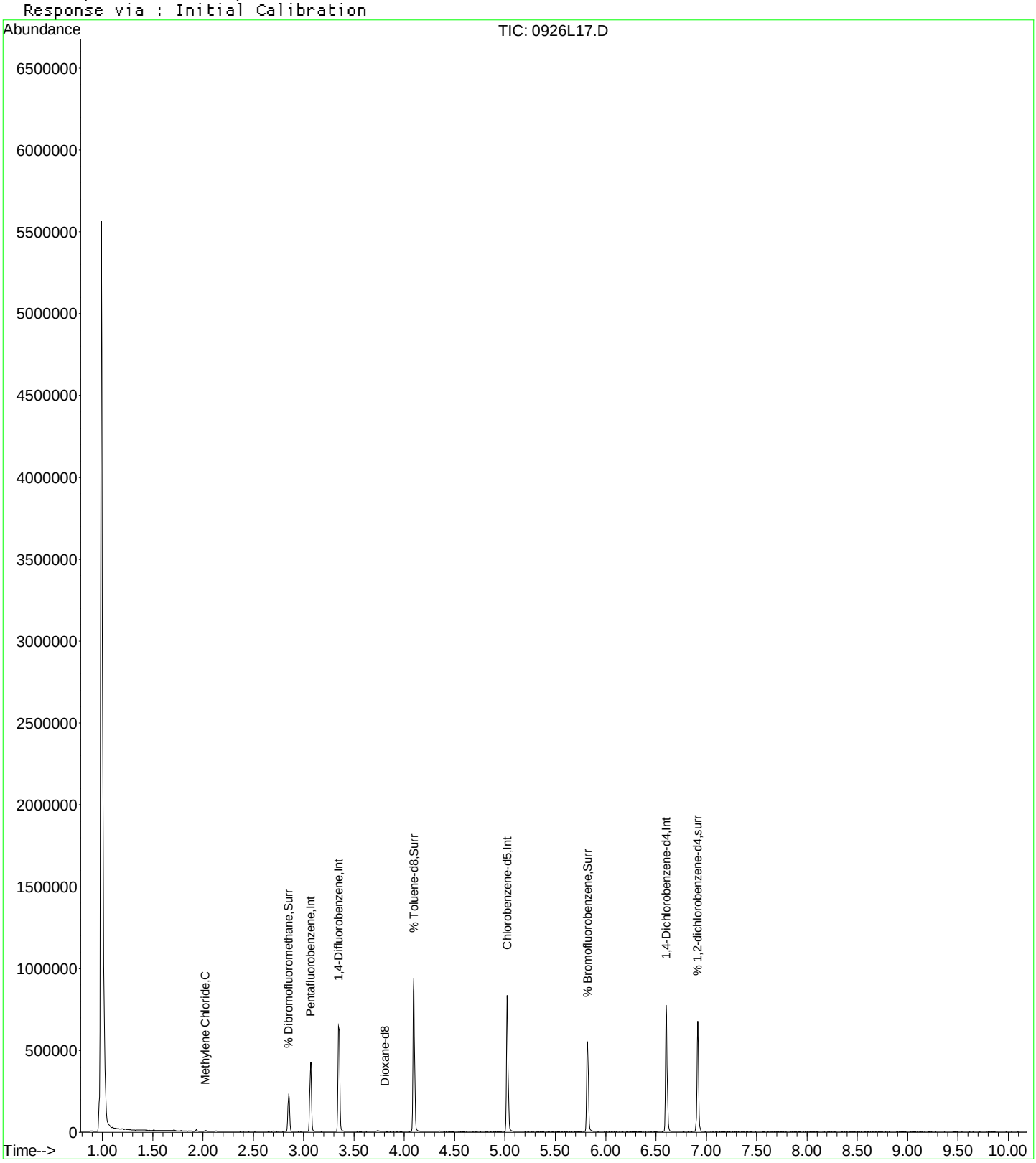
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0926L17.D TCLSNJD_0924.M Fri Oct 04 08:33:25 2013 Page 1

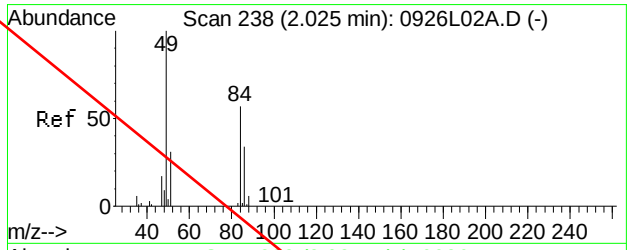
JC 10/04/13

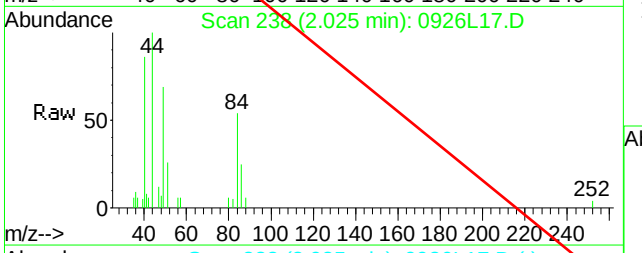
Quantitation Report (QT/LSC Reviewed)

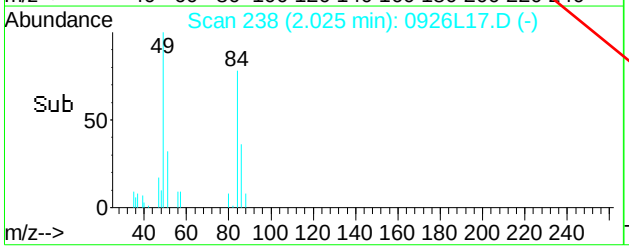
Data File : H:\V2013\CHEM03\09SEP\092613\0926L17.D Vial: 17
Acq On : 26 Sep 2013 6:34 pm Operator:
Sample : BF45204 Inst : Instrumen
Misc : FM-4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 5:59 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration





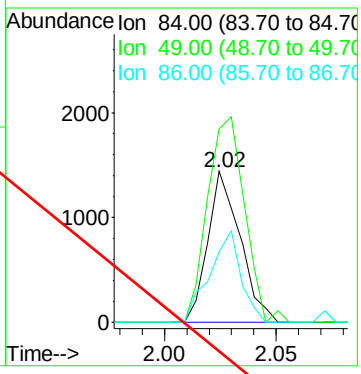




#13
Methylene Chloride
Concen: 0.54 ug/l
RT: 2.02 min Scan# 238
Delta R.T. -0.00 min
Lab File: 0926L17.D
Acq: 26 Sep 2013 6:34 pm

Tgt Ion: 84 Resp: 1449

Ion	Ratio	Lower	Upper
84	100		
49	128.2	161.1	201.1#
86	46.7	41.4	81.4



CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

FM-5

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45206

Sample wt/vol: 5.32 (g/mL) g Lab File ID: 0925L19.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: 5 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	4.9	U	1.3	4.9
74-87-3	Chloromethane	4.9	U	2.6	4.9
75-01-4	Vinyl Chloride	4.9	U	1.6	4.9
74-83-9	Bromomethane	4.9	U	3.8	4.9
75-00-3	Chloroethane	4.9	U	1.2	4.9
75-69-4	Trichlorofluoromethane	4.9	U	1.1	4.9
75-35-4	1,1-Dichloroethene	4.9	U	1.1	4.9
76-13-1	Trichlorotrifluoroethane	4.9	U	0.77	4.9
67-64-1	Acetone	49	U	4.9	49
75-15-0	Carbon Disulfide	4.9	U	0.80	4.9
75-09-2	Methylene Chloride	4.9	U	0.81	4.9
79-20-9	METHYLACETATE	4.9	U	4.9	4.9
156-60-5	Trans-1,2-Dichloroethene	4.9	U	0.99	4.9
75-34-3	1,1-Dichloroethane	4.9	U	0.98	4.9
156-59-2	Cis-1,2-Dichloroethene	4.9	U	1.1	4.9
78-93-3	Methyl Ethyl Ketone	30	U	4.3	30
74-97-5	Bromochloromethane	4.9	U	0.72	4.9
110-82-7	CYCLOHEXANE	4.9	U	4.9	4.9
67-66-3	Chloroform	4.9	U	0.90	4.9
71-55-6	1,1,1-Trichloroethane	4.9	U	0.99	4.9
1634-04-4	Methyl t-Butyl Ether (MTBE)	9.9	U	1.4	9.9
56-23-5	Carbon Tetrachloride	4.9	U	0.57	4.9
71-43-2	Benzene	4.9	U	0.98	4.9
107-06-2	1,2-Dichloroethane	4.9	U	0.44	4.9
108-87-2	METHYLCYCLOHEXANE	4.9	U	4.9	4.9
79-01-6	Trichloroethene	4.9	U	1.0	4.9
78-87-5	1,2-dichloropropane	4.9	U	0.70	4.9
75-27-4	Bromodichloromethane	4.9	U	0.61	4.9
10061-01-5	cis-1,3-Dichloropropene	4.9	U	0.53	4.9
108-10-1	4-Methyl-2-Pentanone	25	U	1.2	25
108-88-3	Toluene	4.9	U	0.78	4.9
10061-02-6	trans-1,3-Dichloropropene	4.9	U	1.0	4.9
79-00-5	1,1,2-Trichloroethane	4.9	U	0.48	4.9
106-93-4	1,2-Dibromoethane	4.9	U	1.3	4.9
127-18-4	Tetrachloroethene	4.9	U	1.0	4.9
591-78-6	2-Hexanone	25	U	2.2	25

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

FM-5

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45206

Sample wt/vol: 5.32 (g/mL) g Lab File ID: 0925L19.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: 5 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	4.9	U	0.55	4.9
108-90-7	Chlorobenzene	4.9	U	0.73	4.9
100-41-4	Ethylbenzene	4.9	U	0.90	4.9
179601-23-1	m&p-Xylene	4.9	U	1.9	4.9
95-47-6	o-Xylene	4.9	U	1.9	4.9
100-42-5	Styrene	4.9	U	1.4	4.9
75-25-2	Bromoform	4.9	U	0.69	4.9
98-82-8	Isopropylbenzene	4.9	U	0.95	4.9
79-34-5	1,1,2,2-Tetrachloroethane	4.9	U	0.70	4.9
541-73-1	1,3-Dichlorobenzene	4.9	U	0.73	4.9
106-46-7	1,4-Dichlorobenzene	4.9	U	0.78	4.9
95-50-1	1,2-Dichlorobenzene	4.9	U	0.54	4.9
96-12-8	1,2-Dibromo-3-Chloropropane	4.9	U	1.3	4.9
120-82-1	1,2,4-Trichlorobenzene	4.9	U	0.58	4.9
87-61-6	1,2,3-Trichlorobenzene	4.9	U	0.66	4.9
123-91-1	1,4-Dioxane	99	U	99	99

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-5

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water): SOIL Lab Sample ID: BF45206

Sample wt/vol: 5.32 (g/mL) g Lab File ID: 0925L19.D

Level: (low/med): Low Date Received: 09/25/13

% Moisture: not dec. 5 Date Analyzed: 09/26/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L19.D Vial: 19
Acq On : 26 Sep 2013 2:09 am Operator:
Sample : BF45206 Inst : Instrumen
Misc : FM-5 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 06:27:07 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Wed Sep 25 06:40:59 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	159515	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	301950	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	271849	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.61	152	111717	50.00	ug/l	0.00
64) Dioxane-d8	3.73	96	3109	50.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.86	192	13606	52.71	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 105.42%			
37) % Toluene-d8	4.10	98	381973	49.32	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.64%			
53) % Bromofluorobenzene	5.82	95	124296	42.94	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 85.88%			
55) % 1,2-dichlorobenzene-d4	6.91	152	99445	50.92	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.84%			

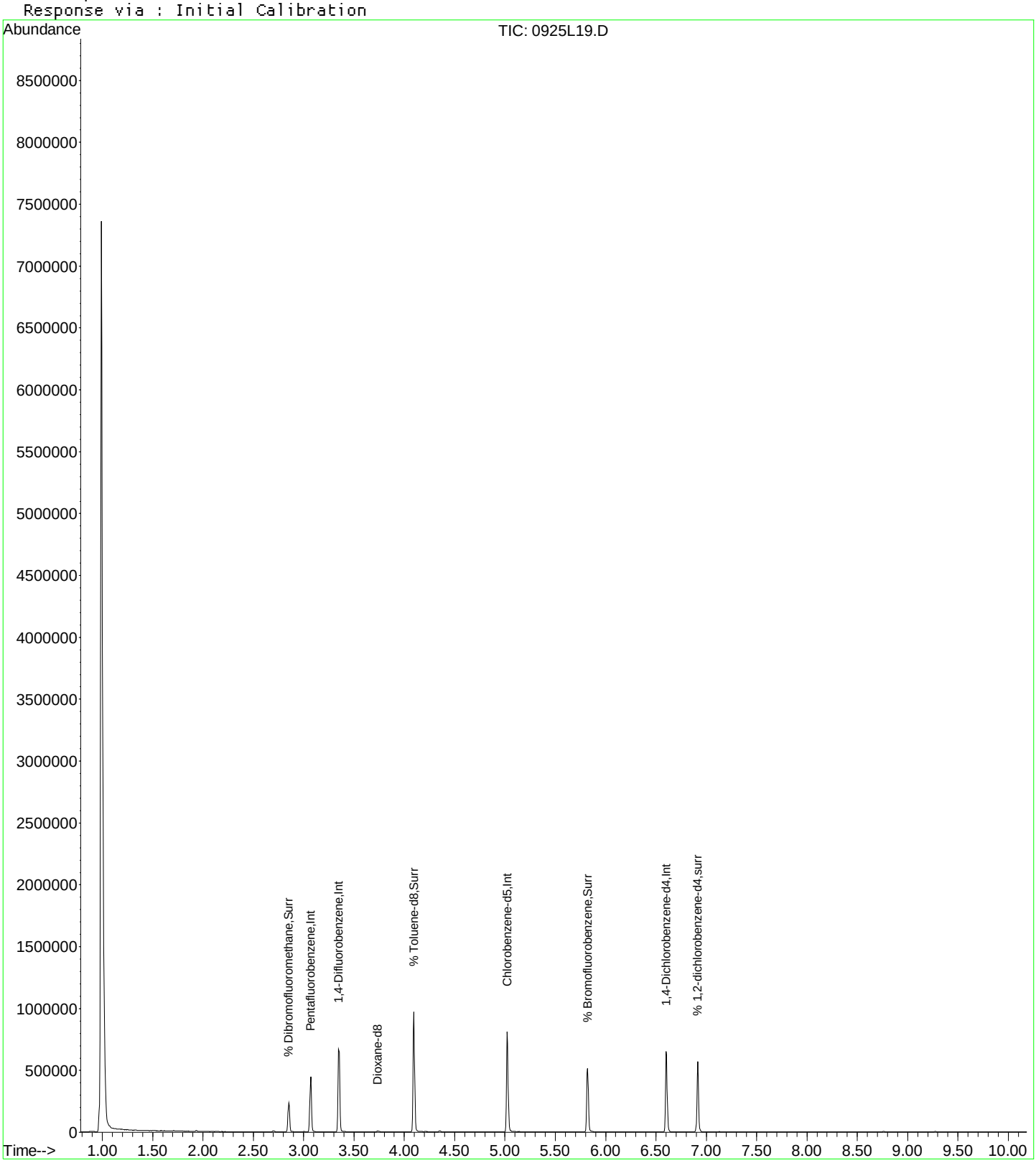
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L19.D Vial: 19
Acq On : 26 Sep 2013 2:09 am Operator:
Sample : BF45206 Inst : Instrumen
Misc : FM-5 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 7:01 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 04 08:21:50 2013
Response via : Initial Calibration



CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

FM-6

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45208

Sample wt/vol: 7.25 (g/mL) g Lab File ID: 0925L20.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: 4 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	3.6	U	0.96	3.6
74-87-3	Chloromethane	3.6	U	1.9	3.6
75-01-4	Vinyl Chloride	3.6	U	1.2	3.6
74-83-9	Bromomethane	3.6	U	2.8	3.6
75-00-3	Chloroethane	3.6	U	0.84	3.6
75-69-4	Trichlorofluoromethane	3.6	U	0.80	3.6
75-35-4	1,1-Dichloroethene	3.6	U	0.78	3.6
76-13-1	Trichlorotrifluoroethane	3.6	U	0.56	3.6
67-64-1	Acetone	36	U	3.6	36
75-15-0	Carbon Disulfide	3.6	U	0.58	3.6
75-09-2	Methylene Chloride	3.6	U	0.59	3.6
79-20-9	METHYLACETATE	3.6	U	3.6	3.6
156-60-5	Trans-1,2-Dichloroethene	3.6	U	0.72	3.6
75-34-3	1,1-Dichloroethane	3.6	U	0.71	3.6
156-59-2	Cis-1,2-Dichloroethene	3.6	U	0.78	3.6
78-93-3	Methyl Ethyl Ketone	22	U	3.1	22
74-97-5	Bromochloromethane	3.6	U	0.52	3.6
110-82-7	CYCLOHEXANE	3.6	U	3.6	3.6
67-66-3	Chloroform	3.6	U	0.65	3.6
71-55-6	1,1,1-Trichloroethane	3.6	U	0.72	3.6
1634-04-4	Methyl t-Butyl Ether (MTBE)	7.2	U	0.99	7.2
56-23-5	Carbon Tetrachloride	3.6	U	0.42	3.6
71-43-2	Benzene	3.6	U	0.71	3.6
107-06-2	1,2-Dichloroethane	3.6	U	0.32	3.6
108-87-2	METHYLCYCLOHEXANE	3.6	U	3.6	3.6
79-01-6	Trichloroethene	3.6	U	0.76	3.6
78-87-5	1,2-dichloropropane	3.6	U	0.51	3.6
75-27-4	Bromodichloromethane	3.6	U	0.45	3.6
10061-01-5	cis-1,3-Dichloropropene	3.6	U	0.39	3.6
108-10-1	4-Methyl-2-Pentanone	18	U	0.86	18
108-88-3	Toluene	3.6	U	0.57	3.6
10061-02-6	trans-1,3-Dichloropropene	3.6	U	0.73	3.6
79-00-5	1,1,2-Trichloroethane	3.6	U	0.35	3.6
106-93-4	1,2-Dibromoethane	3.6	U	0.96	3.6
127-18-4	Tetrachloroethene	3.6	U	0.75	3.6
591-78-6	2-Hexanone	18	U	1.6	18

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

FM-6

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45208

Sample wt/vol: 7.25 (g/mL) g Lab File ID: 0925L20.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: 4 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	3.6	U	0.40	3.6
108-90-7	Chlorobenzene	3.6	U	0.53	3.6
100-41-4	Ethylbenzene	3.6	U	0.65	3.6
179601-23-1	m&p-Xylene	3.6	U	1.4	3.6
95-47-6	o-Xylene	3.6	U	1.4	3.6
100-42-5	Styrene	3.6	U	1.0	3.6
75-25-2	Bromoform	3.6	U	0.50	3.6
98-82-8	Isopropylbenzene	3.6	U	0.69	3.6
79-34-5	1,1,2,2-Tetrachloroethane	3.6	U	0.51	3.6
541-73-1	1,3-Dichlorobenzene	3.6	U	0.53	3.6
106-46-7	1,4-Dichlorobenzene	3.6	U	0.57	3.6
95-50-1	1,2-Dichlorobenzene	3.6	U	0.40	3.6
96-12-8	1,2-Dibromo-3-Chloropropane	3.6	U	0.96	3.6
120-82-1	1,2,4-Trichlorobenzene	3.6	U	0.42	3.6
87-61-6	1,2,3-Trichlorobenzene	3.6	U	0.48	3.6
123-91-1	1,4-Dioxane	72	U	72	72

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-6

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water): SOIL Lab Sample ID: BF45208

Sample wt/vol: 7.25 (g/mL) g Lab File ID: 0925L20.D

Level: (low/med): Low Date Received: 09/25/13

% Moisture: not dec. 4 Date Analyzed: 09/26/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L20.D Vial: 20
Acq On : 26 Sep 2013 2:31 am Operator:
Sample : BF45208 Inst : Instrumen
Misc : FM-6 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 06:27:08 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Wed Sep 25 06:40:59 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

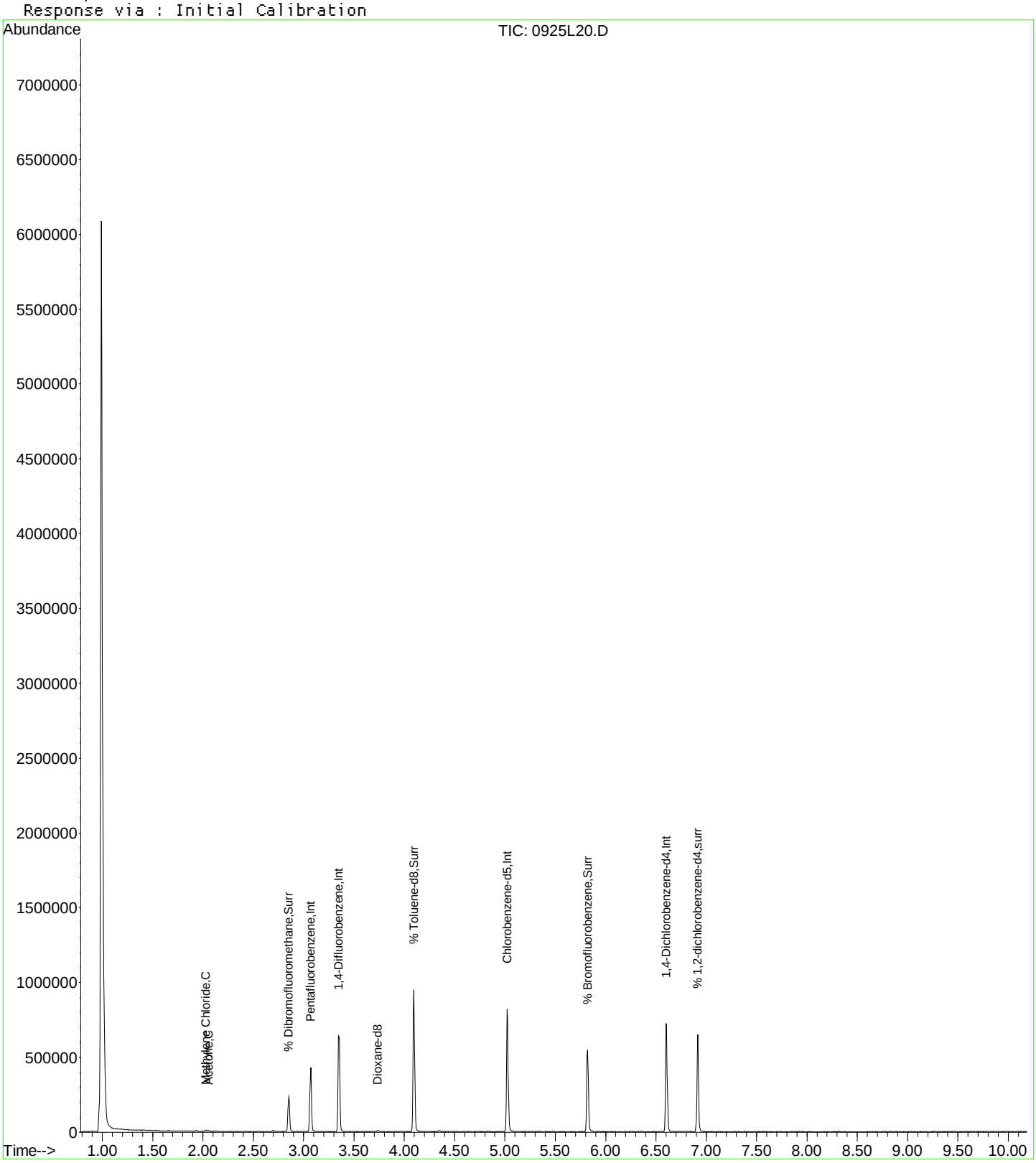
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	153900	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	295816	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	275168	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.61	152	126504	50.00	ug/l	0.00
64) Dioxane-d8	3.73	96	4154	50.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.86	192	13542	54.38	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 108.76%			
37) % Toluene-d8	4.10	98	378443	49.88	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.76%			
53) % Bromofluorobenzene	5.82	95	132955	45.38	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 90.76%			
55) % 1,2-dichlorobenzene-d4	6.91	152	114564	51.81	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 103.62%			
Target Compounds						Qvalue
~~11) Acetone~~	~~2.05~~	~~43~~	~~4718~~	~~2.68~~	~~ug/l~~	~~95~~
~~13) Methylene Chloride~~	~~2.03~~	~~84~~	~~1220~~	~~0.45~~	~~ug/l~~	~~94~~

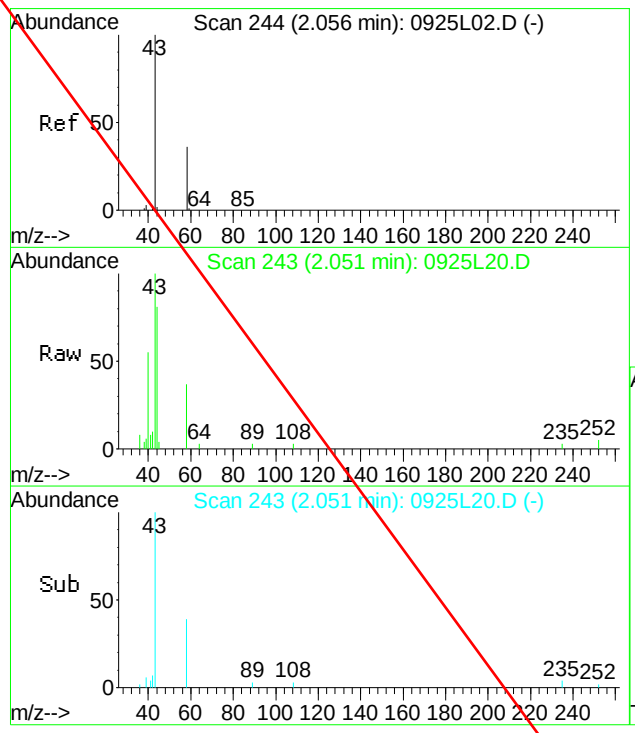
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L20.D Vial: 20
Acq On : 26 Sep 2013 2:31 am Operator:
Sample : BF45208 Inst : Instrumen
Misc : FM-6 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 7:01 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 04 08:21:50 2013
Response via : Initial Calibration

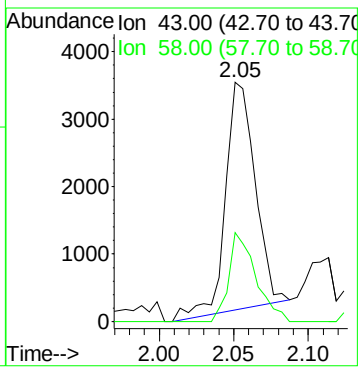


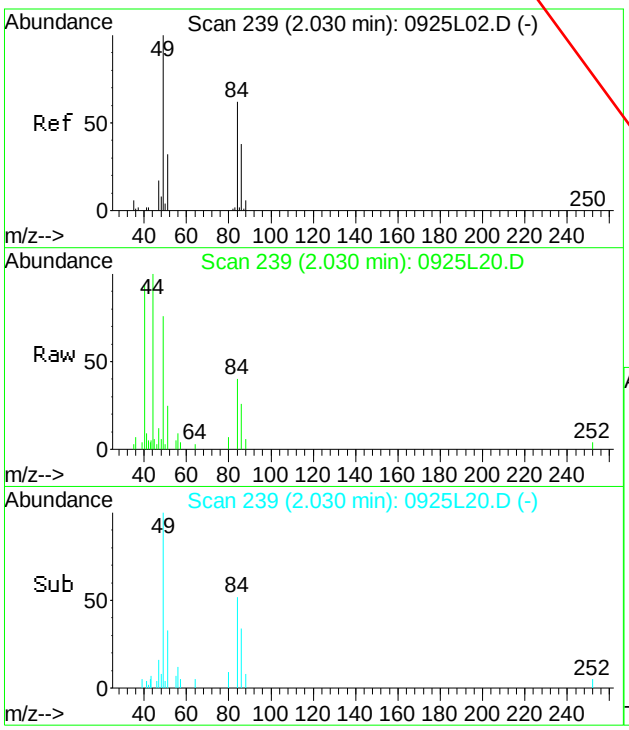


#11
Acetone
Concen: 2.68 ug/l
RT: 2.05 min Scan# 243
Delta R.T. -0.01 min
Lab File: 0925L20.D
Acq: 26 Sep 2013 2:31 am

Tgt Ion: 43 Resp: 4718

Ion	Ratio	Lower	Upper
43	100		
58	35.0	30.4	45.6

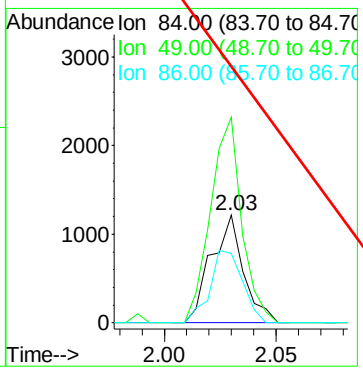




#13
Methylene Chloride
Concen: 0.45 ug/l
RT: 2.03 min Scan# 239
Delta R.T. 0.01 min
Lab File: 0925L20.D
Acq: 26 Sep 2013 2:31 am

Tgt Ion: 84 Resp: 1220

Ion	Ratio	Lower	Upper
84	100		
49	190.9	161.1	201.1
86	64.3	41.4	81.4



CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

FM-7

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45210

Sample wt/vol: 7.08 (g/mL) g Lab File ID: 0925L21.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: 6 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	3.8	U	1.0	3.8
74-87-3	Chloromethane	3.8	U	2.0	3.8
75-01-4	Vinyl Chloride	3.8	U	1.2	3.8
74-83-9	Bromomethane	3.8	U	2.9	3.8
75-00-3	Chloroethane	3.8	U	0.88	3.8
75-69-4	Trichlorofluoromethane	3.8	U	0.84	3.8
75-35-4	1,1-Dichloroethene	3.8	U	0.82	3.8
76-13-1	Trichlorotrifluoroethane	3.8	U	0.59	3.8
67-64-1	Acetone	38	U	3.8	38
75-15-0	Carbon Disulfide	3.8	U	0.61	3.8
75-09-2	Methylene Chloride	3.8	U	0.62	3.8
79-20-9	METHYLACETATE	3.8	U	3.8	3.8
156-60-5	Trans-1,2-Dichloroethene	3.8	U	0.76	3.8
75-34-3	1,1-Dichloroethane	3.8	U	0.75	3.8
156-59-2	Cis-1,2-Dichloroethene	3.8	U	0.82	3.8
78-93-3	Methyl Ethyl Ketone	23	U	3.3	23
74-97-5	Bromochloromethane	3.8	U	0.55	3.8
110-82-7	CYCLOHEXANE	3.8	U	3.8	3.8
67-66-3	Chloroform	3.8	U	0.69	3.8
71-55-6	1,1,1-Trichloroethane	3.8	U	0.76	3.8
1634-04-4	Methyl t-Butyl Ether (MTBE)	7.6	U	1.0	7.6
56-23-5	Carbon Tetrachloride	3.8	U	0.44	3.8
71-43-2	Benzene	3.8	U	0.75	3.8
107-06-2	1,2-Dichloroethane	3.8	U	0.33	3.8
108-87-2	METHYLCYCLOHEXANE	3.8	U	3.8	3.8
79-01-6	Trichloroethene	3.8	U	0.80	3.8
78-87-5	1,2-dichloropropane	3.8	U	0.54	3.8
75-27-4	Bromodichloromethane	3.8	U	0.47	3.8
10061-01-5	cis-1,3-Dichloropropene	3.8	U	0.41	3.8
108-10-1	4-Methyl-2-Pentanone	19	U	0.90	19
108-88-3	Toluene	3.8	U	0.60	3.8
10061-02-6	trans-1,3-Dichloropropene	3.8	U	0.77	3.8
79-00-5	1,1,2-Trichloroethane	3.8	U	0.37	3.8
106-93-4	1,2-Dibromoethane	3.8	U	1.0	3.8
127-18-4	Tetrachloroethene	3.8	U	0.79	3.8
591-78-6	2-Hexanone	19	U	1.7	19

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

FM-7

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45210

Sample wt/vol: 7.08 (g/mL) g Lab File ID: 0925L21.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: 6 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	3.8	U	0.42	3.8
108-90-7	Chlorobenzene	3.8	U	0.56	3.8
100-41-4	Ethylbenzene	3.8	U	0.69	3.8
179601-23-1	m&p-Xylene	3.8	U	1.5	3.8
95-47-6	o-Xylene	3.8	U	1.4	3.8
100-42-5	Styrene	3.8	U	1.1	3.8
75-25-2	Bromoform	3.8	U	0.53	3.8
98-82-8	Isopropylbenzene	3.8	U	0.73	3.8
79-34-5	1,1,2,2-Tetrachloroethane	3.8	U	0.54	3.8
541-73-1	1,3-Dichlorobenzene	3.8	U	0.56	3.8
106-46-7	1,4-Dichlorobenzene	3.8	U	0.60	3.8
95-50-1	1,2-Dichlorobenzene	3.8	U	0.42	3.8
96-12-8	1,2-Dibromo-3-Chloropropane	3.8	U	1.0	3.8
120-82-1	1,2,4-Trichlorobenzene	3.8	U	0.45	3.8
87-61-6	1,2,3-Trichlorobenzene	3.8	U	0.51	3.8
123-91-1	1,4-Dioxane	76	U	76	76

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-7

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water): SOIL Lab Sample ID: BF45210

Sample wt/vol: 7.08 (g/mL) g Lab File ID: 0925L21.D

Level: (low/med): Low Date Received: 09/25/13

% Moisture: not dec. 6 Date Analyzed: 09/26/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L21.D Vial: 21
Acq On : 26 Sep 2013 2:53 am Operator:
Sample : BF45210 Inst : Instrumen
Misc : FM-7 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 06:27:09 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Wed Sep 25 06:40:59 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	154444	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	294822	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	266967	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.61	152	116145	50.00	ug/l	0.00
64) Dioxane-d8	3.73	96	3045	50.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.86	192	13356	53.44	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 106.88%			
37) % Toluene-d8	4.10	98	374654	49.54	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.08%			
53) % Bromofluorobenzene	5.82	95	127151	44.73	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 89.46%			
55) % 1,2-dichlorobenzene-d4	6.91	152	104750	51.59	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 103.18%			
Target Compounds						Qvalue
~~43) Tetrachloroethene~~	~~4.35~~	~~164~~	~~970~~	~~0.40~~	~~ug/l~~	~~94~~

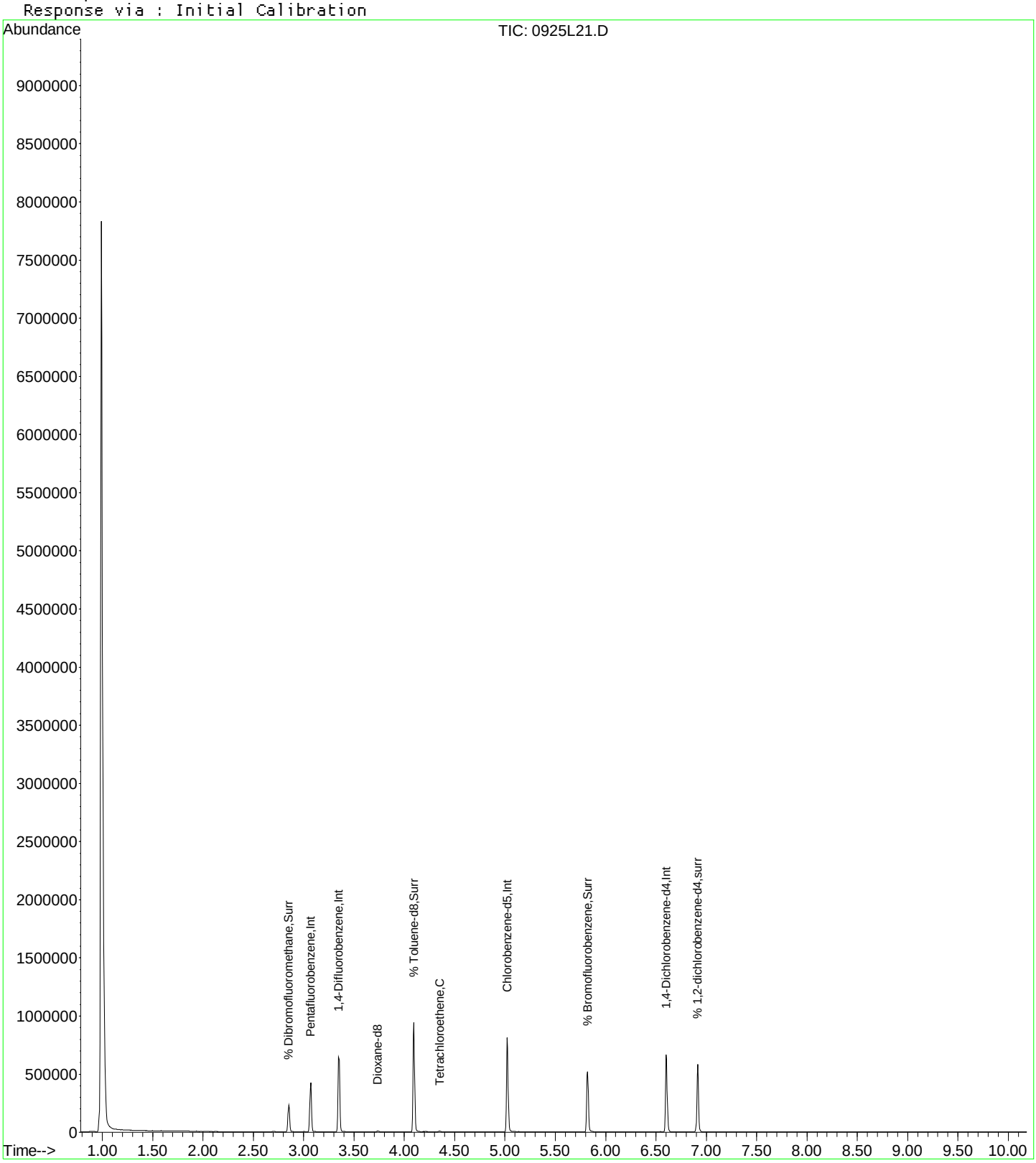
(#) = qualifier out of range (m) = manual integration
0925L21.D TCLSNJD_0924.M Fri Oct 04 08:26:57 2013 Page 1

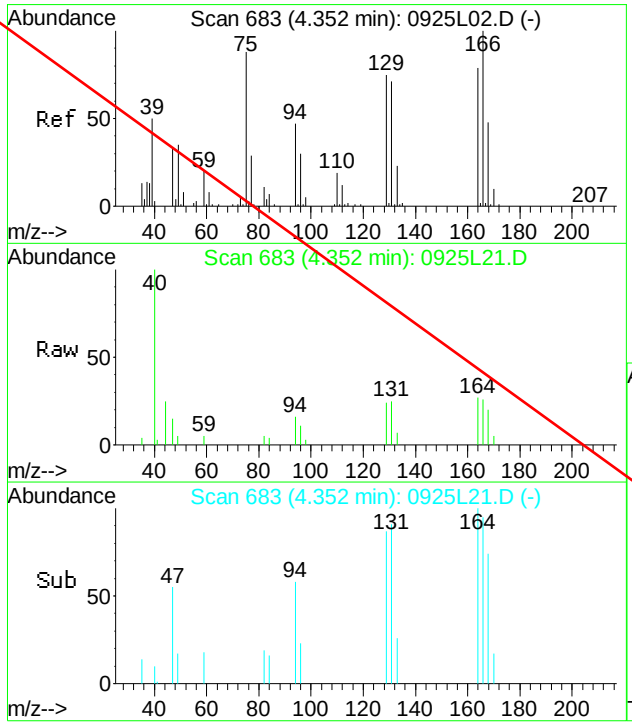
JC 10/04/13

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L21.D Vial: 21
Acq On : 26 Sep 2013 2:53 am Operator:
Sample : BF45210 Inst : Instrumen
Misc : FM-7 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 6:27 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 04 08:21:50 2013
Response via : Initial Calibration

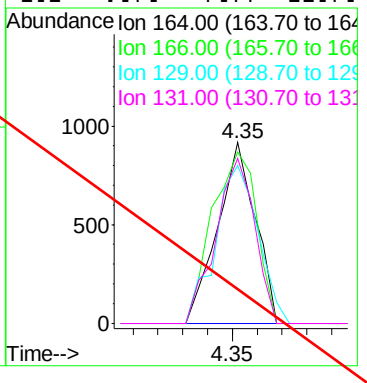




#43
Tetrachloroethene
Concen: 0.40 ug/l
RT: 4.35 min Scan# 683
Delta R.T. -0.00 min
Lab File: 0925L21.D
Acq: 26 Sep 2013 2:53 am

Tgt Ion:164 Resp: 970

Ion	Ratio	Lower	Upper
164	100		
166	111.0	102.3	153.5
129	98.5	79.2	118.8
131	93.8	75.7	113.5



CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

FM-8

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45212

Sample wt/vol: 7.55 (g/mL) g Lab File ID: 0925L22.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: 4 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	3.4	U	0.91	3.4
74-87-3	Chloromethane	3.4	U	1.8	3.4
75-01-4	Vinyl Chloride	3.4	U	1.1	3.4
74-83-9	Bromomethane	3.4	U	2.6	3.4
75-00-3	Chloroethane	3.4	U	0.80	3.4
75-69-4	Trichlorofluoromethane	3.4	U	0.76	3.4
75-35-4	1,1-Dichloroethene	3.4	U	0.75	3.4
76-13-1	Trichlorotrifluoroethane	3.4	U	0.54	3.4
67-64-1	Acetone	34	U	3.4	34
75-15-0	Carbon Disulfide	3.4	U	0.56	3.4
75-09-2	Methylene Chloride	3.4	U	0.56	3.4
79-20-9	METHYLACETATE	3.4	U	3.4	3.4
156-60-5	Trans-1,2-Dichloroethene	3.4	U	0.69	3.4
75-34-3	1,1-Dichloroethane	3.4	U	0.68	3.4
156-59-2	Cis-1,2-Dichloroethene	3.4	U	0.75	3.4
78-93-3	Methyl Ethyl Ketone	21	U	3.0	21
74-97-5	Bromochloromethane	3.4	U	0.50	3.4
110-82-7	CYCLOHEXANE	3.4	U	3.4	3.4
67-66-3	Chloroform	3.4	U	0.63	3.4
71-55-6	1,1,1-Trichloroethane	3.4	U	0.69	3.4
1634-04-4	Methyl t-Butyl Ether (MTBE)	6.9	U	0.95	6.9
56-23-5	Carbon Tetrachloride	3.4	U	0.40	3.4
71-43-2	Benzene	3.4	U	0.68	3.4
107-06-2	1,2-Dichloroethane	3.4	U	0.30	3.4
108-87-2	METHYLCYCLOHEXANE	3.4	U	3.4	3.4
79-01-6	Trichloroethene	3.4	U	0.73	3.4
78-87-5	1,2-dichloropropane	3.4	U	0.49	3.4
75-27-4	Bromodichloromethane	3.4	U	0.43	3.4
10061-01-5	cis-1,3-Dichloropropene	3.4	U	0.37	3.4
108-10-1	4-Methyl-2-Pentanone	17	U	0.82	17
108-88-3	Toluene	3.4	U	0.54	3.4
10061-02-6	trans-1,3-Dichloropropene	3.4	U	0.70	3.4
79-00-5	1,1,2-Trichloroethane	3.4	U	0.34	3.4
106-93-4	1,2-Dibromoethane	3.4	U	0.91	3.4
127-18-4	Tetrachloroethene	3.4	U	0.72	3.4
591-78-6	2-Hexanone	17	U	1.5	17

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

FM-8

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45212

Sample wt/vol: 7.55 (g/mL) g Lab File ID: 0925L22.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: 4 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	3.4	U	0.39	3.4
108-90-7	Chlorobenzene	3.4	U	0.51	3.4
100-41-4	Ethylbenzene	3.4	U	0.63	3.4
179601-23-1	m&p-Xylene	3.4	U	1.4	3.4
95-47-6	o-Xylene	3.4	U	1.3	3.4
100-42-5	Styrene	3.4	U	0.99	3.4
75-25-2	Bromoform	3.4	U	0.48	3.4
98-82-8	Isopropylbenzene	3.4	U	0.66	3.4
79-34-5	1,1,2,2-Tetrachloroethane	3.4	U	0.49	3.4
541-73-1	1,3-Dichlorobenzene	3.4	U	0.51	3.4
106-46-7	1,4-Dichlorobenzene	3.4	U	0.54	3.4
95-50-1	1,2-Dichlorobenzene	3.4	U	0.38	3.4
96-12-8	1,2-Dibromo-3-Chloropropane	3.4	U	0.92	3.4
120-82-1	1,2,4-Trichlorobenzene	3.4	U	0.41	3.4
87-61-6	1,2,3-Trichlorobenzene	3.4	U	0.46	3.4
123-91-1	1,4-Dioxane	69	U	69	69

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-8

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water): SOIL Lab Sample ID: BF45212

Sample wt/vol: 7.55 (g/mL) g Lab File ID: 0925L22.D

Level: (low/med): Low Date Received: 09/25/13

% Moisture: not dec. 4 Date Analyzed: 09/26/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L22.D Vial: 22
Acq On : 26 Sep 2013 3:15 am Operator:
Sample : BF45212 Inst : Instrumen
Misc : FM-8 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 06:27:10 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Wed Sep 25 06:40:59 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	155064	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	301283	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	281191	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.61	152	131386	50.00	ug/l	0.00
64) Dioxane-d8	3.74	96	4290	50.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.86	192	13909	55.43	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 110.86%			
37) % Toluene-d8	4.10	98	379656	49.13	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.26%			
53) % Bromofluorobenzene	5.82	95	132931	44.40	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 88.80%			
55) % 1,2-dichlorobenzene-d4	6.91	152	118936	51.78	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 103.56%			
Target Compounds						Qvalue
~~11) Acetone~~	~~2.06~~	~~43~~	~~8050~~	~~4.55~~	~~ug/l~~	~~96~~
~~14) METHYLACETATE~~	~~2.10~~	~~43~~	~~6569~~	~~4.52~~	~~ug/l #~~	~~83~~

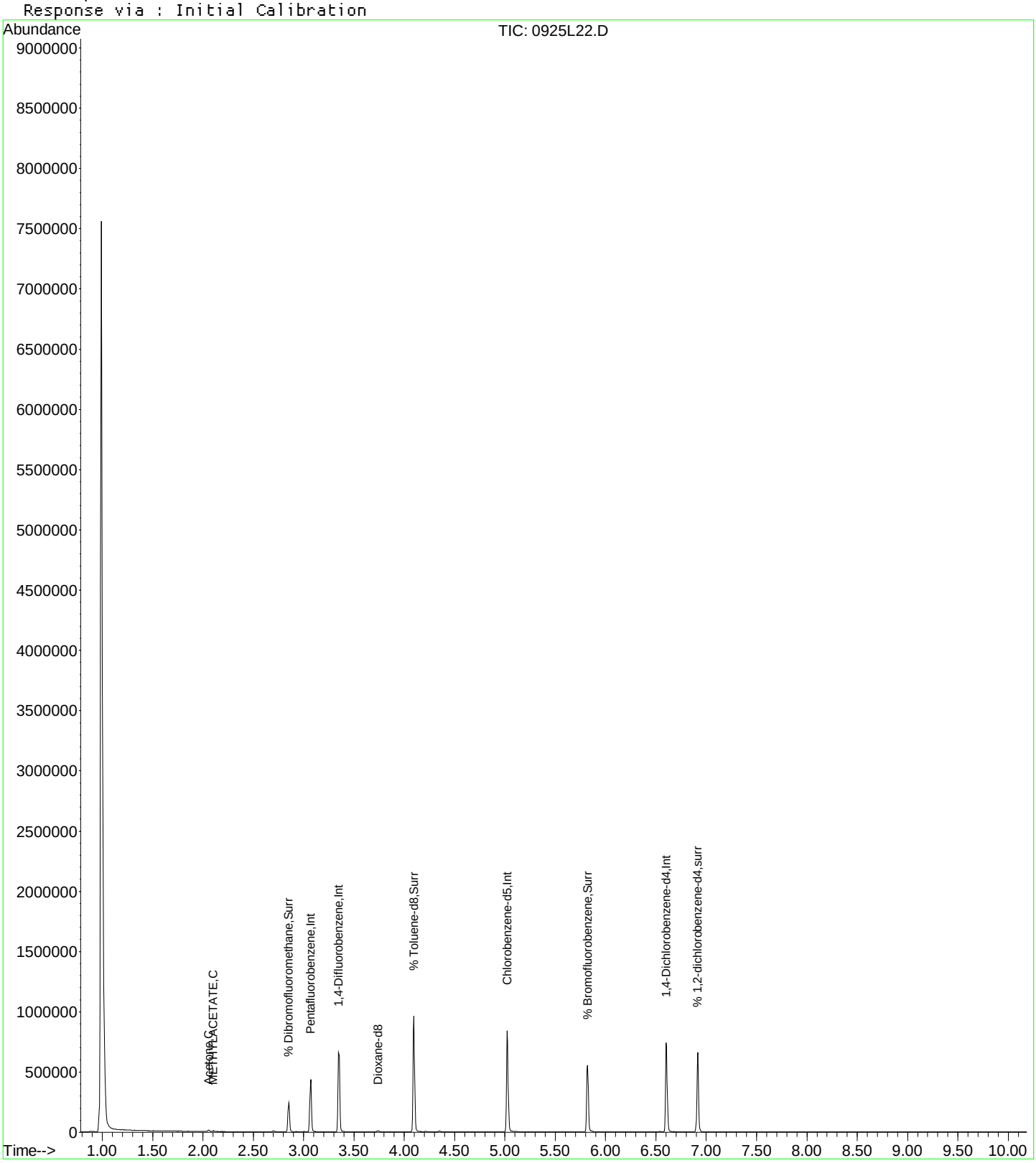
(#) = qualifier out of range (m) = manual integration
0925L22.D TCLSNJD_0924.M Fri Oct 04 08:27:11 2013 Page 1

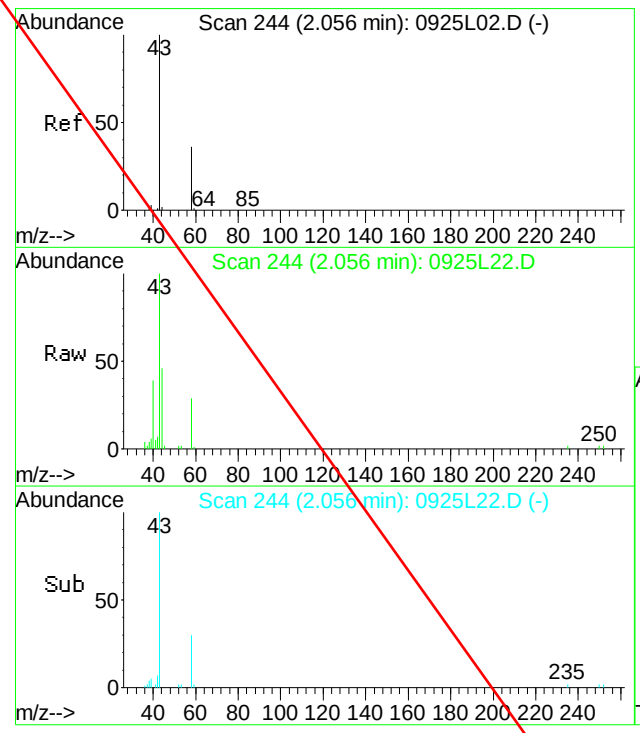
JC 10/04/13

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L22.D Vial: 22
Acq On : 26 Sep 2013 3:15 am Operator:
Sample : BF45212 Inst : Instrumen
Misc : FM-8 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 7:02 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 04 08:21:50 2013
Response via : Initial Calibration

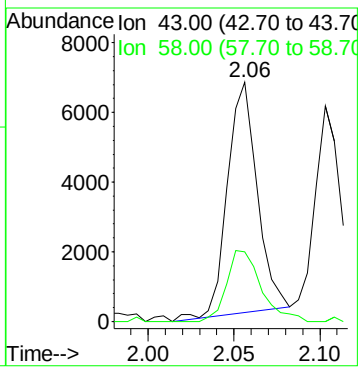


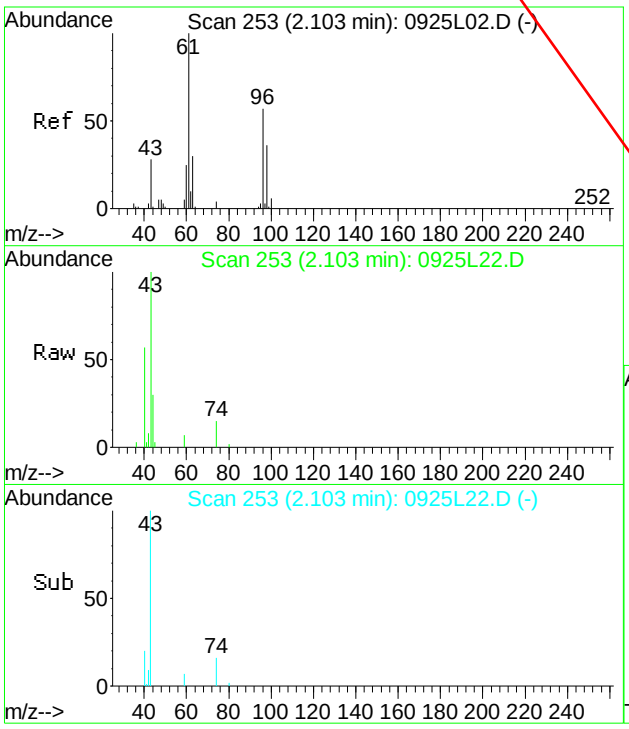


#11
Acetone
Concen: 4.55 ug/l
RT: 2.06 min Scan# 244
Delta R.T. 0.00 min
Lab File: 0925L22.D
Acq: 26 Sep 2013 3:15 am

Tgt Ion: 43 Resp: 8050

Ion	Ratio	Lower	Upper
43	100		
58	35.4	30.4	45.6

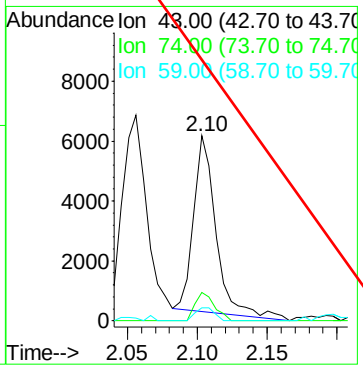




#14
METHYLACETATE
Concen: 4.52 ug/l
RT: 2.10 min Scan# 253
Delta R.T. 0.00 min
Lab File: 0925L22.D
Acq: 26 Sep 2013 3:15 am

Tgt Ion: 43 Resp: 6569

Ion	Ratio	Lower	Upper
43	100		
74	14.1	13.2	19.8
59	6.3	14.9	22.3#



CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

FM-9

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45214

Sample wt/vol: 7.3 (g/mL) g Lab File ID: 0925L23.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: 6 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	3.6	U	0.96	3.6
74-87-3	Chloromethane	3.6	U	1.9	3.6
75-01-4	Vinyl Chloride	3.6	U	1.2	3.6
74-83-9	Bromomethane	3.6	U	2.8	3.6
75-00-3	Chloroethane	3.6	U	0.85	3.6
75-69-4	Trichlorofluoromethane	3.6	U	0.80	3.6
75-35-4	1,1-Dichloroethene	3.6	U	0.79	3.6
76-13-1	Trichlorotrifluoroethane	3.6	U	0.56	3.6
67-64-1	Acetone	36	U	3.6	36
75-15-0	Carbon Disulfide	3.6	U	0.59	3.6
75-09-2	Methylene Chloride	3.6	U	0.59	3.6
79-20-9	METHYLACETATE	3.6	U	3.6	3.6
156-60-5	Trans-1,2-Dichloroethene	3.6	U	0.72	3.6
75-34-3	1,1-Dichloroethane	3.6	U	0.72	3.6
156-59-2	Cis-1,2-Dichloroethene	3.6	U	0.79	3.6
78-93-3	Methyl Ethyl Ketone	22	U	3.1	22
74-97-5	Bromochloromethane	3.6	U	0.53	3.6
110-82-7	CYCLOHEXANE	3.6	U	3.6	3.6
67-66-3	Chloroform	3.6	U	0.66	3.6
71-55-6	1,1,1-Trichloroethane	3.6	U	0.72	3.6
1634-04-4	Methyl t-Butyl Ether (MTBE)	7.2	U	1.0	7.2
56-23-5	Carbon Tetrachloride	3.6	U	0.42	3.6
71-43-2	Benzene	3.6	U	0.72	3.6
107-06-2	1,2-Dichloroethane	3.6	U	0.32	3.6
108-87-2	METHYLCYCLOHEXANE	3.6	U	3.6	3.6
79-01-6	Trichloroethene	3.6	U	0.77	3.6
78-87-5	1,2-dichloropropane	3.6	U	0.51	3.6
75-27-4	Bromodichloromethane	3.6	U	0.45	3.6
10061-01-5	cis-1,3-Dichloropropene	3.6	U	0.39	3.6
108-10-1	4-Methyl-2-Pentanone	18	U	0.86	18
108-88-3	Toluene	3.6	U	0.57	3.6
10061-02-6	trans-1,3-Dichloropropene	3.6	U	0.74	3.6
79-00-5	1,1,2-Trichloroethane	3.6	U	0.35	3.6
106-93-4	1,2-Dibromoethane	3.6	U	0.96	3.6
127-18-4	Tetrachloroethene	3.6	U	0.76	3.6
591-78-6	2-Hexanone	18	U	1.6	18

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

FM-9

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45214

Sample wt/vol: 7.3 (g/mL) g Lab File ID: 0925L23.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: 6 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	3.6	U	0.41	3.6
108-90-7	Chlorobenzene	3.6	U	0.54	3.6
100-41-4	Ethylbenzene	3.6	U	0.66	3.6
179601-23-1	m&p-Xylene	3.6	U	1.4	3.6
95-47-6	o-Xylene	3.6	U	1.4	3.6
100-42-5	Styrene	3.6	U	1.0	3.6
75-25-2	Bromoform	3.6	U	0.51	3.6
98-82-8	Isopropylbenzene	3.6	U	0.69	3.6
79-34-5	1,1,2,2-Tetrachloroethane	3.6	U	0.51	3.6
541-73-1	1,3-Dichlorobenzene	3.6	U	0.54	3.6
106-46-7	1,4-Dichlorobenzene	3.6	U	0.57	3.6
95-50-1	1,2-Dichlorobenzene	3.6	U	0.40	3.6
96-12-8	1,2-Dibromo-3-Chloropropane	3.6	U	0.97	3.6
120-82-1	1,2,4-Trichlorobenzene	3.6	U	0.43	3.6
87-61-6	1,2,3-Trichlorobenzene	3.6	U	0.48	3.6
123-91-1	1,4-Dioxane	72	U	72	72

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: FM-9

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water): SOIL Lab Sample ID: BF45214

Sample wt/vol: 7.3 (g/mL) g Lab File ID: 0925L23.D

Level: (low/med): Low Date Received: 09/25/13

% Moisture: not dec. 6 Date Analyzed: 09/26/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L23.D Vial: 23
Acq On : 26 Sep 2013 3:37 am Operator:
Sample : BF45214 Inst : Instrumen
Misc : FM-9 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 06:27:11 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Wed Sep 25 06:40:59 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	154529	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	291945	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	276710	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.60	152	136557	50.00	ug/l	0.00
64) Dioxane-d8	3.73	96	4619	50.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.86	192	13125	52.49	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 104.98%			
37) % Toluene-d8	4.10	98	375284	50.12	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.24%			
53) % Bromofluorobenzene	5.82	95	135236	45.90	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 91.80%			
55) % 1,2-dichlorobenzene-d4	6.91	152	120749	50.58	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.16%			
Target Compounds						Qvalue
~~11) Acetone~~	~~2.06~~	~~43~~	~~8315~~	~~4.71~~	~~ug/l~~	~~91~~

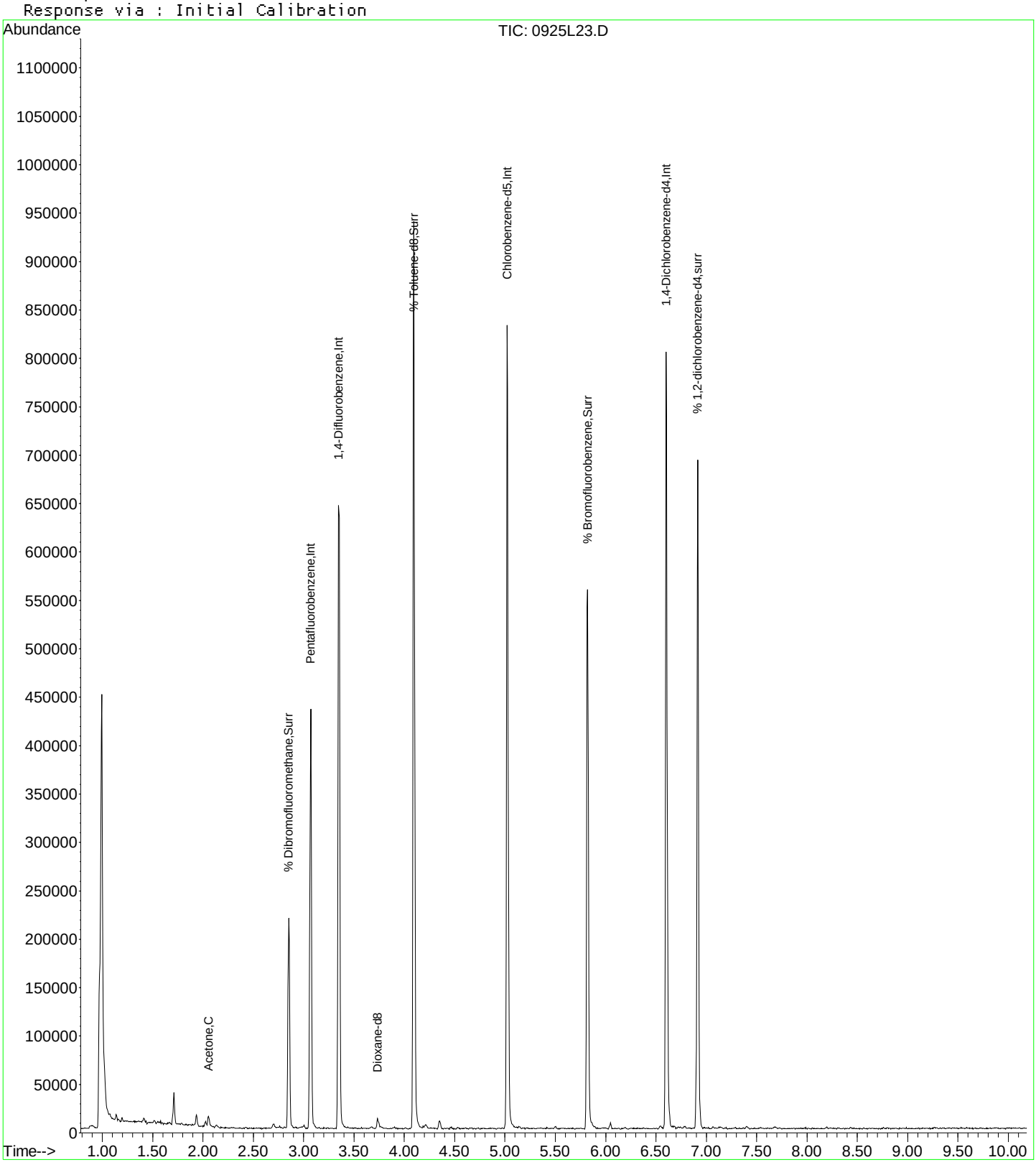
(#) = qualifier out of range (m) = manual integration
0925L23.D TCLSNJD_0924.M Fri Oct 04 08:27:25 2013 Page 1

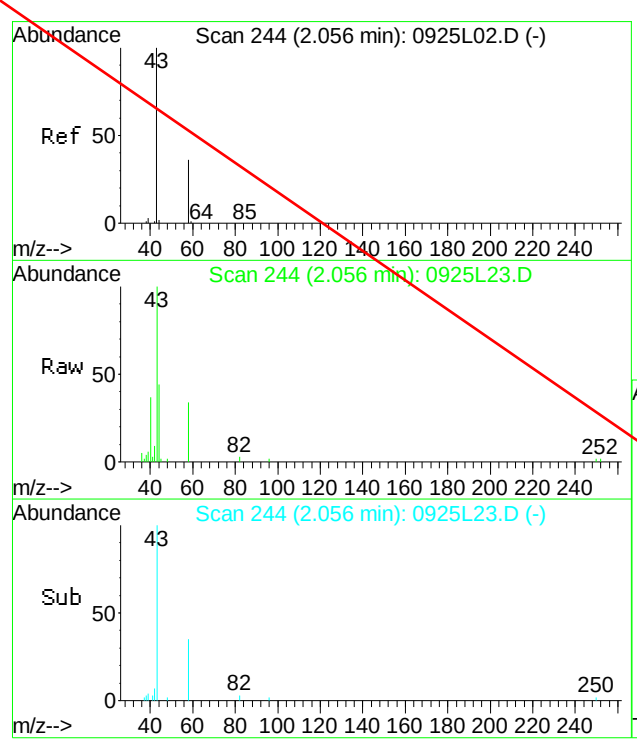
JC 10/04/13

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L23.D Vial: 23
Acq On : 26 Sep 2013 3:37 am Operator:
Sample : BF45214 Inst : Instrumen
Misc : FM-9 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 7:02 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 04 08:21:50 2013
Response via : Initial Calibration

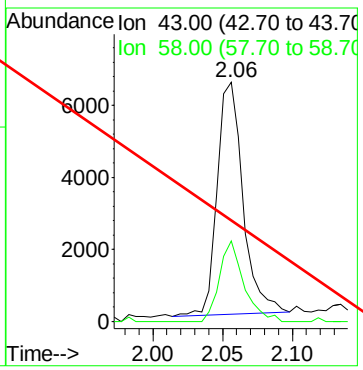




#11
Acetone
Concen: 4.71 ug/l
RT: 2.06 min Scan# 244
Delta R.T. -0.00 min
Lab File: 0925L23.D
Acq: 26 Sep 2013 3:37 am

Tgt Ion: 43 Resp: 8315

Ion	Ratio	Lower	Upper
43	100		
58	32.7	30.4	45.6



CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45216

Sample wt/vol: 5.23 (g/mL) g Lab File ID: 0925L24.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: 4 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	5.0	U	1.3	5.0
74-87-3	Chloromethane	5.0	U	2.6	5.0
75-01-4	Vinyl Chloride	5.0	U	1.6	5.0
74-83-9	Bromomethane	5.0	U	3.9	5.0
75-00-3	Chloroethane	5.0	U	1.2	5.0
75-69-4	Trichlorofluoromethane	5.0	U	1.1	5.0
75-35-4	1,1-Dichloroethene	5.0	U	1.1	5.0
76-13-1	Trichlorotrifluoroethane	5.0	U	0.78	5.0
67-64-1	Acetone	50	U	5.0	50
75-15-0	Carbon Disulfide	5.0	U	0.81	5.0
75-09-2	Methylene Chloride	5.0	U	0.82	5.0
79-20-9	METHYLACETATE	5.0	U	5.0	5.0
156-60-5	Trans-1,2-Dichloroethene	5.0	U	1.0	5.0
75-34-3	1,1-Dichloroethane	5.0	U	0.99	5.0
156-59-2	Cis-1,2-Dichloroethene	5.0	U	1.1	5.0
78-93-3	Methyl Ethyl Ketone	30	U	4.3	30
74-97-5	Bromochloromethane	5.0	U	0.73	5.0
110-82-7	CYCLOHEXANE	5.0	U	5.0	5.0
67-66-3	Chloroform	5.0	U	0.91	5.0
71-55-6	1,1,1-Trichloroethane	5.0	U	1.0	5.0
1634-04-4	Methyl t-Butyl Ether (MTBE)	10	U	1.4	10
56-23-5	Carbon Tetrachloride	5.0	U	0.58	5.0
71-43-2	Benzene	5.0	U	0.99	5.0
107-06-2	1,2-Dichloroethane	5.0	U	0.44	5.0
108-87-2	METHYLCYCLOHEXANE	5.0	U	5.0	5.0
79-01-6	Trichloroethene	5.0	U	1.1	5.0
78-87-5	1,2-dichloropropane	5.0	U	0.71	5.0
75-27-4	Bromodichloromethane	5.0	U	0.62	5.0
10061-01-5	cis-1,3-Dichloropropene	5.0	U	0.54	5.0
108-10-1	4-Methyl-2-Pentanone	25	U	1.2	25
108-88-3	Toluene	5.0	U	0.79	5.0
10061-02-6	trans-1,3-Dichloropropene	5.0	U	1.0	5.0
79-00-5	1,1,2-Trichloroethane	5.0	U	0.49	5.0
106-93-4	1,2-Dibromoethane	5.0	U	1.3	5.0
127-18-4	Tetrachloroethene	5.0	U	1.1	5.0
591-78-6	2-Hexanone	25	U	2.3	25

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUPLICATE

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45216

Sample wt/vol: 5.23 (g/mL) g Lab File ID: 0925L24.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: 4 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	5.0	U	0.56	5.0
108-90-7	Chlorobenzene	5.0	U	0.74	5.0
100-41-4	Ethylbenzene	5.0	U	0.91	5.0
179601-23-1	m&p-Xylene	5.0	U	2.0	5.0
95-47-6	o-Xylene	5.0	U	1.9	5.0
100-42-5	Styrene	5.0	U	1.4	5.0
75-25-2	Bromoform	5.0	U	0.70	5.0
98-82-8	Isopropylbenzene	5.0	U	0.96	5.0
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	0.71	5.0
541-73-1	1,3-Dichlorobenzene	5.0	U	0.74	5.0
106-46-7	1,4-Dichlorobenzene	5.0	U	0.79	5.0
95-50-1	1,2-Dichlorobenzene	5.0	U	0.55	5.0
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	1.3	5.0
120-82-1	1,2,4-Trichlorobenzene	5.0	U	0.59	5.0
87-61-6	1,2,3-Trichlorobenzene	5.0	U	0.67	5.0
123-91-1	1,4-Dioxane	100	U	100	100

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: DUPLICATE

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water): SOIL Lab Sample ID: BF45216

Sample wt/vol: 5.23 (g/mL) g Lab File ID: 0925L24.D

Level: (low/med): Low Date Received: 09/25/13

% Moisture: not dec. 4 Date Analyzed: 09/26/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L24.D Vial: 24
Acq On : 26 Sep 2013 3:59 am Operator:
Sample : BF45216 Inst : Instrumen
Misc : DUPLICATE Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 06:27:12 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Wed Sep 25 06:40:59 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	131732	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	254313	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	230382	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.61	152	96985	50.00	ug/l	0.00
64) Dioxane-d8	3.73	96	3289	50.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.86	192	11809	55.40	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 110.80%			
37) % Toluene-d8	4.10	98	318050	48.76	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 97.52%			
53) % Bromofluorobenzene	5.82	95	105214	42.89	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 85.78%			
55) % 1,2-dichlorobenzene-d4	6.91	152	87098	51.37	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 102.74%			

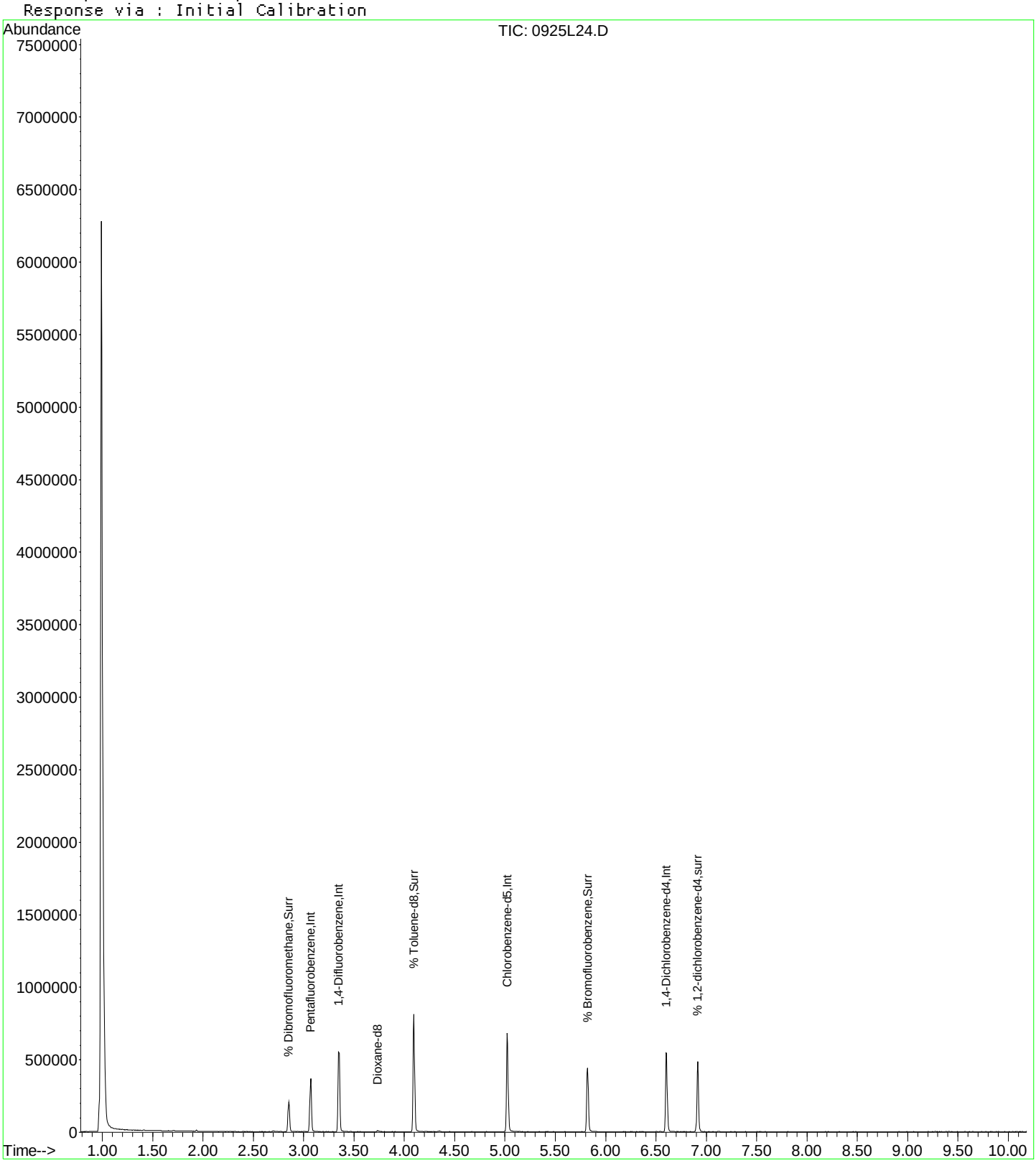
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L24.D Vial: 24
Acq On : 26 Sep 2013 3:59 am Operator:
Sample : BF45216 Inst : Instrumen
Misc : DUPLICATE Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 7:02 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration



CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK HL

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45217 50X

Sample wt/vol: 10 (g/mL) g Lab File ID: 0925L09.D

Level: (low/med/meth): Meth Date Received: 09/25/13

% Moisture: 0 Date Analyzed: 09/25/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 50

Soil Extract Volume 10000 (uL) pH: < 2 Soil Aliquot Vol: 100 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	250	U	67	250
74-87-3	Chloromethane	250	U	130	250
75-01-4	Vinyl Chloride	250	U	81	250
74-83-9	Bromomethane	250	U	190	250
75-00-3	Chloroethane	250	U	59	250
75-69-4	Trichlorofluoromethane	250	U	56	250
75-35-4	1,1-Dichloroethene	250	U	55	250
76-13-1	Trichlorotrifluoroethane	250	U	39	250
67-64-1	Acetone	2500	U	250	2500
75-15-0	Carbon Disulfide	250	U	41	250
75-09-2	Methylene Chloride	63	JS	41	250
79-20-9	METHYLACETATE	250	U	250	250
156-60-5	Trans-1,2-Dichloroethene	250	U	50	250
75-34-3	1,1-Dichloroethane	250	U	50	250
156-59-2	Cis-1,2-Dichloroethene	250	U	55	250
78-93-3	Methyl Ethyl Ketone	1500	U	220	1500
74-97-5	Bromochloromethane	250	U	37	250
110-82-7	CYCLOHEXANE	250	U	250	250
67-66-3	Chloroform	250	U	46	250
71-55-6	1,1,1-Trichloroethane	250	U	50	250
1634-04-4	Methyl t-Butyl Ether (MTBE)	500	U	69	500
56-23-5	Carbon Tetrachloride	250	U	29	250
71-43-2	Benzene	250	U	50	250
107-06-2	1,2-Dichloroethane	250	U	22	250
108-87-2	METHYLCYCLOHEXANE	250	U	250	250
79-01-6	Trichloroethene	250	U	53	250
78-87-5	1,2-dichloropropane	250	U	36	250
75-27-4	Bromodichloromethane	250	U	31	250
10061-01-5	cis-1,3-Dichloropropene	250	U	27	250
108-10-1	4-Methyl-2-Pentanone	1300	U	60	1300
108-88-3	Toluene	250	U	40	250
10061-02-6	trans-1,3-Dichloropropene	250	U	51	250
79-00-5	1,1,2-Trichloroethane	250	U	25	250
106-93-4	1,2-Dibromoethane	250	U	67	250
127-18-4	Tetrachloroethene	250	U	53	250
591-78-6	2-Hexanone	1300	U	110	1300

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK HL

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45217 50X

Sample wt/vol: 10 (g/mL) g Lab File ID: 0925L09.D

Level: (low/med/meth): Meth Date Received: 09/25/13

% Moisture: 0 Date Analyzed: 09/25/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 50

Soil Extract Volume 10000 (uL) pH: < 2 Soil Aliquot Vol: 100 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	250	U	28	250
108-90-7	Chlorobenzene	250	U	37	250
100-41-4	Ethylbenzene	250	U	46	250
179601-23-1	m&p-Xylene	250	U	99	250
95-47-6	o-Xylene	250	U	96	250
100-42-5	Styrene	250	U	72	250
75-25-2	Bromoform	250	U	35	250
98-82-8	Isopropylbenzene	250	U	48	250
79-34-5	1,1,2,2-Tetrachloroethane	250	U	36	250
541-73-1	1,3-Dichlorobenzene	250	U	37	250
106-46-7	1,4-Dichlorobenzene	250	U	40	250
95-50-1	1,2-Dichlorobenzene	250	U	28	250
96-12-8	1,2-Dibromo-3-Chloropropane	250	U	67	250
120-82-1	1,2,4-Trichlorobenzene	250	U	30	250
87-61-6	1,2,3-Trichlorobenzene	250	U	34	250
123-91-1	1,4-Dioxane	5000	U	5000	5000

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TRIP BLANK HL

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water): SOIL Lab Sample ID: BF45217

Sample wt/vol: 10 (g/mL) g Lab File ID: 0925L09.D

Level: (low/med): Meth Date Received: 09/25/13

% Moisture: not dec. 0 Date Analyzed: 09/25/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 50

Soil Extract Volume: 10000 (uL) Soil Aliquot Vol (uL): 100

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

Quantitation Report (LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L09.D Vial: 9
Acq On : 25 Sep 2013 10:28 pm Operator:
Sample : BF45217 50X Inst : Instrumen
Misc : TRIP BLANK HL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 06:26:57 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Wed Sep 25 06:40:59 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	179502	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	330502	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	315599	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.60	152	157042	50.00	ug/l	0.00
64) Dioxane-d8	3.74	96	7143	50.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.85	192	14299	49.23	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.46%			
37) % Toluene-d8	4.09	98	422910	49.89	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.78%			
53) % Bromofluorobenzene	5.82	95	158042	47.03	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 94.06%			
55) % 1,2-dichlorobenzene-d4	6.91	152	138988	50.63	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.26%			
Target Compounds						Qvalue
13) Methylene Chloride	2.02	84	4012m	1.26	ug/l	
~~43) Tetrachloroethene~~	~~4.35~~	~~164~~	~~2549~~	~~0.90~~	~~ug/l~~	~~92~~

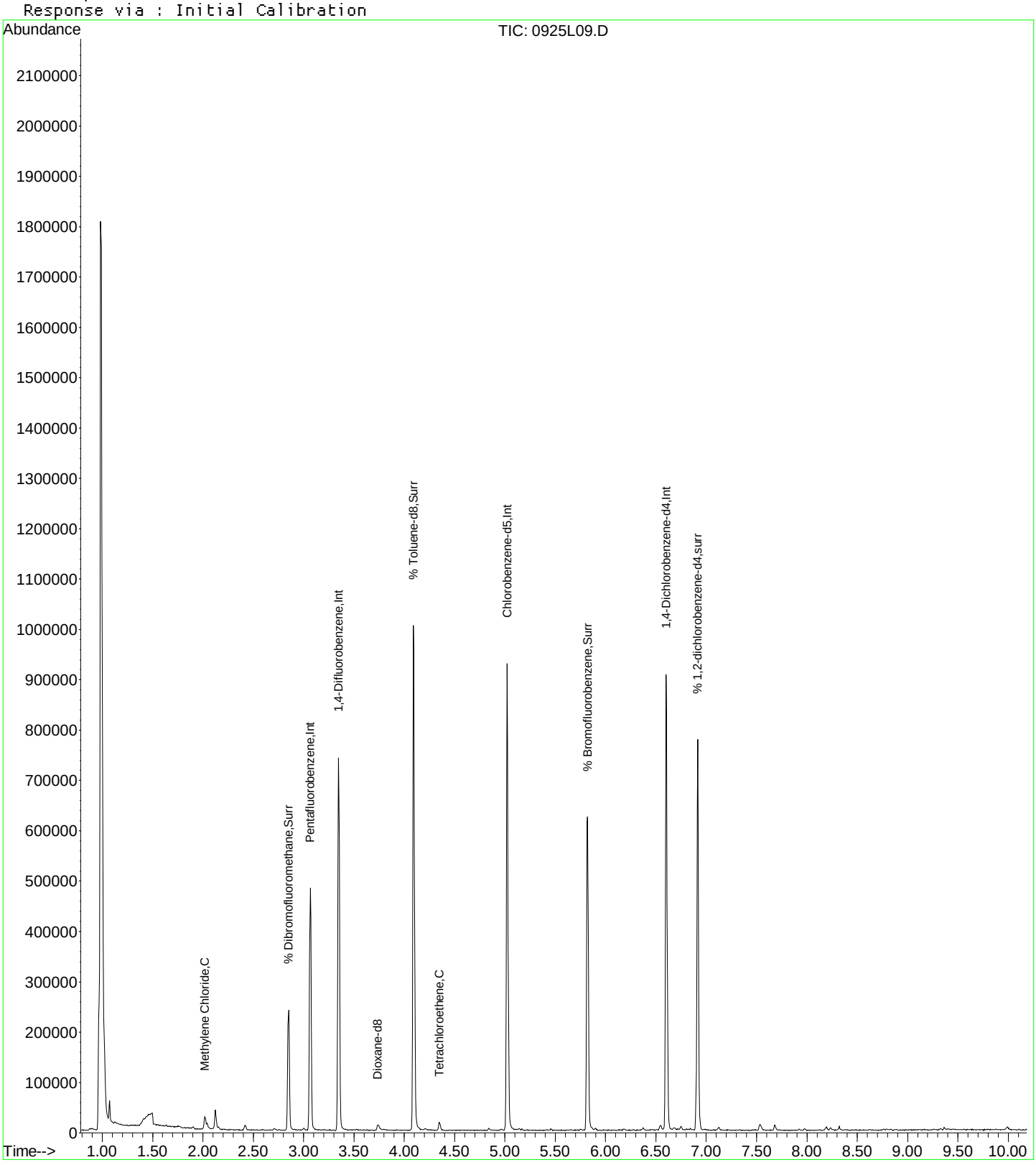
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0925L09.D TCLSNJD_0924.M Fri Oct 04 08:25:12 2013 Page 1

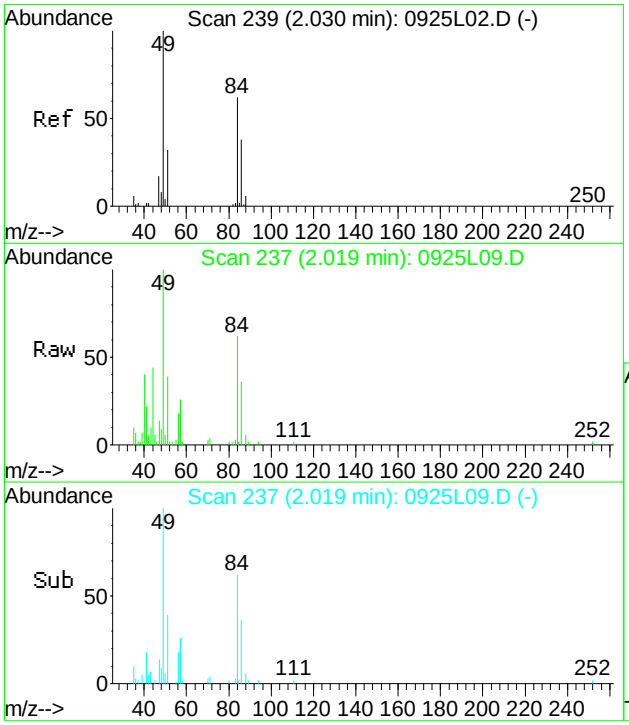
JC 10/04/13

Quantitation Report (LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L09.D Vial: 9
Acq On : 25 Sep 2013 10:28 pm Operator:
Sample : BF45217 50X Inst : Instrumen
Misc : TRIP BLANK HL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 6:39 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 04 08:21:50 2013
Response via : Initial Calibration

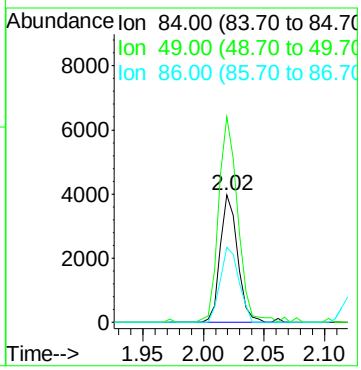


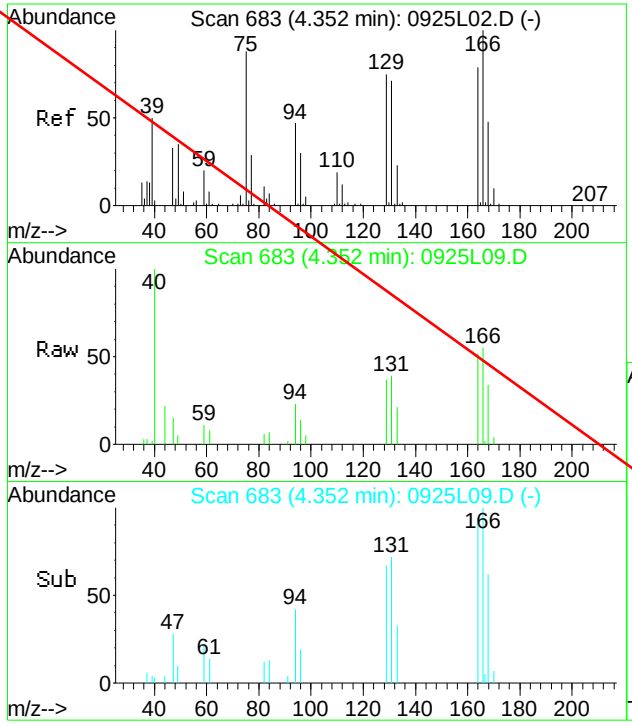


#13
Methylene Chloride
Concen: 1.26 ug/l m
RT: 2.02 min Scan# 237
Delta R.T. -0.01 min
Lab File: 0925L09.D
Acq: 25 Sep 2013 10:28 pm

Tgt Ion: 84 Resp: 4012

Ion	Ratio	Lower	Upper
84	100		
49	161.7	161.1	201.1
86	58.8	41.4	81.4

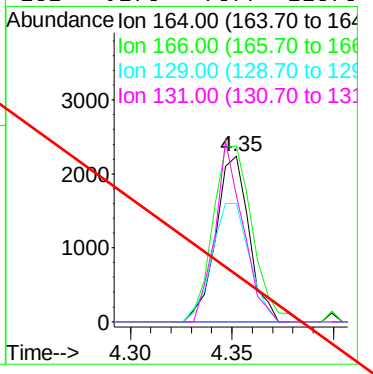




#43
Tetrachloroethene
Concen: 0.90 ug/l
RT: 4.35 min Scan# 683
Delta R.T. 0.00 min
Lab File: 0925L09.D
Acq: 25 Sep 2013 10:28 pm

Tgt Ion:164 Resp: 2549

Ion	Ratio	Lower	Upper
164	100		
166	125.1	102.3	153.5
129	80.6	79.2	118.8
131	91.6	75.7	113.5



CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK LL

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45218

Sample wt/vol: 5 (g/mL) g Lab File ID: 0925L10.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: 0 Date Analyzed: 09/25/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	5.0	U	1.3	5.0
74-87-3	Chloromethane	5.0	U	2.6	5.0
75-01-4	Vinyl Chloride	5.0	U	1.6	5.0
74-83-9	Bromomethane	5.0	U	3.9	5.0
75-00-3	Chloroethane	5.0	U	1.2	5.0
75-69-4	Trichlorofluoromethane	5.0	U	1.1	5.0
75-35-4	1,1-Dichloroethene	5.0	U	1.1	5.0
76-13-1	Trichlorotrifluoroethane	5.0	U	0.78	5.0
67-64-1	Acetone	11	JS	5.0	50
75-15-0	Carbon Disulfide	5.0	U	0.81	5.0
75-09-2	Methylene Chloride	5.0	U	0.82	5.0
79-20-9	METHYLACETATE	5.0	U	5.0	5.0
156-60-5	Trans-1,2-Dichloroethene	5.0	U	1.0	5.0
75-34-3	1,1-Dichloroethane	5.0	U	0.99	5.0
156-59-2	Cis-1,2-Dichloroethene	5.0	U	1.1	5.0
78-93-3	Methyl Ethyl Ketone	30	U	4.3	30
74-97-5	Bromochloromethane	5.0	U	0.73	5.0
110-82-7	CYCLOHEXANE	5.0	U	5.0	5.0
67-66-3	Chloroform	5.0	U	0.91	5.0
71-55-6	1,1,1-Trichloroethane	5.0	U	1.0	5.0
1634-04-4	Methyl t-Butyl Ether (MTBE)	10	U	1.4	10
56-23-5	Carbon Tetrachloride	5.0	U	0.58	5.0
71-43-2	Benzene	5.0	U	0.99	5.0
107-06-2	1,2-Dichloroethane	5.0	U	0.44	5.0
108-87-2	METHYLCYCLOHEXANE	5.0	U	5.0	5.0
79-01-6	Trichloroethene	5.0	U	1.1	5.0
78-87-5	1,2-dichloropropane	5.0	U	0.71	5.0
75-27-4	Bromodichloromethane	5.0	U	0.62	5.0
10061-01-5	cis-1,3-Dichloropropene	5.0	U	0.54	5.0
108-10-1	4-Methyl-2-Pentanone	25	U	1.2	25
108-88-3	Toluene	5.0	U	0.79	5.0
10061-02-6	trans-1,3-Dichloropropene	5.0	U	1.0	5.0
79-00-5	1,1,2-Trichloroethane	5.0	U	0.49	5.0
106-93-4	1,2-Dibromoethane	5.0	U	1.3	5.0
127-18-4	Tetrachloroethene	5.0	U	1.1	5.0
591-78-6	2-Hexanone	25	U	2.3	25

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK LL

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF45218

Sample wt/vol: 5 (g/mL) g Lab File ID: 0925L10.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: 0 Date Analyzed: 09/25/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	5.0	U	0.56	5.0
108-90-7	Chlorobenzene	5.0	U	0.74	5.0
100-41-4	Ethylbenzene	5.0	U	0.91	5.0
179601-23-1	m&p-Xylene	5.0	U	2.0	5.0
95-47-6	o-Xylene	5.0	U	1.9	5.0
100-42-5	Styrene	5.0	U	1.4	5.0
75-25-2	Bromoform	5.0	U	0.70	5.0
98-82-8	Isopropylbenzene	5.0	U	0.96	5.0
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	0.71	5.0
541-73-1	1,3-Dichlorobenzene	5.0	U	0.74	5.0
106-46-7	1,4-Dichlorobenzene	5.0	U	0.79	5.0
95-50-1	1,2-Dichlorobenzene	5.0	U	0.55	5.0
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	1.3	5.0
120-82-1	1,2,4-Trichlorobenzene	5.0	U	0.59	5.0
87-61-6	1,2,3-Trichlorobenzene	5.0	U	0.67	5.0
123-91-1	1,4-Dioxane	100	U	100	100

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: TRIP BLANK LL

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water): SOIL Lab Sample ID: BF45218

Sample wt/vol: 5 (g/mL) g Lab File ID: 0925L10.D

Level: (low/med): Low Date Received: 09/25/13

% Moisture: not dec. 0 Date Analyzed: 09/25/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L10.D Vial: 10
Acq On : 25 Sep 2013 10:50 pm Operator:
Sample : BF45218 Inst : Instrumen
Misc : TRIP BLANK LL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 06:26:58 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Wed Sep 25 06:40:59 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	200003	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	372597	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	356061	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.61	152	173592	50.00	ug/l	0.00
64) Dioxane-d8	3.73	96	4537	50.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.85	192	16826	51.99	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 103.98%			
37) % Toluene-d8	4.10	98	479580	50.18	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.36%			
53) % Bromofluorobenzene	5.82	95	175626	46.33	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 92.66%			
55) % 1,2-dichlorobenzene-d4	6.91	152	152272	50.18	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.36%			
Target Compounds						Qvalue
11) Acetone	2.06	43	24615	10.78	ug/l	99
~~43) Tetrachloroethene~~	~~4.35~~	~~164~~	~~2325~~	~~0.73~~	~~ug/l~~	~~98~~

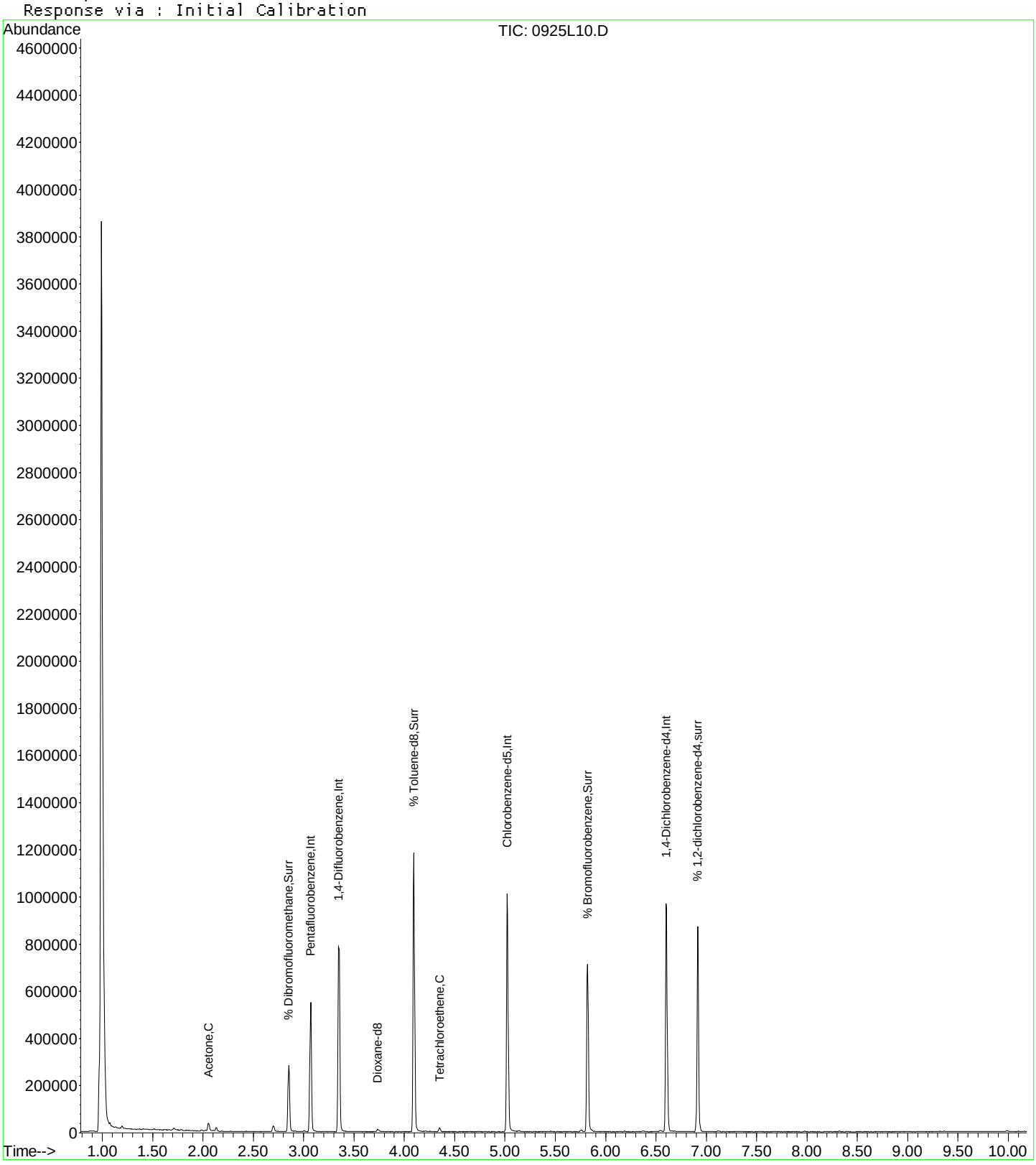
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0925L10.D TCLSNJD_0924.M Fri Oct 04 08:25:25 2013 Page 1

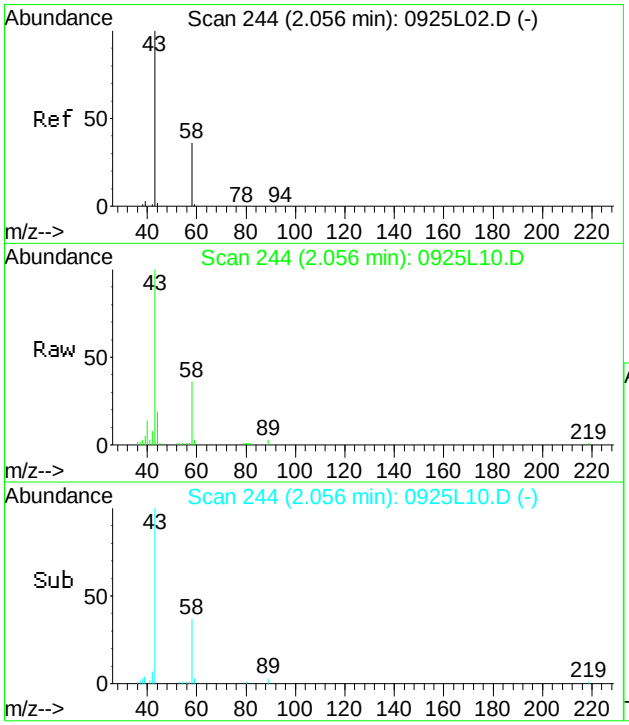
JC 10/04/13

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L10.D Vial: 10
Acq On : 25 Sep 2013 10:50 pm Operator:
Sample : BF45218 Inst : Instrumen
Misc : TRIP BLANK LL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 6:39 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 04 08:21:50 2013
Response via : Initial Calibration

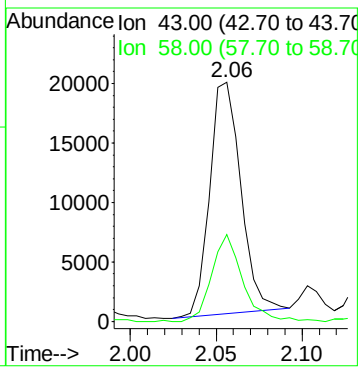


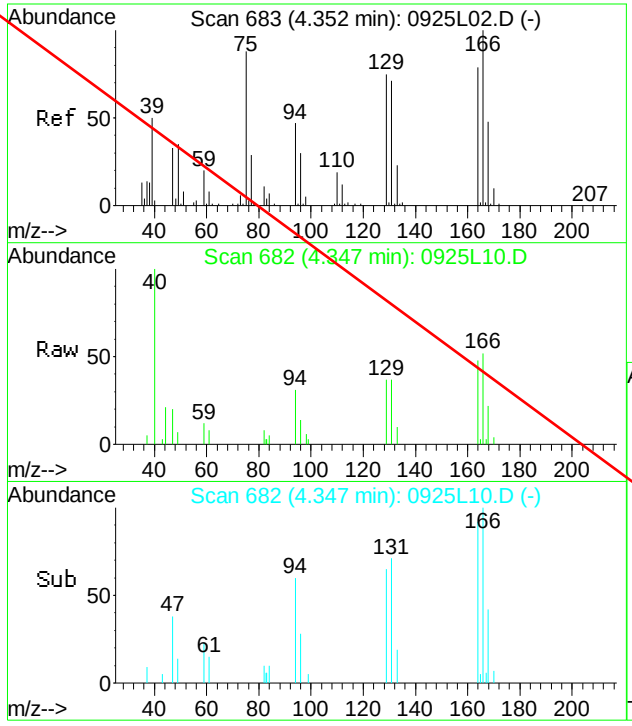


#11
Acetone
Concen: 10.78 ug/l
RT: 2.06 min Scan# 244
Delta R.T. -0.00 min
Lab File: 0925L10.D
Acq: 25 Sep 2013 10:50 pm

Tgt Ion: 43 Resp: 24615

Ion	Ratio	Lower	Upper
43	100		
58	37.4	30.4	45.6

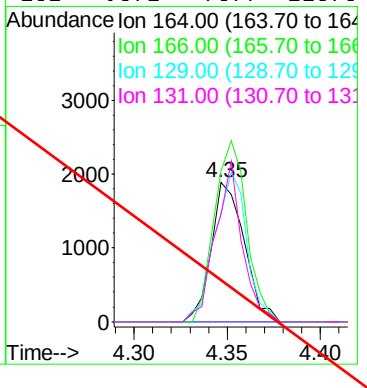




#43
Tetrachloroethene
Concen: 0.73 ug/l
RT: 4.35 min Scan# 682
Delta R.T. -0.01 min
Lab File: 0925L10.D
Acq: 25 Sep 2013 10:50 pm

Tgt Ion:164 Resp: 2325

Ion	Ratio	Lower	Upper
164	100		
166	126.9	102.3	153.5
129	104.1	79.2	118.8
131	93.2	75.7	113.5



6B
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument ID: CHEM03 Calibration Date(s): 09/24/13 09/24/13

Heated Purge (Y/N): Y Calibration Time(s): 13:30 15:21

GC Column: rtx-vms

LAB FILE ID:

RRF5 = 0924L10.D RRF10 = 0924L11.D RRF20 = 0924L12.D
RRF50 = 0924L13.D RRF100 = 0924L14.D RRF150 = 0924L15.D

COMPOUND		RRF5	RRF10	RRF20	RRF50	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane		0.832	0.900	0.835	1.002	0.807	0.792	0.861	9.1
Chloromethane		1.720	1.677	1.659	1.984	1.619	1.689	1.725	7.6
Vinyl Chloride		1.461	1.560	1.456	1.775	1.479	1.536	1.544	7.8
Bromomethane		0.717	0.741	0.716	0.868	0.716	0.739	0.749	7.9
Chloroethane		0.879	0.858	0.839	0.979	0.813	0.691	0.843	11.1
Trichlorofluoromethane		1.452	1.536	1.448	1.765	1.434	1.461	1.516	8.4
1,1-Dichloroethene		0.828	0.902	0.855	1.026	0.853	0.885	0.892	7.9
Trichlorotrifluoroethane		0.829	0.917	0.835	1.011	0.849	0.820	0.877	8.5
Acetone		0.805	0.573	0.549	0.573	0.457	0.469	0.571	22.0
Carbon Disulfide		2.751	3.036	2.984	3.617	3.050	3.178	3.102	9.3
Methylene Chloride		0.939	0.872	0.841	0.989	0.815	0.852	0.885	7.5
METHYLACETATE		0.445	0.414	0.448	0.546	0.464	0.492	0.468	9.8
Trans-1,2-Dichloroethene		0.913	1.001	0.949	1.157	0.965	1.005	0.998	8.5
1,1-Dichloroethane		2.045	2.120	2.013	2.441	2.021	2.122	2.127	7.6
Cis-1,2-Dichloroethene		1.055	1.033	1.006	1.210	1.010	1.070	1.064	7.1
Methyl Ethyl Ketone		0.640	0.866	0.869	1.005	0.844	0.868	0.849	13.9
Bromochloromethane		0.396	0.372	0.367	0.443	0.361	0.378	0.386	7.9
CYCLOHEXANE		2.628	2.919	2.779	3.408	2.851	2.904	2.915	9.1
Chloroform		1.836	1.840	1.775	2.148	1.775	1.857	1.872	7.5
1,1,1-Trichloroethane		1.553	1.607	1.569	1.914	1.601	1.687	1.655	8.1
Methyl t-Butyl Ether (MTBE)		0.955	0.919	0.913	1.099	0.937	1.011	0.972	7.3
Carbon Tetrachloride		0.587	0.621	0.610	0.760	0.649	0.701	0.655	9.9
Benzene		2.290	2.341	2.277	2.771	2.336	2.490	2.417	7.8
1,2-Dichloroethane		0.636	0.647	0.620	0.757	0.629	0.669	0.660	7.7
METHYLCYCLOHEXANE		1.129	1.248	1.159	1.419	1.236	1.209	1.233	8.2
Trichloroethene		0.528	0.558	0.541	0.635	0.549	0.570	0.563	6.7
1,2-dichloropropane		0.592	0.585	0.578	0.702	0.592	0.638	0.614	7.8
Bromodichloromethane		0.622	0.649	0.648	0.800	0.680	0.728	0.688	9.6
cis-1,3-Dichloropropene		0.646	0.673	0.677	0.866	0.754	0.817	0.739	12.0
4-Methyl-2-Pentanone		0.419	0.620	0.639	0.804	0.695	0.714	0.648	20.0
Toluene		2.387	2.401	2.373	2.852	2.412	2.574	2.500	7.5
trans-1,3-Dichloropropene		0.499	0.531	0.557	0.717	0.623	0.676	0.600	14.3
1,1,2-Trichloroethane		0.342	0.335	0.342	0.408	0.337	0.365	0.355	7.9
1,2-Dibromoethane		0.314	0.291	0.292	0.357	0.306	0.330	0.315	8.0

* The minimum RRF was not met for this compound.
# The minimum RRF was not met for all points for this compound, but the average was achieved.

FORM VI VOA

6C
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument ID: CHEM03 Calibration Date(s): 09/24/13 09/24/13

Heated Purge (Y/N): Y Calibration Time(s): 13:30 15:21

GC Column: rtx-vms

LAB FILE ID:

RRF5 = 0924L10.D RRF10 = 0924L11.D RRF20 = 0924L12.D
RRF50 = 0924L13.D RRF100 = 0924L14.D RRF150 = 0924L15.D

COMPOUND		RRF5	RRF10	RRF20	RRF50	RRF100	RRF150	$\overline{RRF}$	% RSD
Tetrachloroethene		0.413	0.454	0.433	0.504	0.440	0.450	0.449	6.9
2-Hexanone		0.484	0.669	0.717	0.872	0.754	0.788	0.714	18.5
Dibromochloromethane		0.388	0.382	0.395	0.489	0.417	0.450	0.420	9.9
Chlorobenzene		1.487	1.540	1.488	1.785	1.503	1.579	1.564	7.3
Ethylbenzene		2.843	3.070	3.039	3.583	3.072	3.246	3.142	8.0
m&p-Xylene		1.052	1.114	1.096	1.296	1.107	1.154	1.136	7.5
o-Xylene		0.912	0.992	1.012	1.252	1.067	1.133	1.061	11.2
Styrene		1.492	1.444	1.491	1.816	1.556	1.640	1.573	8.7
Bromoform		0.200	0.178	0.192	0.246	0.209	0.231	0.209	12.0
Isopropylbenzene		4.846	5.396	5.348	6.414	5.439	5.654	5.516	9.3
1,1,2,2-Tetrachloroethane		0.898	0.831	0.824	0.964	0.800	0.836	0.859	7.1
1,3-Dichlorobenzene		1.811	1.936	1.892	2.239	1.915	2.025	1.970	7.6
1,4-Dichlorobenzene		1.953	2.022	1.940	2.220	1.908	1.975	2.003	5.6
1,2-Dichlorobenzene		1.806	1.820	1.764	2.091	1.747	1.834	1.844	6.8
1,2-Dibromo-3-Chloropropane		0.126	0.122	0.125	0.151	0.131	0.140	0.132	8.4
1,2,4-Trichlorobenzene		0.984	1.041	0.982	1.169	1.011	1.062	1.041	6.7
1,2,3-Trichlorobenzene		0.967	0.958	0.951	1.113	0.939	0.983	0.985	6.6
1,4-Dioxane		1.241	1.382	1.230	1.808	1.557	1.709	1.488	16.3
% 1,2-dichlorobenzene-d4		0.885	0.879	0.872	0.869	0.863	0.877	0.874	0.9
% Bromofluorobenzene		0.528	0.526	0.529	0.525	0.546	0.541	0.532	1.7
% Dibromofluoromethane		0.084	0.083	0.080	0.082	0.078	0.078	0.081	3.2
% Toluene-d8		1.283	1.257	1.274	1.278	1.290	1.312	1.283	1.4

* The minimum RRF was not met for this compound.
# The minimum RRF was not met for all points for this compound, but the average was achieved.

FORM VI VOA

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092413\0924L10.D Vial: 16
Acq On : 24 Sep 2013 1:30 pm Operator:
Sample : TCL 5-PPB Inst : Instrumen
Misc : ICAL 5.0 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 25 04:57:00 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 24 21:41:25 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	3.07	168	182099	50.00	ug/l		0.00
26) 1,4-Difluorobenzene	3.35	114	341205	50.00	ug/l		0.00
42) Chlorobenzene-d5	5.02	117	309949	50.00	ug/l		0.00
54) 1,4-Dichlorobenzene-d4	6.60	152	157346	50.00	ug/l		0.00
64) Dioxane-d8	3.73	96	6891	500.00	ug/l		0.00
System Monitoring Compounds							
24) % Dibromofluoromethane	2.85	192	15336	52.05	ug/l		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 104.10%				
37) % Toluene-d8	4.10	98	437887	50.03	ug/l		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.06%				
53) % Bromofluorobenzene	5.82	95	163529	49.55	ug/l		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.10%				
55) % 1,2-dichlorobenzene-d4	6.91	152	139300	50.64	ug/l		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.28%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.08	85	15142	4.83	ug/l		98
3) Chloromethane	1.18	50	31321	4.99	ug/l		98
4) Vinyl Chloride	1.22	62	26597	4.73	ug/l		99
5) Bromomethane	1.39	94	13052	4.78	ug/l		99
6) Chloroethane	1.45	64	15998	5.21	ug/l		99
7) Trichlorofluoromethane	1.52	101	26444	4.79	ug/l		100
8) 1,1-Dichloroethene	1.76	96	15082	4.64	ug/l		93
9) Trichlorotrifluoroethane	1.77	101	15086	4.73	ug/l		99
10) Acrolein	1.92	56	10459	27.85	ug/l		95
11) Acetone	2.06	43	14658	7.05	ug/l		92
12) Carbon Disulfide	1.78	76	50092	4.43	ug/l		99
13) Methylene Chloride	2.03	84	17100	5.31	ug/l		96
14) METHYLACETATE	2.10	43	8101	4.75	ug/l		96
15) Trans-1,2-Dichloroethene	2.10	96	16626	4.57	ug/l		93
16) Acrylonitrile	2.42	53	21477	25.58	ug/l		97
17) tert-butanol	2.19	59	9258	51.73	ug/l		100
18) 1,1-Dichloroethane	2.39	63	37246	4.81	ug/l		98
19) Cis-1,2-Dichloroethene	2.64	96	19208	4.96	ug/l		96
20) Methyl Ethyl Ketone	2.91	43	11657	3.77	ug/l		99
21) Bromochloromethane	2.74	128	7212	5.13	ug/l		96
22) CYCLOHEXANE	2.75	56	47860	4.51	ug/l		94
23) Chloroform	2.76	83	33432	4.90	ug/l		100
25) 1,1,1-Trichloroethane	2.87	97	28284	4.69	ug/l		97
27) Methyl t-Butyl Ether (MTBE	2.16	73	32592	4.91	ug/l	#	81
28) Carbon Tetrachloride	2.84	117	20017	4.48	ug/l		94
29) Benzene	3.06	78	78135	4.74	ug/l		100
30) 1,2-Dichloroethane	3.15	62	21698	4.82	ug/l		99
31) METHYLCYCLOHEXANE	3.34	55	38517	4.58	ug/l		95
32) Trichloroethene	3.34	130	18004	4.68	ug/l	#	78
33) 1,2-dichloropropane	3.61	63	20190	4.82	ug/l		99
34) Bromodichloromethane	3.64	83	21206	4.52	ug/l		95
35) cis-1,3-Dichloropropene	3.99	75	22048	4.37	ug/l		100
36) 4-Methyl-2-Pentanone	4.34	43	14297	3.23	ug/l		98
38) Toluene	4.12	91	81429	4.77	ug/l		100
39) trans-1,3-Dichloropropene	4.36	75	17024	4.16	ug/l		99
40) 1,1,2-Trichloroethane	4.45	97	11662	4.82	ug/l		96
41) 1,2-Dibromoethane	4.71	107	10726	4.99	ug/l		85
43) Tetrachloroethene	4.35	164	12790	4.59	ug/l		98
44) 2-Hexanone	4.84	43	14994	3.39	ug/l	#	86
45) Dibromochloromethane	4.56	129	12028	4.62	ug/l		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092413\0924L10.D Vial: 16
Acq On : 24 Sep 2013 1:30 pm Operator:
Sample : TCL 5-PPB Inst : Instrumen
Misc : ICAL 5.0 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 25 04:57:00 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 24 21:41:25 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

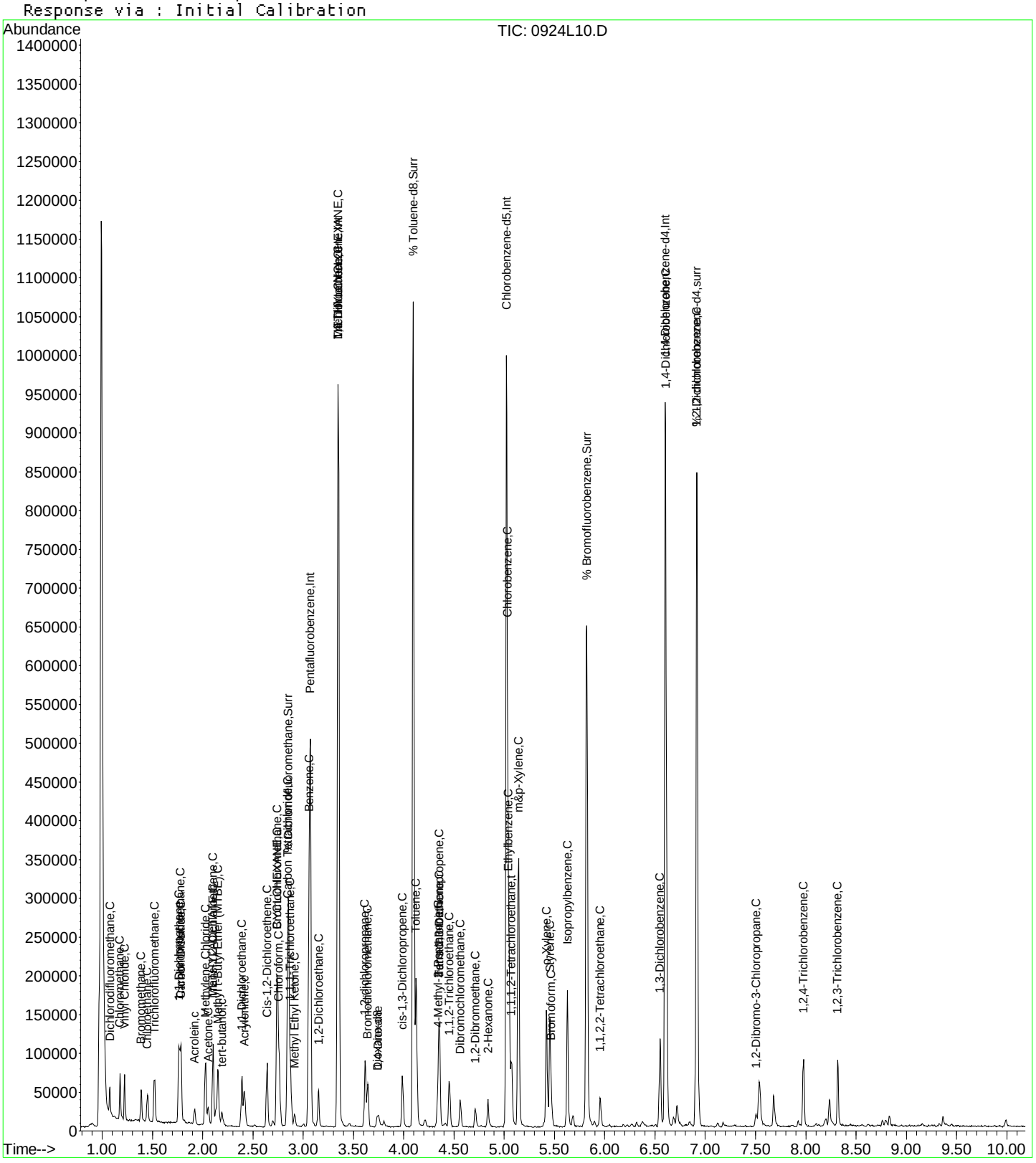
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46) Chlorobenzene	5.04	112	46093	4.76	ug/l		98
47) 1,1,1,2-Tetrachloroethane	5.07	131	13750	4.47	ug/l	#	90
48) Ethylbenzene	5.05	91	88126	4.52	ug/l		99
49) m&p-Xylene	5.14	106	65183	9.25	ug/l		92
50) o-Xylene	5.42	106	28278	4.30	ug/l		98
51) Styrene	5.46	104	46256	4.74	ug/l		92
52) Bromoform	5.47	173	6190	4.77	ug/l		97
56) Isopropylbenzene	5.63	105	76252	4.39	ug/l		100
57) 1,1,2,2-Tetrachloroethane	5.95	83	14129	5.23	ug/l		97
58) 1,3-Dichlorobenzene	6.55	146	28499	4.60	ug/l		99
59) 1,4-Dichlorobenzene	6.61	146	30722	4.87	ug/l		91
60) 1,2-Dichlorobenzene	6.92	146	28418	4.90	ug/l	#	92
61) 1,2-Dibromo-3-Chloropropan	7.50	75	1983	4.76	ug/l		98
62) 1,2,4-Trichlorobenzene	7.98	180	15483	4.72	ug/l		99
63) 1,2,3-Trichlorobenzene	8.32	180	15214	4.91	ug/l		95
65) 1,4-Dioxane	3.75	58	3420	166.78	ug/l		90

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092413\0924L10.D Vial: 16
Acq On : 24 Sep 2013 1:30 pm Operator:
Sample : TCL 5-PPB Inst : Instrumen
Misc : ICAL 5.0 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 25 4:57 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092413\0924L11.D Vial: 17
Acq On : 24 Sep 2013 1:52 pm Operator:
Sample : TCL 10-PPB Inst : Instrumen
Misc : ICAL 10 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 25 04:57:01 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 24 21:41:25 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	3.07	168	182977	50.00	ug/l		0.00
26) 1,4-Difluorobenzene	3.35	114	341685	50.00	ug/l		0.00
42) Chlorobenzene-d5	5.02	117	306671	50.00	ug/l		0.00
54) 1,4-Dichlorobenzene-d4	6.61	152	156364	50.00	ug/l		0.00
64) Dioxane-d8	3.74	96	5799	500.00	ug/l		0.00
System Monitoring Compounds							
24) % Dibromofluoromethane	2.86	192	15171	51.24	ug/l		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 102.48%				
37) % Toluene-d8	4.10	98	429564	49.01	ug/l		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.02%				
53) % Bromofluorobenzene	5.82	95	161157	49.36	ug/l		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.72%				
55) % 1,2-dichlorobenzene-d4	6.92	152	137384	50.26	ug/l		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.52%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.08	85	32939	10.45	ug/l		100
3) Chloromethane	1.18	50	61371	9.72	ug/l		98
4) Vinyl Chloride	1.22	62	57088	10.10	ug/l		99
5) Bromomethane	1.39	94	27104	9.88	ug/l		97
6) Chloroethane	1.45	64	31414	10.18	ug/l		99
7) Trichlorofluoromethane	1.52	101	56223	10.13	ug/l		100
8) 1,1-Dichloroethene	1.76	96	32994	10.11	ug/l		100
9) Trichlorotrifluoroethane	1.77	101	33554	10.46	ug/l		97
10) Acrolein	1.92	56	18029	47.77	ug/l		98
11) Acetone	2.06	43	20972	10.04	ug/l		90
12) Carbon Disulfide	1.78	76	111109	9.79	ug/l		99
13) Methylene Chloride	2.03	84	31907	9.86	ug/l		99
14) METHYLACETATE	2.11	43	15161	8.85	ug/l	#	94
15) Trans-1,2-Dichloroethene	2.10	96	36635	10.03	ug/l		98
16) Acrylonitrile	2.41	53	40500	48.00	ug/l		99
17) tert-butanol	2.19	59	16472	91.59	ug/l		97
18) 1,1-Dichloroethane	2.39	63	77569	9.97	ug/l		99
19) Cis-1,2-Dichloroethene	2.64	96	37786	9.70	ug/l		98
20) Methyl Ethyl Ketone	2.91	43	31708	10.21	ug/l		97
21) Bromochloromethane	2.74	128	13597	9.62	ug/l		98
22) CYCLOHEXANE	2.75	56	106831	10.01	ug/l		98
23) Chloroform	2.76	83	67349	9.83	ug/l		93
25) 1,1,1-Trichloroethane	2.87	97	58824	9.71	ug/l		98
27) Methyl t-Butyl Ether (MTBE	2.16	73	62818	9.45	ug/l	#	90
28) Carbon Tetrachloride	2.84	117	42444	9.49	ug/l		100
29) Benzene	3.06	78	159956	9.68	ug/l		100
30) 1,2-Dichloroethane	3.15	62	44224	9.81	ug/l		99
31) METHYLCYCLOHEXANE	3.34	55	85280	10.12	ug/l		97
32) Trichloroethene	3.34	130	38137	9.91	ug/l	#	90
33) 1,2-dichloropropane	3.61	63	39983	9.52	ug/l		100
34) Bromodichloromethane	3.64	83	44353	9.44	ug/l		99
35) cis-1,3-Dichloropropene	3.99	75	45993	9.11	ug/l		96
36) 4-Methyl-2-Pentanone	4.33	43	42332	9.55	ug/l		98
38) Toluene	4.12	91	164074	9.61	ug/l		100
39) trans-1,3-Dichloropropene	4.36	75	36285	8.84	ug/l		100
40) 1,1,2-Trichloroethane	4.45	97	22865	9.43	ug/l		97
41) 1,2-Dibromoethane	4.71	107	19879	9.24	ug/l		98
43) Tetrachloroethene	4.35	164	27855	10.11	ug/l		99
44) 2-Hexanone	4.83	43	41059	9.38	ug/l		97
45) Dibromochloromethane	4.56	129	23455	9.10	ug/l		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092413\0924L11.D Vial: 17
Acq On : 24 Sep 2013 1:52 pm Operator:
Sample : TCL 10-PPB Inst : Instrumen
Misc : ICAL 10 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 25 04:57:01 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 24 21:41:25 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

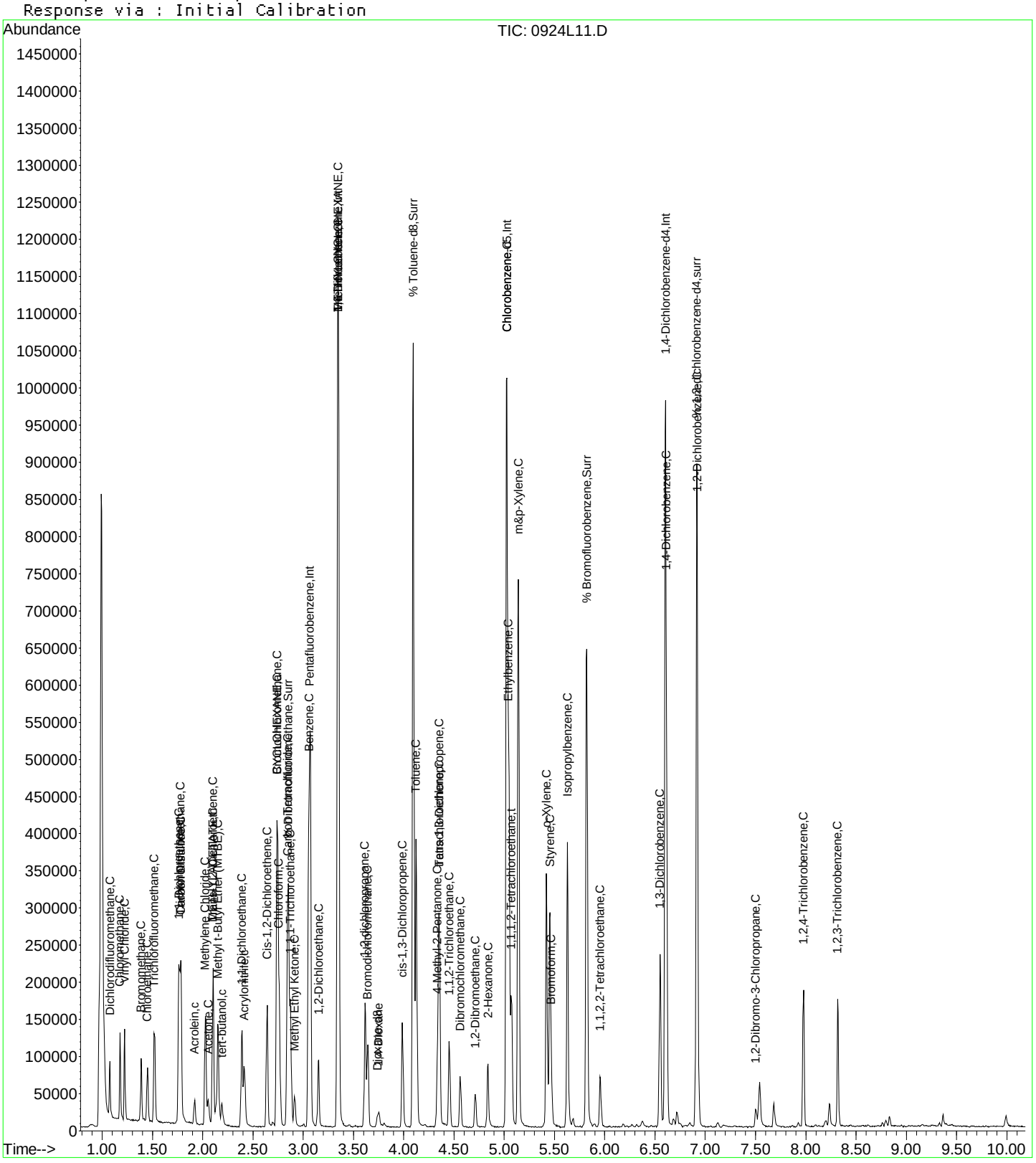
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Chlorobenzene	5.03	112	94432	9.85	ug/l	98
47) 1,1,1,2-Tetrachloroethane	5.07	131	28892	9.49	ug/l	97
48) Ethylbenzene	5.05	91	188288	9.77	ug/l	100
49) m&p-Xylene	5.14	106	136665	19.61	ug/l	96
50) o-Xylene	5.42	106	60834	9.34	ug/l	99
51) Styrene	5.46	104	88579	9.18	ug/l	99
52) Bromoform	5.47	173	10925	8.51	ug/l	99
56) Isopropylbenzene	5.63	105	168737	9.78	ug/l	100
57) 1,1,2,2-Tetrachloroethane	5.95	83	25988	9.68	ug/l	97
58) 1,3-Dichlorobenzene	6.55	146	60540	9.83	ug/l	99
59) 1,4-Dichlorobenzene	6.62	146	63218	10.09	ug/l	99
60) 1,2-Dichlorobenzene	6.93	146	56920	9.87	ug/l	98
61) 1,2-Dibromo-3-Chloropropan	7.50	75	3816	9.21	ug/l	93
62) 1,2,4-Trichlorobenzene	7.98	180	32565	10.00	ug/l	99
63) 1,2,3-Trichlorobenzene	8.32	180	29949	9.72	ug/l	98
65) 1,4-Dioxane	3.76	58	6410	371.45	ug/l	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092413\0924L11.D Vial: 17
Acq On : 24 Sep 2013 1:52 pm Operator:
Sample : TCL 10-PPB Inst : Instrumen
Misc : ICAL 10 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 25 4:57 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092413\0924L12.D Vial: 18
Acq On : 24 Sep 2013 2:14 pm Operator:
Sample : TCL 20-PPB Inst : Instrumen
Misc : ICAL 20 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 25 04:57:03 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 24 21:41:25 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	187368	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	345740	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.03	117	309735	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.61	152	160622	50.00	ug/l	0.00
64) Dioxane-d8	3.73	96	6172	500.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.86	192	14993	49.45	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.90%			
37) % Toluene-d8	4.10	98	440358	49.66	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.32%			
53) % Bromofluorobenzene	5.82	95	163795	49.67	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.34%			
55) % 1,2-dichlorobenzene-d4	6.92	152	139983	49.85	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.08	85	62583	19.39	ug/l	98
3) Chloromethane	1.18	50	124311	19.23	ug/l	99
4) Vinyl Chloride	1.22	62	109141	18.86	ug/l	98
5) Bromomethane	1.39	94	53629	19.10	ug/l	99
6) Chloroethane	1.45	64	62892	19.90	ug/l	99
7) Trichlorofluoromethane	1.52	101	108509	19.10	ug/l	100
8) 1,1-Dichloroethene	1.76	96	64110	19.19	ug/l	97
9) Trichlorotrifluoroethane	1.77	101	62582	19.05	ug/l	97
10) Acrolein	1.92	56	36037	93.25	ug/l	98
11) Acetone	2.06	43	41123	19.22	ug/l	94
12) Carbon Disulfide	1.78	76	223614	19.23	ug/l	100
13) Methylene Chloride	2.03	84	62992	19.00	ug/l	94
14) METHYLACETATE	2.10	43	33538	19.12	ug/l	98
15) Trans-1,2-Dichloroethene	2.10	96	71120	19.01	ug/l	97
16) Acrylonitrile	2.41	53	80811	93.53	ug/l	98
17) tert-butanol	2.19	59	34048	184.88	ug/l	99
18) 1,1-Dichloroethane	2.39	63	150886	18.93	ug/l	100
19) Cis-1,2-Dichloroethene	2.64	96	75418	18.92	ug/l	100
20) Methyl Ethyl Ketone	2.91	43	65154	20.48	ug/l	98
21) Bromochloromethane	2.74	128	27504	19.01	ug/l	99
22) CYCLOHEXANE	2.75	56	208260	19.07	ug/l	97
23) Chloroform	2.76	83	133026	18.97	ug/l	99
25) 1,1,1-Trichloroethane	2.87	97	117622	18.96	ug/l	98
27) Methyl t-Butyl Ether (MTBE	2.16	73	126241	18.77	ug/l	96
28) Carbon Tetrachloride	2.84	117	84391	18.64	ug/l	98
29) Benzene	3.06	78	314877	18.84	ug/l	100
30) 1,2-Dichloroethane	3.15	62	85761	18.80	ug/l	100
31) METHYLCYCLOHEXANE	3.34	55	160224	18.79	ug/l	97
32) Trichloroethene	3.34	130	74777	19.20	ug/l	95
33) 1,2-dichloropropane	3.61	63	79876	18.80	ug/l	100
34) Bromodichloromethane	3.64	83	89576	18.84	ug/l	98
35) cis-1,3-Dichloropropene	3.99	75	93596	18.32	ug/l	96
36) 4-Methyl-2-Pentanone	4.33	43	88300	19.69	ug/l	97
38) Toluene	4.12	91	328121	18.98	ug/l	99
39) trans-1,3-Dichloropropene	4.36	75	76987	18.55	ug/l	100
40) 1,1,2-Trichloroethane	4.45	97	47226	19.26	ug/l	98
41) 1,2-Dibromoethane	4.71	107	40355	18.53	ug/l	97
43) Tetrachloroethene	4.35	164	53682	19.30	ug/l	98
44) 2-Hexanone	4.83	43	88774	20.07	ug/l	96
45) Dibromochloromethane	4.56	129	48919	18.79	ug/l	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092413\0924L12.D Vial: 18
Acq On : 24 Sep 2013 2:14 pm Operator:
Sample : TCL 20-PPB Inst : Instrumen
Misc : ICAL 20 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 25 04:57:03 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 24 21:41:25 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

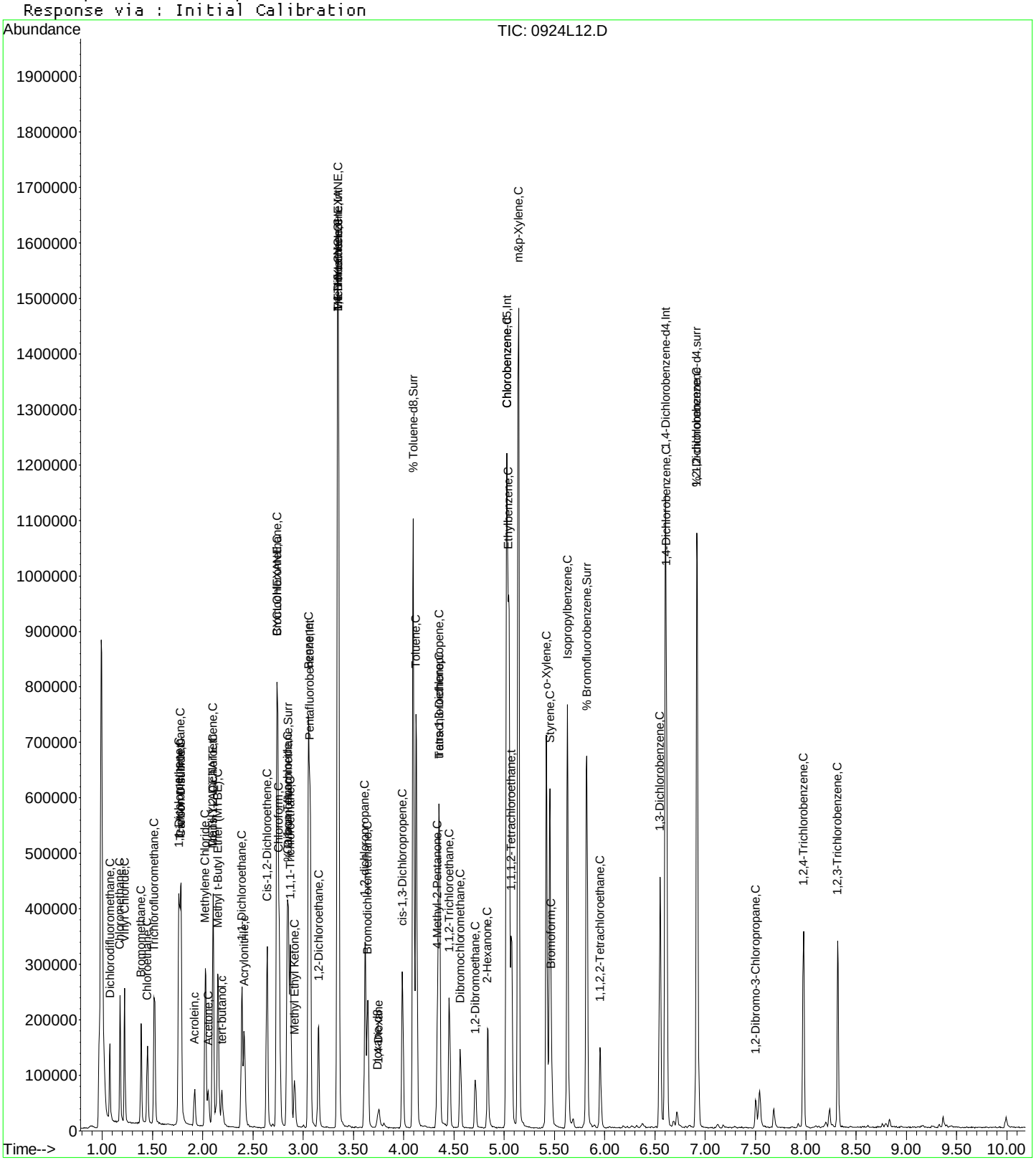
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Chlorobenzene	5.03	112	184366	19.03	ug/l	99
47) 1,1,1,2-Tetrachloroethane	5.07	131	58373	18.98	ug/l	97
48) Ethylbenzene	5.05	91	376493	19.34	ug/l	97
49) m&p-Xylene	5.14	106	271491	38.57	ug/l	97
50) o-Xylene	5.42	106	125345	19.06	ug/l	98
51) Styrene	5.46	104	184682	18.95	ug/l	97
52) Bromoform	5.47	173	23821	18.38	ug/l	98
56) Isopropylbenzene	5.63	105	343614	19.39	ug/l	100
57) 1,1,2,2-Tetrachloroethane	5.95	83	52968	19.20	ug/l	100
58) 1,3-Dichlorobenzene	6.55	146	121558	19.21	ug/l	99
59) 1,4-Dichlorobenzene	6.62	146	124659	19.37	ug/l	99
60) 1,2-Dichlorobenzene	6.92	146	113363	19.14	ug/l	98
61) 1,2-Dibromo-3-Chloropropan	7.50	75	8045	18.91	ug/l	95
62) 1,2,4-Trichlorobenzene	7.98	180	63076	18.85	ug/l	98
63) 1,2,3-Trichlorobenzene	8.32	180	61121	19.31	ug/l	98
65) 1,4-Dioxane	3.75	58	12149	661.46	ug/l	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092413\0924L12.D Vial: 18
Acq On : 24 Sep 2013 2:14 pm Operator:
Sample : TCL 20-PPB Inst : Instrumen
Misc : ICAL 20 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 25 4:57 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092413\0924L13.D Vial: 19
Acq On : 24 Sep 2013 2:37 pm Operator:
Sample : TCL 50-PPB Inst : Instrumen
Misc : ICAL 50 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 25 04:57:04 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 24 21:41:25 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	156683	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	287623	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	260271	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.60	152	136841	50.00	ug/l	0.00
64) Dioxane-d8	3.73	96	5173	500.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.86	192	12866	50.75	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.50%			
37) % Toluene-d8	4.10	98	367684	49.84	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.68%			
53) % Bromofluorobenzene	5.82	95	136697	49.33	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.66%			
55) % 1,2-dichlorobenzene-d4	6.91	152	118958	49.73	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.46%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.08	85	157036	58.18	ug/l	99
3) Chloromethane	1.18	50	310909	57.53	ug/l	100
4) Vinyl Chloride	1.22	62	278072	57.46	ug/l	100
5) Bromomethane	1.39	94	136059	57.94	ug/l	99
6) Chloroethane	1.45	64	153458	58.07	ug/l	99
7) Trichlorofluoromethane	1.52	101	276598	58.22	ug/l	99
8) 1,1-Dichloroethene	1.76	96	160759	57.54	ug/l	99
9) Trichlorotrifluoroethane	1.77	101	158404	57.67	ug/l	100
10) Acrolein	1.92	56	90251	279.26	ug/l	98
11) Acetone	2.06	43	89819	50.20	ug/l	100
12) Carbon Disulfide	1.78	76	566657	58.29	ug/l	100
13) Methylene Chloride	2.02	84	154949	55.90	ug/l	96
14) METHYLACETATE	2.10	43	85495	58.28	ug/l	99
15) Trans-1,2-Dichloroethene	2.10	96	181282	57.95	ug/l	99
16) Acrylonitrile	2.41	53	207265	286.86	ug/l	99
17) tert-butanol	2.19	59	85590	555.77	ug/l	99
18) 1,1-Dichloroethane	2.39	63	382423	57.37	ug/l	99
19) Cis-1,2-Dichloroethene	2.64	96	189509	56.84	ug/l	99
20) Methyl Ethyl Ketone	2.91	43	157515	59.22	ug/l	98
21) Bromochloromethane	2.74	128	69456	57.40	ug/l	99
22) CYCLOHEXANE	2.74	56	534009	58.46	ug/l	99
23) Chloroform	2.76	83	336504	57.37	ug/l	98
25) 1,1,1-Trichloroethane	2.87	97	299842	57.80	ug/l	98
27) Methyl t-Butyl Ether (MTBE	2.15	73	316124	56.51	ug/l	98
28) Carbon Tetrachloride	2.84	117	218474	58.02	ug/l	100
29) Benzene	3.06	78	797064	57.32	ug/l	100
30) 1,2-Dichloroethane	3.15	62	217644	57.36	ug/l	99
31) METHYLCYCLOHEXANE	3.34	55	408018	57.52	ug/l	98
32) Trichloroethene	3.34	130	182566	56.33	ug/l	99
33) 1,2-dichloropropane	3.61	63	201837	57.12	ug/l	100
34) Bromodichloromethane	3.64	83	229969	58.14	ug/l	98
35) cis-1,3-Dichloropropene	3.99	75	248980	58.58	ug/l	100
36) 4-Methyl-2-Pentanone	4.33	43	231272	62.00	ug/l	98
38) Toluene	4.12	91	820195	57.04	ug/l	100
39) trans-1,3-Dichloropropene	4.36	75	206081	59.68	ug/l	100
40) 1,1,2-Trichloroethane	4.45	97	117238	57.46	ug/l	99
41) 1,2-Dibromoethane	4.71	107	102553	56.61	ug/l	100
43) Tetrachloroethene	4.35	164	131287	56.16	ug/l	99
44) 2-Hexanone	4.83	43	226906	61.06	ug/l	99
45) Dibromochloromethane	4.56	129	127304	58.19	ug/l	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092413\0924L13.D Vial: 19
Acq On : 24 Sep 2013 2:37 pm Operator:
Sample : TCL 50-PPB Inst : Instrumen
Misc : ICAL 50 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 25 04:57:04 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 24 21:41:25 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

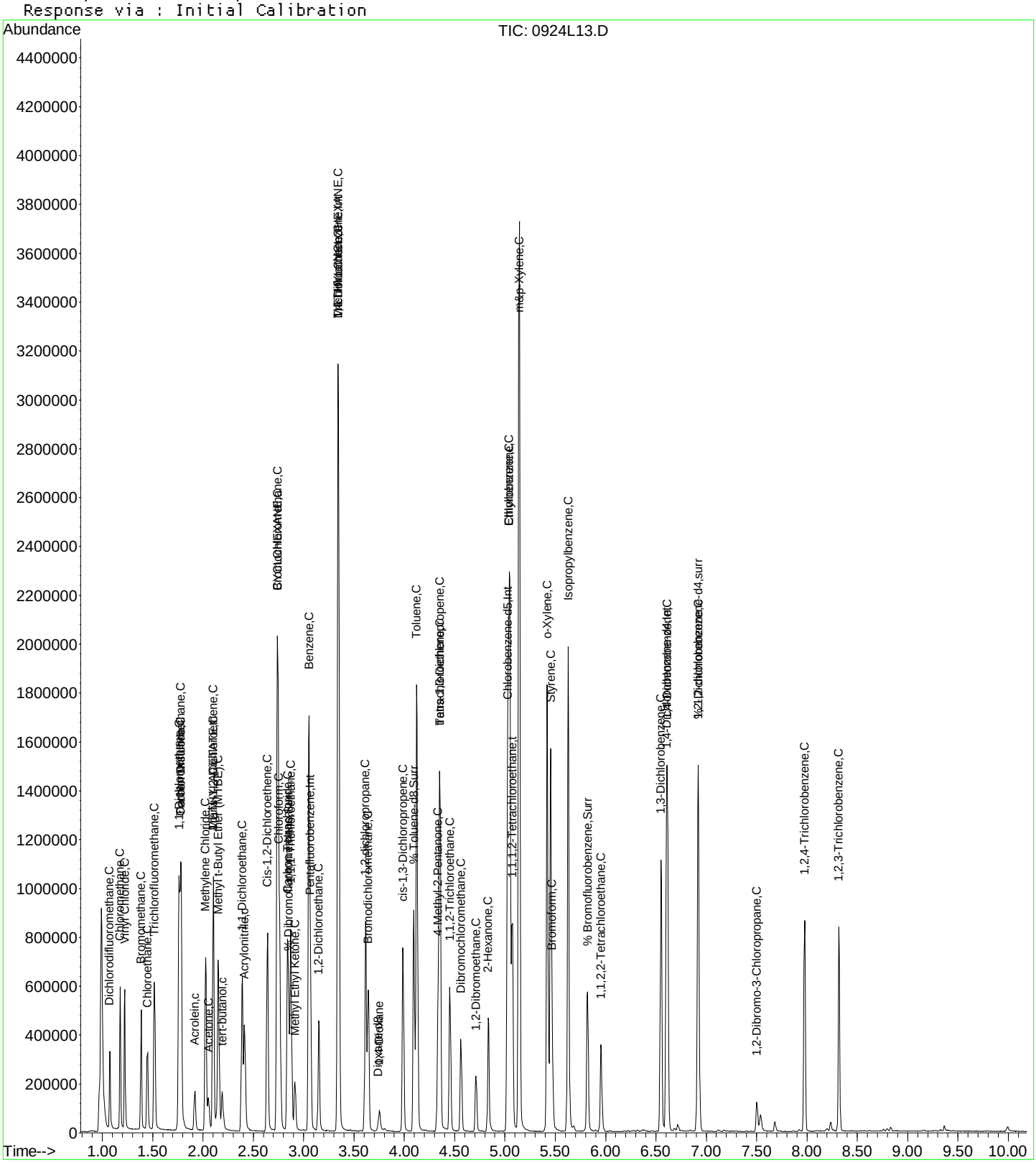
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Chlorobenzene	5.04	112	464485	57.07	ug/l	100
47) 1,1,1,2-Tetrachloroethane	5.07	131	150898	58.38	ug/l	100
48) Ethylbenzene	5.05	91	932661	57.02	ug/l	97
49) m&p-Xylene	5.14	106	674582	114.05	ug/l	98
50) o-Xylene	5.42	106	325777	58.97	ug/l	98
51) Styrene	5.46	104	472659	57.71	ug/l	97
52) Bromoform	5.47	173	63988	58.74	ug/l	98
56) Isopropylbenzene	5.63	105	877698	58.14	ug/l	99
57) 1,1,2,2-Tetrachloroethane	5.95	83	131925	56.13	ug/l	99
58) 1,3-Dichlorobenzene	6.55	146	306361	56.83	ug/l	100
59) 1,4-Dichlorobenzene	6.62	146	303808	55.42	ug/l	100
60) 1,2-Dichlorobenzene	6.93	146	286174	56.71	ug/l	99
61) 1,2-Dibromo-3-Chloropropan	7.50	75	20689	57.07	ug/l	97
62) 1,2,4-Trichlorobenzene	7.98	180	159994	56.13	ug/l	98
63) 1,2,3-Trichlorobenzene	8.32	180	152361	56.51	ug/l	99
65) 1,4-Dioxane	3.75	58	37419	2430.76	ug/l	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092413\0924L13.D Vial: 19
Acq On : 24 Sep 2013 2:37 pm Operator:
Sample : TCL 50-PPB Inst : Instrumen
Misc : ICAL 50 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 25 4:57 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092413\0924L14.D Vial: 20
Acq On : 24 Sep 2013 2:59 pm Operator:
Sample : TCL 100-PPB Inst : Instrumen
Misc : ICAL 100 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 25 04:57:05 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 24 21:41:25 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	190934	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	345304	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	312025	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.61	152	166526	50.00	ug/l	0.00
64) Dioxane-d8	3.73	96	6160	500.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.85	192	14913	48.27	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 96.54%			
37) % Toluene-d8	4.10	98	445483	50.30	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.60%			
53) % Bromofluorobenzene	5.82	95	170299	51.26	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 102.52%			
55) % 1,2-dichlorobenzene-d4	6.91	152	143628	49.34	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.68%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.08	85	308198	93.70	ug/l	99
3) Chloromethane	1.18	50	618269	93.87	ug/l	100
4) Vinyl Chloride	1.22	62	564631	95.74	ug/l	100
5) Bromomethane	1.39	94	273484	95.57	ug/l	100
6) Chloroethane	1.44	64	310435	96.40	ug/l	99
7) Trichlorofluoromethane	1.52	101	547496	94.57	ug/l	100
8) 1,1-Dichloroethene	1.76	96	325604	95.64	ug/l	98
9) Trichlorotrifluoroethane	1.77	101	324040	96.81	ug/l	99
10) Acrolein	1.92	56	181169	460.02	ug/l	99
11) Acetone	2.06	43	174647	80.09	ug/l	99
12) Carbon Disulfide	1.78	76	1164654	98.31	ug/l	100
13) Methylene Chloride	2.02	84	311190	92.13	ug/l	98
14) METHYLACETATE	2.10	43	177350	99.21	ug/l	100
15) Trans-1,2-Dichloroethene	2.10	96	368394	96.63	ug/l	99
16) Acrylonitrile	2.41	53	416655	473.21	ug/l	100
17) tert-butanol	2.19	59	182688	973.46	ug/l	100
18) 1,1-Dichloroethane	2.39	63	771738	95.01	ug/l	99
19) Cis-1,2-Dichloroethene	2.64	96	385794	94.96	ug/l	100
20) Methyl Ethyl Ketone	2.91	43	322142	99.39	ug/l	98
21) Bromochloromethane	2.74	128	137884	93.52	ug/l	99
22) CYCLOHEXANE	2.74	56	1088532	97.79	ug/l	100
23) Chloroform	2.76	83	677804	94.83	ug/l	98
25) 1,1,1-Trichloroethane	2.87	97	611512	96.74	ug/l	99
27) Methyl t-Butyl Ether (MTBE	2.15	73	647086	96.35	ug/l	100
28) Carbon Tetrachloride	2.84	117	448039	99.11	ug/l	99
29) Benzene	3.05	78	1613197	96.63	ug/l	100
30) 1,2-Dichloroethane	3.15	62	434166	95.31	ug/l	100
31) METHYLCYCLOHEXANE	3.34	55	853242	100.19	ug/l	99
32) Trichloroethene	3.34	130	379106	97.44	ug/l	99
33) 1,2-dichloropropane	3.61	63	408838	96.37	ug/l	100
34) Bromodichloromethane	3.64	83	469573	98.89	ug/l	99
35) cis-1,3-Dichloropropene	3.99	75	520729	102.06	ug/l	99
36) 4-Methyl-2-Pentanone	4.33	43	480271	107.24	ug/l	99
38) Toluene	4.12	91	1666045	96.51	ug/l	100
39) trans-1,3-Dichloropropene	4.36	75	429953	103.71	ug/l	99
40) 1,1,2-Trichloroethane	4.45	97	233005	95.12	ug/l	99
41) 1,2-Dibromoethane	4.71	107	211215	97.11	ug/l	99
43) Tetrachloroethene	4.35	164	274439	97.93	ug/l	99
44) 2-Hexanone	4.83	43	470318	105.57	ug/l	99
45) Dibromochloromethane	4.56	129	260399	99.29	ug/l	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092413\0924L14.D Vial: 20
Acq On : 24 Sep 2013 2:59 pm Operator:
Sample : TCL 100-PPB Inst : Instrumen
Misc : ICAL 100 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 25 04:57:05 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 24 21:41:25 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

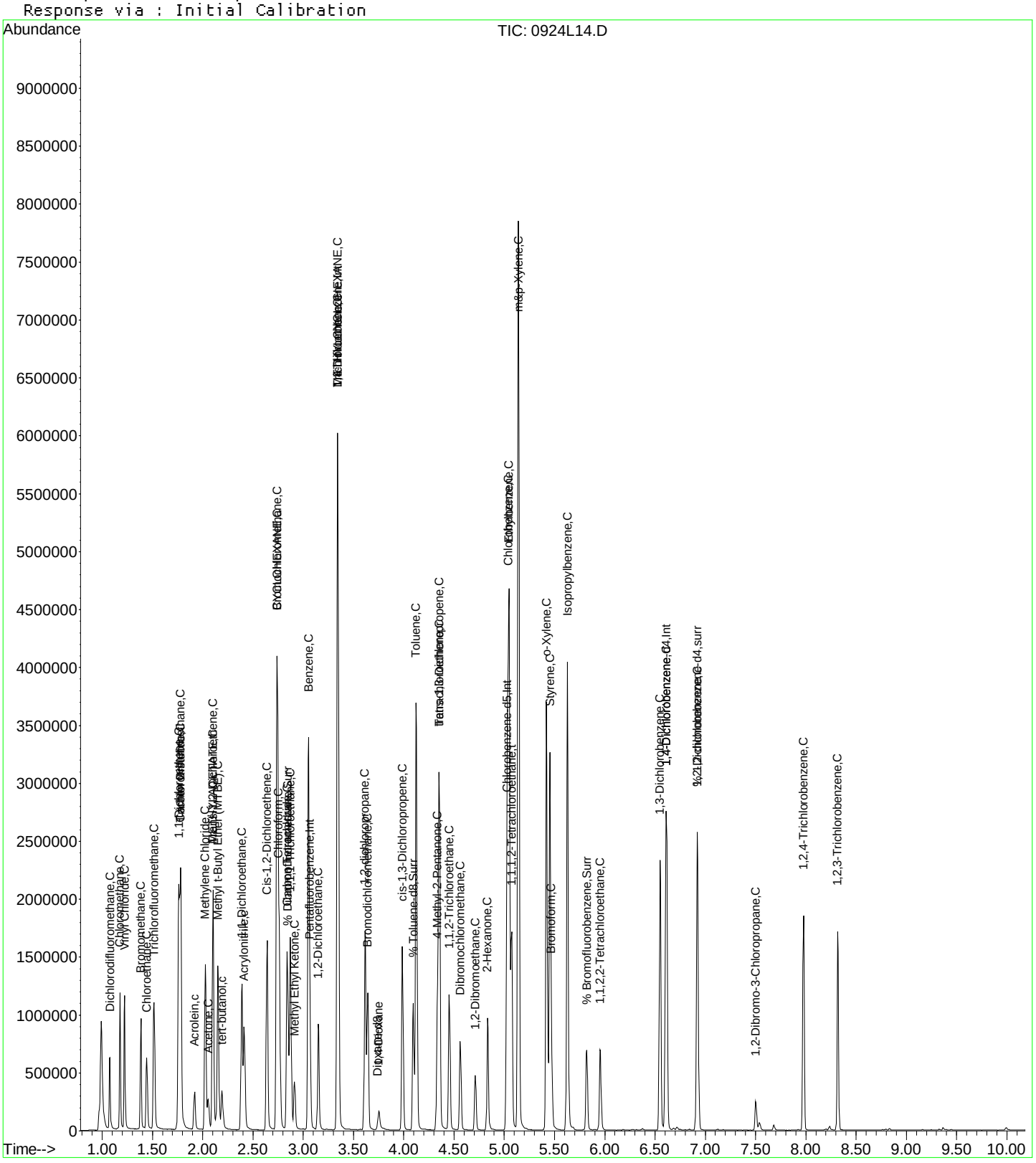
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Chlorobenzene	5.04	112	937840	96.12	ug/l	100
47) 1,1,1,2-Tetrachloroethane	5.07	131	304636	98.31	ug/l	99
48) Ethylbenzene	5.05	91	1917010	97.76	ug/l	98
49) m&p-Xylene	5.14	106	1381080	194.76	ug/l	99
50) o-Xylene	5.42	106	666051	100.56	ug/l	99
51) Styrene	5.46	104	971286	98.93	ug/l	99
52) Bromoform	5.47	173	130447	99.89	ug/l	97
56) Isopropylbenzene	5.63	105	1811317	98.59	ug/l	100
57) 1,1,2,2-Tetrachloroethane	5.95	83	266377	93.12	ug/l	98
58) 1,3-Dichlorobenzene	6.55	146	637878	97.23	ug/l	99
59) 1,4-Dichlorobenzene	6.62	146	635549	95.27	ug/l	99
60) 1,2-Dichlorobenzene	6.93	146	581688	94.73	ug/l	100
61) 1,2-Dibromo-3-Chloropropan	7.50	75	43448	98.49	ug/l	98
62) 1,2,4-Trichlorobenzene	7.98	180	336578	97.04	ug/l	100
63) 1,2,3-Trichlorobenzene	8.32	180	312613	95.28	ug/l	99
65) 1,4-Dioxane	3.75	58	76735	4186.05	ug/l	98

(#) = qualifier out of range (m) = manual integration
0924L14.D TCLSNJD_0924.M Fri Oct 04 08:20:37 2013 Page 2

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092413\0924L14.D Vial: 20
Acq On : 24 Sep 2013 2:59 pm Operator:
Sample : TCL 100-PPB Inst : Instrumen
Misc : ICAL 100 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 25 4:57 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092413\0924L15.D Vial: 21
Acq On : 24 Sep 2013 3:21 pm Operator:
Sample : TCL 150-PPB Inst : Instrumen
Misc : ICAL 150 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 25 04:57:07 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 24 21:41:25 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	188002	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	334365	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	305308	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.61	152	164822	50.00	ug/l	0.00
64) Dioxane-d8	3.74	96	5600	500.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.86	192	14676	48.24	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 96.48%			
37) % Toluene-d8	4.10	98	438807	51.16	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 102.32%			
53) % Bromofluorobenzene	5.82	95	165224	50.83	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.66%			
55) % 1,2-dichlorobenzene-d4	6.92	152	144566	50.17	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.34%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.07	85	446778	137.95	ug/l	100
3) Chloromethane	1.18	50	952728	146.91	ug/l	100
4) Vinyl Chloride	1.22	62	866511	149.22	ug/l	100
5) Bromomethane	1.38	94	416696	147.88	ug/l	100
6) Chloroethane	1.44	64	389945	122.98	ug/l	100
7) Trichlorofluoromethane	1.51	101	823947	144.54	ug/l	100
8) 1,1-Dichloroethene	1.76	96	499329	148.95	ug/l	100
9) Trichlorotrifluoroethane	1.77	101	462184	140.23	ug/l	100
10) Acrolein	1.92	56	279572	720.95	ug/l	100
11) Acetone	2.06	43	264391	123.14	ug/l	100
12) Carbon Disulfide	1.78	76	1792278	153.64	ug/l	100
13) Methylene Chloride	2.02	84	480618	144.50	ug/l	100
14) METHYLACETATE	2.10	43	277512	157.66	ug/l	100
15) Trans-1,2-Dichloroethene	2.10	96	567041	151.06	ug/l	100
16) Acrylonitrile	2.41	53	642360	740.93	ug/l	100
17) tert-butanol	2.19	59	288326	1560.32	ug/l	100
18) 1,1-Dichloroethane	2.39	63	1196963	149.66	ug/l	100
19) Cis-1,2-Dichloroethene	2.64	96	603619	150.89	ug/l	100
20) Methyl Ethyl Ketone	2.91	43	489517	153.38	ug/l	100
21) Bromochloromethane	2.74	128	213043	146.74	ug/l	100
22) CYCLOHEXANE	2.74	56	1638127	149.46	ug/l	100
23) Chloroform	2.76	83	1047262	148.80	ug/l	100
25) 1,1,1-Trichloroethane	2.87	97	951374	152.85	ug/l	100
27) Methyl t-Butyl Ether (MTBE	2.15	73	1014563	156.01	ug/l	100
28) Carbon Tetrachloride	2.84	117	703443	160.70	ug/l	100
29) Benzene	3.06	78	2497434	154.49	ug/l	100
30) 1,2-Dichloroethane	3.15	62	671343	152.19	ug/l	100
31) METHYLCYCLOHEXANE	3.34	55	1213137	147.11	ug/l	100
32) Trichloroethene	3.34	130	571911	151.80	ug/l	100
33) 1,2-dichloropropane	3.61	63	639767	155.73	ug/l	100
34) Bromodichloromethane	3.64	83	729914	158.75	ug/l	100
35) cis-1,3-Dichloropropene	3.99	75	819795	165.93	ug/l	100
36) 4-Methyl-2-Pentanone	4.33	43	716496	165.23	ug/l	100
38) Toluene	4.12	91	2581865	154.45	ug/l	100
39) trans-1,3-Dichloropropene	4.36	75	678330	168.97	ug/l	100
40) 1,1,2-Trichloroethane	4.45	97	366364	154.46	ug/l	100
41) 1,2-Dibromoethane	4.71	107	331217	157.27	ug/l	100
43) Tetrachloroethene	4.35	164	412345	150.37	ug/l	100
44) 2-Hexanone	4.83	43	721918	165.61	ug/l	100
45) Dibromochloromethane	4.56	129	412054	160.57	ug/l	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092413\0924L15.D Vial: 21
Acq On : 24 Sep 2013 3:21 pm Operator:
Sample : TCL 150-PPB Inst : Instrumen
Misc : ICAL 150 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 25 04:57:07 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Tue Sep 24 21:41:25 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

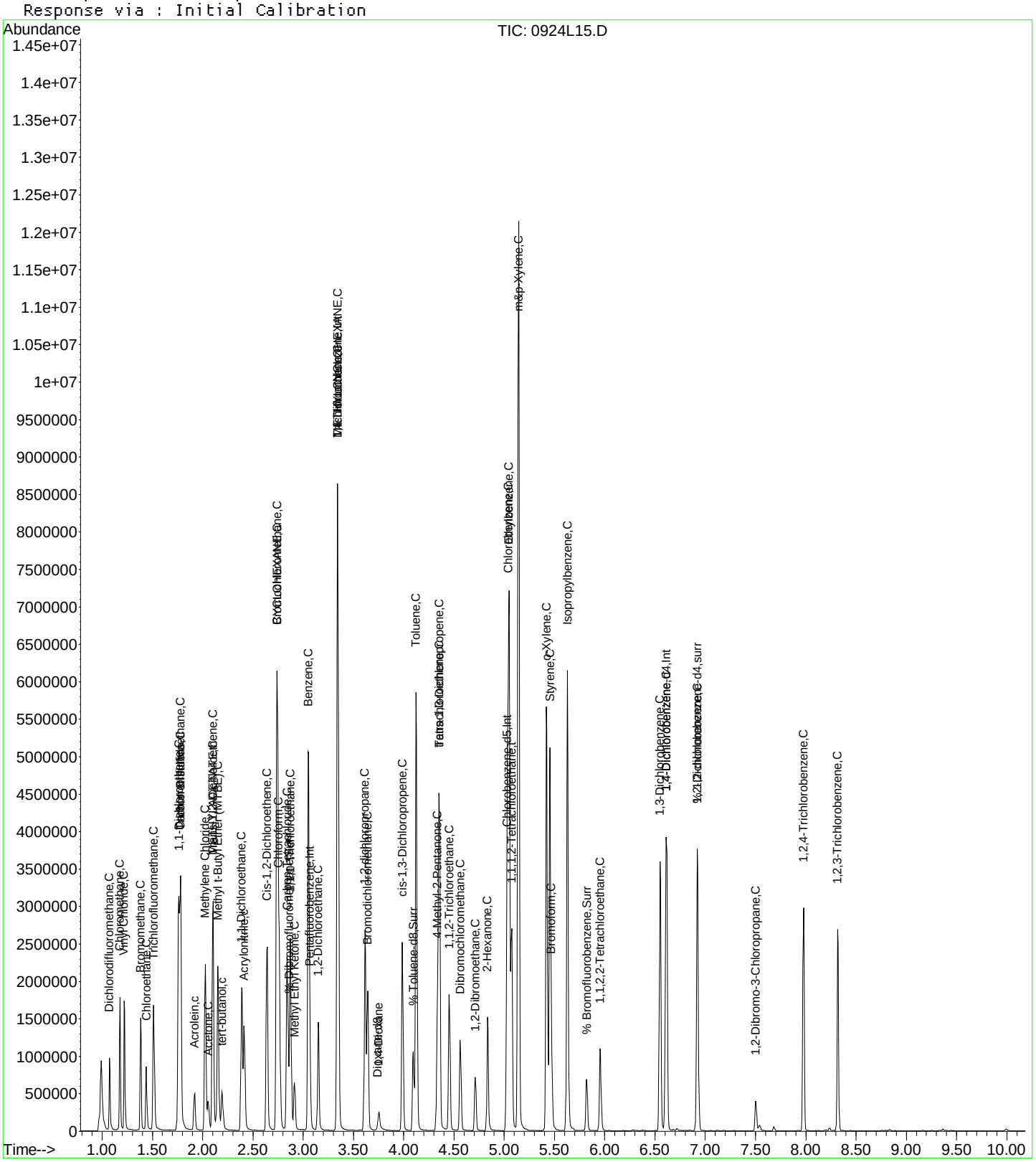
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Chlorobenzene	5.04	112	1446222	151.48	ug/l	100
47) 1,1,1,2-Tetrachloroethane	5.07	131	481319	158.75	ug/l	100
48) Ethylbenzene	5.05	91	2973000	154.95	ug/l	100
49) m&p-Xylene	5.14	106	2114062	304.69	ug/l	100
50) o-Xylene	5.42	106	1038093	160.18	ug/l	100
51) Styrene	5.46	104	1502316	156.38	ug/l	100
52) Bromoform	5.47	173	211169	165.27	ug/l	100
56) Isopropylbenzene	5.63	105	2795801	153.75	ug/l	100
57) 1,1,2,2-Tetrachloroethane	5.95	83	413316	145.99	ug/l	100
58) 1,3-Dichlorobenzene	6.55	146	1001453	154.23	ug/l	100
59) 1,4-Dichlorobenzene	6.62	146	976597	147.91	ug/l	100
60) 1,2-Dichlorobenzene	6.93	146	906926	149.22	ug/l	100
61) 1,2-Dibromo-3-Chloropropan	7.50	75	69126	158.32	ug/l	100
62) 1,2,4-Trichlorobenzene	7.98	180	525014	152.93	ug/l	100
63) 1,2,3-Trichlorobenzene	8.32	180	486000	149.66	ug/l	100
65) 1,4-Dioxane	3.75	58	114864	6892.67	ug/l	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092413\0924L15.D Vial: 21
Acq On : 24 Sep 2013 3:21 pm Operator:
Sample : TCL 150-PPB Inst : Instrumen
Misc : ICAL 150 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 25 4:57 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration



0924L15.D TCLSNJD_0924.M Fri Oct 04 08:20:42 2013 Page 3

7A
VOLATILE CONTINUINING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument: CHEM03 Calibration Date: 09/25/13 Time: 19:51

Lab File Id: 0925L02.D Init. Calib. Date(s): 09/24/13 09/24/13

Heated Purge (Y/N): Y Init. Calib. Times: 13:30 15:21

GC Column: rtx-vms

COMPOUND	RRF	RRF50	RRF MIN	%D	MAX %D
Dichlorodifluoromethane	0.861	0.748	0.010	13.1	40
Chloromethane	1.725	1.568	0.100	9.1	40
Vinyl Chloride	1.544	1.492	0.100	3.4	25
Bromomethane	0.749	0.712	0.100	5.0	25
Chloroethane	0.843	0.826	0.010	2.0	40
Trichlorofluoromethane	1.516	1.411	0.010	7.0	40
1,1-Dichloroethene	0.892	0.844	0.100	5.3	25
Trichlorotrifluoroethane	0.877	0.856	0.010	2.4	40
Acetone	0.571	0.447	0.010	21.7	40
Carbon Disulfide	3.102	2.950	0.010	4.9	40
Methylene Chloride	0.885	0.827	0.010	6.5	40
METHYLACETATE	0.468	0.470	0.010	-0.5	40
Trans-1,2-Dichloroethene	0.998	0.991	0.010	0.7	40
1,1-Dichloroethane	2.127	2.029	0.200	4.6	25
Cis-1,2-Dichloroethene	1.064	1.028	0.010	3.3	40
Methyl Ethyl Ketone	0.849	0.846	0.010	0.3	40
Bromochloromethane	0.386	0.366	0.050	5.3	25
CYCLOHEXANE	2.915	2.901	0.010	0.5	40
Chloroform	1.872	1.782	0.200	4.8	25
1,1,1-Trichloroethane	1.655	1.589	0.100	4.0	25
Methyl t-Butyl Ether (MTBE)	0.972	0.944	0.010	2.9	40
Carbon Tetrachloride	0.655	0.624	0.100	4.7	25
Benzene	2.417	2.309	0.400	4.5	25
1,2-Dichloroethane	0.660	0.602	0.100	8.8	25
METHYLCYCLOHEXANE	1.233	1.216	0.010	1.4	40
Trichloroethene	0.563	0.553	0.300	1.9	25
1,2-dichloropropane	0.614	0.578	0.010	5.9	40
Bromodichloromethane	0.688	0.644	0.200	6.4	25
cis-1,3-Dichloropropene	0.739	0.721	0.200	2.4	25
4-Methyl-2-Pentanone	0.648	0.685	0.010	-5.6	40
Toluene	2.500	2.387	0.400	4.5	25
trans-1,3-Dichloropropene	0.600	0.574	0.100	4.3	25
1,1,2-Trichloroethane	0.355	0.335	0.100	5.6	25
1,2-Dibromoethane	0.315	0.291	0.010	7.7	40
Tetrachloroethene	0.449	0.468	0.100	-4.2	25
2-Hexanone	0.714	0.706	0.010	1.1	40

* Minimum RRF not met for this compound.

7B
VOLATILE CONTINUINING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument: CHEM03 Calibration Date: 09/25/13 Time: 19:51

Lab File Id: 0925L02.D Init. Calib. Date(s): 09/24/13 09/24/13

Heated Purge (Y/N): Y Init. Calib. Times: 13:30 15:21

GC Column: rtx-vms

COMPOUND	RRF	RRF50	RRF MIN	%D	MAX %D
Dibromochloromethane	0.420	0.403	0.100	4.1	25
Chlorobenzene	1.564	1.487	0.500	4.9	25
Ethylbenzene	3.142	2.990	0.100	4.9	25
m&p-Xylene	1.136	1.095	0.300	3.7	25
o-Xylene	1.061	1.046	0.300	1.5	25
Styrene	1.573	1.499	0.300	4.7	25
Bromoform	0.209	0.197	0.050	5.8	25
Isopropylbenzene	5.516	5.463	0.010	1.0	40
1,1,2,2-Tetrachloroethane	0.859	0.799	0.300	6.9	25
1,3-Dichlorobenzene	1.970	1.930	0.600	2.0	25
1,4-Dichlorobenzene	2.003	1.930	0.500	3.6	25
1,2-Dichlorobenzene	1.844	1.755	0.400	4.8	25
1,2-Dibromo-3-Chloropropane	0.132	0.121	0.010	8.9	40
1,2,4-Trichlorobenzene	1.041	1.026	0.200	1.5	25
1,2,3-Trichlorobenzene	0.985	0.929	0.200	5.7	25
1,4-Dioxane	1.488	1.759	0.010	-18.2	40
% 1,2-dichlorobenzene-d4	0.874	0.877	0.010	-0.3	25
% Bromofluorobenzene	0.532	0.525	0.010	1.4	25
% Dibromofluoromethane	0.081	0.087	0.010	-7.0	25
% Toluene-d8	1.283	1.291	0.010	-0.7	25

* Minimum RRF not met for this compound.

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L02.D Vial: 2
Acq On : 25 Sep 2013 7:51 pm Operator:
Sample : NJ TCL-50 PPB STD. Inst : Instrumen
Misc : TUNE / CCAL 50 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 07:07:09 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 07:06:54 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	210356	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	389319	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	354525	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.61	152	184602	50.00	ug/l	0.00
64) Dioxane-d8	3.73	96	6495	500.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.86	192	18211	53.50	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 107.00%			
37) % Toluene-d8	4.10	98	502699	50.34	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.68%			
53) % Bromofluorobenzene	5.82	95	186110	49.31	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.62%			
55) % 1,2-dichlorobenzene-d4	6.91	152	161798	50.14	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.28%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.08	85	157381	43.43	ug/l	98
3) Chloromethane	1.18	50	329898	45.47	ug/l	99
4) Vinyl Chloride	1.22	62	313835	48.30	ug/l	99
5) Bromomethane	1.39	94	149820	47.52	ug/l	98
6) Chloroethane	1.45	64	173804	48.99	ug/l	99
7) Trichlorofluoromethane	1.52	101	296732	46.52	ug/l	97
8) 1,1-Dichloroethene	1.76	96	177573	47.34	ug/l	99
9) Trichlorotrifluoroethane	1.77	101	179960	48.80	ug/l	100
10) Acrolein	1.92	56	101718	234.43	ug/l	99
11) Acetone	2.06	43	94089	39.17	ug/l	96
12) Carbon Disulfide	1.78	76	620554	47.54	ug/l	100
13) Methylene Chloride	2.03	84	174034	46.76	ug/l	90
14) METHYLACETATE	2.10	43	98940	50.24	ug/l	98
15) Trans-1,2-Dichloroethene	2.10	96	208485	49.64	ug/l	100
16) Acrylonitrile	2.41	53	230009	237.11	ug/l	99
17) tert-butanol	2.19	59	102790	497.15	ug/l	97
18) 1,1-Dichloroethane	2.39	63	426850	47.70	ug/l	99
19) Cis-1,2-Dichloroethene	2.64	96	216331	48.33	ug/l	98
20) Methyl Ethyl Ketone	2.91	43	177981	49.84	ug/l	99
21) Bromochloromethane	2.74	128	76914	47.35	ug/l	96
22) CYCLOHEXANE	2.74	56	610207	49.76	ug/l	98
23) Chloroform	2.76	83	374756	47.59	ug/l	98
25) 1,1,1-Trichloroethane	2.87	97	334144	47.98	ug/l	98
27) Methyl t-Butyl Ether (MTBE	2.15	73	367540	48.54	ug/l	99
28) Carbon Tetrachloride	2.84	117	242928	47.66	ug/l	99
29) Benzene	3.05	78	898756	47.75	ug/l	100
30) 1,2-Dichloroethane	3.15	62	234282	45.61	ug/l	99
31) METHYLCYCLOHEXANE	3.34	55	473431	49.31	ug/l	99
32) Trichloroethene	3.34	130	215080	49.03	ug/l	98
33) 1,2-dichloropropane	3.61	63	224984	47.04	ug/l	100
34) Bromodichloromethane	3.64	83	250553	46.80	ug/l	99
35) cis-1,3-Dichloropropene	3.99	75	280792	48.81	ug/l	99
36) 4-Methyl-2-Pentanone	4.33	43	266674	52.82	ug/l	98
38) Toluene	4.12	91	929239	47.74	ug/l	100
39) trans-1,3-Dichloropropene	4.36	75	223584	47.83	ug/l	100
40) 1,1,2-Trichloroethane	4.45	97	130350	47.20	ug/l	99
41) 1,2-Dibromoethane	4.71	107	113205	46.16	ug/l	100
43) Tetrachloroethene	4.35	164	165921	52.11	ug/l	97
44) 2-Hexanone	4.83	43	250272	49.44	ug/l	99
45) Dibromochloromethane	4.56	129	142827	47.93	ug/l	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L02.D Vial: 2
Acq On : 25 Sep 2013 7:51 pm Operator:
Sample : NJ TCL-50 PPB STD. Inst : Instrumen
Misc : TUNE / CCAL 50 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 07:07:09 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 07:06:54 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

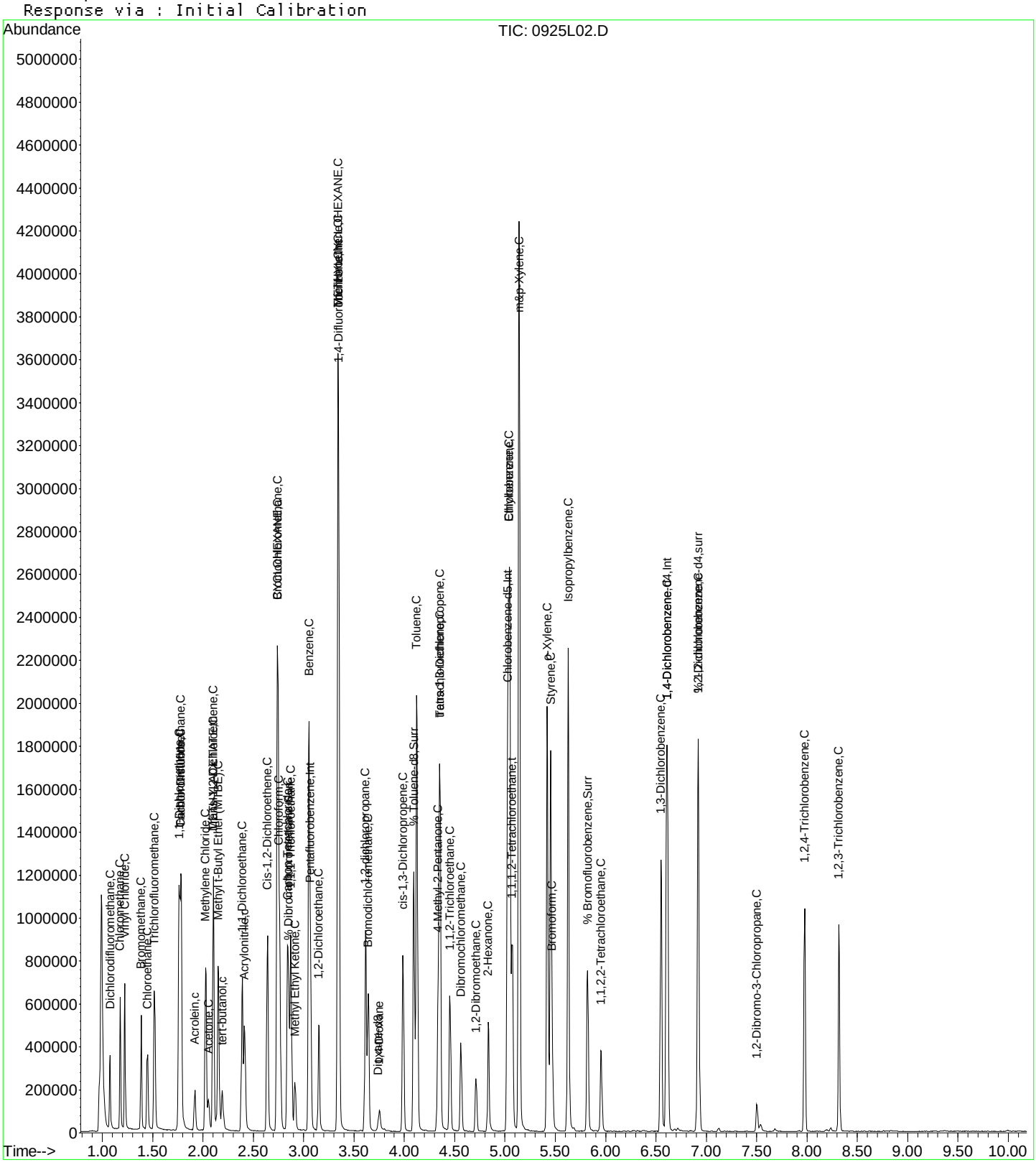
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Chlorobenzene	5.04	112	527189	47.55	ug/l	99
47) 1,1,1,2-Tetrachloroethane	5.07	131	156898	44.56	ug/l	99
48) Ethylbenzene	5.05	91	1059860	47.57	ug/l	99
49) m&p-Xylene	5.14	106	776058	96.32	ug/l	98
50) o-Xylene	5.42	106	370643	49.25	ug/l	100
51) Styrene	5.46	104	531346	47.63	ug/l	99
52) Bromoform	5.47	173	69898	47.11	ug/l	99
56) Isopropylbenzene	5.63	105	1008539	49.52	ug/l	100
57) 1,1,2,2-Tetrachloroethane	5.95	83	147566	46.54	ug/l	99
58) 1,3-Dichlorobenzene	6.55	146	356327	49.00	ug/l	99
59) 1,4-Dichlorobenzene	6.62	146	356279	48.18	ug/l	99
60) 1,2-Dichlorobenzene	6.93	146	324053	47.60	ug/l	99
61) 1,2-Dibromo-3-Chloropropan	7.50	75	22255	45.51	ug/l	97
62) 1,2,4-Trichlorobenzene	7.98	180	189381	49.25	ug/l	100
63) 1,2,3-Trichlorobenzene	8.32	180	171491	47.15	ug/l	99
65) 1,4-Dioxane	3.76	58	45696	2364.24	ug/l	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L02.D Vial: 2
Acq On : 25 Sep 2013 7:51 pm Operator:
Sample : NJ TCL-50 PPB STD. Inst : Instrumen
Misc : TUNE / CCAL 50 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 7:07 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 04 08:21:50 2013
Response via : Initial Calibration



0925L02.D TCLSNJD_0924.M Fri Oct 04 08:21:59 2013 Page 3

7A
VOLATILE CONTINUINING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument: CHEM03 Calibration Date: 09/26/13 Time: 08:14

Lab File Id: 0925L30.D Init. Calib. Date(s): 09/24/13 09/24/13

Heated Purge (Y/N): Y Init. Calib. Times: 13:30 15:21

GC Column: rtx-vms

COMPOUND	RRF	RRF50	RRF MIN	%D	MAX %D
Dichlorodifluoromethane	0.861	0.817	0.010	5.2	50
Chloromethane	1.725	1.692	0.010	1.9	50
Vinyl Chloride	1.544	1.626	0.010	-5.3	50
Bromomethane	0.749	0.773	0.010	-3.1	50
Chloroethane	0.843	0.907	0.010	-7.6	50
Trichlorofluoromethane	1.516	1.543	0.010	-1.8	50
1,1-Dichloroethene	0.892	0.901	0.010	-1.0	50
Trichlorotrifluoroethane	0.877	0.914	0.010	-4.3	50
Acetone	0.571	0.495	0.010	13.4	50
Carbon Disulfide	3.102	3.093	0.010	0.3	50
Methylene Chloride	0.885	0.899	0.010	-1.6	50
METHYLACETATE	0.468	0.530	0.010	-13.2	50
Trans-1,2-Dichloroethene	0.998	1.038	0.010	-3.9	50
1,1-Dichloroethane	2.127	2.242	0.010	-5.4	50
Cis-1,2-Dichloroethene	1.064	1.096	0.010	-3.0	50
Methyl Ethyl Ketone	0.849	0.913	0.010	-7.5	50
Bromochloromethane	0.386	0.411	0.010	-6.5	50
CYCLOHEXANE	2.915	3.136	0.010	-7.6	50
Chloroform	1.872	1.947	0.010	-4.0	50
1,1,1-Trichloroethane	1.655	1.763	0.010	-6.5	50
Methyl t-Butyl Ether (MTBE)	0.972	1.077	0.010	-10.7	50
Carbon Tetrachloride	0.655	0.698	0.010	-6.6	50
Benzene	2.417	2.506	0.010	-3.7	50
1,2-Dichloroethane	0.660	0.681	0.010	-3.2	50
METHYLCYCLOHEXANE	1.233	1.318	0.010	-6.8	50
Trichloroethene	0.563	0.630	0.010	-11.8	50
1,2-dichloropropane	0.614	0.644	0.010	-4.8	50
Bromodichloromethane	0.688	0.712	0.010	-3.5	50
cis-1,3-Dichloropropene	0.739	0.762	0.010	-3.2	50
4-Methyl-2-Pentanone	0.648	0.655	0.010	-1.0	50
Toluene	2.500	2.695	0.010	-7.8	50
trans-1,3-Dichloropropene	0.600	0.624	0.010	-3.9	50
1,1,2-Trichloroethane	0.355	0.371	0.010	-4.5	50
1,2-Dibromoethane	0.315	0.332	0.010	-5.5	50
Tetrachloroethene	0.449	0.458	0.010	-1.9	50
2-Hexanone	0.714	0.753	0.010	-5.5	50

* Minimum RRF not met for this compound.

7B
VOLATILE CONTINUINING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument: CHEM03 Calibration Date: 09/26/13 Time: 08:14

Lab File Id: 0925L30.D Init. Calib. Date(s): 09/24/13 09/24/13

Heated Purge (Y/N): Y Init. Calib. Times: 13:30 15:21

GC Column: rtx-vms

COMPOUND	RRF	RRF50	RRF MIN	%D	MAX %D
Dibromochloromethane	0.420	0.448	0.010	-6.7	50
Chlorobenzene	1.564	1.571	0.010	-0.5	50
Ethylbenzene	3.142	3.168	0.010	-0.8	50
m&p-Xylene	1.136	1.138	0.010	-0.1	50
o-Xylene	1.061	1.098	0.010	-3.5	50
Styrene	1.573	1.576	0.010	-0.1	50
Bromoform	0.209	0.223	0.010	-6.6	50
Isopropylbenzene	5.516	5.729	0.010	-3.9	50
1,1,2,2-Tetrachloroethane	0.859	0.791	0.010	7.9	50
1,3-Dichlorobenzene	1.970	1.920	0.010	2.6	50
1,4-Dichlorobenzene	2.003	1.863	0.010	7.0	50
1,2-Dichlorobenzene	1.844	1.786	0.010	3.2	50
1,2-Dibromo-3-Chloropropane	0.132	0.145	0.010	-9.6	50
1,2,4-Trichlorobenzene	1.041	0.910	0.010	12.6	50
1,2,3-Trichlorobenzene	0.985	0.906	0.010	8.0	50
1,4-Dioxane	1.488	2.218	0.010	-49.1	50
% 1,2-dichlorobenzene-d4	0.874	0.881	0.010	-0.8	50
% Bromofluorobenzene	0.532	0.530	0.010	0.5	50
% Dibromofluoromethane	0.081	0.084	0.010	-3.7	50
% Toluene-d8	1.283	1.277	0.010	0.4	50

* Minimum RRF not met for this compound.

Quantitation Report (QT Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L30.D Vial: 30
Acq On : 26 Sep 2013 8:14 am Operator:
Sample : NJ TCL-50/200/500/2000PPB STD Inst : Instrumen
Misc : CCCAL 50 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 11:30:09 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Wed Sep 25 06:40:59 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	190055	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	348983	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	318388	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.60	152	167009	50.00	ug/l	0.00
64) Dioxane-d8	3.73	96	5445	50.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.86	192	15954	51.88	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 103.76%			
37) % Toluene-d8	4.10	98	445648	49.78	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.56%			
53) % Bromofluorobenzene	5.82	95	168727	49.77	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.54%			
55) % 1,2-dichlorobenzene-d4	6.91	152	147149	50.40	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.07	85	155269	47.42	ug/l	100
3) Chloromethane	1.18	50	321532	49.05	ug/l	100
4) Vinyl Chloride	1.22	62	309044	52.64	ug/l	100
5) Bromomethane	1.39	94	146830	51.55	ug/l	99
6) Chloroethane	1.44	64	172379	53.78	ug/l	99
7) Trichlorofluoromethane	1.52	101	293193	50.88	ug/l	99
8) 1,1-Dichloroethene	1.76	96	171206	50.52	ug/l	98
9) Trichlorotrifluoroethane	1.77	101	173735	52.14	ug/l	100
10) Acrolein	1.92	56	80905	206.38	ug/l	100
11) Acetone	2.06	43	93979	43.30	ug/l	97
12) Carbon Disulfide	1.78	76	587870	49.85	ug/l	100
13) Methylene Chloride	2.02	84	170869	50.82	ug/l	94
14) METHYLACETATE	2.10	43	100752	56.62	ug/l	97
15) Trans-1,2-Dichloroethene	2.10	96	197181	51.96	ug/l	100
16) Acrylonitrile	2.41	53	238472	272.09	ug/l	100
17) tert-butanol	2.19	59	112076	599.96	ug/l	98
18) 1,1-Dichloroethane	2.39	63	426181	52.71	ug/l	99
19) Cis-1,2-Dichloroethene	2.64	96	208334	51.51	ug/l	99
20) Methyl Ethyl Ketone	2.91	43	173423	53.75	ug/l	98
21) Bromochloromethane	2.74	128	78179	53.27	ug/l	96
22) CYCLOHEXANE	2.74	56	596076	53.80	ug/l	99
23) Chloroform	2.76	83	370092	52.02	ug/l	99
25) 1,1,1-Trichloroethane	2.87	97	335011	53.24	ug/l	99
27) Methyl t-Butyl Ether (MTBE	2.15	73	375797	55.37	ug/l	99
28) Carbon Tetrachloride	2.84	117	243429	53.28	ug/l	99
29) Benzene	3.05	78	874655	51.84	ug/l	100
30) 1,2-Dichloroethane	3.15	62	237554	51.60	ug/l	99
31) METHYLCYCLOHEXANE	3.34	55	459794	53.42	ug/l	100
32) Trichloroethene	3.34	130	219833	55.91	ug/l	98
33) 1,2-dichloropropane	3.61	63	224598	52.38	ug/l	100
34) Bromodichloromethane	3.64	83	248344	51.75	ug/l	99
35) cis-1,3-Dichloropropene	3.99	75	265957	51.57	ug/l	100
36) 4-Methyl-2-Pentanone	4.33	43	228519	50.49	ug/l	99
38) Toluene	4.12	91	940534	53.91	ug/l	100
39) trans-1,3-Dichloropropene	4.36	75	217761	51.97	ug/l	98
40) 1,1,2-Trichloroethane	4.45	97	129344	52.25	ug/l	99
41) 1,2-Dibromoethane	4.71	107	115940	52.74	ug/l	96
43) Tetrachloroethene	4.35	164	145746	50.97	ug/l	100
44) 2-Hexanone	4.83	43	239716	52.73	ug/l	99
45) Dibromochloromethane	4.56	129	142760	53.35	ug/l	99

(#) = qualifier out of range (m) = manual integration

Data File : H:\V2013\CHEM03\09SEP\092513\0925L30.D Vial: 30
Acq On : 26 Sep 2013 8:14 am Operator:
Sample : NJ TCL-50/200/500/2000PPB STD Inst : Instrumen
Misc : CCCAL 50 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 11:30:09 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Wed Sep 25 06:40:59 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

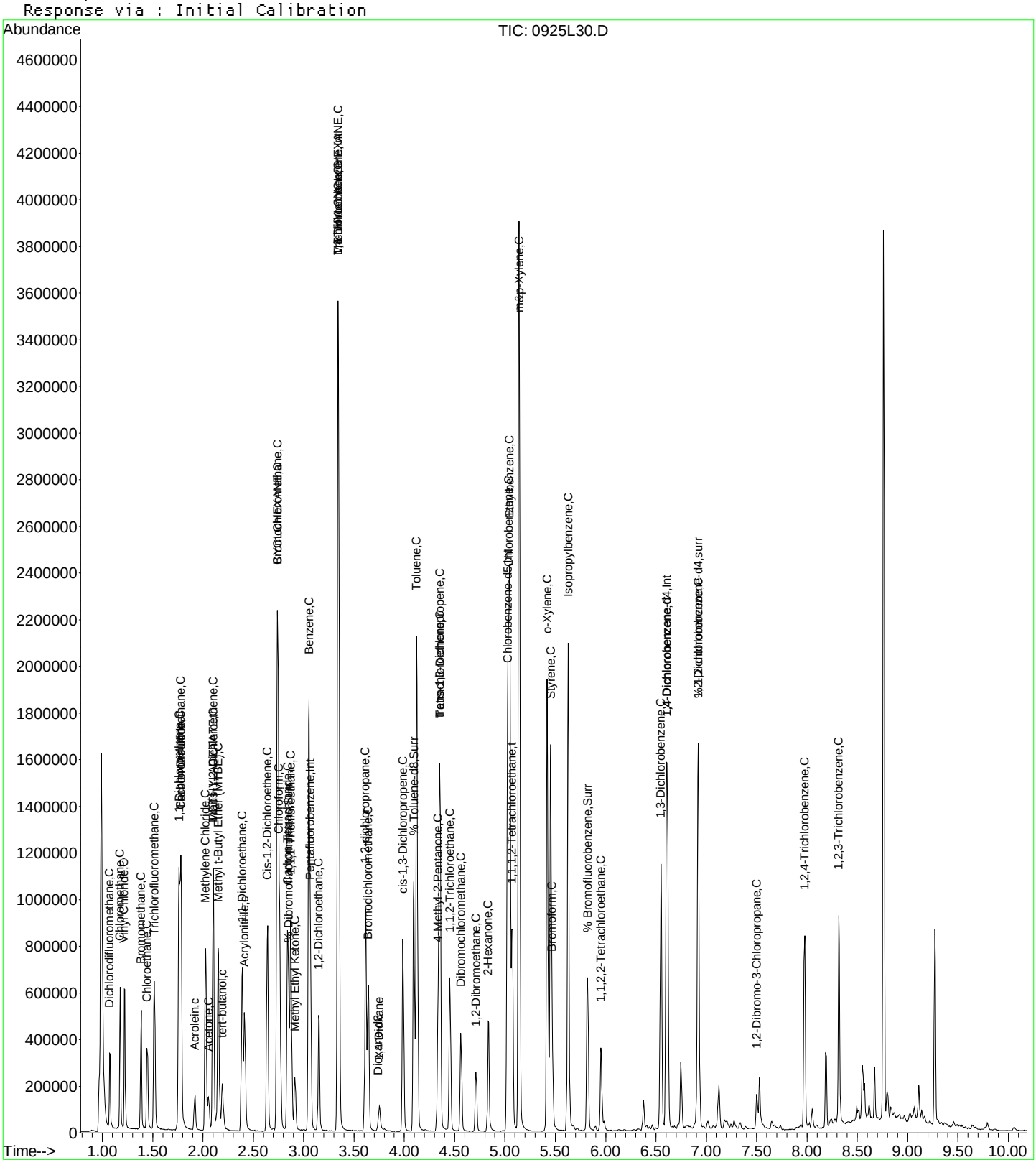
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Chlorobenzene	5.03	112	500256	50.25	ug/l	98
47) 1,1,1,2-Tetrachloroethane	5.07	131	157036	49.67	ug/l	99
48) Ethylbenzene	5.05	91	1008696	50.41	ug/l	100
49) m&p-Xylene	5.14	106	724384	100.11	ug/l	99
50) o-Xylene	5.42	106	349577	51.72	ug/l	99
51) Styrene	5.46	104	501615	50.07	ug/l	98
52) Bromoform	5.47	173	71013	53.29	ug/l	99
56) Isopropylbenzene	5.63	105	956806	51.93	ug/l	100
57) 1,1,2,2-Tetrachloroethane	5.95	83	132067	46.04	ug/l	99
58) 1,3-Dichlorobenzene	6.55	146	320576	48.72	ug/l	99
59) 1,4-Dichlorobenzene	6.62	146	311129	46.50	ug/l	99
60) 1,2-Dichlorobenzene	6.93	146	298201	48.42	ug/l	99
61) 1,2-Dibromo-3-Chloropropan	7.50	75	24237	54.78	ug/l	99
62) 1,2,4-Trichlorobenzene	7.98	180	152034	43.71	ug/l	98
63) 1,2,3-Trichlorobenzene	8.32	180	151384	46.01	ug/l	99
65) 1,4-Dioxane	3.75	58	48310	298.15	ug/l	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L30.D Vial: 30
Acq On : 26 Sep 2013 8:14 am Operator:
Sample : NJ TCL-50/200/500/2000PPB STD Inst : Instrumen
Misc : CCCAL 50 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 11:30 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 04 08:21:50 2013
Response via : Initial Calibration



7A
VOLATILE CONTINUINING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument: CHEM03 Calibration Date: 09/26/13 Time: 13:41

Lab File Id: 0926L02A.D Init. Calib. Date(s): 09/24/13 09/24/13

Heated Purge (Y/N): Y Init. Calib. Times: 13:30 15:21

GC Column: rtx-vms

COMPOUND	RRF	RRF50	RRF MIN	%D	MAX %D
Dichlorodifluoromethane	0.861	0.898	0.010	-4.3	40
Chloromethane	1.725	1.669	0.100	3.3	40
Vinyl Chloride	1.544	1.557	0.100	-0.8	25
Bromomethane	0.749	0.754	0.100	-0.6	25
Chloroethane	0.843	0.868	0.010	-2.9	40
Trichlorofluoromethane	1.516	1.515	0.010	0.1	40
1,1-Dichloroethene	0.892	0.900	0.100	-0.9	25
Trichlorotrifluoroethane	0.877	0.917	0.010	-4.6	40
Acetone	0.571	0.436	0.010	23.6	40
Carbon Disulfide	3.102	3.274	0.010	-5.5	40
Methylene Chloride	0.885	0.833	0.010	5.9	40
METHYLACETATE	0.468	0.468	0.010	0.0	40
Trans-1,2-Dichloroethene	0.998	0.974	0.010	2.5	40
1,1-Dichloroethane	2.127	2.085	0.200	2.0	25
Cis-1,2-Dichloroethene	1.064	1.028	0.010	3.4	40
Methyl Ethyl Ketone	0.849	0.808	0.010	4.8	40
Bromochloromethane	0.386	0.372	0.050	3.6	25
CYCLOHEXANE	2.915	2.961	0.010	-1.6	40
Chloroform	1.872	1.817	0.200	2.9	25
1,1,1-Trichloroethane	1.655	1.617	0.100	2.3	25
Methyl t-Butyl Ether (MTBE)	0.972	0.957	0.010	1.6	40
Carbon Tetrachloride	0.655	0.653	0.100	0.3	25
Benzene	2.417	2.329	0.400	3.7	25
1,2-Dichloroethane	0.660	0.643	0.100	2.5	25
METHYLCYCLOHEXANE	1.233	1.259	0.010	-2.1	40
Trichloroethene	0.563	0.551	0.300	2.1	25
1,2-dichloropropane	0.614	0.593	0.010	3.4	40
Bromodichloromethane	0.688	0.675	0.200	1.8	25
cis-1,3-Dichloropropene	0.739	0.735	0.200	0.5	25
4-Methyl-2-Pentanone	0.648	0.552	0.010	14.9	40
Toluene	2.500	2.407	0.400	3.7	25
trans-1,3-Dichloropropene	0.600	0.600	0.100	0.1	25
1,1,2-Trichloroethane	0.355	0.338	0.100	4.7	25
1,2-Dibromoethane	0.315	0.303	0.010	3.7	40
Tetrachloroethene	0.449	0.439	0.100	2.2	25
2-Hexanone	0.714	0.629	0.010	11.9	40

* Minimum RRF not met for this compound.

7B
VOLATILE CONTINUINING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument: CHEM03 Calibration Date: 09/26/13 Time: 13:41

Lab File Id: 0926L02A.D Init. Calib. Date(s): 09/24/13 09/24/13

Heated Purge (Y/N): Y Init. Calib. Times: 13:30 15:21

GC Column: rtx-vms

COMPOUND	RRF	RRF50	RRF MIN	%D	MAX %D
Dibromochloromethane	0.420	0.410	0.100	2.4	25
Chlorobenzene	1.564	1.486	0.500	5.0	25
Ethylbenzene	3.142	3.004	0.100	4.4	25
m&p-Xylene	1.136	1.082	0.300	4.8	25
o-Xylene	1.061	1.025	0.300	3.4	25
Styrene	1.573	1.501	0.300	4.6	25
Bromoform	0.209	0.206	0.050	1.8	25
Isopropylbenzene	5.516	5.300	0.010	3.9	40
1,1,2,2-Tetrachloroethane	0.859	0.776	0.300	9.6	25
1,3-Dichlorobenzene	1.970	1.836	0.600	6.8	25
1,4-Dichlorobenzene	2.003	1.818	0.500	9.2	25
1,2-Dichlorobenzene	1.844	1.684	0.400	8.7	25
1,2-Dibromo-3-Chloropropane	0.132	0.124	0.010	6.8	40
1,2,4-Trichlorobenzene	1.041	0.935	0.200	10.3	25
1,2,3-Trichlorobenzene	0.985	0.901	0.200	8.5	25
1,4-Dioxane	1.488	1.557	0.010	-4.6	40
% 1,2-dichlorobenzene-d4	0.874	0.864	0.010	1.1	25
% Bromofluorobenzene	0.532	0.543	0.010	-1.9	25
% Dibromofluoromethane	0.081	0.082	0.010	-0.7	25
% Toluene-d8	1.283	1.307	0.010	-1.9	25

* Minimum RRF not met for this compound.

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L02A.D Vial: 3
Acq On : 26 Sep 2013 1:41 pm Operator:
Sample : NJ TCL-50 PPB STD. Inst : Instrumen
Misc : CCAL 50 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 05:55:13 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	190374	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	348813	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	320946	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.60	152	172010	50.00	ug/l	0.00
64) Dioxane-d8	3.73	96	6526	500.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.85	192	15508	50.34	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.68%			
37) % Toluene-d8	4.10	98	455991	50.97	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.94%			
53) % Bromofluorobenzene	5.82	95	174136	50.96	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.92%			
55) % 1,2-dichlorobenzene-d4	6.91	152	148656	49.44	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.08	85	171029	52.15	ug/l	98
3) Chloromethane	1.18	50	317639	48.37	ug/l	99
4) Vinyl Chloride	1.22	62	296327	50.39	ug/l	99
5) Bromomethane	1.39	94	143539	50.31	ug/l	100
6) Chloroethane	1.45	64	165154	51.44	ug/l	100
7) Trichlorofluoromethane	1.52	101	288341	49.95	ug/l	99
8) 1,1-Dichloroethene	1.76	96	171314	50.47	ug/l	94
9) Trichlorotrifluoroethane	1.77	101	174511	52.29	ug/l	99
10) Acrolein	1.92	56	91713	233.56	ug/l	100
11) Acetone	2.06	43	83034	38.19	ug/l	97
12) Carbon Disulfide	1.78	76	623290	52.76	ug/l	99
13) Methylene Chloride	2.02	84	158497	47.06	ug/l	97
14) METHYLACETATE	2.10	43	89125	50.00	ug/l	99
15) Trans-1,2-Dichloroethene	2.10	96	185344	48.76	ug/l	98
16) Acrylonitrile	2.41	53	217123	247.32	ug/l	99
17) tert-butanol	2.19	59	91328	488.08	ug/l	99
18) 1,1-Dichloroethane	2.39	63	396908	49.01	ug/l	100
19) Cis-1,2-Dichloroethene	2.64	96	195731	48.32	ug/l	100
20) Methyl Ethyl Ketone	2.91	43	153782	47.58	ug/l	100
21) Bromochloromethane	2.74	128	70884	48.22	ug/l	100
22) CYCLOHEXANE	2.74	56	563704	50.79	ug/l	99
23) Chloroform	2.76	83	345916	48.54	ug/l	100
25) 1,1,1-Trichloroethane	2.87	97	307917	48.86	ug/l	99
27) Methyl t-Butyl Ether (MTBE	2.15	73	333932	49.22	ug/l	100
28) Carbon Tetrachloride	2.84	117	227670	49.85	ug/l	100
29) Benzene	3.06	78	812351	48.17	ug/l	100
30) 1,2-Dichloroethane	3.15	62	224408	48.77	ug/l	100
31) METHYLCYCLOHEXANE	3.34	55	439100	51.04	ug/l	99
32) Trichloroethene	3.34	130	192328	48.94	ug/l	98
33) 1,2-dichloropropane	3.61	63	206973	48.29	ug/l	100
34) Bromodichloromethane	3.64	83	235496	49.10	ug/l	99
35) cis-1,3-Dichloropropene	3.99	75	256486	49.76	ug/l	99
36) 4-Methyl-2-Pentanone	4.33	43	192582	42.57	ug/l	100
38) Toluene	4.12	91	839577	48.15	ug/l	99
39) trans-1,3-Dichloropropene	4.36	75	209259	49.97	ug/l	99
40) 1,1,2-Trichloroethane	4.45	97	117889	47.64	ug/l	97
41) 1,2-Dibromoethane	4.71	107	105814	48.16	ug/l	100
43) Tetrachloroethene	4.35	164	140882	48.87	ug/l	99
44) 2-Hexanone	4.83	43	201922	44.06	ug/l	99
45) Dibromochloromethane	4.56	129	131656	48.80	ug/l	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L02A.D Vial: 3
Acq On : 26 Sep 2013 1:41 pm Operator:
Sample : NJ TCL-50 PPB STD. Inst : Instrumen
Misc : CCAL 50 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 05:55:13 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

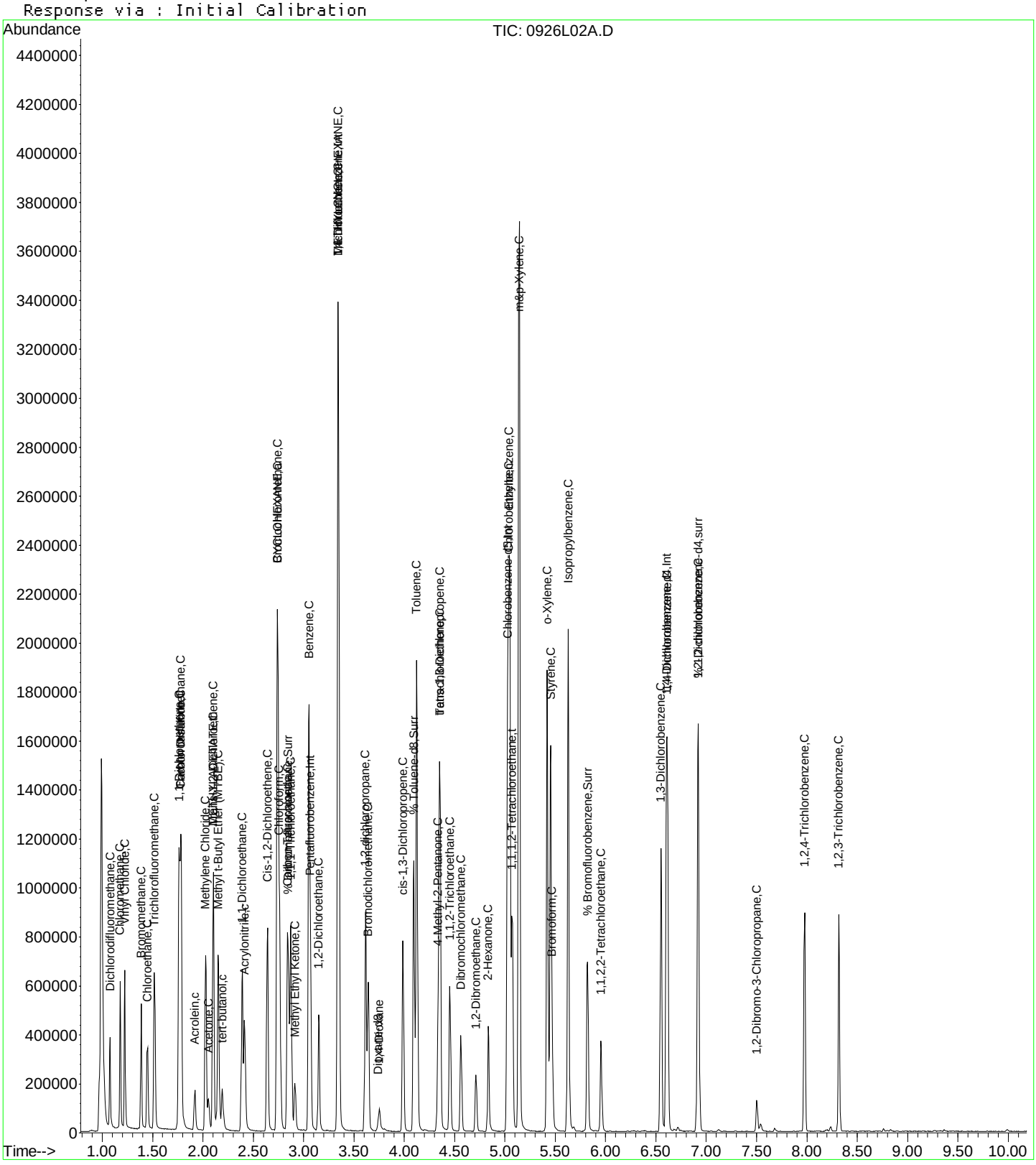
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Chlorobenzene	5.03	112	476919	47.52	ug/l	99
47) 1,1,1,2-Tetrachloroethane	5.07	131	157344	49.37	ug/l	100
48) Ethylbenzene	5.05	91	964131	47.80	ug/l	98
49) m&p-Xylene	5.14	106	694540	95.22	ug/l	100
50) o-Xylene	5.42	106	329061	48.30	ug/l	98
51) Styrene	5.46	104	481780	47.71	ug/l	99
52) Bromoform	5.47	173	65960	49.11	ug/l	99
56) Isopropylbenzene	5.63	105	911696	48.04	ug/l	100
57) 1,1,2,2-Tetrachloroethane	5.95	83	133536	45.20	ug/l	100
58) 1,3-Dichlorobenzene	6.55	146	315779	46.60	ug/l	99
59) 1,4-Dichlorobenzene	6.62	146	312756	45.39	ug/l	100
60) 1,2-Dichlorobenzene	6.92	146	289656	45.67	ug/l	99
61) 1,2-Dibromo-3-Chloropropan	7.50	75	21237	46.61	ug/l	98
62) 1,2,4-Trichlorobenzene	7.98	180	160737	44.86	ug/l	98
63) 1,2,3-Trichlorobenzene	8.32	180	155006	45.74	ug/l	100
65) 1,4-Dioxane	3.75	58	40641	2092.71	ug/l	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L02A.D Vial: 3
Acq On : 26 Sep 2013 1:41 pm Operator:
Sample : NJ TCL-50 PPB STD. Inst : Instrumen
Misc : CCAL 50 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 5:55 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 04 08:30:36 2013
Response via : Initial Calibration



7A
VOLATILE CONTINUINING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument: CHEM03 Calibration Date: 09/26/13 Time: 19:42

Lab File Id: 0926L20.D Init. Calib. Date(s): 09/24/13 09/24/13

Heated Purge (Y/N): Y Init. Calib. Times: 13:30 15:21

GC Column: rtx-vms

COMPOUND	RRF	RRF50	RRF MIN	%D	MAX %D
Dichlorodifluoromethane	0.861	0.939	0.010	-9.0	50
Chloromethane	1.725	1.711	0.010	0.8	50
Vinyl Chloride	1.544	1.626	0.010	-5.3	50
Bromomethane	0.749	0.803	0.010	-7.1	50
Chloroethane	0.843	0.907	0.010	-7.6	50
Trichlorofluoromethane	1.516	1.649	0.010	-8.7	50
1,1-Dichloroethene	0.892	0.888	0.010	0.4	50
Trichlorotrifluoroethane	0.877	0.929	0.010	-6.0	50
Acetone	0.571	0.558	0.010	2.3	50
Carbon Disulfide	3.102	3.144	0.010	-1.3	50
Methylene Chloride	0.885	0.873	0.010	1.3	50
METHYLACETATE	0.468	0.515	0.010	-10.0	50
Trans-1,2-Dichloroethene	0.998	0.990	0.010	0.9	50
1,1-Dichloroethane	2.127	2.128	0.010	0.0	50
Cis-1,2-Dichloroethene	1.064	1.050	0.010	1.3	50
Methyl Ethyl Ketone	0.849	0.964	0.010	-13.5	50
Bromochloromethane	0.386	0.386	0.010	-0.1	50
CYCLOHEXANE	2.915	2.972	0.010	-1.9	50
Chloroform	1.872	1.902	0.010	-1.6	50
1,1,1-Trichloroethane	1.655	1.670	0.010	-0.9	50
Methyl t-Butyl Ether (MTBE)	0.972	0.960	0.010	1.2	50
Carbon Tetrachloride	0.655	0.664	0.010	-1.5	50
Benzene	2.417	2.374	0.010	1.8	50
1,2-Dichloroethane	0.660	0.687	0.010	-4.2	50
METHYLCYCLOHEXANE	1.233	1.277	0.010	-3.5	50
Trichloroethene	0.563	0.582	0.010	-3.3	50
1,2-dichloropropane	0.614	0.604	0.010	1.7	50
Bromodichloromethane	0.688	0.710	0.010	-3.2	50
cis-1,3-Dichloropropene	0.739	0.753	0.010	-2.0	50
4-Methyl-2-Pentanone	0.648	0.685	0.010	-5.6	50
Toluene	2.500	2.447	0.010	2.1	50
trans-1,3-Dichloropropene	0.600	0.622	0.010	-3.5	50
1,1,2-Trichloroethane	0.355	0.364	0.010	-2.5	50
1,2-Dibromoethane	0.315	0.322	0.010	-2.2	50
Tetrachloroethene	0.449	0.433	0.010	3.5	50
2-Hexanone	0.714	0.750	0.010	-5.0	50

* Minimum RRF not met for this compound.

7B
VOLATILE CONTINUINING CALIBRATION CHECK

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument: CHEM03 Calibration Date: 09/26/13 Time: 19:42

Lab File Id: 0926L20.D Init. Calib. Date(s): 09/24/13 09/24/13

Heated Purge (Y/N): Y Init. Calib. Times: 13:30 15:21

GC Column: rtx-vms

COMPOUND	RRF	RRF50	RRF MIN	%D	MAX %D
Dibromochloromethane	0.420	0.424	0.010	-1.0	50
Chlorobenzene	1.564	1.475	0.010	5.7	50
Ethylbenzene	3.142	2.969	0.010	5.5	50
m&p-Xylene	1.136	1.071	0.010	5.8	50
o-Xylene	1.061	1.034	0.010	2.6	50
Styrene	1.573	1.498	0.010	4.8	50
Bromoform	0.209	0.216	0.010	-3.0	50
Isopropylbenzene	5.516	5.212	0.010	5.5	50
1,1,2,2-Tetrachloroethane	0.859	0.789	0.010	8.1	50
1,3-Dichlorobenzene	1.970	1.821	0.010	7.6	50
1,4-Dichlorobenzene	2.003	1.840	0.010	8.1	50
1,2-Dichlorobenzene	1.844	1.714	0.010	7.1	50
1,2-Dibromo-3-Chloropropane	0.132	0.140	0.010	-5.3	50
1,2,4-Trichlorobenzene	1.041	0.960	0.010	7.9	50
1,2,3-Trichlorobenzene	0.985	0.926	0.010	6.0	50
1,4-Dioxane	1.488	1.585	0.010	-6.5	50
% 1,2-dichlorobenzene-d4	0.874	0.875	0.010	-0.1	50
% Bromofluorobenzene	0.532	0.531	0.010	0.2	50
% Dibromofluoromethane	0.081	0.084	0.010	-4.1	50
% Toluene-d8	1.283	1.303	0.010	-1.6	50

* Minimum RRF not met for this compound.

Quantitation Report (QT Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L20.D Vial: 20
Acq On : 26 Sep 2013 7:42 pm Operator:
Sample : NJ TCL-50/200/500/2000PPB STD Inst : Instrumen
Misc : CCCAL 50 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 05:55:32 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	160695	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	298065	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	281701	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.60	152	150881	50.00	ug/l	0.00
64) Dioxane-d8	3.73	96	6168	500.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.85	192	13538	52.06	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 104.12%			
37) % Toluene-d8	4.10	98	388406	50.80	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.60%			
53) % Bromofluorobenzene	5.82	95	149698	49.91	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.82%			
55) % 1,2-dichlorobenzene-d4	6.91	152	131985	50.04	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.08%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.08	85	150848	54.49	ug/l	99
3) Chloromethane	1.18	50	274994	49.61	ug/l	97
4) Vinyl Chloride	1.22	62	261264	52.64	ug/l	99
5) Bromomethane	1.39	94	128990	53.56	ug/l	99
6) Chloroethane	1.44	64	145774	53.79	ug/l	99
7) Trichlorofluoromethane	1.52	101	264924	54.37	ug/l	98
8) 1,1-Dichloroethene	1.76	96	142644	49.78	ug/l	95
9) Trichlorotrifluoroethane	1.77	101	149348	53.01	ug/l	99
10) Acrolein	1.92	56	82425	248.67	ug/l	99
11) Acetone	2.06	43	89652	48.85	ug/l	98
12) Carbon Disulfide	1.78	76	505149	50.66	ug/l	100
13) Methylene Chloride	2.02	84	140285	49.35	ug/l	96
14) METHYLACETATE	2.10	43	82725	54.98	ug/l	99
15) Trans-1,2-Dichloroethene	2.10	96	159016	49.56	ug/l	97
16) Acrylonitrile	2.41	53	198671	268.10	ug/l	98
17) tert-butanol	2.19	59	89786	568.46	ug/l	97
18) 1,1-Dichloroethane	2.39	63	341929	50.02	ug/l	98
19) Cis-1,2-Dichloroethene	2.64	96	168781	49.36	ug/l	99
20) Methyl Ethyl Ketone	2.91	43	154869	56.77	ug/l	100
21) Bromochloromethane	2.74	128	62095	50.04	ug/l	96
22) CYCLOHEXANE	2.74	56	477528	50.97	ug/l	99
23) Chloroform	2.76	83	305697	50.82	ug/l	99
25) 1,1,1-Trichloroethane	2.87	97	268281	50.43	ug/l	99
27) Methyl t-Butyl Ether (MTBE	2.15	73	286236	49.38	ug/l	98
28) Carbon Tetrachloride	2.84	117	197986	50.74	ug/l	99
29) Benzene	3.05	78	707542	49.10	ug/l	100
30) 1,2-Dichloroethane	3.15	62	204805	52.08	ug/l	100
31) METHYLCYCLOHEXANE	3.34	55	380606	51.78	ug/l	98
32) Trichloroethene	3.34	130	173505	51.66	ug/l	98
33) 1,2-dichloropropane	3.61	63	179995	49.15	ug/l	100
34) Bromodichloromethane	3.64	83	211508	51.60	ug/l	97
35) cis-1,3-Dichloropropene	3.99	75	224537	50.98	ug/l	99
36) 4-Methyl-2-Pentanone	4.33	43	204030	52.78	ug/l	100
38) Toluene	4.12	91	729377	48.95	ug/l	100
39) trans-1,3-Dichloropropene	4.36	75	185270	51.77	ug/l	100
40) 1,1,2-Trichloroethane	4.45	97	108383	51.26	ug/l	99
41) 1,2-Dibromoethane	4.71	107	95964	51.11	ug/l	99
43) Tetrachloroethene	4.35	164	122079	48.25	ug/l	98
44) 2-Hexanone	4.83	43	211244	52.52	ug/l	97
45) Dibromochloromethane	4.56	129	119522	50.48	ug/l	99

(#) = qualifier out of range (m) = manual integration

Data File : H:\V2013\CHEM03\09SEP\092613\0926L20.D Vial: 20
Acq On : 26 Sep 2013 7:42 pm Operator:
Sample : NJ TCL-50/200/500/2000PPB STD Inst : Instrumen
Misc : CCCAL 50 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 05:55:32 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

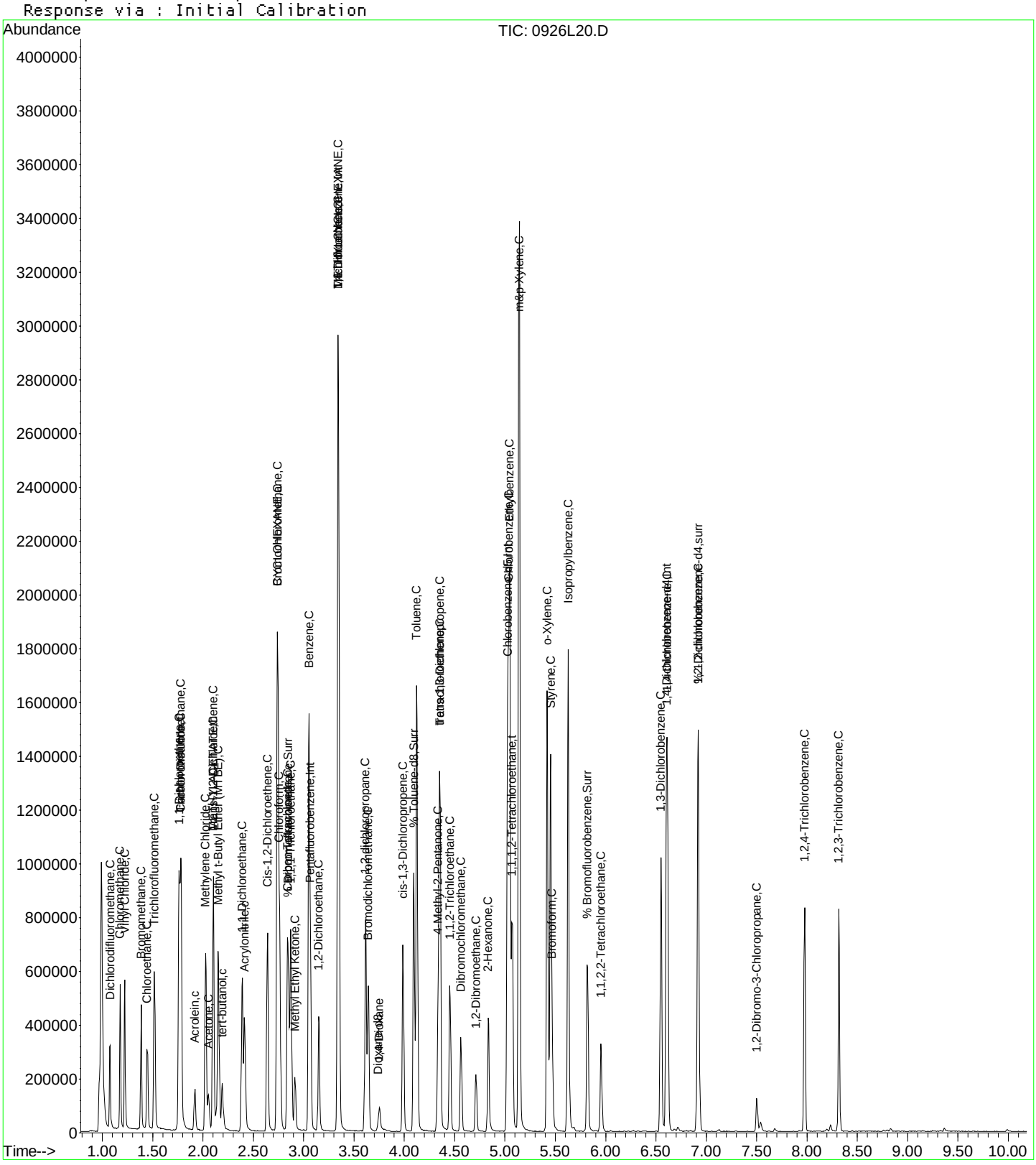
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46)	Chlorobenzene	5.03	112	415511	47.17	ug/l	99
47)	1,1,1,2-Tetrachloroethane	5.07	131	136173	48.68	ug/l	98
48)	Ethylbenzene	5.05	91	836405	47.25	ug/l	99
49)	m&p-Xylene	5.14	106	603228	94.23	ug/l	99
50)	o-Xylene	5.42	106	291227	48.70	ug/l	99
51)	Styrene	5.46	104	422076	47.62	ug/l	97
52)	Bromoform	5.47	173	60725	51.51	ug/l	99
56)	Isopropylbenzene	5.63	105	786327	47.24	ug/l	99
57)	1,1,2,2-Tetrachloroethane	5.95	83	119058	45.94	ug/l	98
58)	1,3-Dichlorobenzene	6.55	146	274749	46.22	ug/l	99
59)	1,4-Dichlorobenzene	6.62	146	277677	45.94	ug/l	99
60)	1,2-Dichlorobenzene	6.93	146	258565	46.47	ug/l	99
61)	1,2-Dibromo-3-Chloropropan	7.50	75	21047	52.66	ug/l	97
62)	1,2,4-Trichlorobenzene	7.98	180	144774	46.07	ug/l	100
63)	1,2,3-Trichlorobenzene	8.32	180	139723	47.00	ug/l	100
65)	1,4-Dioxane	3.75	58	39099	2130.16	ug/l	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L20.D Vial: 20
Acq On : 26 Sep 2013 7:42 pm Operator:
Sample : NJ TCL-50/200/500/2000PPB STD Inst : Instrumen
Misc : CCCAL 50 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 5:55 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration



CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

BF43374 LCS

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: LCS NJ TCL-50 PPB STD.

Sample wt/vol: 5 (g/mL) g Lab File ID: 0925L03.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: n.a. Date Analyzed: 09/25/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	37		1.3	5.0
74-87-3	Chloromethane	48		2.6	5.0
75-01-4	Vinyl Chloride	50		1.6	5.0
74-83-9	Bromomethane	49		3.9	5.0
75-00-3	Chloroethane	53		1.2	5.0
75-69-4	Trichlorofluoromethane	56		1.1	5.0
75-35-4	1,1-Dichloroethene	44		1.1	5.0
76-13-1	Trichlorotrifluoroethane	52		0.78	5.0
67-64-1	Acetone	19		5.0	50
75-15-0	Carbon Disulfide	41		0.81	5.0
75-09-2	Methylene Chloride	52		0.82	5.0
79-20-9	METHYLACETATE	59		5.0	5.0
156-60-5	Trans-1,2-Dichloroethene	53		1.0	5.0
75-34-3	1,1-Dichloroethane	54		0.99	5.0
156-59-2	Cis-1,2-Dichloroethene	56		1.1	5.0
78-93-3	Methyl Ethyl Ketone	25		4.3	30
74-97-5	Bromochloromethane	57		0.73	5.0
110-82-7	CYCLOHEXANE	53		5.0	5.0
67-66-3	Chloroform	56		0.91	5.0
71-55-6	1,1,1-Trichloroethane	56		1.0	5.0
1634-04-4	Methyl t-Butyl Ether (MTBE)	57		1.4	10
56-23-5	Carbon Tetrachloride	56		0.58	5.0
71-43-2	Benzene	53		0.99	5.0
107-06-2	1,2-Dichloroethane	55		0.44	5.0
108-87-2	METHYLCYCLOHEXANE	56		5.0	5.0
79-01-6	Trichloroethene	58		1.1	5.0
78-87-5	1,2-dichloropropane	57		0.71	5.0
75-27-4	Bromodichloromethane	57		0.62	5.0
10061-01-5	cis-1,3-Dichloropropene	58		0.54	5.0
108-10-1	4-Methyl-2-Pentanone	38		1.2	25
108-88-3	Toluene	55		0.79	5.0
10061-02-6	trans-1,3-Dichloropropene	57		1.0	5.0
79-00-5	1,1,2-Trichloroethane	58		0.49	5.0
106-93-4	1,2-Dibromoethane	59		1.3	5.0
127-18-4	Tetrachloroethene	62		1.1	5.0
591-78-6	2-Hexanone	27		2.3	25

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

BF43374 LCS

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: LCS NJ TCL-50 PPB STD.

Sample wt/vol: 5 (g/mL) g Lab File ID: 0925L03.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: n.a. Date Analyzed: 09/25/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	60		0.56	5.0
108-90-7	Chlorobenzene	58		0.74	5.0
100-41-4	Ethylbenzene	56		0.91	5.0
179601-23-1	m&p-Xylene	110		2.0	5.0
95-47-6	o-Xylene	58		1.9	5.0
100-42-5	Styrene	60		1.4	5.0
75-25-2	Bromoform	60		0.70	5.0
98-82-8	Isopropylbenzene	59		0.96	5.0
79-34-5	1,1,2,2-Tetrachloroethane	56		0.71	5.0
541-73-1	1,3-Dichlorobenzene	59		0.74	5.0
106-46-7	1,4-Dichlorobenzene	57		0.79	5.0
95-50-1	1,2-Dichlorobenzene	57		0.55	5.0
96-12-8	1,2-Dibromo-3-Chloropropane	57		1.3	5.0
120-82-1	1,2,4-Trichlorobenzene	59		0.59	5.0
87-61-6	1,2,3-Trichlorobenzene	57		0.67	5.0
123-91-1	1,4-Dioxane	2600		100	100

FORM I VOA

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L03.D Vial: 3
Acq On : 25 Sep 2013 8:15 pm Operator:
Sample : LCS NJ TCL-50 PPB STD. Inst : Instrumen
Misc : BF43374 LCS Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 07:07:57 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 07:06:54 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	170101	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	311676	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	281379	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.61	152	149025	50.00	ug/l	0.00
64) Dioxane-d8	3.74	96	5740	500.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.86	192	14066	51.10	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 102.20%			
37) % Toluene-d8	4.10	98	400180	50.06	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.12%			
53) % Bromofluorobenzene	5.82	95	149859	50.02	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.04%			
55) % 1,2-dichlorobenzene-d4	6.92	152	131349	50.42	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.84%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.08	85	108989	37.19	ug/l	99
3) Chloromethane	1.18	50	284373	48.47	ug/l	96
4) Vinyl Chloride	1.22	62	260703	49.62	ug/l	100
5) Bromomethane	1.39	94	124454	48.82	ug/l	98
6) Chloroethane	1.45	64	152965	53.32	ug/l	99
7) Trichlorofluoromethane	1.52	101	287800	55.80	ug/l	98
8) 1,1-Dichloroethene	1.76	96	134253	44.26	ug/l	95
9) Trichlorotrifluoroethane	1.77	101	155697	52.21	ug/l	97
10) Acrolein	1.92	56	90421	257.71	ug/l	99
11) Acetone	2.06	43	36354	18.71	ug/l	99
12) Carbon Disulfide	1.78	76	430158	40.76	ug/l	99
13) Methylene Chloride	2.02	84	157830	52.45	ug/l	96
14) METHYLACETATE	2.10	43	93161	58.50	ug/l	98
15) Trans-1,2-Dichloroethene	2.10	96	181450	53.42	ug/l	100
16) Acrylonitrile	2.41	53	223813	285.32	ug/l	98
17) tert-butanol	2.19	59	106879	639.26	ug/l	95
18) 1,1-Dichloroethane	2.39	63	393631	54.40	ug/l	99
19) Cis-1,2-Dichloroethene	2.64	96	202977	56.08	ug/l	99
20) Methyl Ethyl Ketone	2.91	43	71942	24.91	ug/l	98
21) Bromochloromethane	2.74	128	74542	56.75	ug/l	96
22) CYCLOHEXANE	2.74	56	525215	52.96	ug/l	99
23) Chloroform	2.76	83	355283	55.79	ug/l	98
25) 1,1,1-Trichloroethane	2.87	97	313631	55.69	ug/l	99
27) Methyl t-Butyl Ether (MTBE	2.15	73	344433	56.82	ug/l	99
28) Carbon Tetrachloride	2.84	117	226572	55.53	ug/l	99
29) Benzene	3.06	78	802885	53.28	ug/l	100
30) 1,2-Dichloroethane	3.15	62	225147	54.76	ug/l	98
31) METHYLCYCLOHEXANE	3.34	55	429611	55.89	ug/l	99
32) Trichloroethene	3.34	130	205322	58.47	ug/l	97
33) 1,2-dichloropropane	3.61	63	219463	57.31	ug/l	99
34) Bromodichloromethane	3.64	83	243180	56.74	ug/l	100
35) cis-1,3-Dichloropropene	3.99	75	269341	58.48	ug/l	99
36) 4-Methyl-2-Pentanone	4.33	43	153677	38.02	ug/l	99
38) Toluene	4.12	91	862778	55.37	ug/l	100
39) trans-1,3-Dichloropropene	4.36	75	214219	57.25	ug/l	100
40) 1,1,2-Trichloroethane	4.45	97	129296	58.48	ug/l	100
41) 1,2-Dibromoethane	4.71	107	115026	58.59	ug/l	100
43) Tetrachloroethene	4.35	164	157746	62.42	ug/l	98
44) 2-Hexanone	4.84	43	110460	27.49	ug/l	99
45) Dibromochloromethane	4.56	129	141008	59.62	ug/l	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L03.D Vial: 3
Acq On : 25 Sep 2013 8:15 pm Operator:
Sample : LCS NJ TCL-50 PPB STD. Inst : Instrumen
Misc : BF43374 LCS Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 07:07:57 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 07:06:54 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

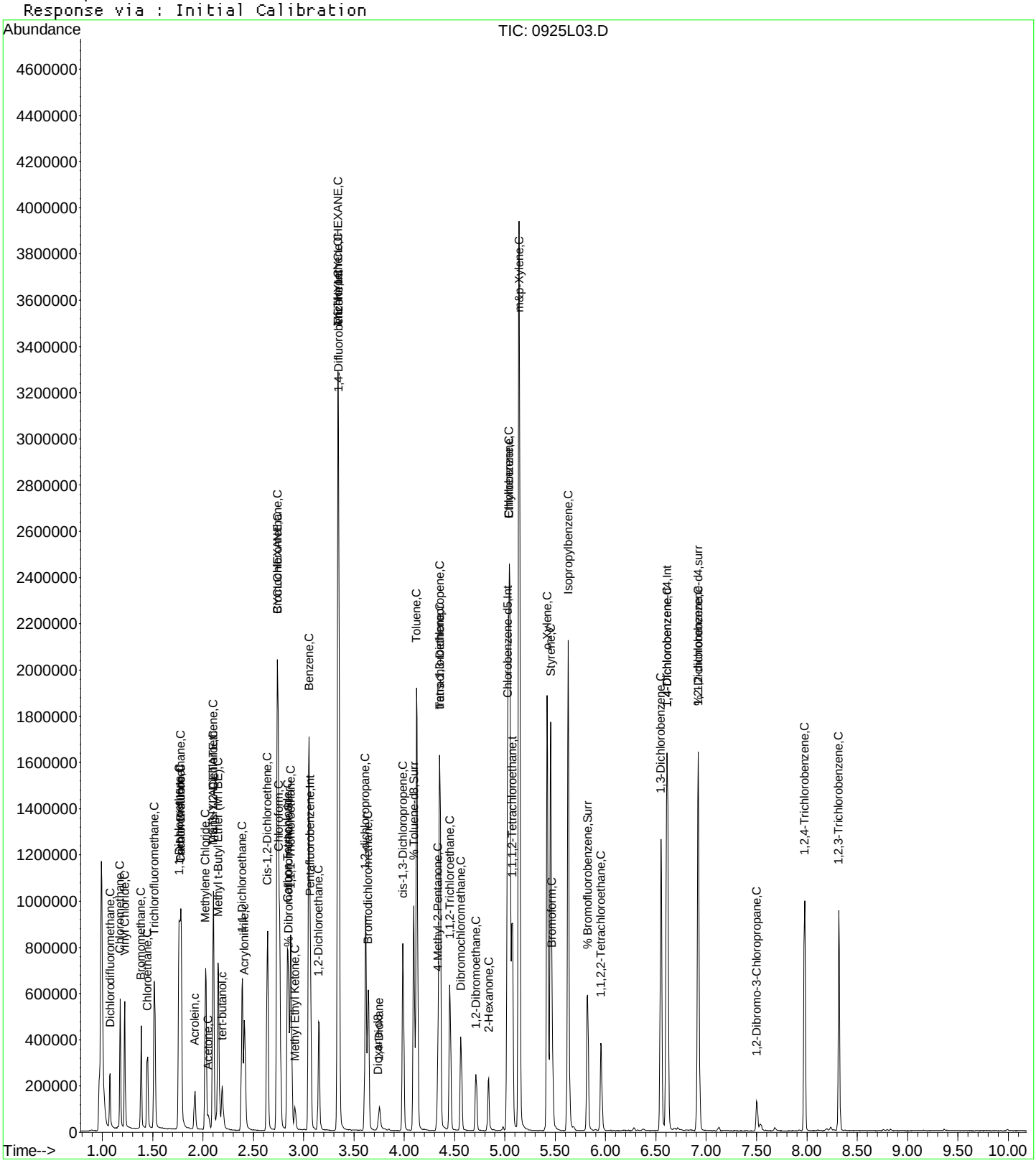
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46)	Chlorobenzene	5.04	112	508604	57.80	ug/l	99
47)	1,1,1,2-Tetrachloroethane	5.07	131	161788	57.90	ug/l	99
48)	Ethylbenzene	5.05	91	986065	55.76	ug/l	100
49)	m&p-Xylene	5.14	106	728881	113.98	ug/l	98
50)	o-Xylene	5.42	106	347409	58.16	ug/l	100
51)	Styrene	5.46	104	527038	59.53	ug/l	99
52)	Bromoform	5.47	173	70730	60.06	ug/l	100
56)	Isopropylbenzene	5.63	105	968370	58.90	ug/l	100
57)	1,1,2,2-Tetrachloroethane	5.95	83	142972	55.85	ug/l	99
58)	1,3-Dichlorobenzene	6.55	146	346107	58.95	ug/l	100
59)	1,4-Dichlorobenzene	6.62	146	341726	57.24	ug/l	100
60)	1,2-Dichlorobenzene	6.92	146	312572	56.88	ug/l	99
61)	1,2-Dibromo-3-Chloropropan	7.50	75	22681	57.45	ug/l	99
62)	1,2,4-Trichlorobenzene	7.98	180	183641	59.16	ug/l	99
63)	1,2,3-Trichlorobenzene	8.32	180	168432	57.36	ug/l	99
65)	1,4-Dioxane	3.75	58	44954	2631.77	ug/l	94

(#) = qualifier out of range (m) = manual integration
0925L03.D TCLSNJD_0924.M Fri Oct 04 08:22:23 2013 Page 2

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L03.D Vial: 3
Acq On : 25 Sep 2013 8:15 pm Operator:
Sample : LCS NJ TCL-50 PPB STD. Inst : Instrumen
Misc : BF43374 LCS Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 7:07 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 04 08:21:50 2013
Response via : Initial Calibration



CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

BF43374 LCSD

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: LCSD NJ TCL-50 PPB STD.

Sample wt/vol: 5 (g/mL) g Lab File ID: 0925L04.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: n.a. Date Analyzed: 09/25/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	31		1.3	5.0
74-87-3	Chloromethane	41		2.6	5.0
75-01-4	Vinyl Chloride	41		1.6	5.0
74-83-9	Bromomethane	42		3.9	5.0
75-00-3	Chloroethane	45		1.2	5.0
75-69-4	Trichlorofluoromethane	47		1.1	5.0
75-35-4	1,1-Dichloroethene	40		1.1	5.0
76-13-1	Trichlorotrifluoroethane	46		0.78	5.0
67-64-1	Acetone	18		5.0	50
75-15-0	Carbon Disulfide	38		0.81	5.0
75-09-2	Methylene Chloride	47		0.82	5.0
79-20-9	METHYLACETATE	55		5.0	5.0
156-60-5	Trans-1,2-Dichloroethene	45		1.0	5.0
75-34-3	1,1-Dichloroethane	46		0.99	5.0
156-59-2	Cis-1,2-Dichloroethene	48		1.1	5.0
78-93-3	Methyl Ethyl Ketone	23		4.3	30
74-97-5	Bromochloromethane	49		0.73	5.0
110-82-7	CYCLOHEXANE	44		5.0	5.0
67-66-3	Chloroform	47		0.91	5.0
71-55-6	1,1,1-Trichloroethane	47		1.0	5.0
1634-04-4	Methyl t-Butyl Ether (MTBE)	50		1.4	10
56-23-5	Carbon Tetrachloride	46		0.58	5.0
71-43-2	Benzene	45		0.99	5.0
107-06-2	1,2-Dichloroethane	47		0.44	5.0
108-87-2	METHYLCYCLOHEXANE	46		5.0	5.0
79-01-6	Trichloroethene	49		1.1	5.0
78-87-5	1,2-dichloropropane	48		0.71	5.0
75-27-4	Bromodichloromethane	48		0.62	5.0
10061-01-5	cis-1,3-Dichloropropene	50		0.54	5.0
108-10-1	4-Methyl-2-Pentanone	35		1.2	25
108-88-3	Toluene	46		0.79	5.0
10061-02-6	trans-1,3-Dichloropropene	50		1.0	5.0
79-00-5	1,1,2-Trichloroethane	51		0.49	5.0
106-93-4	1,2-Dibromoethane	51		1.3	5.0
127-18-4	Tetrachloroethene	51		1.1	5.0
591-78-6	2-Hexanone	25		2.3	25

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

BF43374 LCSD

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: LCSD NJ TCL-50 PPB STD.

Sample wt/vol: 5 (g/mL) g Lab File ID: 0925L04.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: n.a. Date Analyzed: 09/25/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	51		0.56	5.0
108-90-7	Chlorobenzene	48		0.74	5.0
100-41-4	Ethylbenzene	46		0.91	5.0
179601-23-1	m&p-Xylene	94		2.0	5.0
95-47-6	o-Xylene	48		1.9	5.0
100-42-5	Styrene	50		1.4	5.0
75-25-2	Bromoform	52		0.70	5.0
98-82-8	Isopropylbenzene	49		0.96	5.0
79-34-5	1,1,2,2-Tetrachloroethane	50		0.71	5.0
541-73-1	1,3-Dichlorobenzene	49		0.74	5.0
106-46-7	1,4-Dichlorobenzene	48		0.79	5.0
95-50-1	1,2-Dichlorobenzene	48		0.55	5.0
96-12-8	1,2-Dibromo-3-Chloropropane	51		1.3	5.0
120-82-1	1,2,4-Trichlorobenzene	50		0.59	5.0
87-61-6	1,2,3-Trichlorobenzene	50		0.67	5.0
123-91-1	1,4-Dioxane	2200		100	100

FORM I VOA

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L04.D Vial: 4
Acq On : 25 Sep 2013 8:37 pm Operator:
Sample : LCSD NJ TCL-50 PPB STD. Inst : Instrumen
Misc : BF43374 LCSD Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 07:08:11 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 07:06:54 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	206452	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	380838	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	348569	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.61	152	185300	50.00	ug/l	0.00
64) Dioxane-d8	3.73	96	7577	500.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.86	192	17086	51.15	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 102.30%			
37) % Toluene-d8	4.10	98	489858	50.15	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.30%			
53) % Bromofluorobenzene	5.82	95	183226	49.37	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.74%			
55) % 1,2-dichlorobenzene-d4	6.91	152	162707	50.23	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.46%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.08	85	110066	30.95	ug/l	99
3) Chloromethane	1.18	50	290232	40.75	ug/l	97
4) Vinyl Chloride	1.22	62	264022	41.40	ug/l	100
5) Bromomethane	1.39	94	128564	41.55	ug/l	99
6) Chloroethane	1.45	64	155422	44.64	ug/l	100
7) Trichlorofluoromethane	1.52	101	295000	47.13	ug/l	99
8) 1,1-Dichloroethene	1.76	96	147620	40.10	ug/l	98
9) Trichlorotrifluoroethane	1.77	101	165749	45.80	ug/l	96
10) Acrolein	1.92	56	111117	260.94	ug/l	99
11) Acetone	2.06	43	42850	18.17	ug/l	94
12) Carbon Disulfide	1.78	76	483018	37.71	ug/l	100
13) Methylene Chloride	2.03	84	171785	47.03	ug/l	93
14) METHYLACETATE	2.10	43	106930	55.32	ug/l	97
15) Trans-1,2-Dichloroethene	2.10	96	185020	44.88	ug/l	99
16) Acrylonitrile	2.41	53	250566	263.19	ug/l	98
17) tert-butanol	2.19	59	122607	604.21	ug/l	96
18) 1,1-Dichloroethane	2.39	63	402732	45.86	ug/l	99
19) Cis-1,2-Dichloroethene	2.64	96	210556	47.93	ug/l	98
20) Methyl Ethyl Ketone	2.91	43	82206	23.46	ug/l	100
21) Bromochloromethane	2.74	128	78144	49.02	ug/l	96
22) CYCLOHEXANE	2.74	56	530412	44.07	ug/l	98
23) Chloroform	2.76	83	366121	47.37	ug/l	98
25) 1,1,1-Trichloroethane	2.87	97	319806	46.79	ug/l	98
27) Methyl t-Butyl Ether (MTBE	2.15	73	371811	50.20	ug/l	98
28) Carbon Tetrachloride	2.84	117	228303	45.79	ug/l	100
29) Benzene	3.05	78	822110	44.65	ug/l	100
30) 1,2-Dichloroethane	3.15	62	237206	47.21	ug/l	99
31) METHYLCYCLOHEXANE	3.34	55	433039	46.10	ug/l	99
32) Trichloroethene	3.34	130	208561	48.60	ug/l	97
33) 1,2-dichloropropane	3.61	63	225456	48.18	ug/l	100
34) Bromodichloromethane	3.64	83	253839	48.47	ug/l	98
35) cis-1,3-Dichloropropene	3.99	75	280580	49.86	ug/l	99
36) 4-Methyl-2-Pentanone	4.33	43	175048	35.44	ug/l	100
38) Toluene	4.12	91	885176	46.49	ug/l	100
39) trans-1,3-Dichloropropene	4.36	75	226758	49.59	ug/l	100
40) 1,1,2-Trichloroethane	4.45	97	137029	50.72	ug/l	99
41) 1,2-Dibromoethane	4.71	107	121995	50.86	ug/l	99
43) Tetrachloroethene	4.35	164	158240	50.54	ug/l	98
44) 2-Hexanone	4.83	43	124773	25.07	ug/l	98
45) Dibromochloromethane	4.56	129	148263	50.60	ug/l	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L04.D Vial: 4
Acq On : 25 Sep 2013 8:37 pm Operator:
Sample : LCSD NJ TCL-50 PPB STD. Inst : Instrumen
Misc : BF43374 LCSD Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 07:08:11 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 07:06:54 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

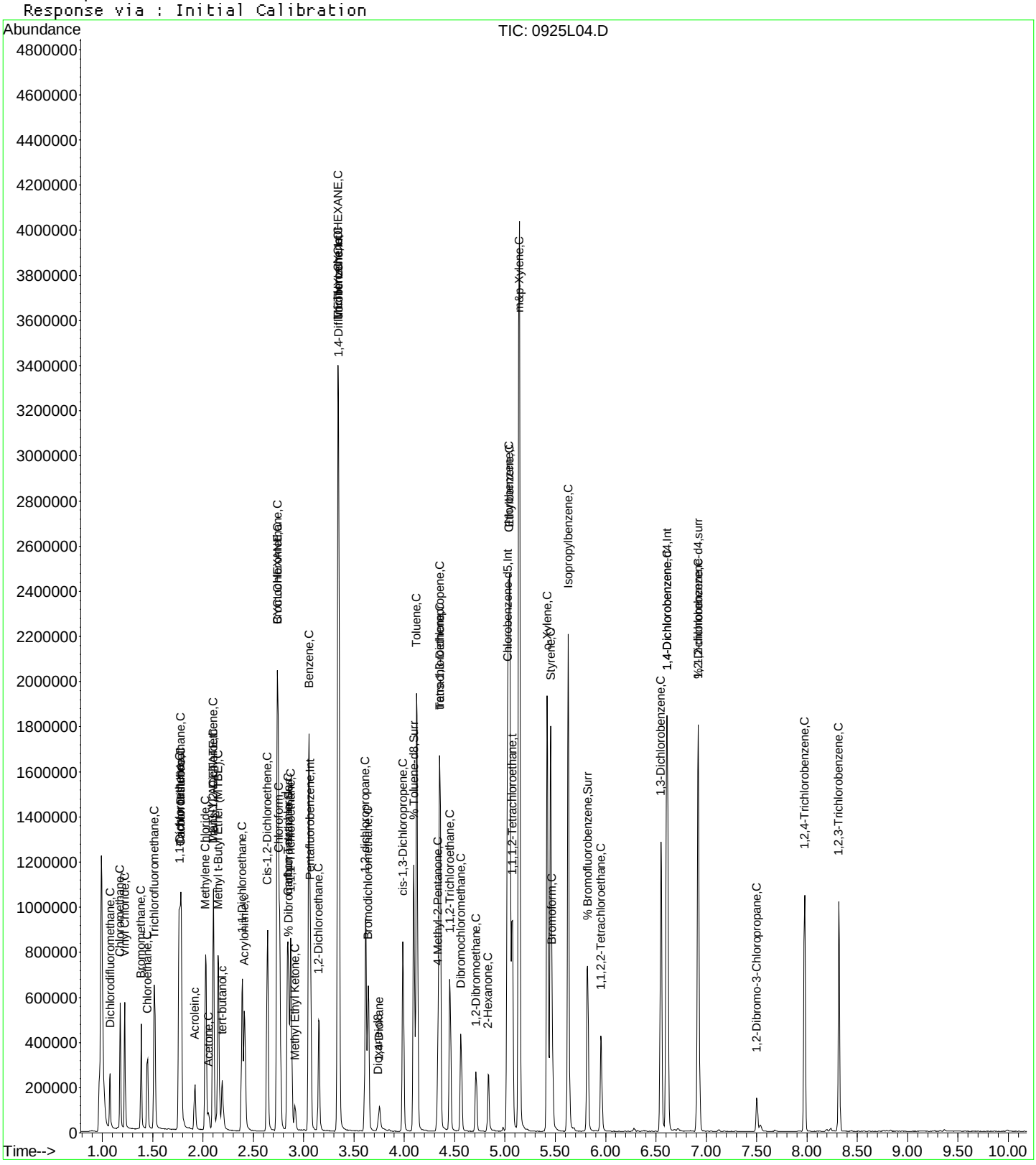
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Chlorobenzene	5.04	112	520501	47.75	ug/l	100
47) 1,1,1,2-Tetrachloroethane	5.07	131	168999	48.82	ug/l	99
48) Ethylbenzene	5.05	91	1007832	46.01	ug/l	99
49) m&p-Xylene	5.14	106	743753	93.89	ug/l	99
50) o-Xylene	5.42	106	358139	48.40	ug/l	99
51) Styrene	5.46	104	545954	49.78	ug/l	99
52) Bromoform	5.47	173	75843	51.99	ug/l	99
56) Isopropylbenzene	5.63	105	997898	48.81	ug/l	100
57) 1,1,2,2-Tetrachloroethane	5.95	83	159080	49.98	ug/l	99
58) 1,3-Dichlorobenzene	6.55	146	358788	49.15	ug/l	99
59) 1,4-Dichlorobenzene	6.62	146	353713	47.65	ug/l	100
60) 1,2-Dichlorobenzene	6.93	146	326918	47.84	ug/l	99
61) 1,2-Dibromo-3-Chloropropan	7.50	75	25255	51.45	ug/l	97
62) 1,2,4-Trichlorobenzene	7.98	180	194494	50.39	ug/l	100
63) 1,2,3-Trichlorobenzene	8.32	180	182276	49.93	ug/l	99
65) 1,4-Dioxane	3.75	58	49506	2195.59	ug/l	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L04.D Vial: 4
Acq On : 25 Sep 2013 8:37 pm Operator:
Sample : LCSD NJ TCL-50 PPB STD. Inst : Instrumen
Misc : BF43374 LCSD Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 7:08 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 04 08:21:50 2013
Response via : Initial Calibration



CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

BF43374 MS 50X HL

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: MS BF43374 NJ TCL-50/200/5

Sample wt/vol: 10 (g/mL) g Lab File ID: 0925L26.D

Level: (low/med/meth): Meth Date Received: 09/20/13

% Moisture: 85 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 50

Soil Extract Volume 10000 (uL) pH: < 2 Soil Aliquot Vol: 100 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	18000		430	1700
74-87-3	Chloromethane	16000		870	1700
75-01-4	Vinyl Chloride	18000		530	1700
74-83-9	Bromomethane	16000		1300	1700
75-00-3	Chloroethane	8100		400	1700
75-69-4	Trichlorofluoromethane	6700		370	1700
75-35-4	1,1-Dichloroethene	19000		370	1700
76-13-1	Trichlorotrifluoroethane	20000		260	1700
67-64-1	Acetone	7400		1700	17000
75-15-0	Carbon Disulfide	19000		270	1700
75-09-2	Methylene Chloride	18000		270	1700
79-20-9	METHYLACETATE	53000		1700	1700
156-60-5	Trans-1,2-Dichloroethene	16000		330	1700
75-34-3	1,1-Dichloroethane	17000		330	1700
156-59-2	Cis-1,2-Dichloroethene	17000		370	1700
78-93-3	Methyl Ethyl Ketone	8900		1400	10000
74-97-5	Bromochloromethane	16000		240	1700
110-82-7	CYCLOHEXANE	19000		1700	1700
67-66-3	Chloroform	17000		300	1700
71-55-6	1,1,1-Trichloroethane	17000		330	1700
1634-04-4	Methyl t-Butyl Ether (MTBE)	14000		470	3300
56-23-5	Carbon Tetrachloride	18000		190	1700
71-43-2	Benzene	17000		330	1700
107-06-2	1,2-Dichloroethane	17000		150	1700
108-87-2	METHYLCYCLOHEXANE	19000		1700	1700
79-01-6	Trichloroethene	17000		370	1700
78-87-5	1,2-dichloropropane	17000		240	1700
75-27-4	Bromodichloromethane	16000		210	1700
10061-01-5	cis-1,3-Dichloropropene	16000		180	1700
108-10-1	4-Methyl-2-Pentanone	10000		400	8300
108-88-3	Toluene	18000		260	1700
10061-02-6	trans-1,3-Dichloropropene	16000		330	1700
79-00-5	1,1,2-Trichloroethane	16000		160	1700
106-93-4	1,2-Dibromoethane	16000		430	1700
127-18-4	Tetrachloroethene	18000		370	1700
591-78-6	2-Hexanone	7800		770	8300

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

BF43374 MS 50X HL

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: MS BF43374 NJ TCL-50/200/5

Sample wt/vol: 10 (g/mL) g Lab File ID: 0925L26.D

Level: (low/med/meth): Meth Date Received: 09/20/13

% Moisture: 85 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 50

Soil Extract Volume 10000 (uL) pH: < 2 Soil Aliquot Vol: 100 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	16000		190	1700
108-90-7	Chlorobenzene	17000		250	1700
100-41-4	Ethylbenzene	17000		300	1700
179601-23-1	m&p-Xylene	35000		670	1700
95-47-6	o-Xylene	18000		630	1700
100-42-5	Styrene	17000		470	1700
75-25-2	Bromoform	16000		230	1700
98-82-8	Isopropylbenzene	18000		320	1700
79-34-5	1,1,2,2-Tetrachloroethane	16000		240	1700
541-73-1	1,3-Dichlorobenzene	17000		250	1700
106-46-7	1,4-Dichlorobenzene	17000		260	1700
95-50-1	1,2-Dichlorobenzene	16000		180	1700
96-12-8	1,2-Dibromo-3-Chloropropane	16000		430	1700
120-82-1	1,2,4-Trichlorobenzene	16000		200	1700
87-61-6	1,2,3-Trichlorobenzene	16000		220	1700
123-91-1	1,4-Dioxane	760000		33000	33000

FORM I VOA

Quantitation Report (QT Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L26.D Vial: 26
Acq On : 26 Sep 2013 6:45 am Operator:
Sample : MS BF43374 NJ TCL-50/200/500/2000PPB STD Inst : Instrumen
Misc : BF43374 MS 50X HL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 07:14:48 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 07:06:54 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	3.07	168	156964	50.00	ug/l		0.00
26) 1,4-Difluorobenzene	3.35	114	289263	50.00	ug/l		0.00
42) Chlorobenzene-d5	5.02	117	261597	50.00	ug/l		0.00
54) 1,4-Dichlorobenzene-d4	6.60	152	137422	50.00	ug/l		0.00
64) Dioxane-d8	3.74	96	5481	500.00	ug/l		0.00
System Monitoring Compounds							
24) % Dibromofluoromethane	2.85	192	12564	49.47	ug/l		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.94%				
37) % Toluene-d8	4.09	98	373202	50.30	ug/l		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.60%				
53) % Bromofluorobenzene	5.82	95	138245	49.64	ug/l		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.28%				
55) % 1,2-dichlorobenzene-d4	6.92	152	118271	49.23	ug/l		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.46%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.07	85	143681	53.14	ug/l		98
3) Chloromethane	1.17	50	260391	48.09	ug/l		96
4) Vinyl Chloride	1.22	62	263447	54.34	ug/l		100
5) Bromomethane	1.38	94	115062	48.91	ug/l		99
6) Chloroethane	1.43	64	64337	24.30	ug/l	#	95
7) Trichlorofluoromethane	1.49	101	95353	20.04	ug/l		99
8) 1,1-Dichloroethene	1.74	96	160930	57.50	ug/l		95
9) Trichlorotrifluoroethane	1.76	101	162141	58.92	ug/l		96
10) Acrolein	1.92	56	69306	214.06	ug/l		100
11) Acetone	2.06	43	39587	22.08	ug/l		91
12) Carbon Disulfide	1.76	76	544768	55.93	ug/l		99
13) Methylene Chloride	2.02	84	151786	54.66	ug/l		99
14) METHYLACETATE	2.10	43	233208	158.69	ug/l	#	90
15) Trans-1,2-Dichloroethene	2.09	96	150636	48.06	ug/l		95
16) Acrylonitrile	2.41	53	179098	247.43	ug/l		99
17) tert-butanol	2.21	59	68697	445.28	ug/l		69
18) 1,1-Dichloroethane	2.39	63	336392	50.38	ug/l		100
19) Cis-1,2-Dichloroethene	2.64	96	171013	51.20	ug/l		98
20) Methyl Ethyl Ketone	2.91	43	70986	26.64	ug/l		98
21) Bromochloromethane	2.74	128	59696	49.25	ug/l		98
22) CYCLOHEXANE	2.74	56	514977	56.28	ug/l		100
23) Chloroform	2.76	83	301943	51.39	ug/l		99
25) 1,1,1-Trichloroethane	2.87	97	272286	52.40	ug/l		99
27) Methyl t-Butyl Ether (MTBE	2.16	73	241516	42.93	ug/l		95
28) Carbon Tetrachloride	2.84	117	201322	53.16	ug/l		100
29) Benzene	3.05	78	716720	51.25	ug/l		100
30) 1,2-Dichloroethane	3.15	62	189449	49.64	ug/l		99
31) METHYLCYCLOHEXANE	3.34	55	406317	56.95	ug/l		99
32) Trichloroethene	3.34	130	169120	51.89	ug/l		99
33) 1,2-dichloropropane	3.61	63	180286	50.73	ug/l		99
34) Bromodichloromethane	3.64	83	196044	49.29	ug/l		98
35) cis-1,3-Dichloropropene	3.99	75	209204	48.95	ug/l		100
36) 4-Methyl-2-Pentanone	4.34	43	116422	31.03	ug/l		99
38) Toluene	4.12	91	773372	53.48	ug/l		100
39) trans-1,3-Dichloropropene	4.36	75	167000	48.09	ug/l		97
40) 1,1,2-Trichloroethane	4.45	97	97233	47.39	ug/l		98
41) 1,2-Dibromoethane	4.71	107	86446	47.45	ug/l		99
43) Tetrachloroethene	4.35	164	127704	54.35	ug/l		100
44) 2-Hexanone	4.84	43	87347	23.39	ug/l		98
45) Dibromochloromethane	4.56	129	105966	48.19	ug/l		98

(#) = qualifier out of range (m) = manual integration

Data File : H:\V2013\CHEM03\09SEP\092513\0925L26.D Vial: 26
Acq On : 26 Sep 2013 6:45 am Operator:
Sample : MS BF43374 NJ TCL-50/200/500/2000PPB STD Inst : Instrumen
Misc : BF43374 MS 50X HL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 07:14:48 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 07:06:54 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

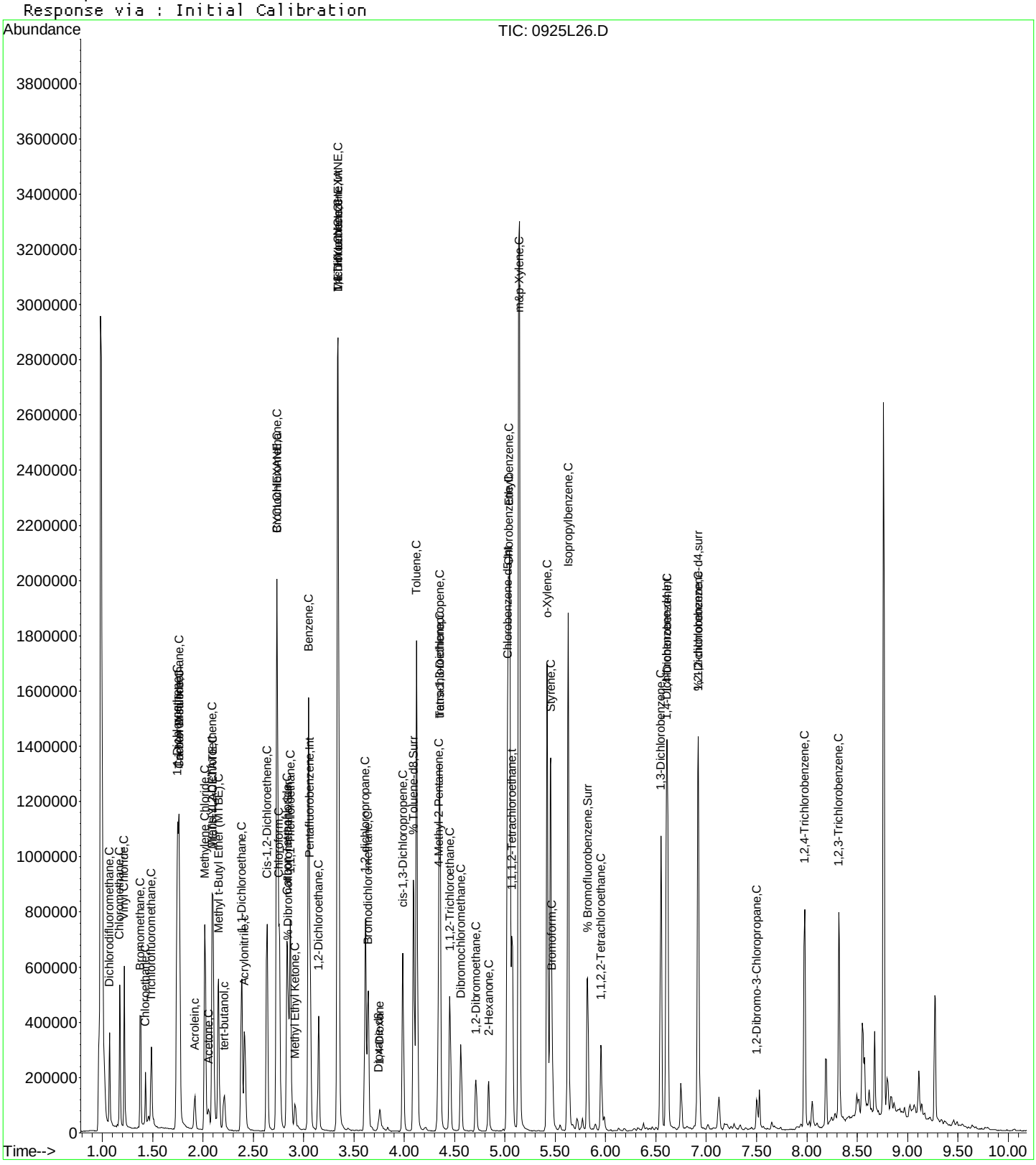
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Chlorobenzene	5.03	112	414932	50.72	ug/l	99
47) 1,1,1,2-Tetrachloroethane	5.07	131	120149	46.25	ug/l	99
48) Ethylbenzene	5.05	91	861927	52.43	ug/l	99
49) m&p-Xylene	5.14	106	623049	104.80	ug/l	100
50) o-Xylene	5.42	106	291921	52.57	ug/l	98
51) Styrene	5.46	104	414072	50.30	ug/l	98
52) Bromoform	5.47	173	51436	46.98	ug/l	99
56) Isopropylbenzene	5.63	105	819547	54.06	ug/l	100
57) 1,1,2,2-Tetrachloroethane	5.95	83	113442	48.06	ug/l	100
58) 1,3-Dichlorobenzene	6.55	146	279086	51.55	ug/l	99
59) 1,4-Dichlorobenzene	6.62	146	274923	49.94	ug/l	99
60) 1,2-Dichlorobenzene	6.93	146	246593	48.66	ug/l	99
61) 1,2-Dibromo-3-Chloropropan	7.50	75	17973	49.37	ug/l	98
62) 1,2,4-Trichlorobenzene	7.98	180	141444	49.42	ug/l	99
63) 1,2,3-Trichlorobenzene	8.32	180	126749	46.81	ug/l	99
65) 1,4-Dioxane	3.76	58	36983	2267.43	ug/l	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L26.D Vial: 26
Acq On : 26 Sep 2013 6:45 am Operator:
Sample : MS BF43374 NJ TCL-50/200/500/2000PPB STD Inst : Instrumen
Misc : BF43374 MS 50X HL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 7:14 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 04 08:21:50 2013
Response via : Initial Calibration



CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

BF43374 MSD 50X HL

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: MSD BF43374 NJ TCL-50/200

Sample wt/vol: 10 (g/mL) g Lab File ID: 0925L27.D

Level: (low/med/meth): Meth Date Received: 09/20/13

% Moisture: 85 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 50

Soil Extract Volume 10000 (uL) pH: < 2 Soil Aliquot Vol: 100 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	16000		430	1700
74-87-3	Chloromethane	16000		870	1700
75-01-4	Vinyl Chloride	17000		530	1700
74-83-9	Bromomethane	15000		1300	1700
75-00-3	Chloroethane	7200		400	1700
75-69-4	Trichlorofluoromethane	6100		370	1700
75-35-4	1,1-Dichloroethene	16000		370	1700
76-13-1	Trichlorotrifluoroethane	17000		260	1700
67-64-1	Acetone	5600		1700	17000
75-15-0	Carbon Disulfide	16000		270	1700
75-09-2	Methylene Chloride	16000		270	1700
79-20-9	METHYLACETATE	58000		1700	1700
156-60-5	Trans-1,2-Dichloroethene	16000		330	1700
75-34-3	1,1-Dichloroethane	16000		330	1700
156-59-2	Cis-1,2-Dichloroethene	17000		370	1700
78-93-3	Methyl Ethyl Ketone	8400		1400	10000
74-97-5	Bromochloromethane	16000		240	1700
110-82-7	CYCLOHEXANE	17000		1700	1700
67-66-3	Chloroform	16000		300	1700
71-55-6	1,1,1-Trichloroethane	17000		330	1700
1634-04-4	Methyl t-Butyl Ether (MTBE)	16000		470	3300
56-23-5	Carbon Tetrachloride	17000		190	1700
71-43-2	Benzene	16000		330	1700
107-06-2	1,2-Dichloroethane	16000		150	1700
108-87-2	METHYLCYCLOHEXANE	17000		1700	1700
79-01-6	Trichloroethene	17000		370	1700
78-87-5	1,2-dichloropropane	16000		240	1700
75-27-4	Bromodichloromethane	16000		210	1700
10061-01-5	cis-1,3-Dichloropropene	16000		180	1700
108-10-1	4-Methyl-2-Pentanone	11000		400	8300
108-88-3	Toluene	17000		260	1700
10061-02-6	trans-1,3-Dichloropropene	15000		330	1700
79-00-5	1,1,2-Trichloroethane	16000		160	1700
106-93-4	1,2-Dibromoethane	16000		430	1700
127-18-4	Tetrachloroethene	17000		370	1700
591-78-6	2-Hexanone	7400		770	8300

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

BF43374 MSD 50X HL

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: MSD BF43374 NJ TCL-50/200

Sample wt/vol: 10 (g/mL) g Lab File ID: 0925L27.D

Level: (low/med/meth): Meth Date Received: 09/20/13

% Moisture: 85 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 50

Soil Extract Volume 10000 (uL) pH: < 2 Soil Aliquot Vol: 100 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	16000		190	1700
108-90-7	Chlorobenzene	16000		250	1700
100-41-4	Ethylbenzene	17000		300	1700
179601-23-1	m&p-Xylene	33000		670	1700
95-47-6	o-Xylene	17000		630	1700
100-42-5	Styrene	16000		470	1700
75-25-2	Bromoform	15000		230	1700
98-82-8	Isopropylbenzene	17000		320	1700
79-34-5	1,1,2,2-Tetrachloroethane	16000		240	1700
541-73-1	1,3-Dichlorobenzene	17000		250	1700
106-46-7	1,4-Dichlorobenzene	16000		260	1700
95-50-1	1,2-Dichlorobenzene	16000		180	1700
96-12-8	1,2-Dibromo-3-Chloropropane	16000		430	1700
120-82-1	1,2,4-Trichlorobenzene	16000		200	1700
87-61-6	1,2,3-Trichlorobenzene	15000		220	1700
123-91-1	1,4-Dioxane	75000		33000	33000

FORM I VOA

Quantitation Report (QT Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L27.D Vial: 27
Acq On : 26 Sep 2013 7:07 am Operator:
Sample : MSD BF43374 NJ TCL-50/200/500/2000PPB ST Inst : Instrumen
Misc : BF43374 MSD 50X HL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 11:28:29 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Wed Sep 25 06:40:59 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	3.07	168	168976	50.00	ug/l		0.00
26) 1,4-Difluorobenzene	3.35	114	311051	50.00	ug/l		0.00
42) Chlorobenzene-d5	5.02	117	283608	50.00	ug/l		0.00
54) 1,4-Dichlorobenzene-d4	6.60	152	145676	50.00	ug/l		0.00
64) Dioxane-d8	3.75	96	5909	50.00	ug/l		0.01
System Monitoring Compounds							
24) % Dibromofluoromethane	2.85	192	13686	50.05	ug/l		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.10%				
37) % Toluene-d8	4.09	98	396777	49.73	ug/l		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.46%				
53) % Bromofluorobenzene	5.82	95	148884	49.31	ug/l		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.62%				
55) % 1,2-dichlorobenzene-d4	6.91	152	126946	49.85	ug/l		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.07	85	140058	48.11	ug/l		100
3) Chloromethane	1.17	50	273168	46.87	ug/l		98
4) Vinyl Chloride	1.22	62	262558	50.30	ug/l		99
5) Bromomethane	1.38	94	115131	45.46	ug/l		99
6) Chloroethane	1.43	64	61761	21.67	ug/l	#	95
7) Trichlorofluoromethane	1.49	101	93717	18.29	ug/l		99
8) 1,1-Dichloroethene	1.74	96	148523	49.29	ug/l		100
9) Trichlorotrifluoroethane	1.75	101	152684	51.54	ug/l		100
10) Acrolein	1.92	56	62851	180.33	ug/l		99
11) Acetone	2.06	43	32685	16.94	ug/l		90
12) Carbon Disulfide	1.76	76	489801	46.72	ug/l		99
13) Methylene Chloride	2.02	84	143474	47.99	ug/l		90
14) METHYLACETATE	2.10	43	276692	174.90	ug/l	#	88
15) Trans-1,2-Dichloroethene	2.09	96	166588	49.37	ug/l		97
16) Acrylonitrile	2.41	53	191266	245.46	ug/l		99
17) tert-butanol	2.21	59	82196	494.90	ug/l		72
18) 1,1-Dichloroethane	2.39	63	354100	49.26	ug/l		98
19) Cis-1,2-Dichloroethene	2.64	96	178084	49.53	ug/l		100
20) Methyl Ethyl Ketone	2.91	43	72434	25.25	ug/l		97
21) Bromochloromethane	2.74	128	62918	48.22	ug/l		98
22) CYCLOHEXANE	2.74	56	509302	51.70	ug/l		99
23) Chloroform	2.76	83	307887	48.67	ug/l		100
25) 1,1,1-Trichloroethane	2.87	97	278750	49.83	ug/l		100
27) Methyl t-Butyl Ether (MTBE	2.16	73	286604	47.37	ug/l		97
28) Carbon Tetrachloride	2.84	117	202509	49.73	ug/l		99
29) Benzene	3.05	78	740643	49.25	ug/l		100
30) 1,2-Dichloroethane	3.15	62	195857	47.73	ug/l		99
31) METHYLCYCLOHEXANE	3.34	55	400783	52.24	ug/l		100
32) Trichloroethene	3.34	130	173451	49.49	ug/l		98
33) 1,2-dichloropropane	3.61	63	184937	48.39	ug/l		100
34) Bromodichloromethane	3.64	83	201871	47.20	ug/l		98
35) cis-1,3-Dichloropropene	3.99	75	215779	46.95	ug/l		98
36) 4-Methyl-2-Pentanone	4.34	43	127389	31.58	ug/l		99
38) Toluene	4.12	91	773586	49.75	ug/l		99
39) trans-1,3-Dichloropropene	4.36	75	171589	45.95	ug/l		100
40) 1,1,2-Trichloroethane	4.45	97	103528	46.92	ug/l		98
41) 1,2-Dibromoethane	4.71	107	93295	47.62	ug/l		99
43) Tetrachloroethene	4.35	164	131579	51.66	ug/l		99
44) 2-Hexanone	4.84	43	90031	22.23	ug/l		97
45) Dibromochloromethane	4.56	129	111036	46.58	ug/l		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L27.D Vial: 27
Acq On : 26 Sep 2013 7:07 am Operator:
Sample : MSD BF43374 NJ TCL-50/200/500/2000PPB ST Inst : Instrumen
Misc : BF43374 MSD 50X HL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 11:28:29 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Wed Sep 25 06:40:59 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

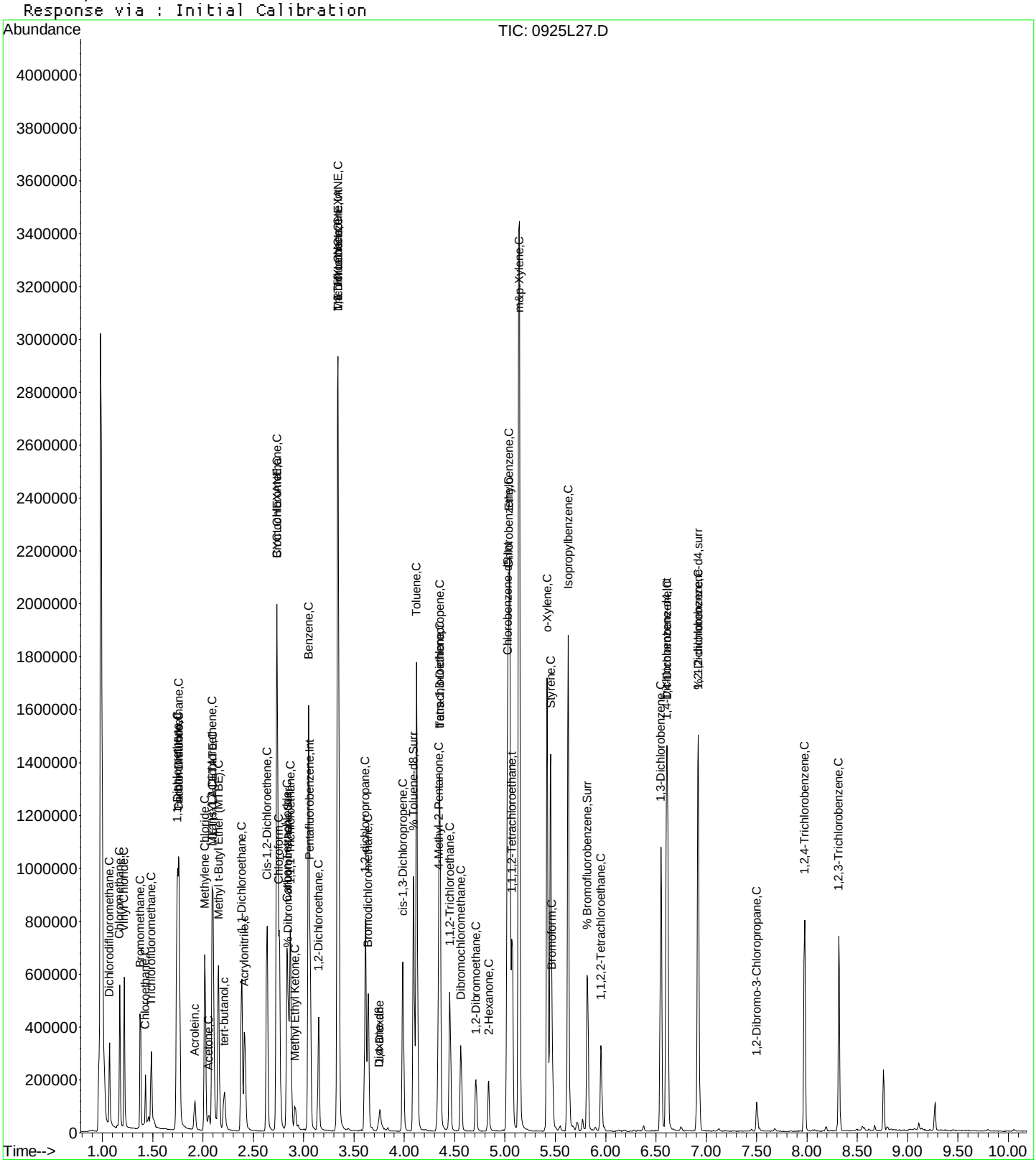
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46)	Chlorobenzene	5.03	112	432698	48.79	ug/l	99
47)	1,1,1,2-Tetrachloroethane	5.07	131	125904	44.70	ug/l	100
48)	Ethylbenzene	5.05	91	887571	49.80	ug/l	99
49)	m&p-Xylene	5.14	106	645910	100.21	ug/l	99
50)	o-Xylene	5.42	106	305093	50.68	ug/l	100
51)	Styrene	5.46	104	434585	48.70	ug/l	98
52)	Bromoform	5.47	173	54254	45.71	ug/l	99
56)	Isopropylbenzene	5.63	105	838005	52.14	ug/l	100
57)	1,1,2,2-Tetrachloroethane	5.95	83	119149	47.62	ug/l	100
58)	1,3-Dichlorobenzene	6.55	146	286946	50.00	ug/l	99
59)	1,4-Dichlorobenzene	6.62	146	285814	48.98	ug/l	99
60)	1,2-Dichlorobenzene	6.92	146	260455	48.49	ug/l	99
61)	1,2-Dibromo-3-Chloropropan	7.50	75	18951	49.11	ug/l	96
62)	1,2,4-Trichlorobenzene	7.98	180	143476	47.29	ug/l	98
63)	1,2,3-Trichlorobenzene	8.32	180	129080	44.97	ug/l	99
65)	1,4-Dioxane	3.76	58	39689	225.71	ug/l	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L27.D Vial: 27
Acq On : 26 Sep 2013 7:07 am Operator:
Sample : MSD BF43374 NJ TCL-50/200/500/2000PPB ST Inst : Instrumen
Misc : BF43374 MSD 50X HL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 11:28 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 04 08:21:50 2013
Response via : Initial Calibration



CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

BF43374 QC SAMPLE HL

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF43374 50X

Sample wt/vol: 4.88 (g/mL) g Lab File ID: 0925L11.D

Level: (low/med/meth): Meth Date Received: 09/20/13

% Moisture: 85 Date Analyzed: 09/25/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 25

Soil Extract Volume 10000 (uL) pH: < 2 Soil Aliquot Vol: 200 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	1700	U	440	1700
74-87-3	Chloromethane	1700	U	890	1700
75-01-4	Vinyl Chloride	1700	U	550	1700
74-83-9	Bromomethane	1700	U	1300	1700
75-00-3	Chloroethane	1700	U	410	1700
75-69-4	Trichlorofluoromethane	1700	U	380	1700
75-35-4	1,1-Dichloroethene	1700	U	380	1700
76-13-1	Trichlorotrifluoroethane	1700	U	270	1700
67-64-1	Acetone	17000	U	1700	17000
75-15-0	Carbon Disulfide	1700	U	280	1700
75-09-2	Methylene Chloride	600	JS	280	1700
79-20-9	METHYLACETATE	43000		1700	1700
156-60-5	Trans-1,2-Dichloroethene	1700	U	340	1700
75-34-3	1,1-Dichloroethane	1700	U	340	1700
156-59-2	Cis-1,2-Dichloroethene	1700	U	380	1700
78-93-3	Methyl Ethyl Ketone	10000	U	1500	10000
74-97-5	Bromochloromethane	1700	U	250	1700
110-82-7	CYCLOHEXANE	1700	U	1700	1700
67-66-3	Chloroform	1700	U	310	1700
71-55-6	1,1,1-Trichloroethane	1700	U	340	1700
1634-04-4	Methyl t-Butyl Ether (MTBE)	3400	U	480	3400
56-23-5	Carbon Tetrachloride	1700	U	200	1700
71-43-2	Benzene	1700	U	340	1700
107-06-2	1,2-Dichloroethane	1700	U	150	1700
108-87-2	METHYLCYCLOHEXANE	1700	U	1700	1700
79-01-6	Trichloroethene	1700	U	380	1700
78-87-5	1,2-dichloropropane	1700	U	240	1700
75-27-4	Bromodichloromethane	1700	U	210	1700
10061-01-5	cis-1,3-Dichloropropene	1700	U	180	1700
108-10-1	4-Methyl-2-Pentanone	8500	U	410	8500
108-88-3	Toluene	1700	U	270	1700
10061-02-6	trans-1,3-Dichloropropene	1700	U	340	1700
79-00-5	1,1,2-Trichloroethane	1700	U	170	1700
106-93-4	1,2-Dibromoethane	1700	U	440	1700
127-18-4	Tetrachloroethene	1700	U	380	1700
591-78-6	2-Hexanone	8500	U	790	8500

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

BF43374 QC SAMPLE HL

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BF43374 50X

Sample wt/vol: 4.88 (g/mL) g Lab File ID: 0925L11.D

Level: (low/med/meth): Meth Date Received: 09/20/13

% Moisture: 85 Date Analyzed: 09/25/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 25

Soil Extract Volume 10000 (uL) pH: < 2 Soil Aliquot Vol: 200 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	1700	U	190	1700
108-90-7	Chlorobenzene	1700	U	250	1700
100-41-4	Ethylbenzene	1700	U	310	1700
179601-23-1	m&p-Xylene	1700	U	680	1700
95-47-6	o-Xylene	1700	U	650	1700
100-42-5	Styrene	1700	U	480	1700
75-25-2	Bromoform	1700	U	240	1700
98-82-8	Isopropylbenzene	1700	U	330	1700
79-34-5	1,1,2,2-Tetrachloroethane	1700	U	240	1700
541-73-1	1,3-Dichlorobenzene	1700	U	250	1700
106-46-7	1,4-Dichlorobenzene	1700	U	270	1700
95-50-1	1,2-Dichlorobenzene	1700	U	190	1700
96-12-8	1,2-Dibromo-3-Chloropropane	1700	U	440	1700
120-82-1	1,2,4-Trichlorobenzene	1700	U	200	1700
87-61-6	1,2,3-Trichlorobenzene	1700	U	230	1700
123-91-1	1,4-Dioxane	34000	U	34000	34000

FORM I VOA

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L11.D Vial: 11
Acq On : 25 Sep 2013 11:12 pm Operator:
Sample : BF43374 50X Inst : Instrumen
Misc : BF43374 QC SAMPLE HL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 06:26:59 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Wed Sep 25 06:40:59 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	173350	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	317924	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	300558	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.60	152	147907	50.00	ug/l	0.00
64) Dioxane-d8	3.74	96	6953	50.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.85	192	13645	48.65	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 97.30%			
37) % Toluene-d8	4.09	98	403042	49.42	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.84%			
53) % Bromofluorobenzene	5.82	95	151156	47.24	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 94.48%			
55) % 1,2-dichlorobenzene-d4	6.91	152	129712	50.17	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.34%			
Target Compounds						Qvalue
~~12) Carbon Disulfide~~	~~1.77~~	~~76~~	~~5266~~	~~0.49~~	~~ug/l~~	~~99~~
13) Methylene Chloride	2.02	84	5370	1.75	ug/l	90
14) METHYLACETATE	2.10	43	206010	126.93	ug/l #	85
~~38) Toluene~~	~~4.12~~	~~91~~	~~8641~~	~~0.54~~	~~ug/l~~	~~93~~
~~43) Tetrachloroethene~~	~~4.35~~	~~164~~	~~1852~~	~~0.69~~	~~ug/l~~	~~99~~

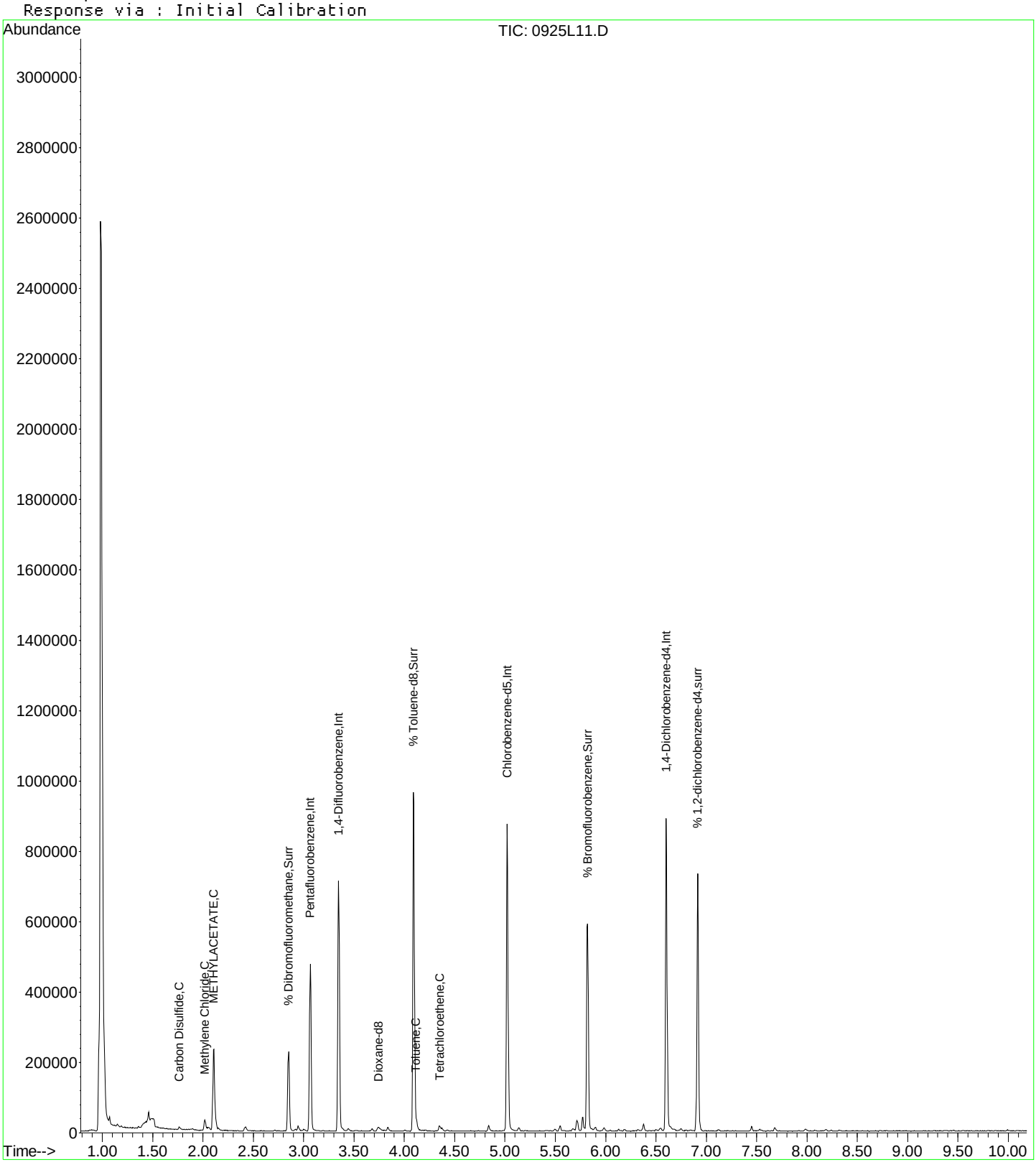
(#) = qualifier out of range (m) = manual integration

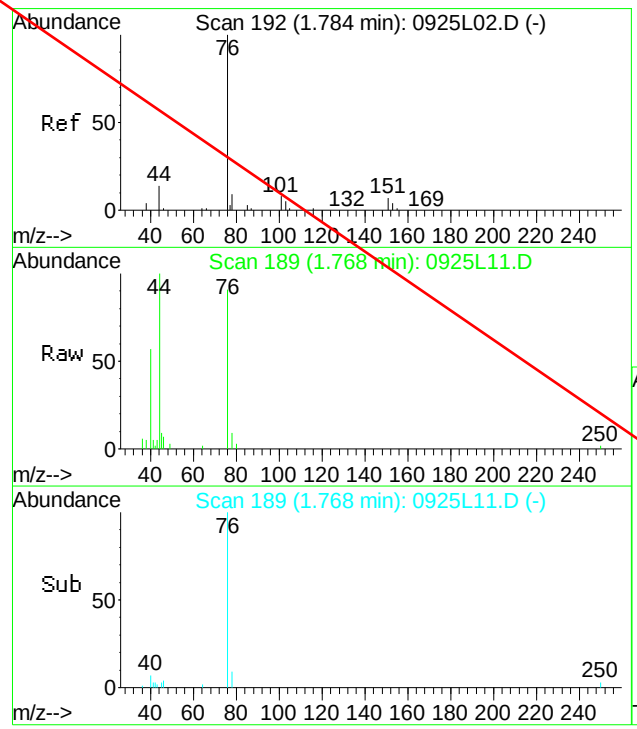
JC 10/04/13

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L11.D Vial: 11
Acq On : 25 Sep 2013 11:12 pm Operator:
Sample : BF43374 50X Inst : Instrumen
Misc : BF43374 QC SAMPLE HL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 6:40 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 04 08:21:50 2013
Response via : Initial Calibration

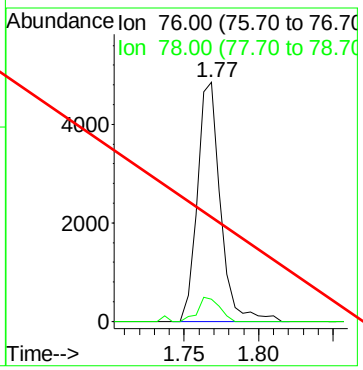


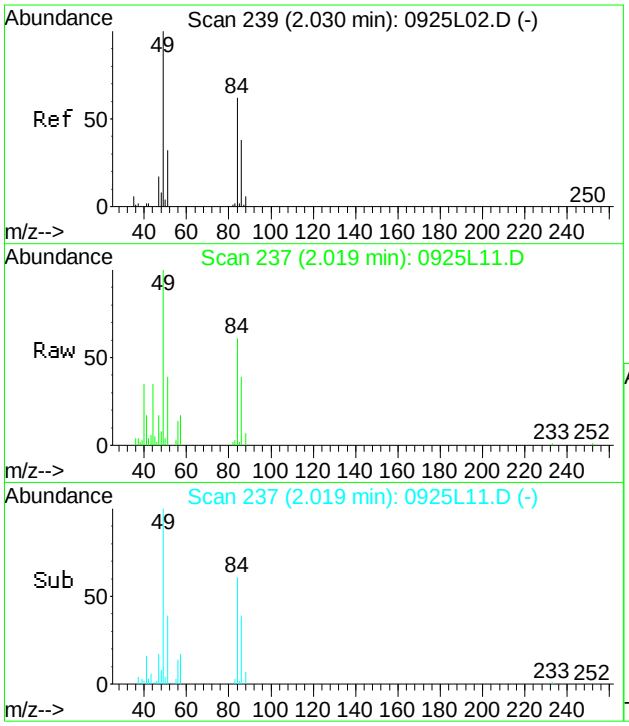


#12
Carbon Disulfide
Concen: 0.49 ug/l
RT: 1.77 min Scan# 189
Delta R.T. -0.02 min
Lab File: 0925L11.D
Acq: 25 Sep 2013 11:12 pm

Tgt Ion: 76 Resp: 5266

Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.9	11.9

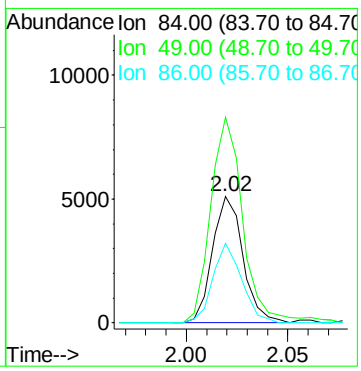


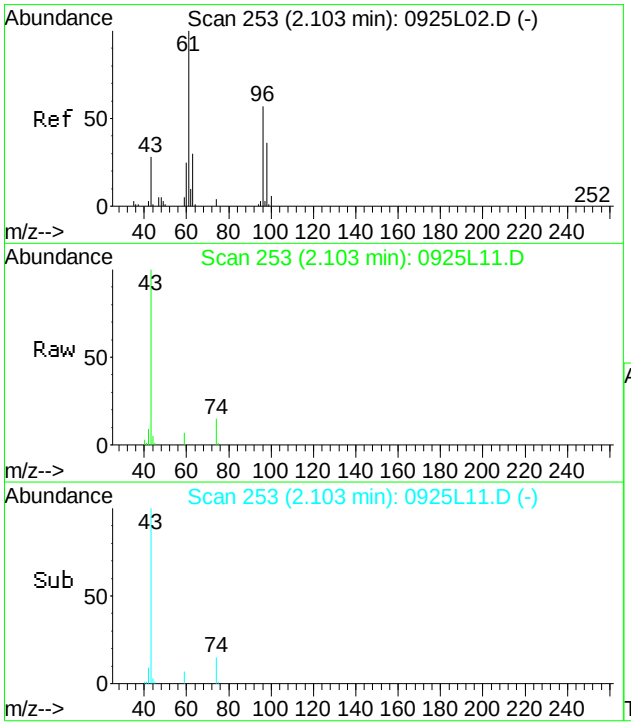


#13
Methylene Chloride
Concen: 1.75 ug/l
RT: 2.02 min Scan# 237
Delta R.T. -0.01 min
Lab File: 0925L11.D
Acq: 25 Sep 2013 11:12 pm

Tgt Ion: 84 Resp: 5370

Ion	Ratio	Lower	Upper
84	100		
49	162.7	161.1	201.1
86	62.8	41.4	81.4

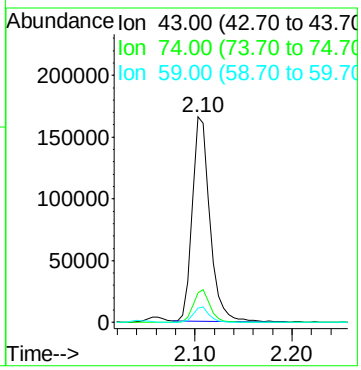


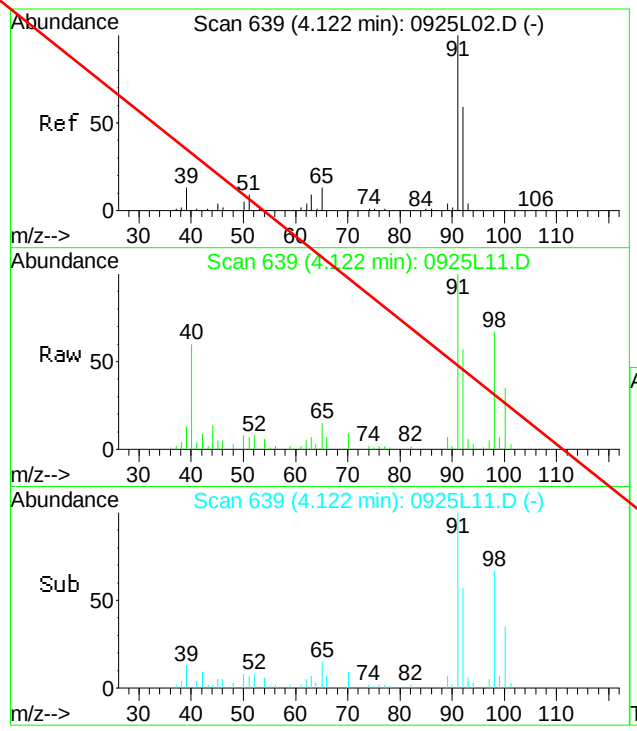


#14
METHYLACETATE
Concen: 126.93 ug/l
RT: 2.10 min Scan# 253
Delta R.T. -0.00 min
Lab File: 0925L11.D
Acq: 25 Sep 2013 11:12 pm

Tgt Ion: 43 Resp: 206010

Ion	Ratio	Lower	Upper
43	100		
74	15.6	13.2	19.8
59	7.2	14.9	22.3#

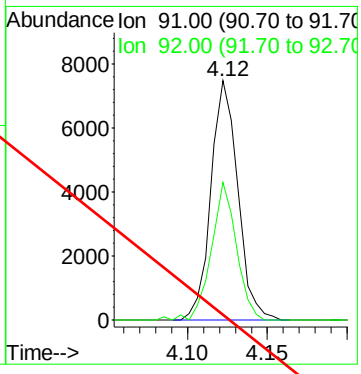


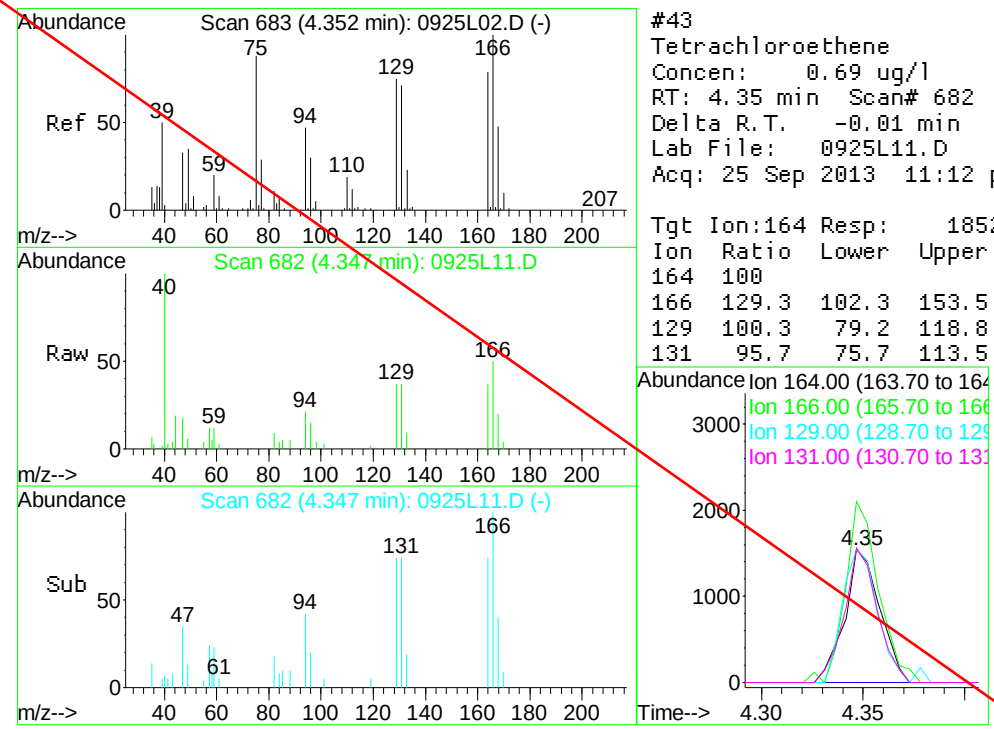


#38
Toluene
Concen: 0.54 ug/l
RT: 4.12 min Scan# 639
Delta R.T. -0.00 min
Lab File: 0925L11.D
Acq: 25 Sep 2013 11:12 pm

Tgt Ion: 91 Resp: 8641

Ion	Ratio	Lower	Upper
91	100		
92	53.5	46.7	70.1





#43
Tetrachloroethene
Concen: 0.69 ug/l
RT: 4.35 min Scan# 682
Delta R.T. -0.01 min
Lab File: 0925L11.D
Acq: 25 Sep 2013 11:12 pm

Tgt Ion:164 Resp: 1852

Ion	Ratio	Lower	Upper
164	100		
166	129.3	102.3	153.5
129	100.3	79.2	118.8
131	95.7	75.7	113.5

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

BF43374 BLANK

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BLANK 5G SAND

Sample wt/vol: 5 (g/mL) g Lab File ID: 0925L08.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: n.a. Date Analyzed: 09/25/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	5.0	U	1.3	5.0
74-87-3	Chloromethane	5.0	U	2.6	5.0
75-01-4	Vinyl Chloride	5.0	U	1.6	5.0
74-83-9	Bromomethane	5.0	U	3.9	5.0
75-00-3	Chloroethane	5.0	U	1.2	5.0
75-69-4	Trichlorofluoromethane	5.0	U	1.1	5.0
75-35-4	1,1-Dichloroethene	5.0	U	1.1	5.0
76-13-1	Trichlorotrifluoroethane	5.0	U	0.78	5.0
67-64-1	Acetone	50	U	5.0	50
75-15-0	Carbon Disulfide	5.0	U	0.81	5.0
75-09-2	Methylene Chloride	5.0	U	0.82	5.0
79-20-9	METHYLACETATE	5.0	U	5.0	5.0
156-60-5	Trans-1,2-Dichloroethene	5.0	U	1.0	5.0
75-34-3	1,1-Dichloroethane	5.0	U	0.99	5.0
156-59-2	Cis-1,2-Dichloroethene	5.0	U	1.1	5.0
78-93-3	Methyl Ethyl Ketone	30	U	4.3	30
74-97-5	Bromochloromethane	5.0	U	0.73	5.0
110-82-7	CYCLOHEXANE	5.0	U	5.0	5.0
67-66-3	Chloroform	5.0	U	0.91	5.0
71-55-6	1,1,1-Trichloroethane	5.0	U	1.0	5.0
1634-04-4	Methyl t-Butyl Ether (MTBE)	10	U	1.4	10
56-23-5	Carbon Tetrachloride	5.0	U	0.58	5.0
71-43-2	Benzene	5.0	U	0.99	5.0
107-06-2	1,2-Dichloroethane	5.0	U	0.44	5.0
108-87-2	METHYLCYCLOHEXANE	5.0	U	5.0	5.0
79-01-6	Trichloroethene	5.0	U	1.1	5.0
78-87-5	1,2-dichloropropane	5.0	U	0.71	5.0
75-27-4	Bromodichloromethane	5.0	U	0.62	5.0
10061-01-5	cis-1,3-Dichloropropene	5.0	U	0.54	5.0
108-10-1	4-Methyl-2-Pentanone	25	U	1.2	25
108-88-3	Toluene	5.0	U	0.79	5.0
10061-02-6	trans-1,3-Dichloropropene	5.0	U	1.0	5.0
79-00-5	1,1,2-Trichloroethane	5.0	U	0.49	5.0
106-93-4	1,2-Dibromoethane	5.0	U	1.3	5.0
127-18-4	Tetrachloroethene	5.0	U	1.1	5.0
591-78-6	2-Hexanone	25	U	2.3	25

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

BF43374 BLANK

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BLANK 5G SAND

Sample wt/vol: 5 (g/mL) g Lab File ID: 0925L08.D

Level: (low/med/meth): Low Date Received: 09/25/13

% Moisture: n.a. Date Analyzed: 09/25/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	5.0	U	0.56	5.0
108-90-7	Chlorobenzene	5.0	U	0.74	5.0
100-41-4	Ethylbenzene	5.0	U	0.91	5.0
179601-23-1	m&p-Xylene	5.0	U	2.0	5.0
95-47-6	o-Xylene	5.0	U	1.9	5.0
100-42-5	Styrene	5.0	U	1.4	5.0
75-25-2	Bromoform	5.0	U	0.70	5.0
98-82-8	Isopropylbenzene	5.0	U	0.96	5.0
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	0.71	5.0
541-73-1	1,3-Dichlorobenzene	5.0	U	0.74	5.0
106-46-7	1,4-Dichlorobenzene	5.0	U	0.79	5.0
95-50-1	1,2-Dichlorobenzene	5.0	U	0.55	5.0
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	1.3	5.0
120-82-1	1,2,4-Trichlorobenzene	5.0	U	0.59	5.0
87-61-6	1,2,3-Trichlorobenzene	5.0	U	0.67	5.0
123-91-1	1,4-Dioxane	100	U	100	100

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: BF43374 BLANK

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF43374 BLANK

Sample wt/vol: 5 (g/mL) g Lab File ID: 0925L08.D

Level: (low/med) Low Date Received: 09/25/13

% Moisture: not dec. 100 Date Analyzed: 09/25/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L08.D Vial: 8
Acq On : 25 Sep 2013 10:06 pm Operator:
Sample : BLANK 5G SAND Inst : Instrumen
Misc : BF43374 BLANK Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 06:26:56 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Wed Sep 25 06:40:59 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	188812	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	349497	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	332118	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.61	152	165761	50.00	ug/l	0.00
64) Dioxane-d8	3.74	96	5627	50.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.86	192	16143	52.84	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 105.68%			
37) % Toluene-d8	4.10	98	445517	49.70	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.40%			
53) % Bromofluorobenzene	5.82	95	167547	47.38	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 94.76%			
55) % 1,2-dichlorobenzene-d4	6.91	152	145579	50.24	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.48%			
Target Compounds						Qvalue
~~11) Acetone~~	~~2.06~~	~~43~~	~~8057~~	~~3.74~~	~~ug/l~~	~~90~~
~~13) Methylene Chloride~~	~~2.03~~	~~84~~	~~2380~~	~~0.71~~	~~ug/l~~ #	~~81~~
~~20) Methyl Ethyl Ketone~~	~~2.92~~	~~43~~	~~2563~~	~~0.80~~	~~ug/l~~	~~100~~
~~43) Tetrachloroethene~~	~~4.35~~	~~164~~	~~2629~~	~~0.88~~	~~ug/l~~	~~95~~

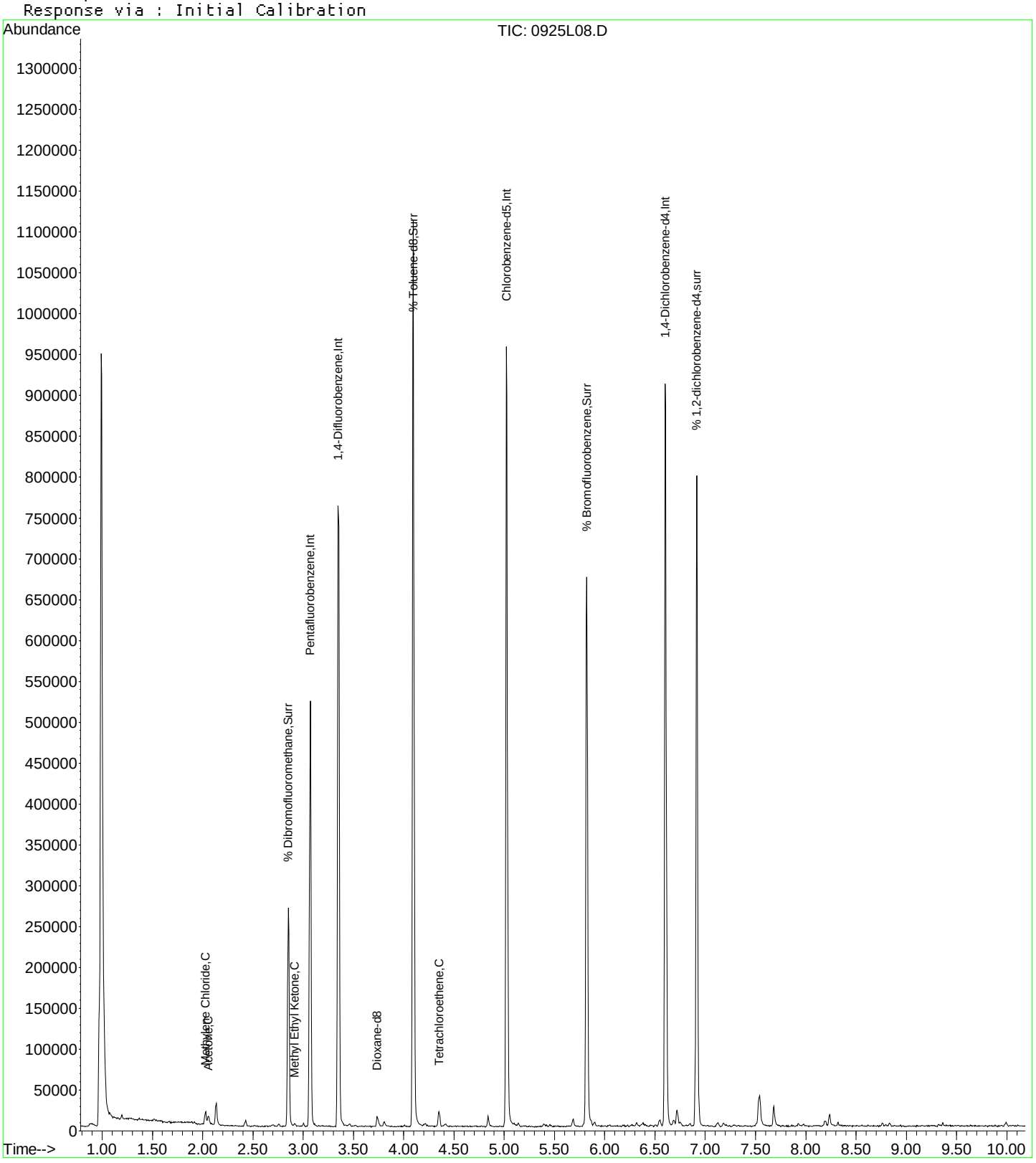
(#) = qualifier out of range (m) = manual integration
0925L08.D TCLSNJD_0924.M Fri Oct 04 08:23:28 2013 Page 1

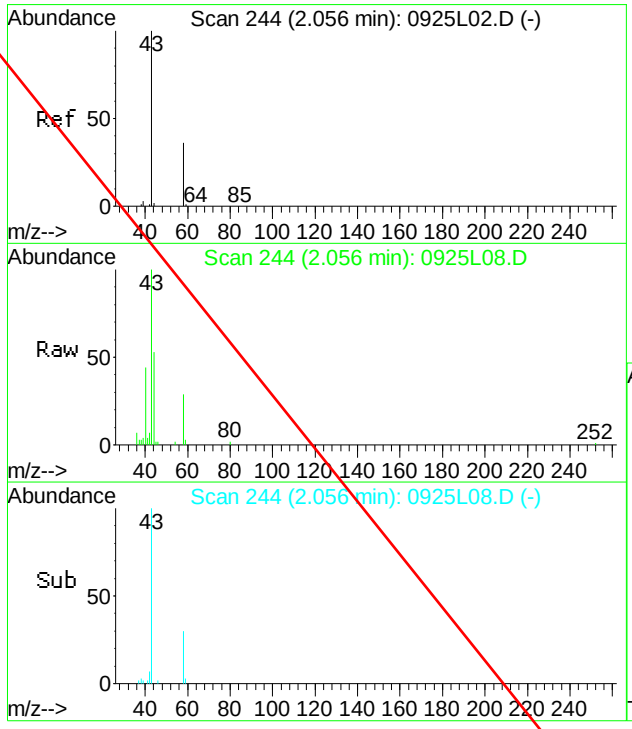
JC 10/04/13

Quantitation Report (QT/LSC Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092513\0925L08.D Vial: 8
Acq On : 25 Sep 2013 10:06 pm Operator:
Sample : BLANK 5G SAND Inst : Instrumen
Misc : BF43374 BLANK Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 6:39 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 04 08:21:50 2013
Response via : Initial Calibration

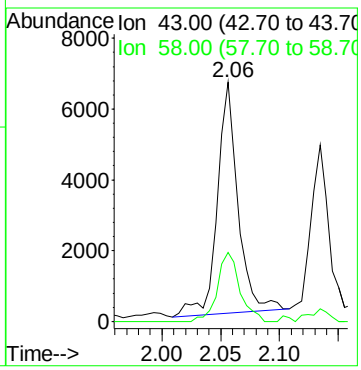


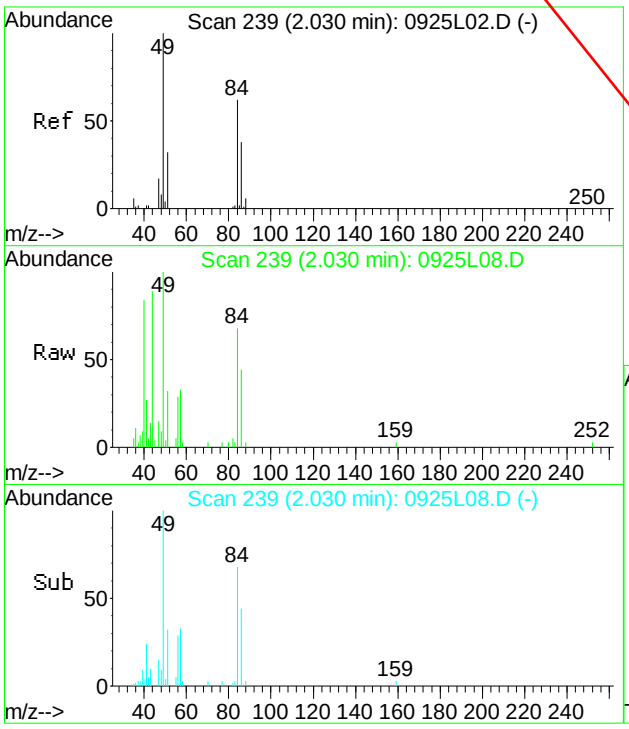


#11
Acetone
Concen: 3.74 ug/l
RT: 2.06 min Scan# 244
Delta R.T. 0.00 min
Lab File: 0925L08.D
Acq: 25 Sep 2013 10:06 pm

Tgt Ion: 43 Resp: 8057

Ion	Ratio	Lower	Upper
43	100		
58	32.1	30.4	45.6

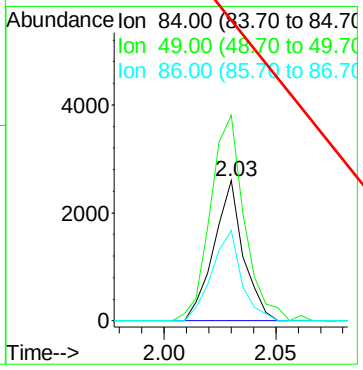


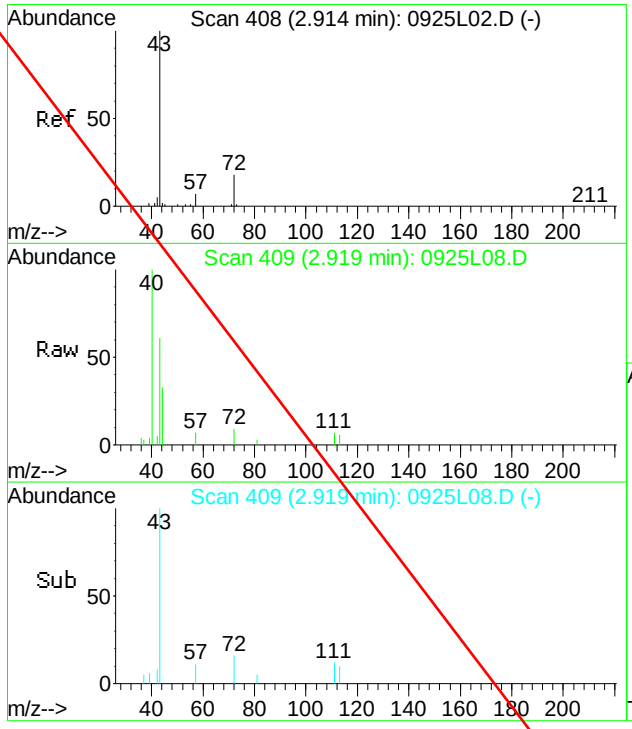


#13
Methylene Chloride
Concen: 0.71 ug/l
RT: 2.03 min Scan# 239
Delta R.T. 0.01 min
Lab File: 0925L08.D
Acq: 25 Sep 2013 10:06 pm

Tgt Ion: 84 Resp: 2380

Ion	Ratio	Lower	Upper
84	100		
49	146.7	161.1	201.1#
86	64.3	41.4	81.4

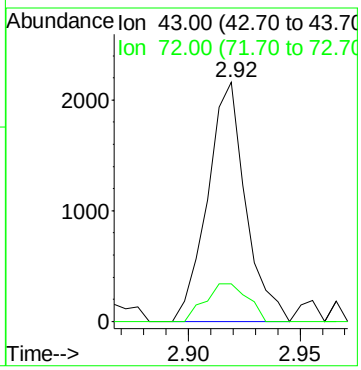


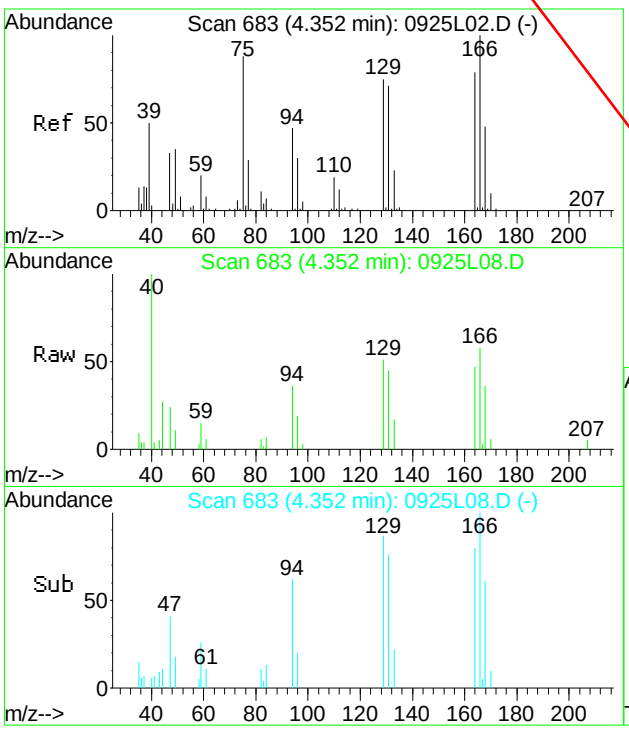


#20
Methyl Ethyl Ketone
Concen: 0.80 ug/l
RT: 2.92 min Scan# 409
Delta R.T. 0.01 min
Lab File: 0925L08.D
Acq: 25 Sep 2013 10:06 pm

Tgt Ion: 43 Resp: 2563

Ion	Ratio	Lower	Upper
43	100		
72	17.4	14.0	21.0

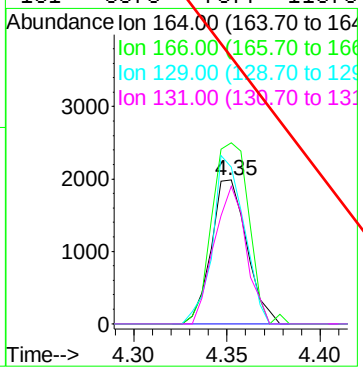




#43
Tetrachloroethene
Concen: 0.88 ug/l
RT: 4.35 min Scan# 683
Delta R.T. 0.00 min
Lab File: 0925L08.D
Acq: 25 Sep 2013 10:06 pm

Tgt Ion:164 Resp: 2629

Ion	Ratio	Lower	Upper
164	100		
166	131.5	102.3	153.5
129	103.5	79.2	118.8
131	86.5	75.7	113.5



CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

BF45202 LCS

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: LCS NJ TCL-50 PPB STD.

Sample wt/vol: 5 (g/mL) g Lab File ID: 0926L03A.D

Level: (low/med/meth): Low Date Received: 09/26/13

% Moisture: n.a. Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	38		1.3	5.0
74-87-3	Chloromethane	50		2.6	5.0
75-01-4	Vinyl Chloride	47		1.6	5.0
74-83-9	Bromomethane	48		3.9	5.0
75-00-3	Chloroethane	51		1.2	5.0
75-69-4	Trichlorofluoromethane	54		1.1	5.0
75-35-4	1,1-Dichloroethene	45		1.1	5.0
76-13-1	Trichlorotrifluoroethane	53		0.78	5.0
67-64-1	Acetone	18		5.0	50
75-15-0	Carbon Disulfide	45		0.81	5.0
75-09-2	Methylene Chloride	49		0.82	5.0
79-20-9	METHYLACETATE	48		5.0	5.0
156-60-5	Trans-1,2-Dichloroethene	50		1.0	5.0
75-34-3	1,1-Dichloroethane	50		0.99	5.0
156-59-2	Cis-1,2-Dichloroethene	51		1.1	5.0
78-93-3	Methyl Ethyl Ketone	23		4.3	30
74-97-5	Bromochloromethane	51		0.73	5.0
110-82-7	CYCLOHEXANE	49		5.0	5.0
67-66-3	Chloroform	52		0.91	5.0
71-55-6	1,1,1-Trichloroethane	51		1.0	5.0
1634-04-4	Methyl t-Butyl Ether (MTBE)	49		1.4	10
56-23-5	Carbon Tetrachloride	52		0.58	5.0
71-43-2	Benzene	49		0.99	5.0
107-06-2	1,2-Dichloroethane	51		0.44	5.0
108-87-2	METHYLCYCLOHEXANE	52		5.0	5.0
79-01-6	Trichloroethene	53		1.1	5.0
78-87-5	1,2-dichloropropane	53		0.71	5.0
75-27-4	Bromodichloromethane	53		0.62	5.0
10061-01-5	cis-1,3-Dichloropropene	54		0.54	5.0
108-10-1	4-Methyl-2-Pentanone	33		1.2	25
108-88-3	Toluene	51		0.79	5.0
10061-02-6	trans-1,3-Dichloropropene	53		1.0	5.0
79-00-5	1,1,2-Trichloroethane	52		0.49	5.0
106-93-4	1,2-Dibromoethane	52		1.3	5.0
127-18-4	Tetrachloroethene	52		1.1	5.0
591-78-6	2-Hexanone	24		2.3	25

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

BF45202 LCS

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: LCS NJ TCL-50 PPB STD.

Sample wt/vol: 5 (g/mL) g Lab File ID: 0926L03A.D

Level: (low/med/meth): Low Date Received: 09/26/13

% Moisture: n.a. Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	53		0.56	5.0
108-90-7	Chlorobenzene	51		0.74	5.0
100-41-4	Ethylbenzene	50		0.91	5.0
179601-23-1	m&p-Xylene	100		2.0	5.0
95-47-6	o-Xylene	53		1.9	5.0
100-42-5	Styrene	54		1.4	5.0
75-25-2	Bromoform	54		0.70	5.0
98-82-8	Isopropylbenzene	53		0.96	5.0
79-34-5	1,1,2,2-Tetrachloroethane	48		0.71	5.0
541-73-1	1,3-Dichlorobenzene	53		0.74	5.0
106-46-7	1,4-Dichlorobenzene	52		0.79	5.0
95-50-1	1,2-Dichlorobenzene	50		0.55	5.0
96-12-8	1,2-Dibromo-3-Chloropropane	49		1.3	5.0
120-82-1	1,2,4-Trichlorobenzene	53		0.59	5.0
87-61-6	1,2,3-Trichlorobenzene	53		0.67	5.0
123-91-1	1,4-Dioxane	3100		100	100

FORM I VOA

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L03A.D Vial: 4
Acq On : 26 Sep 2013 2:08 pm Operator:
Sample : LCS NJ TCL-50 PPB STD. Inst : Instrumen
Misc : BF45202 LCS Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 05:55:16 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	179690	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	329313	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	300603	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.60	152	160685	50.00	ug/l	0.00
64) Dioxane-d8	3.74	96	4580	500.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.85	192	14420	49.59	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.18%			
37) % Toluene-d8	4.10	98	421445	49.89	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.78%			
53) % Bromofluorobenzene	5.82	95	160252	50.07	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.14%			
55) % 1,2-dichlorobenzene-d4	6.92	152	139872	49.79	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.58%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.08	85	116218	37.54	ug/l	99
3) Chloromethane	1.18	50	309060	49.86	ug/l	100
4) Vinyl Chloride	1.22	62	261739	47.16	ug/l	99
5) Bromomethane	1.39	94	128917	47.87	ug/l	100
6) Chloroethane	1.45	64	154190	50.88	ug/l	99
7) Trichlorofluoromethane	1.52	101	293024	53.78	ug/l	98
8) 1,1-Dichloroethene	1.76	96	143239	44.71	ug/l	95
9) Trichlorotrifluoroethane	1.77	101	166090	52.72	ug/l	96
10) Acrolein	1.92	56	94974	256.24	ug/l	99
11) Acetone	2.06	43	36532	17.80	ug/l	100
12) Carbon Disulfide	1.78	76	500874	44.92	ug/l	100
13) Methylene Chloride	2.02	84	156531	49.24	ug/l	98
14) METHYLACETATE	2.10	43	81576	48.49	ug/l	97
15) Trans-1,2-Dichloroethene	2.10	96	177659	49.52	ug/l	99
16) Acrylonitrile	2.41	53	207154	249.99	ug/l	98
17) tert-butanol	2.19	59	91080	515.69	ug/l	99
18) 1,1-Dichloroethane	2.39	63	384983	50.36	ug/l	100
19) Cis-1,2-Dichloroethene	2.64	96	196559	51.41	ug/l	99
20) Methyl Ethyl Ketone	2.91	43	69143	22.67	ug/l	99
21) Bromochloromethane	2.74	128	71301	51.38	ug/l	99
22) CYCLOHEXANE	2.74	56	513812	49.05	ug/l	100
23) Chloroform	2.76	83	350820	52.15	ug/l	99
25) 1,1,1-Trichloroethane	2.87	97	304698	51.22	ug/l	99
27) Methyl t-Butyl Ether (MTBE	2.15	73	312590	48.80	ug/l	99
28) Carbon Tetrachloride	2.84	117	222739	51.66	ug/l	99
29) Benzene	3.06	78	775206	48.69	ug/l	100
30) 1,2-Dichloroethane	3.15	62	221072	50.88	ug/l	99
31) METHYLCYCLOHEXANE	3.34	55	422420	52.01	ug/l	99
32) Trichloroethene	3.34	130	197422	53.21	ug/l	98
33) 1,2-dichloropropane	3.61	63	215203	53.19	ug/l	100
34) Bromodichloromethane	3.64	83	237968	52.55	ug/l	100
35) cis-1,3-Dichloropropene	3.99	75	263548	54.16	ug/l	99
36) 4-Methyl-2-Pentanone	4.33	43	142195	33.29	ug/l	99
38) Toluene	4.12	91	836745	50.82	ug/l	100
39) trans-1,3-Dichloropropene	4.36	75	209760	53.05	ug/l	99
40) 1,1,2-Trichloroethane	4.45	97	121758	52.12	ug/l	97
41) 1,2-Dibromoethane	4.71	107	107176	51.67	ug/l	98
43) Tetrachloroethene	4.35	164	141656	52.47	ug/l	99
44) 2-Hexanone	4.83	43	103244	24.06	ug/l	99
45) Dibromochloromethane	4.56	129	133241	52.73	ug/l	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L03A.D Vial: 4
Acq On : 26 Sep 2013 2:08 pm Operator:
Sample : LCS NJ TCL-50 PPB STD. Inst : Instrumen
Misc : BF45202 LCS Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 05:55:16 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

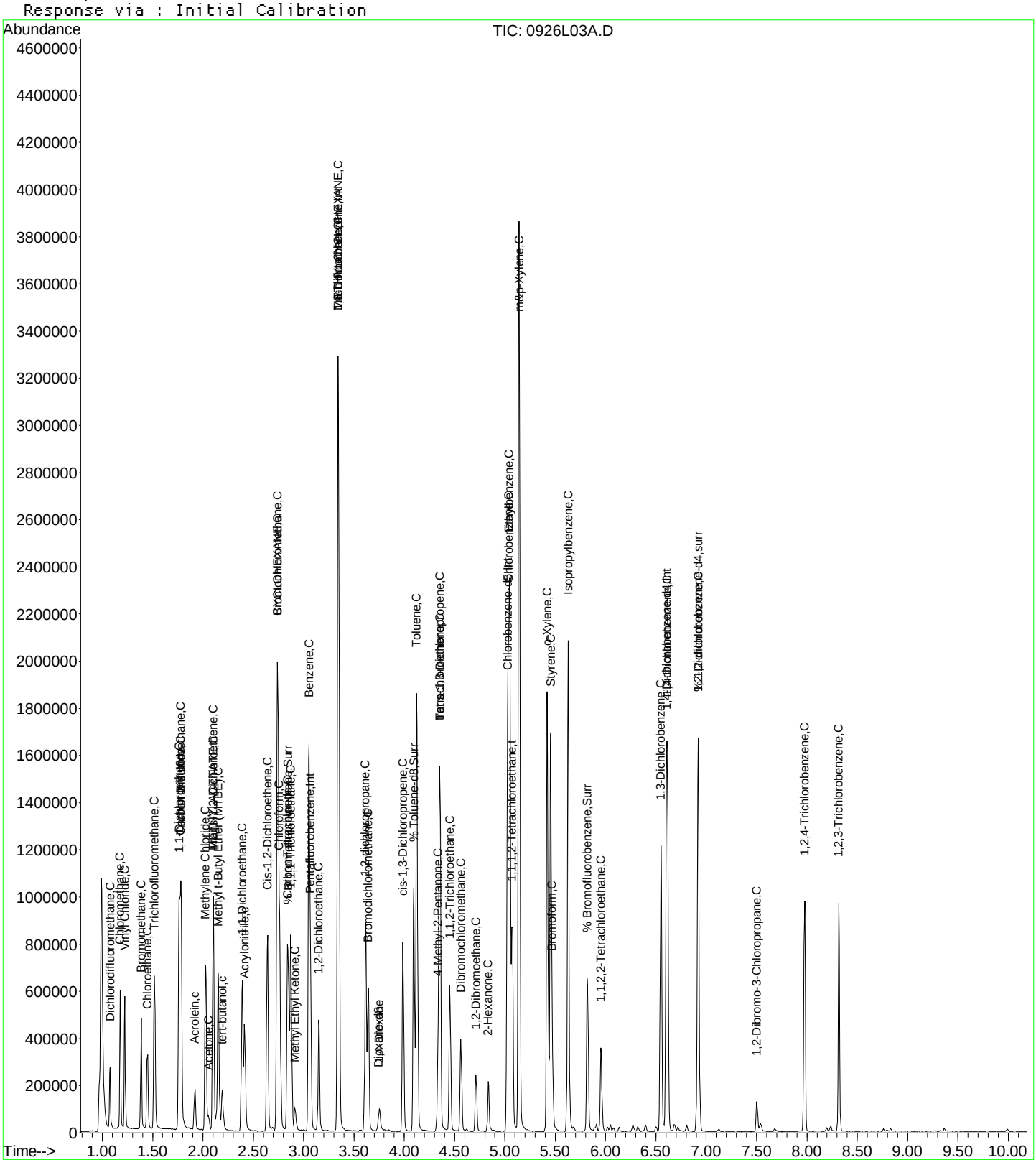
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46)	Chlorobenzene	5.03	112	483395	51.42	ug/l	99
47)	1,1,1,2-Tetrachloroethane	5.07	131	157450	52.74	ug/l	99
48)	Ethylbenzene	5.05	91	945951	50.07	ug/l	99
49)	m&p-Xylene	5.14	106	690694	101.10	ug/l	99
50)	o-Xylene	5.42	106	338134	52.99	ug/l	100
51)	Styrene	5.46	104	507425	53.65	ug/l	98
52)	Bromoform	5.47	173	67896	53.97	ug/l	99
56)	Isopropylbenzene	5.63	105	936584	52.83	ug/l	100
57)	1,1,2,2-Tetrachloroethane	5.95	83	132477	48.00	ug/l	100
58)	1,3-Dichlorobenzene	6.55	146	336040	53.09	ug/l	99
59)	1,4-Dichlorobenzene	6.62	146	333248	51.77	ug/l	99
60)	1,2-Dichlorobenzene	6.92	146	298400	50.36	ug/l	99
61)	1,2-Dibromo-3-Chloropropan	7.50	75	20919	49.14	ug/l	97
62)	1,2,4-Trichlorobenzene	7.98	180	178642	53.38	ug/l	100
63)	1,2,3-Trichlorobenzene	8.32	180	168522	53.23	ug/l	100
65)	1,4-Dioxane	3.75	58	42223	3097.96	ug/l	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L03A.D Vial: 4
Acq On : 26 Sep 2013 2:08 pm Operator:
Sample : LCS NJ TCL-50 PPB STD. Inst : Instrumen
Misc : BF45202 LCS Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 5:55 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 04 08:30:36 2013
Response via : Initial Calibration



CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

BF45202 LCSD

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: LCSD NJ TCL-50 PPB STD.

Sample wt/vol: 5 (g/mL) g Lab File ID: 0926L04A.D

Level: (low/med/meth): Low Date Received: 09/26/13

% Moisture: n.a. Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	29		1.3	5.0
74-87-3	Chloromethane	41		2.6	5.0
75-01-4	Vinyl Chloride	40		1.6	5.0
74-83-9	Bromomethane	41		3.9	5.0
75-00-3	Chloroethane	43		1.2	5.0
75-69-4	Trichlorofluoromethane	46		1.1	5.0
75-35-4	1,1-Dichloroethene	37		1.1	5.0
76-13-1	Trichlorotrifluoroethane	41		0.78	5.0
67-64-1	Acetone	16		5.0	50
75-15-0	Carbon Disulfide	33		0.81	5.0
75-09-2	Methylene Chloride	43		0.82	5.0
79-20-9	METHYLACETATE	50		5.0	5.0
156-60-5	Trans-1,2-Dichloroethene	43		1.0	5.0
75-34-3	1,1-Dichloroethane	45		0.99	5.0
156-59-2	Cis-1,2-Dichloroethene	46		1.1	5.0
78-93-3	Methyl Ethyl Ketone	21		4.3	30
74-97-5	Bromochloromethane	46		0.73	5.0
110-82-7	CYCLOHEXANE	42		5.0	5.0
67-66-3	Chloroform	47		0.91	5.0
71-55-6	1,1,1-Trichloroethane	46		1.0	5.0
1634-04-4	Methyl t-Butyl Ether (MTBE)	46		1.4	10
56-23-5	Carbon Tetrachloride	46		0.58	5.0
71-43-2	Benzene	43		0.99	5.0
107-06-2	1,2-Dichloroethane	47		0.44	5.0
108-87-2	METHYLCYCLOHEXANE	43		5.0	5.0
79-01-6	Trichloroethene	48		1.1	5.0
78-87-5	1,2-dichloropropane	48		0.71	5.0
75-27-4	Bromodichloromethane	48		0.62	5.0
10061-01-5	cis-1,3-Dichloropropene	49		0.54	5.0
108-10-1	4-Methyl-2-Pentanone	32		1.2	25
108-88-3	Toluene	45		0.79	5.0
10061-02-6	trans-1,3-Dichloropropene	49		1.0	5.0
79-00-5	1,1,2-Trichloroethane	48		0.49	5.0
106-93-4	1,2-Dibromoethane	48		1.3	5.0
127-18-4	Tetrachloroethene	47		1.1	5.0
591-78-6	2-Hexanone	23		2.3	25

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

BF45202 LCSD

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: LCSD NJ TCL-50 PPB STD.

Sample wt/vol: 5 (g/mL) g Lab File ID: 0926L04A.D

Level: (low/med/meth): Low Date Received: 09/26/13

% Moisture: n.a. Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	50		0.56	5.0
108-90-7	Chlorobenzene	47		0.74	5.0
100-41-4	Ethylbenzene	45		0.91	5.0
179601-23-1	m&p-Xylene	91		2.0	5.0
95-47-6	o-Xylene	47		1.9	5.0
100-42-5	Styrene	48		1.4	5.0
75-25-2	Bromoform	51		0.70	5.0
98-82-8	Isopropylbenzene	48		0.96	5.0
79-34-5	1,1,2,2-Tetrachloroethane	45		0.71	5.0
541-73-1	1,3-Dichlorobenzene	47		0.74	5.0
106-46-7	1,4-Dichlorobenzene	46		0.79	5.0
95-50-1	1,2-Dichlorobenzene	46		0.55	5.0
96-12-8	1,2-Dibromo-3-Chloropropane	49		1.3	5.0
120-82-1	1,2,4-Trichlorobenzene	46		0.59	5.0
87-61-6	1,2,3-Trichlorobenzene	47		0.67	5.0
123-91-1	1,4-Dioxane	2500		100	100

FORM I VOA

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L04A.D Vial: 5
Acq On : 26 Sep 2013 2:30 pm Operator:
Sample : LCSD NJ TCL-50 PPB STD. Inst : Instrumen
Misc : BF45202 LCSD Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 05:55:17 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	192028	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	350210	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	318877	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.60	152	168289	50.00	ug/l	0.00
64) Dioxane-d8	3.73	96	5577	500.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.85	192	15687	50.49	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.98%			
37) % Toluene-d8	4.10	98	452840	50.41	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.82%			
53) % Bromofluorobenzene	5.82	95	171197	50.43	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.86%			
55) % 1,2-dichlorobenzene-d4	6.91	152	147081	50.00	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.08	85	95156	28.76	ug/l	98
3) Chloromethane	1.18	50	271328	40.96	ug/l	100
4) Vinyl Chloride	1.22	62	235007	39.62	ug/l	100
5) Bromomethane	1.39	94	119307	41.45	ug/l	100
6) Chloroethane	1.45	64	140391	43.35	ug/l	100
7) Trichlorofluoromethane	1.52	101	267647	45.97	ug/l	100
8) 1,1-Dichloroethene	1.76	96	126330	36.90	ug/l	94
9) Trichlorotrifluoroethane	1.77	101	137068	40.72	ug/l	97
10) Acrolein	1.92	56	78313	197.72	ug/l	98
11) Acetone	2.06	43	34990	15.96	ug/l	98
12) Carbon Disulfide	1.78	76	393715	33.04	ug/l	99
13) Methylene Chloride	2.02	84	144762	42.61	ug/l	98
14) METHYLACETATE	2.10	43	89590	49.83	ug/l	97
15) Trans-1,2-Dichloroethene	2.10	96	163562	42.66	ug/l	99
16) Acrylonitrile	2.41	53	211346	238.67	ug/l	99
17) tert-butanol	2.19	59	95031	503.49	ug/l	99
18) 1,1-Dichloroethane	2.39	63	367807	45.02	ug/l	99
19) Cis-1,2-Dichloroethene	2.64	96	188769	46.20	ug/l	99
20) Methyl Ethyl Ketone	2.91	43	68721	21.08	ug/l	100
21) Bromochloromethane	2.74	128	68740	46.36	ug/l	98
22) CYCLOHEXANE	2.74	56	470354	42.02	ug/l	99
23) Chloroform	2.76	83	335464	46.67	ug/l	99
25) 1,1,1-Trichloroethane	2.87	97	290836	45.75	ug/l	99
27) Methyl t-Butyl Ether (MTBE	2.16	73	314479	46.17	ug/l	99
28) Carbon Tetrachloride	2.84	117	210329	45.87	ug/l	95
29) Benzene	3.05	78	733473	43.32	ug/l	100
30) 1,2-Dichloroethane	3.15	62	216118	46.78	ug/l	99
31) METHYLCYCLOHEXANE	3.34	55	373180	43.21	ug/l	99
32) Trichloroethene	3.34	130	189141	47.93	ug/l	97
33) 1,2-dichloropropane	3.61	63	205519	47.76	ug/l	100
34) Bromodichloromethane	3.64	83	231765	48.13	ug/l	99
35) cis-1,3-Dichloropropene	3.99	75	251488	48.60	ug/l	99
36) 4-Methyl-2-Pentanone	4.33	43	146619	32.28	ug/l	99
38) Toluene	4.12	91	795169	45.42	ug/l	100
39) trans-1,3-Dichloropropene	4.36	75	204675	48.68	ug/l	98
40) 1,1,2-Trichloroethane	4.45	97	119648	48.16	ug/l	99
41) 1,2-Dibromoethane	4.71	107	106837	48.43	ug/l	99
43) Tetrachloroethene	4.35	164	134392	46.92	ug/l	98
44) 2-Hexanone	4.83	43	102418	22.50	ug/l	98
45) Dibromochloromethane	4.56	129	133744	49.90	ug/l	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L04A.D Vial: 5
Acq On : 26 Sep 2013 2:30 pm Operator:
Sample : LCSD NJ TCL-50 PPB STD. Inst : Instrumen
Misc : BF45202 LCSD Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 05:55:17 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

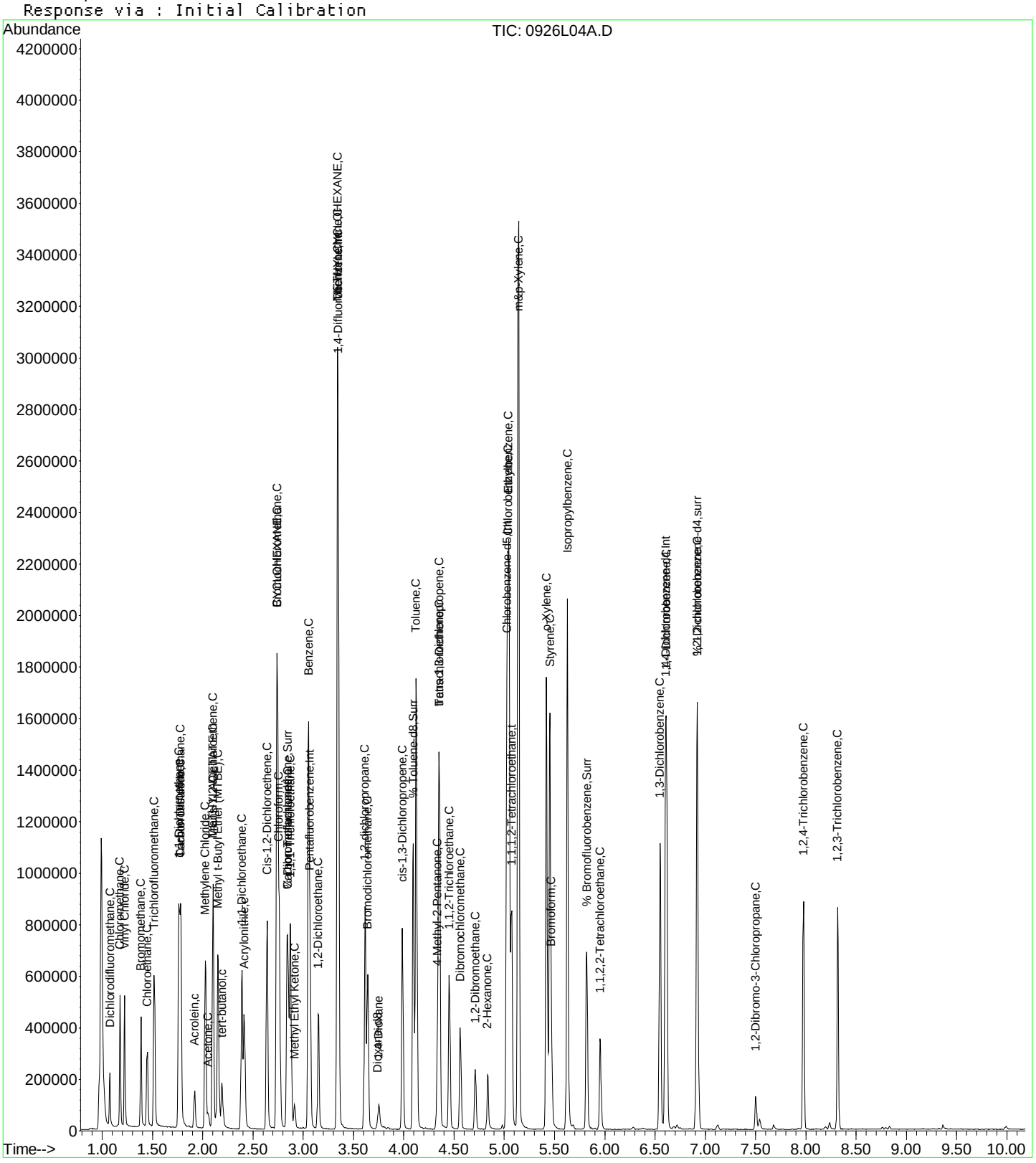
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Chlorobenzene	5.03	112	468036	46.94	ug/l	99
47) 1,1,1,2-Tetrachloroethane	5.07	131	155863	49.22	ug/l	98
48) Ethylbenzene	5.05	91	899162	44.87	ug/l	100
49) m&p-Xylene	5.14	106	661560	91.29	ug/l	99
50) o-Xylene	5.42	106	315846	46.66	ug/l	98
51) Styrene	5.46	104	484892	48.33	ug/l	97
52) Bromoform	5.47	173	67958	50.92	ug/l	98
56) Isopropylbenzene	5.63	105	893016	48.10	ug/l	100
57) 1,1,2,2-Tetrachloroethane	5.95	83	130950	45.30	ug/l	99
58) 1,3-Dichlorobenzene	6.55	146	311523	46.99	ug/l	99
59) 1,4-Dichlorobenzene	6.62	146	310807	46.10	ug/l	100
60) 1,2-Dichlorobenzene	6.92	146	284125	45.78	ug/l	98
61) 1,2-Dibromo-3-Chloropropan	7.50	75	21631	48.52	ug/l	98
62) 1,2,4-Trichlorobenzene	7.98	180	159912	45.62	ug/l	99
63) 1,2,3-Trichlorobenzene	8.32	180	157084	47.38	ug/l	99
65) 1,4-Dioxane	3.75	58	41406	2494.91	ug/l	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L04A.D Vial: 5
Acq On : 26 Sep 2013 2:30 pm Operator:
Sample : LCSD NJ TCL-50 PPB STD. Inst : Instrumen
Misc : BF45202 LCSD Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 5:55 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Fri Oct 04 08:30:36 2013
Response via : Initial Calibration



CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

BF45202 MS

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: SPIKE NJ TCL-50/200/500/20(

Sample wt/vol: 5 (g/mL) g Lab File ID: 0926L18.D

Level: (low/med/meth): Low Date Received: 09/26/13

% Moisture: 100 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	64		#VALUE!	#VALUE!
74-87-3	Chloromethane	60		#VALUE!	#VALUE!
75-01-4	Vinyl Chloride	62		#VALUE!	#VALUE!
74-83-9	Bromomethane	64		#VALUE!	#VALUE!
75-00-3	Chloroethane	65		#VALUE!	#VALUE!
75-69-4	Trichlorofluoromethane	66		#VALUE!	#VALUE!
75-35-4	1,1-Dichloroethene	59		#VALUE!	#VALUE!
76-13-1	Trichlorotrifluoroethane	62		#VALUE!	#VALUE!
67-64-1	Acetone	56		#VALUE!	#VALUE!
75-15-0	Carbon Disulfide	61		#VALUE!	#VALUE!
75-09-2	Methylene Chloride	59		#VALUE!	#VALUE!
79-20-9	METHYLACETATE	64		#VALUE!	#VALUE!
156-60-5	Trans-1,2-Dichloroethene	60		#VALUE!	#VALUE!
75-34-3	1,1-Dichloroethane	60		#VALUE!	#VALUE!
156-59-2	Cis-1,2-Dichloroethene	59		#VALUE!	#VALUE!
78-93-3	Methyl Ethyl Ketone	66		#VALUE!	#VALUE!
74-97-5	Bromochloromethane	61		#VALUE!	#VALUE!
110-82-7	CYCLOHEXANE	61		#VALUE!	#VALUE!
67-66-3	Chloroform	61		#VALUE!	#VALUE!
71-55-6	1,1,1-Trichloroethane	60		#VALUE!	#VALUE!
1634-04-4	Methyl t-Butyl Ether (MTBE)	57		#VALUE!	#VALUE!
56-23-5	Carbon Tetrachloride	61		#VALUE!	#VALUE!
71-43-2	Benzene	58		#VALUE!	#VALUE!
107-06-2	1,2-Dichloroethane	62		#VALUE!	#VALUE!
108-87-2	METHYLCYCLOHEXANE	61		#VALUE!	#VALUE!
79-01-6	Trichloroethene	61		#VALUE!	#VALUE!
78-87-5	1,2-dichloropropane	58		#VALUE!	#VALUE!
75-27-4	Bromodichloromethane	60		#VALUE!	#VALUE!
10061-01-5	cis-1,3-Dichloropropene	59		#VALUE!	#VALUE!
108-10-1	4-Methyl-2-Pentanone	63		#VALUE!	#VALUE!
108-88-3	Toluene	58		#VALUE!	#VALUE!
10061-02-6	trans-1,3-Dichloropropene	61		#VALUE!	#VALUE!
79-00-5	1,1,2-Trichloroethane	58		#VALUE!	#VALUE!
106-93-4	1,2-Dibromoethane	59		#VALUE!	#VALUE!
127-18-4	Tetrachloroethene	57		#VALUE!	#VALUE!
591-78-6	2-Hexanone	60		#VALUE!	#VALUE!

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

BF45202 MS

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: SPIKE NJ TCL-50/200/500/20(

Sample wt/vol: 5 (g/mL) g Lab File ID: 0926L18.D

Level: (low/med/meth): Low Date Received: 09/26/13

% Moisture: 100 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	59		#VALUE!	#VALUE!
108-90-7	Chlorobenzene	56		#VALUE!	#VALUE!
100-41-4	Ethylbenzene	57		#VALUE!	#VALUE!
179601-23-1	m&p-Xylene	110		#VALUE!	#VALUE!
95-47-6	o-Xylene	59		#VALUE!	#VALUE!
100-42-5	Styrene	57		#VALUE!	#VALUE!
75-25-2	Bromoform	60		#VALUE!	#VALUE!
98-82-8	Isopropylbenzene	57		#VALUE!	#VALUE!
79-34-5	1,1,2,2-Tetrachloroethane	55		#VALUE!	#VALUE!
541-73-1	1,3-Dichlorobenzene	54		#VALUE!	#VALUE!
106-46-7	1,4-Dichlorobenzene	53		#VALUE!	#VALUE!
95-50-1	1,2-Dichlorobenzene	54		#VALUE!	#VALUE!
96-12-8	1,2-Dibromo-3-Chloropropane	57		#VALUE!	#VALUE!
120-82-1	1,2,4-Trichlorobenzene	50		#VALUE!	#VALUE!
87-61-6	1,2,3-Trichlorobenzene	52		#VALUE!	#VALUE!
123-91-1	1,4-Dioxane	2600		#VALUE!	#VALUE!

FORM I VOA

Quantitation Report (QT Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L18.D Vial: 18
Acq On : 26 Sep 2013 6:58 pm Operator:
Sample : SPIKE NJ TCL-50/200/500/2000PPB STD Inst : Instrumen
Misc : BF45202 MS Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 05:55:30 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	132577	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	245659	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	229027	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.60	152	122802	50.00	ug/l	0.00
64) Dioxane-d8	3.73	96	4456	500.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.85	192	11059	51.55	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 103.10%			
37) % Toluene-d8	4.10	98	314394	49.89	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.78%			
53) % Bromofluorobenzene	5.82	95	122707	50.32	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.64%			
55) % 1,2-dichlorobenzene-d4	6.91	152	106088	49.42	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.84%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.08	85	145879	63.87	ug/l	99
3) Chloromethane	1.18	50	276463	60.45	ug/l	100
4) Vinyl Chloride	1.22	62	253303	61.86	ug/l	99
5) Bromomethane	1.39	94	126685	63.76	ug/l	98
6) Chloroethane	1.45	64	146063	65.32	ug/l	100
7) Trichlorofluoromethane	1.52	101	263828	65.63	ug/l	100
8) 1,1-Dichloroethene	1.76	96	139748	59.12	ug/l	93
9) Trichlorotrifluoroethane	1.77	101	144414	62.13	ug/l	100
10) Acrolein	1.92	56	79555	290.92	ug/l	99
11) Acetone	2.06	43	84414	55.75	ug/l	99
12) Carbon Disulfide	1.78	76	498550	60.60	ug/l	100
13) Methylene Chloride	2.02	84	137530	58.64	ug/l	96
14) METHYLACETATE	2.10	43	79798	64.29	ug/l	99
15) Trans-1,2-Dichloroethene	2.10	96	158617	59.92	ug/l	98
16) Acrylonitrile	2.41	53	192164	314.31	ug/l	100
17) tert-butanol	2.19	59	82793	635.36	ug/l	92
18) 1,1-Dichloroethane	2.39	63	338137	59.95	ug/l	99
19) Cis-1,2-Dichloroethene	2.64	96	165400	58.63	ug/l	100
20) Methyl Ethyl Ketone	2.91	43	148109	65.81	ug/l	100
21) Bromochloromethane	2.74	128	61990	60.55	ug/l	99
22) CYCLOHEXANE	2.74	56	470890	60.93	ug/l	99
23) Chloroform	2.76	83	300509	60.55	ug/l	100
25) 1,1,1-Trichloroethane	2.87	97	261513	59.58	ug/l	98
27) Methyl t-Butyl Ether (MTBE	2.15	73	274283	57.41	ug/l	98
28) Carbon Tetrachloride	2.84	117	196801	61.19	ug/l	99
29) Benzene	3.05	78	693071	58.35	ug/l	100
30) 1,2-Dichloroethane	3.15	62	199693	61.62	ug/l	99
31) METHYLCYCLOHEXANE	3.34	55	370318	61.12	ug/l	99
32) Trichloroethene	3.34	130	168296	60.80	ug/l	98
33) 1,2-dichloropropane	3.61	63	176073	58.34	ug/l	100
34) Bromodichloromethane	3.64	83	203060	60.11	ug/l	97
35) cis-1,3-Dichloropropene	3.99	75	213927	58.93	ug/l	99
36) 4-Methyl-2-Pentanone	4.33	43	200489	62.93	ug/l	99
38) Toluene	4.12	91	712945	58.05	ug/l	99
39) trans-1,3-Dichloropropene	4.36	75	179108	60.73	ug/l	99
40) 1,1,2-Trichloroethane	4.45	97	101848	58.45	ug/l	97
41) 1,2-Dibromoethane	4.71	107	90814	58.69	ug/l	95
43) Tetrachloroethene	4.35	164	117011	56.88	ug/l	100
44) 2-Hexanone	4.83	43	197011	60.25	ug/l	98
45) Dibromochloromethane	4.56	129	112744	58.57	ug/l	98

(#) = qualifier out of range (m) = manual integration

Data File : H:\V2013\CHEM03\09SEP\092613\0926L18.D Vial: 18
Acq On : 26 Sep 2013 6:58 pm Operator:
Sample : SPIKE NJ TCL-50/200/500/2000PPB STD Inst : Instrumen
Misc : BF45202 MS Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 05:55:30 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

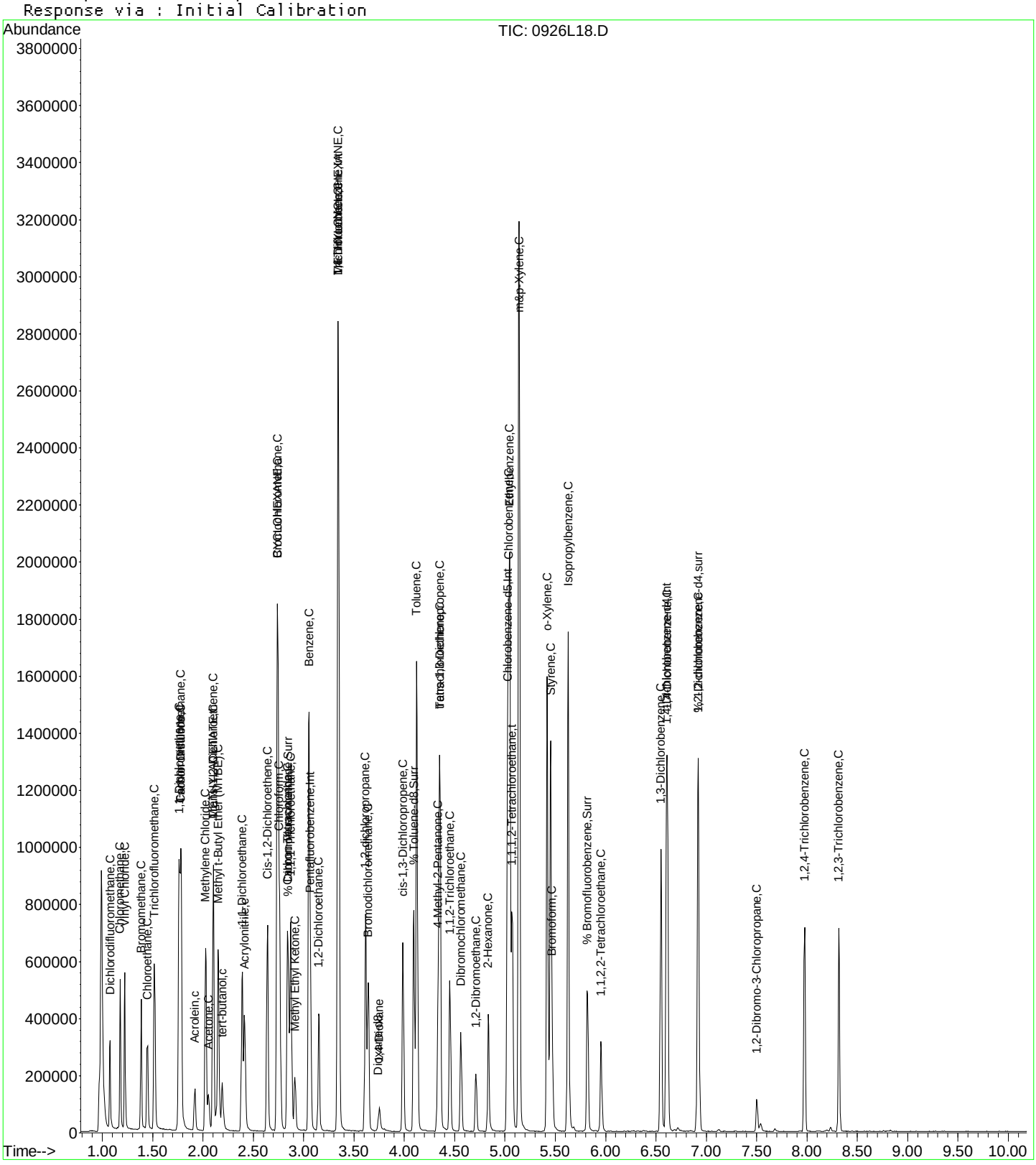
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Chlorobenzene	5.03	112	403703	56.37	ug/l	99
47) 1,1,1,2-Tetrachloroethane	5.07	131	135053	59.38	ug/l	99
48) Ethylbenzene	5.05	91	822924	57.18	ug/l	99
49) m&p-Xylene	5.14	106	592085	113.76	ug/l	99
50) o-Xylene	5.42	106	284505	58.52	ug/l	99
51) Styrene	5.46	104	408960	56.75	ug/l	98
52) Bromoform	5.47	173	57776	60.28	ug/l	98
56) Isopropylbenzene	5.63	105	774188	57.14	ug/l	100
57) 1,1,2,2-Tetrachloroethane	5.95	83	115015	54.53	ug/l	99
58) 1,3-Dichlorobenzene	6.55	146	262608	54.28	ug/l	99
59) 1,4-Dichlorobenzene	6.61	146	259850	52.82	ug/l	100
60) 1,2-Dichlorobenzene	6.92	146	244768	54.05	ug/l	98
61) 1,2-Dibromo-3-Chloropropan	7.50	75	18512	56.91	ug/l	95
62) 1,2,4-Trichlorobenzene	7.98	180	128311	50.16	ug/l	98
63) 1,2,3-Trichlorobenzene	8.32	180	126842	52.42	ug/l	99
65) 1,4-Dioxane	3.75	58	34431	2596.55	ug/l	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L18.D Vial: 18
Acq On : 26 Sep 2013 6:58 pm Operator:
Sample : SPIKE NJ TCL-50/200/500/2000PPB STD Inst : Instrumen
Misc : BF45202 MS Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 5:55 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration



1

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

BF45202 MSD

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: SPIKED NJ TCL-50/200/500/2

Sample wt/vol: 5 (g/mL) g Lab File ID: 0926L19.D

Level: (low/med/meth): Low Date Received: 09/26/13

% Moisture: 100 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	55		#VALUE!	#VALUE!
74-87-3	Chloromethane	53		#VALUE!	#VALUE!
75-01-4	Vinyl Chloride	54		#VALUE!	#VALUE!
74-83-9	Bromomethane	55		#VALUE!	#VALUE!
75-00-3	Chloroethane	55		#VALUE!	#VALUE!
75-69-4	Trichlorofluoromethane	55		#VALUE!	#VALUE!
75-35-4	1,1-Dichloroethene	55		#VALUE!	#VALUE!
76-13-1	Trichlorotrifluoroethane	56		#VALUE!	#VALUE!
67-64-1	Acetone	45		#VALUE!	#VALUE!
75-15-0	Carbon Disulfide	57		#VALUE!	#VALUE!
75-09-2	Methylene Chloride	49		#VALUE!	#VALUE!
79-20-9	METHYLACETATE	51		#VALUE!	#VALUE!
156-60-5	Trans-1,2-Dichloroethene	49		#VALUE!	#VALUE!
75-34-3	1,1-Dichloroethane	52		#VALUE!	#VALUE!
156-59-2	Cis-1,2-Dichloroethene	51		#VALUE!	#VALUE!
78-93-3	Methyl Ethyl Ketone	56		#VALUE!	#VALUE!
74-97-5	Bromochloromethane	52		#VALUE!	#VALUE!
110-82-7	CYCLOHEXANE	52		#VALUE!	#VALUE!
67-66-3	Chloroform	52		#VALUE!	#VALUE!
71-55-6	1,1,1-Trichloroethane	52		#VALUE!	#VALUE!
1634-04-4	Methyl t-Butyl Ether (MTBE)	51		#VALUE!	#VALUE!
56-23-5	Carbon Tetrachloride	53		#VALUE!	#VALUE!
71-43-2	Benzene	51		#VALUE!	#VALUE!
107-06-2	1,2-Dichloroethane	54		#VALUE!	#VALUE!
108-87-2	METHYLCYCLOHEXANE	52		#VALUE!	#VALUE!
79-01-6	Trichloroethene	54		#VALUE!	#VALUE!
78-87-5	1,2-dichloropropane	52		#VALUE!	#VALUE!
75-27-4	Bromodichloromethane	53		#VALUE!	#VALUE!
10061-01-5	cis-1,3-Dichloropropene	52		#VALUE!	#VALUE!
108-10-1	4-Methyl-2-Pentanone	52		#VALUE!	#VALUE!
108-88-3	Toluene	51		#VALUE!	#VALUE!
10061-02-6	trans-1,3-Dichloropropene	53		#VALUE!	#VALUE!
79-00-5	1,1,2-Trichloroethane	52		#VALUE!	#VALUE!
106-93-4	1,2-Dibromoethane	52		#VALUE!	#VALUE!
127-18-4	Tetrachloroethene	50		#VALUE!	#VALUE!
591-78-6	2-Hexanone	51		#VALUE!	#VALUE!

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

BF45202 MSD

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: SPIKED NJ TCL-50/200/500/2

Sample wt/vol: 5 (g/mL) g Lab File ID: 0926L19.D

Level: (low/med/meth): Low Date Received: 09/26/13

% Moisture: 100 Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	52		#VALUE!	#VALUE!
108-90-7	Chlorobenzene	50		#VALUE!	#VALUE!
100-41-4	Ethylbenzene	51		#VALUE!	#VALUE!
179601-23-1	m&p-Xylene	99		#VALUE!	#VALUE!
95-47-6	o-Xylene	52		#VALUE!	#VALUE!
100-42-5	Styrene	51		#VALUE!	#VALUE!
75-25-2	Bromoform	53		#VALUE!	#VALUE!
98-82-8	Isopropylbenzene	49		#VALUE!	#VALUE!
79-34-5	1,1,2,2-Tetrachloroethane	48		#VALUE!	#VALUE!
541-73-1	1,3-Dichlorobenzene	48		#VALUE!	#VALUE!
106-46-7	1,4-Dichlorobenzene	47		#VALUE!	#VALUE!
95-50-1	1,2-Dichlorobenzene	49		#VALUE!	#VALUE!
96-12-8	1,2-Dibromo-3-Chloropropane	52		#VALUE!	#VALUE!
120-82-1	1,2,4-Trichlorobenzene	47		#VALUE!	#VALUE!
87-61-6	1,2,3-Trichlorobenzene	50		#VALUE!	#VALUE!
123-91-1	1,4-Dioxane	2300		#VALUE!	#VALUE!

FORM I VOA

Quantitation Report (QT Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L19.D Vial: 19
Acq On : 26 Sep 2013 7:20 pm Operator:
Sample : SPIKED NJ TCL-50/200/500/2000PPB STD Inst : Instrumen
Misc : BF45202 MSD Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 05:55:31 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	156397	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	286852	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	266474	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.60	152	145399	50.00	ug/l	0.00
64) Dioxane-d8	3.73	96	5440	500.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.86	192	12902	50.98	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 101.96%			
37) % Toluene-d8	4.10	98	368883	50.13	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.26%			
53) % Bromofluorobenzene	5.82	95	144737	51.02	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 102.04%			
55) % 1,2-dichlorobenzene-d4	6.91	152	125895	49.53	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.06%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.08	85	148108	54.97	ug/l	100
3) Chloromethane	1.18	50	284713	52.78	ug/l	99
4) Vinyl Chloride	1.22	62	258459	53.50	ug/l	100
5) Bromomethane	1.39	94	129975	55.45	ug/l	99
6) Chloroethane	1.44	64	145348	55.10	ug/l	100
7) Trichlorofluoromethane	1.52	101	260952	55.03	ug/l	99
8) 1,1-Dichloroethene	1.76	96	153748	55.13	ug/l	93
9) Trichlorotrifluoroethane	1.77	101	153636	56.03	ug/l	98
10) Acrolein	1.92	56	87734	271.97	ug/l	98
11) Acetone	2.06	43	81040	45.37	ug/l	99
12) Carbon Disulfide	1.78	76	556585	57.35	ug/l	99
13) Methylene Chloride	2.02	84	134530	48.62	ug/l	98
14) METHYLACETATE	2.10	43	75188	51.35	ug/l	99
15) Trans-1,2-Dichloroethene	2.10	96	153657	49.20	ug/l	98
16) Acrylonitrile	2.41	53	191960	266.16	ug/l	98
17) tert-butanol	2.19	59	85599	556.84	ug/l	93
18) 1,1-Dichloroethane	2.39	63	343229	51.59	ug/l	100
19) Cis-1,2-Dichloroethene	2.64	96	170039	51.09	ug/l	99
20) Methyl Ethyl Ketone	2.91	43	149051	56.14	ug/l	99
21) Bromochloromethane	2.74	128	62348	51.62	ug/l	98
22) CYCLOHEXANE	2.74	56	470304	51.58	ug/l	99
23) Chloroform	2.76	83	304273	51.97	ug/l	98
25) 1,1,1-Trichloroethane	2.87	97	268191	51.80	ug/l	99
27) Methyl t-Butyl Ether (MTBE	2.15	73	282048	50.55	ug/l	99
28) Carbon Tetrachloride	2.84	117	198813	52.94	ug/l	97
29) Benzene	3.06	78	711984	51.34	ug/l	100
30) 1,2-Dichloroethane	3.15	62	203286	53.72	ug/l	100
31) METHYLCYCLOHEXANE	3.34	55	366419	51.79	ug/l	98
32) Trichloroethene	3.34	130	173269	53.61	ug/l	98
33) 1,2-dichloropropane	3.61	63	181924	51.62	ug/l	100
34) Bromodichloromethane	3.64	83	210856	53.45	ug/l	100
35) cis-1,3-Dichloropropene	3.99	75	221100	52.16	ug/l	99
36) 4-Methyl-2-Pentanone	4.33	43	193275	51.95	ug/l	99
38) Toluene	4.12	91	731436	51.00	ug/l	100
39) trans-1,3-Dichloropropene	4.36	75	184010	53.43	ug/l	100
40) 1,1,2-Trichloroethane	4.45	97	106644	52.41	ug/l	98
41) 1,2-Dibromoethane	4.71	107	94142	52.10	ug/l	99
43) Tetrachloroethene	4.35	164	119286	49.84	ug/l	99
44) 2-Hexanone	4.83	43	195802	51.46	ug/l	96
45) Dibromochloromethane	4.56	129	115763	51.68	ug/l	98

(#) = qualifier out of range (m) = manual integration

Data File : H:\V2013\CHEM03\09SEP\092613\0926L19.D Vial: 19
Acq On : 26 Sep 2013 7:20 pm Operator:
Sample : SPIKED NJ TCL-50/200/500/2000PPB STD Inst : Instrumen
Misc : BF45202 MSD Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 05:55:31 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

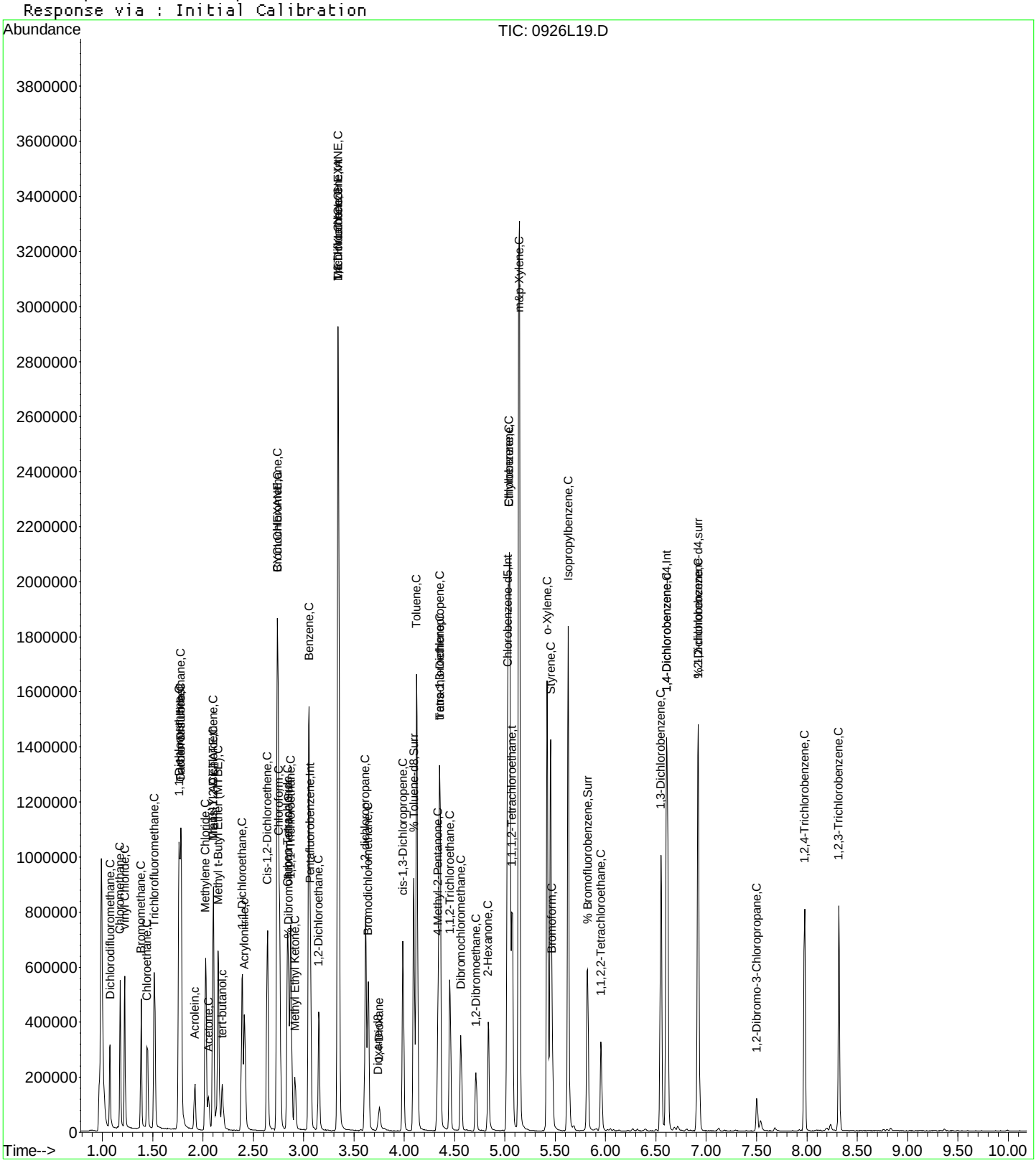
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Chlorobenzene	5.04	112	414511	49.74	ug/l	98
47) 1,1,1,2-Tetrachloroethane	5.07	131	139331	52.65	ug/l	99
48) Ethylbenzene	5.05	91	846275	50.54	ug/l	99
49) m&p-Xylene	5.14	106	599756	99.04	ug/l	98
50) o-Xylene	5.42	106	291721	51.57	ug/l	99
51) Styrene	5.46	104	429372	51.21	ug/l	98
52) Bromoform	5.47	173	59482	53.34	ug/l	99
56) Isopropylbenzene	5.63	105	791271	49.33	ug/l	100
57) 1,1,2,2-Tetrachloroethane	5.95	83	118721	47.54	ug/l	100
58) 1,3-Dichlorobenzene	6.55	146	276601	48.29	ug/l	99
59) 1,4-Dichlorobenzene	6.61	146	275400	47.28	ug/l	99
60) 1,2-Dichlorobenzene	6.92	146	261339	48.74	ug/l	99
61) 1,2-Dibromo-3-Chloropropan	7.50	75	20201	52.45	ug/l	98
62) 1,2,4-Trichlorobenzene	7.98	180	143102	47.25	ug/l	99
63) 1,2,3-Trichlorobenzene	8.32	180	141888	49.53	ug/l	99
65) 1,4-Dioxane	3.75	58	37028	2287.30	ug/l	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L19.D Vial: 19
Acq On : 26 Sep 2013 7:20 pm Operator:
Sample : SPIKED NJ TCL-50/200/500/2000PPB STD Inst : Instrumen
Misc : BF45202 MSD Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 5:55 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration



CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

BF45202 BLANK

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BLANK sand 5g

Sample wt/vol: 5 (g/mL) g Lab File ID: 0926L09A.D

Level: (low/med/meth): Low Date Received: 09/26/13

% Moisture: n.a. Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
75-71-8	Dichlorodifluoromethane	5.0	U	1.3	5.0
74-87-3	Chloromethane	5.0	U	2.6	5.0
75-01-4	Vinyl Chloride	5.0	U	1.6	5.0
74-83-9	Bromomethane	5.0	U	3.9	5.0
75-00-3	Chloroethane	5.0	U	1.2	5.0
75-69-4	Trichlorofluoromethane	5.0	U	1.1	5.0
75-35-4	1,1-Dichloroethene	5.0	U	1.1	5.0
76-13-1	Trichlorotrifluoroethane	5.0	U	0.78	5.0
67-64-1	Acetone	50	U	5.0	50
75-15-0	Carbon Disulfide	5.0	U	0.81	5.0
75-09-2	Methylene Chloride	1.5	JBS	0.82	5.0
79-20-9	METHYLACETATE	5.0	U	5.0	5.0
156-60-5	Trans-1,2-Dichloroethene	5.0	U	1.0	5.0
75-34-3	1,1-Dichloroethane	5.0	U	0.99	5.0
156-59-2	Cis-1,2-Dichloroethene	5.0	U	1.1	5.0
78-93-3	Methyl Ethyl Ketone	30	U	4.3	30
74-97-5	Bromochloromethane	5.0	U	0.73	5.0
110-82-7	CYCLOHEXANE	5.0	U	5.0	5.0
67-66-3	Chloroform	5.0	U	0.91	5.0
71-55-6	1,1,1-Trichloroethane	5.0	U	1.0	5.0
1634-04-4	Methyl t-Butyl Ether (MTBE)	10	U	1.4	10
56-23-5	Carbon Tetrachloride	5.0	U	0.58	5.0
71-43-2	Benzene	5.0	U	0.99	5.0
107-06-2	1,2-Dichloroethane	5.0	U	0.44	5.0
108-87-2	METHYLCYCLOHEXANE	5.0	U	5.0	5.0
79-01-6	Trichloroethene	5.0	U	1.1	5.0
78-87-5	1,2-dichloropropane	5.0	U	0.71	5.0
75-27-4	Bromodichloromethane	5.0	U	0.62	5.0
10061-01-5	cis-1,3-Dichloropropene	5.0	U	0.54	5.0
108-10-1	4-Methyl-2-Pentanone	25	U	1.2	25
108-88-3	Toluene	5.0	U	0.79	5.0
10061-02-6	trans-1,3-Dichloropropene	5.0	U	1.0	5.0
79-00-5	1,1,2-Trichloroethane	5.0	U	0.49	5.0
106-93-4	1,2-Dibromoethane	5.0	U	1.3	5.0
127-18-4	Tetrachloroethene	5.0	U	1.1	5.0
591-78-6	2-Hexanone	25	U	2.3	25

FORM I VOA

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

BF45202 BLANK

Client: GALLI-ENG Lab: Phoenix Env. Labs

SDG No.: GBF45197 Lab Sample ID: BLANK sand 5g

Sample wt/vol: 5 (g/mL) g Lab File ID: 0926L09A.D

Level: (low/med/meth): Low Date Received: 09/26/13

% Moisture: n.a. Date Analyzed: 09/26/13

Instrument: CHEM03 Column: rtx-vms Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: 5000 (uL)

Matrix: (soil/water) SOIL CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	CONC.	Q	MDL	PQL
124-48-1	Dibromochloromethane	5.0	U	0.56	5.0
108-90-7	Chlorobenzene	5.0	U	0.74	5.0
100-41-4	Ethylbenzene	5.0	U	0.91	5.0
179601-23-1	m&p-Xylene	5.0	U	2.0	5.0
95-47-6	o-Xylene	5.0	U	1.9	5.0
100-42-5	Styrene	5.0	U	1.4	5.0
75-25-2	Bromoform	5.0	U	0.70	5.0
98-82-8	Isopropylbenzene	5.0	U	0.96	5.0
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	0.71	5.0
541-73-1	1,3-Dichlorobenzene	5.0	U	0.74	5.0
106-46-7	1,4-Dichlorobenzene	5.0	U	0.79	5.0
95-50-1	1,2-Dichlorobenzene	5.0	U	0.55	5.0
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	1.3	5.0
120-82-1	1,2,4-Trichlorobenzene	5.0	U	0.59	5.0
87-61-6	1,2,3-Trichlorobenzene	5.0	U	0.67	5.0
123-91-1	1,4-Dioxane	100	U	100	100

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID: BF45202 BLANK

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Matrix:(soil/water) SOIL Lab Sample ID: BF45202 BLANK

Sample wt/vol: 5 (g/mL) g Lab File ID: 0926L09A.D

Level: (low/med) Low Date Received: 09/26/13

% Moisture: not dec. 100 Date Analyzed: 09/26/13

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Soil Extract Volume: 5000 (uL) Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

Quantitation Report (QT Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L09A.D Vial: 10
Acq On : 26 Sep 2013 3:59 pm Operator:
Sample : BLANK sand 5g Inst : Instrumen
Misc : BF45202 BLANK Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 05:55:22 2013 Quant Results File: TCLSNJD_0924.RES

Quant Method : H:\CHEM03\M...\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration
DataAcq Meth : 524_A03

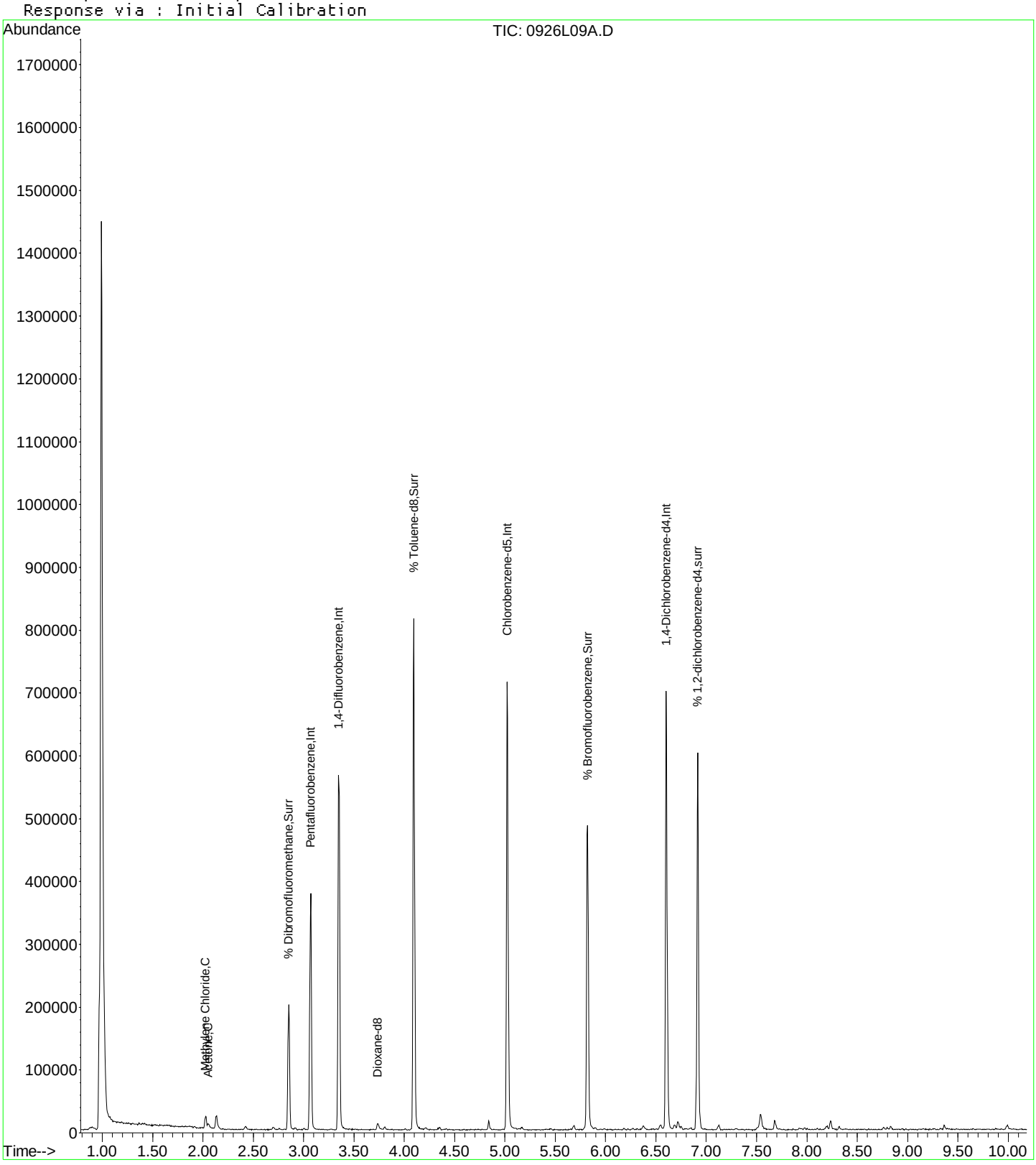
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	3.07	168	138186	50.00	ug/l	0.00
26) 1,4-Difluorobenzene	3.35	114	258717	50.00	ug/l	0.00
42) Chlorobenzene-d5	5.02	117	248016	50.00	ug/l	0.00
54) 1,4-Dichlorobenzene-d4	6.60	152	120944	50.00	ug/l	0.00
64) Dioxane-d8	3.74	96	4893	500.00	ug/l	0.00
System Monitoring Compounds						
24) % Dibromofluoromethane	2.85	192	11592	51.84	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 103.68%			
37) % Toluene-d8	4.10	98	325698	49.08	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.16%			
53) % Bromofluorobenzene	5.82	95	121260	45.92	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 91.84%			
55) % 1,2-dichlorobenzene-d4	6.91	152	106738	50.49	ug/l	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.98%			
Target Compounds						Qvalue
~~11) Acetone~~	~~2.06~~	~~43~~	~~5039~~	~~3.19~~	~~ug/l~~	~~96~~
13) Methylene Chloride	2.03	84	3592	1.47	ug/l #	75

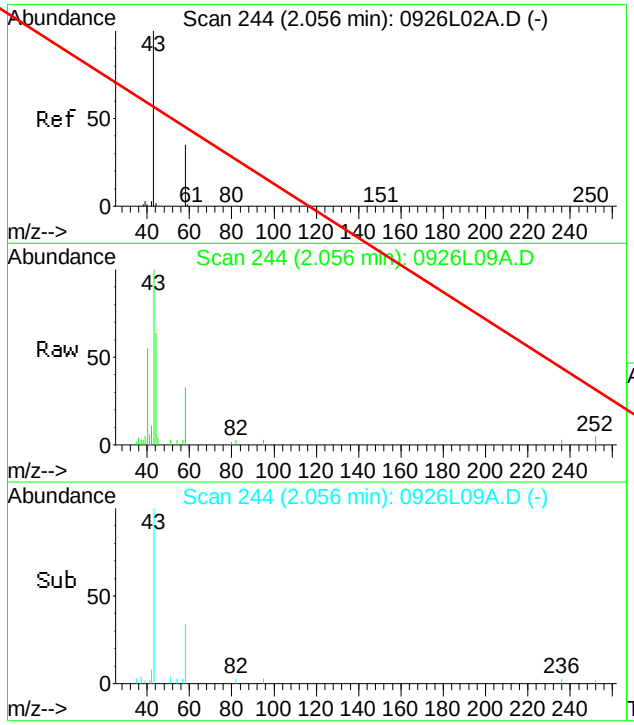
(#) = qualifier out of range (m) = manual integration
0926L09A.D TCLSNJD_0924.M Fri Oct 04 08:31:45 2013 JC 10/04/13 Page 1

Quantitation Report (QT Reviewed)

Data File : H:\V2013\CHEM03\09SEP\092613\0926L09A.D Vial: 10
Acq On : 26 Sep 2013 3:59 pm Operator:
Sample : BLANK sand 5g Inst : Instrumen
Misc : BF45202 BLANK Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 5:57 2013 Quant Results File: TCLSNJD_0924.RES

Method : H:\CHEM03\METHODS03\2013\TCLSNJD_0924.M (RTE Integrator)
Title : VOA Standards for 5 point calibration
Last Update : Thu Sep 26 13:56:00 2013
Response via : Initial Calibration

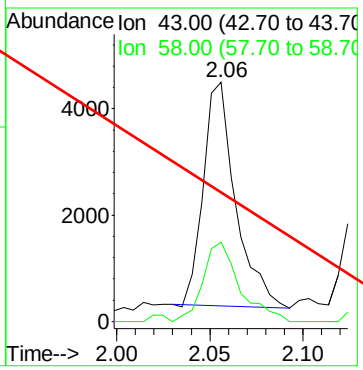


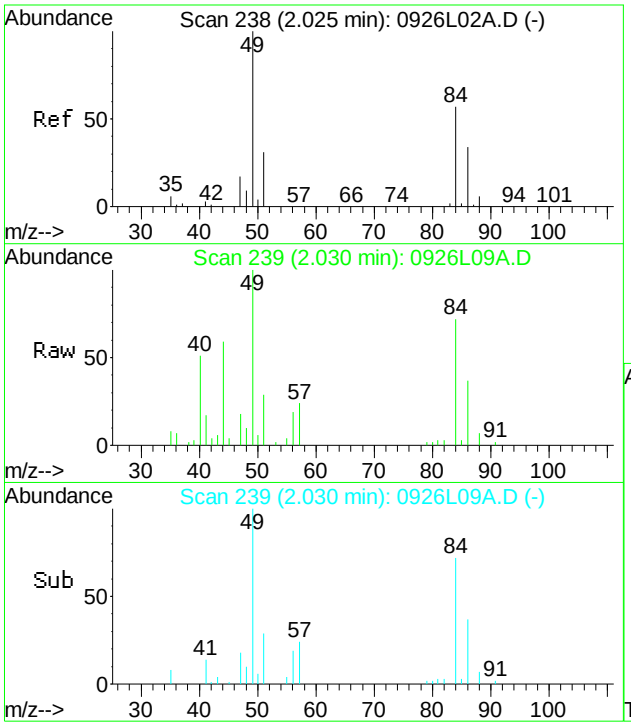


#11
Acetone
Concen: 3.19 ug/l
RT: 2.06 min Scan# 244
Delta R.T. 0.00 min
Lab File: 0926L09A.D
Acq: 26 Sep 2013 3:59 pm

Tgt Ion: 43 Resp: 5039

Ion	Ratio	Lower	Upper
43	100		
58	40.4	30.4	45.6

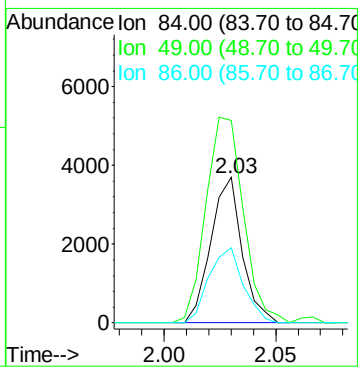




#13
Methylene Chloride
Concen: 1.47 ug/l
RT: 2.03 min Scan# 239
Delta R.T. 0.01 min
Lab File: 0926L09A.D
Acq: 26 Sep 2013 3:59 pm

Tgt Ion: 84 Resp: 3592

Ion	Ratio	Lower	Upper
84	100		
49	139.2	161.1	201.1#
86	51.9	41.4	81.4



Injection Log

Data Directory: H:\V2013\CHEM03\09SEP\092413\

Line	Vial	FileName	SampleName	MiscInfo	Injection Time
1)	1	0924L01.D	BLANK	CLEAN-UP	24 Sep 2013 6:48 am
2)	8	0924L02.D	BLANK	CLEAN-UP	24 Sep 2013 7:10 am
3)	9	0924L03.D	TCL-50 PPB STD		24 Sep 2013 8:38 am
4)	10	0924L04.D	TCL-50 PPB STD		24 Sep 2013 9:08 am
5)	11	0924L05.D	TCL LCS-50 PPB STD		24 Sep 2013 9:41 am
6)	12	0924L06.D	TCL-LCSD 50 PPB STD		24 Sep 2013 10:03 am
7)	13	0924L07.D	BLANK		24 Sep 2013 12:24 pm
8)	14	0924L08.D	BLANK	TUNE	24 Sep 2013 12:46 pm
9)	15	0924L09.D	TCL 1-PPB	26-A	24 Sep 2013 1:08 pm
10)	16	0924L10.D	TCL 5-PPB	ICAL 5.0	24 Sep 2013 1:30 pm
11)	17	0924L11.D	TCL 10-PPB	ICAL 10	24 Sep 2013 1:52 pm
12)	18	0924L12.D	TCL 20-PPB	ICAL 20	24 Sep 2013 2:14 pm
13)	19	0924L13.D	TCL 50-PPB	ICAL 50	24 Sep 2013 2:37 pm
14)	20	0924L14.D	TCL 100-PPB	ICAL 100	24 Sep 2013 2:59 pm
15)	21	0924L15.D	TCL 150-PPB	ICAL 150	24 Sep 2013 3:21 pm
16)	22	0924L16.D	BLANK		24 Sep 2013 3:43 pm
17)	23	0924L17.D	BLANK		24 Sep 2013 4:05 pm
18)	24	0924L18A.D	TCL-50		24 Sep 2013 4:28 pm
19)	24	0924L18.D	TCL LCS 50-PPB		24 Sep 2013 4:50 pm
20)	25	0924L19.D	TCL LCS 50-PPB		24 Sep 2013 5:12 pm
21)	26	0924L20.D	KETONE-50 PPB STD.		24 Sep 2013 5:48 pm
22)	27	0924L21.D	KETONE-50 PPB STD.		24 Sep 2013 6:10 pm
23)	28	0924L22.D	V.A-50 PPB STD.		24 Sep 2013 6:32 pm
24)	29	0924L23.D	BLANK 5ML 1:50 MeOH		24 Sep 2013 6:54 pm
25)	30	0924L24.D	BLANK 5G SAND		24 Sep 2013 7:17 pm
26)	25	0924L25.D	BF43116 #2 51.24X 6.05g	$8260_TCL_SM/LIB ($D	24 Sep 2013 7:39 pm
27)	26	0924L26.D	BF43117 #1 51.16X 6.45g	$8260_TCL_SM/LIB ($D	24 Sep 2013 8:01 pm
28)	27	0924L27.D	BLANK	Rinse Blank	24 Sep 2013 8:23 pm
29)	28	0924L28.D	BF43374 #3 2.25X 2.22g	$8260_TCL_SM/LIB (72	24 Sep 2013 8:45 pm
30)	29	0924L29.D	BLANK	Rinse Blank	24 Sep 2013 9:07 pm
31)	30	0924L30.D	BF44251 #3 0.98X 5.12g	$8260_TCL_SM/LIB (72	24 Sep 2013 9:29 pm
32)	31	0924L30A.D	BF44252 #2 50X 10g PHL	$8260_TCL_SM/LIB (72	24 Sep 2013 9:51 pm
33)	31	0924L31.D	BF44252 #1 1.1X 4.56g E	$8260_TCL_SM/LIB (72	24 Sep 2013 10:17 pm
34)	32	0924L32.D	BF44253 #1 1.15X 4.36g	$8260_TCL_SM/LIB (72	24 Sep 2013 10:39 pm
35)	33	0924L33.D	BF44254 #1 0.98X 5.10g	$8260_TCL_SM/LIB (72	24 Sep 2013 11:01 pm
36)	34	0924L34.D	BF43114 #5 1.81X 2.77g	$8260_TCL_SM/LIB 09/	24 Sep 2013 11:23 pm
37)	35	0924L35.D	BLANK	Rinse Blank	24 Sep 2013 11:45 pm
38)	36	0924L36.D	BF43115 #4 1.48X 3.37g	$8260_TCL_SM/LIB 09/	25 Sep 2013 12:07 am
39)	37	0924L37.D	BLANK	Rinse Blank	25 Sep 2013 12:29 am
40)	38	0924L38.D	BF44688 #1 1.16X 4.32G E	$DPVOA_NJTCLS	25 Sep 2013 12:51 am
41)	39	0924L39.D	BF44690 #1 0.95X 5.25G E	$DPVOA_NJTCLS	25 Sep 2013 1:13 am
42)	40	0924L40.D	BF43117 #5 51.16X 6.45g	$8260_TCL_SM/LIB 09/	25 Sep 2013 1:35 am
43)	41	0924L41.D	BF43117 #4 1.19X 4.19g	$8260_TCL_SM/LIB 09/	25 Sep 2013 1:57 am
44)	42	0924L42.D	BLANK	Rinse Blank	25 Sep 2013 2:19 am
45)	43	0924L43.D	BF43116 #5 1.07X 4.69g	$8260_TCL_SM/LIB 09/	25 Sep 2013 2:42 am
46)	44	0924L44.D	BLANK	Rinse Blank	25 Sep 2013 3:03 am
47)	45	0924L45.D	SPIKE NJ TCL-50/200/500/2	50X	25 Sep 2013 3:26 am
48)	48	0924L48.D	SPIKED NJ TCL-50/200/500/	50X	25 Sep 2013 3:48 am
49)	49	0924L49.D	SPIKED NJ TCL-50/200/500/	5G	25 Sep 2013 4:10 am
50)	50	0924L50.D	SPIKED NJ TCL-50/200/500/	5G	25 Sep 2013 4:32 am
51)	51	0924L51.D	NJ TCL-50/200/500/2000PP		25 Sep 2013 4:54 am
52)	52	0924L52.D	BLANK		25 Sep 2013 5:16 am
53)	53	0924L53.D	8260-50PPB STD	24-C MIX	25 Sep 2013 5:38 am
54)	54	0924L54.D	LCS-50 PPB STD	19-A MIX	25 Sep 2013 6:01 am
55)	55	0924L55.D	LCSD-50 PPB STD	19-A MIX	25 Sep 2013 7:01 am
56)	56	0924L56.D	NY OXY-500/20 PPB STD	96-C MIX	25 Sep 2013 7:23 am
57)	57	0924L57.D	LCS NY OXY-500/20 PPB STD	95-D MIX	25 Sep 2013 7:45 am
58)	58	0924L58.D	LCSD NYOXY -500/20 PPB ST	95-D MIX	25 Sep 2013 8:07 am
59)	59	0924L59.D	MEOH 1:50 BLANK		25 Sep 2013 8:29 am
60)	60	0924L60.D	5G SAND BLANK		25 Sep 2013 8:51 am
61)	61	0924L61.D	BF39769 #4 25X 10.00g P	$8260DEP 09/19 HL M	25 Sep 2013 9:13 am
62)	62	0924L62.D	BF39769 #5 2X 2.50g PPL	$8260DEP 09/19 with	25 Sep 2013 9:35 am
63)	63	0924L63.D	BLANK	Rinse Blank	25 Sep 2013 9:57 am
64)	64	0924L64.D	BF44885 #1 50X 10.00g H	$8260-ME (48Hr) 09/2	25 Sep 2013 10:19 am
65)	65	0924L65.D	BF44886 #1 1X 5.00g LL	$8260-MA (48Hr) 09/2	25 Sep 2013 10:41 am
66)	66	0924L66.D	BF44883 #1 2.91X 1.72g	$8260-MA (48Hr) 09/2	25 Sep 2013 11:03 am
67)	67	0924L67.D	BF44884 #1 2.42X 2.07g	$8260-MA (48Hr) 09/2	25 Sep 2013 11:25 am
68)	68	0924L68.D	BF44674 #1 1.02X 4.88g	$8260-MA (72Hr) 09/2	25 Sep 2013 11:47 am

69)	69	0924L69.D	BF44682 #1	1X	5.02g	PPL	$8260-SM (72Hr)	09/2	25 Sep 2013	12:09 pm
70)	70	0924L70.D	BF44684 #1	1.01X	4.96g		$8260-SM (72Hr)	09/2	25 Sep 2013	12:31 pm
71)	71	0924L71.D	BF44686 #1	1X	5.02g	PPL	$8260-SM (72Hr)	09/2	25 Sep 2013	12:53 pm
72)	72	0924L72.D	BF44748 #3	52.19X	9.58g		$8260-MA (72Hr)	09/2	25 Sep 2013	1:15 pm
73)	73	0924L73.D	BF44748 #1	0.88X	5.66g		$8260-MA (72Hr)	09/2	25 Sep 2013	1:37 pm
74)	74	0924L74.D	BF44749 #1	0.9X	5.53g	L	$8260-MA (72Hr)	09/2	25 Sep 2013	1:59 pm
75)	75	0924L75.D	BF44750 #1	1.04X	4.82g		$8260-MA (72Hr)	09/2	25 Sep 2013	2:21 pm
76)	76	0924L76.D	BF44751 #1	0.74X	6.79g		$8260-MA (72Hr)	09/2	25 Sep 2013	2:43 pm
77)	77	0924L77.D	BF44752 #1	1.2X	4.15g	L	$8260-MA (72Hr)	09/2	25 Sep 2013	3:05 pm
78)	78	0924L78.D	BF43764 #2	48.22X	7.88g		$8260-MA (72Hr)	09/2	25 Sep 2013	3:27 pm
79)	79	0924L79.D	BF44698 #1	50X	10.00g	P	$8260-SM (72Hr)	09/2	25 Sep 2013	3:49 pm
80)	80	0924L80.D	BF44675 #1	50.04X	11.19		$8260-MA (72Hr)	09/2	25 Sep 2013	4:12 pm
81)	81	0924L81.D	BLANK						25 Sep 2013	4:54 pm
82)	82	0924L82.D	MS BF44748 50PPB STD		52.19X				25 Sep 2013	5:16 pm
83)	83	0924L83.D	MSD BF44748 50PPB STD		52.19X				25 Sep 2013	5:38 pm
84)	84	0924L84.D	MS BF44748 50PPB STD		5G				25 Sep 2013	6:00 pm
85)	85	0924L85.D	MSD BF44748 50PPB STD		5G				25 Sep 2013	6:22 pm
86)	86	0924L86.D	SPIKE NY OXY-500/20 PPB S						25 Sep 2013	6:44 pm
87)	87	0924L87.D	SPIKED NY OXY-500/20 PPB						25 Sep 2013	7:06 pm

Injection Log

Directory: H:\V2013\CHEM03\09SEP\092513

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0925l01.d	1.	BLANK		25 Sep 2013 19:29
2	2	0925l02.d	1.	NJ TCL-50 PPB STD.	TUNE / CCAL 50	25 Sep 2013 19:51
3	3	0925l03.d	1.	LCS NJ TCL-50 PPB STD.	BF43374 LCS	25 Sep 2013 20:15
4	4	0925l04.d	1.	LCSD NJ TCL-50 PPB STD.	BF43374 LCSD	25 Sep 2013 20:37
5	5	0925l05.d	1.	KETONE-50 PPB STD.		25 Sep 2013 20:59
6	6	0925l06.d	1.	KETONE-50 PPB STD.		25 Sep 2013 21:21
7	7	0925l07.d	1.	BLANK 5ML 1:50 MeOH		25 Sep 2013 21:43
8	8	0925l08.d	1.	BLANK 5G SAND	BF43374 BLANK	25 Sep 2013 22:06
9	9	0925l09.d	1.	BF45217 50X	TRIP BLANK HL	25 Sep 2013 22:28
10	10	0925l10.d	1.	BF45218	TRIP BLANK LL	25 Sep 2013 22:50
11	11	0925l11.d	1.	BF43374 50X	BF43374 QC SAMPLE HL	25 Sep 2013 23:12
12	12	0925l12.d	1.	BF43374	BF43374 QC SAMPLE LL	25 Sep 2013 23:34
13	13	0925l13.d	1.	BF44690 #5 50X 5.50g ENH	$DPVOA_NJTCLSM (7...	25 Sep 2013 23:56
14	14	0925l14.d	1.	BF44690 #4 1X 5.00g ENL	$DPVOA_NJTCLSM (7...	26 Sep 2013 00:18
15	15	0925l15.d	1.	BF45198 #3 0.67X 7.50g LL	$DP8260_TCLSM/LIB...	26 Sep 2013 00:40
16	16	0925l16.d	1.	BF45200 #2 0.93X 5.36g LL	$DP8260_TCLSM/LIB...	26 Sep 2013 01:02
17	17	0925l17.d	1.	BF45202 #2 1.04X 4.80g LL	$DP8260_TCLSM/LIB...	26 Sep 2013 01:25
18	18	0925l18.d	1.	BF45204 #2 0.93X 5.39g LL	$DP8260_TCLSM/LIB...	26 Sep 2013 01:47
19	19	0925l19.d	1.	BF45206	FM-5	26 Sep 2013 02:09
20	20	0925l20.d	1.	BF45208	FM-6	26 Sep 2013 02:31
21	21	0925l21.d	1.	BF45210	FM-7	26 Sep 2013 02:53
22	22	0925l22.d	1.	BF45212	FM-8	26 Sep 2013 03:15
23	23	0925l23.d	1.	BF45214	FM-9	26 Sep 2013 03:37
24	24	0925l24.d	1.	BF45216	DUPLICATE	26 Sep 2013 03:59
25	25	0925l25.d	1.	BF43374 #6 1.01X 4.93g PPL	$8260_TCL_SM/LIB ...	26 Sep 2013 04:21
26	26	0925l26.d	1.	MS BF43374 NJ TCL-50/200/50...	BF43374 MS 50X HL	26 Sep 2013 06:45
27	27	0925l27.d	1.	MSD BF43374 NJ TCL-50/200/5...	BF43374 MSD 50X HL	26 Sep 2013 07:07
28	28	0925l28.d	1.	MS BF43374 NJ TCL-50/200/50...	BF43374 MS LL	26 Sep 2013 07:30
29	29	0925l29.d	1.	MSD BF43374 NJ TCL-50/200/5...	BF43374 MSD LL	26 Sep 2013 07:52
30	30	0925l30.d	1.	NJ TCL-50/200/500/2000PPB STD	CCCAL 50	26 Sep 2013 08:14

Injection Log

Directory: H:\V2013\CHEM03\09SEP\092613

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0926l01.d	1.	BLANK	TUNE	26 Sep 2013 09:12
2	1	0926l01a.d	1.	BLANK		26 Sep 2013 12:51
3	2	0926l02.d	1.	NJ TCL-50 PPB STD.	26-A MIX	26 Sep 2013 09:34
4	3	0926l02a.d	1.	NJ TCL-50 PPB STD.	CCAL 50	26 Sep 2013 13:41
5	2	0926l02b.d	1.	BLANK		26 Sep 2013 13:19
6	3	0926l03.d	1.	LCS NJ TCL-50 PPB STD.	27-D MIX	26 Sep 2013 09:56
7	4	0926l03a.d	1.	LCS NJ TCL-50 PPB STD.	BF45202 LCS	26 Sep 2013 14:08
8	5	0926l04a.d	1.	LCSD NJ TCL-50 PPB STD.	BF45202 LCSD	26 Sep 2013 14:30
9	6	0926l05a.d	1.	KETONE-50 PPB STD.		26 Sep 2013 14:53
10	7	0926l06a.d	1.	KETONE-50 PPB STD.		26 Sep 2013 15:15
11	9	0926l08a.d	1.	BLANK meoh 1:50		26 Sep 2013 15:37
12	10	0926l09a.d	1.	BLANK sand 5g	BF45202 BLANK	26 Sep 2013 15:59
13	11	0926l11.d	1.	BF45198 50X	FM-1	26 Sep 2013 16:21
14	12	0926l12.d	1.	BF45200 50X	FM-2 HL	26 Sep 2013 16:44
15	13	0926l13.d	1.	BF45200	FM-2 LL	26 Sep 2013 17:06
16	14	0926l14.d	1.	BF45202 #4 52.97X 9.44g HL	$DIOX_SM/LIB 09/3...	26 Sep 2013 17:28
17	15	0926l15.d	1.	BF45202	FM-3	26 Sep 2013 17:50
18	16	0926l16.d	1.	BF45204 #4 51.6X 12.21g HL	$DP8260_TCLSM/LIB...	26 Sep 2013 18:12
19	17	0926l17.d	1.	BF45204	FM-4	26 Sep 2013 18:34
20	18	0926l18.d	1.	SPIKE NJ TCL-50/200/500/200...	BF45202 MS	26 Sep 2013 18:58
21	19	0926l19.d	1.	SPIKED NJ TCL-50/200/500/20...	BF45202 MSD	26 Sep 2013 19:20
22	20	0926l20.d	1.	NJ TCL-50/200/500/2000PPB STD	CCCAL 50	26 Sep 2013 19:42
23	21	0926l21.d	1.	BLANK		26 Sep 2013 20:04
24	22	0926l22.d	1.	8260-50 PPB STD.	24-D MIX	26 Sep 2013 20:27
25	23	0926l23.d	1.	8260-50 PPB STD.	24-D MIX	26 Sep 2013 20:55
26	24	0926l24.d	1.	BLANK		26 Sep 2013 21:21
27	25	0926l25.d	1.	BLANK		26 Sep 2013 21:43
28	26	0926l26.d	1.	8260-1 PPB STD	28-E MIX	26 Sep 2013 22:27
29	27	0926l27.d	1.	8260-5 PPB STD	28-E MIX	26 Sep 2013 22:50
30	28	0926l28.d	1.	8260-10 PPB STD	28-E MIX	26 Sep 2013 23:12
31	29	0926l29.d	1.	8260-20 PPB STD	28-E MIX	26 Sep 2013 23:34
32	30	0926l30.d	1.	8260-50 PPB STD	28-E MIX	26 Sep 2013 23:56
33	31	0926l31.d	1.	8260-100 PPB STD	28-E MIX	27 Sep 2013 00:18
34	32	0926l32.d	1.	8260-150 PPB STD	28-E MIX	27 Sep 2013 00:40
35	33	0926l33.d	1.	BLANK		27 Sep 2013 01:02
36	34	0926l34.d	1.	BLANK		27 Sep 2013 01:24
37	35	0926l35.d	1.	8260-50 PPB STD	28-E MIX	27 Sep 2013 01:47
38	36	0926l36.d	1.	LCS-50 PPB STD	23-C MIX	27 Sep 2013 02:09
39	37	0926l37.d	1.	LCSD-50 PPB STD	23-C MIX	27 Sep 2013 02:31
40	38	0926l38.d	1.	BLANK		27 Sep 2013 02:53
41	39	0926l39.d	1.	MEOH 1:50 BLANK		27 Sep 2013 03:15
42	40	0926l40.d	1.	5G SAND BLANK		27 Sep 2013 03:37
43	41	0926l41.d	1.	BF45962 #1 0.98X 5.10g PPL	$8260-SM (24Hr) 0...	27 Sep 2013 03:59
44	42	0926l42.d	1.	BLANK	Rinse Blank	27 Sep 2013 04:21
45	43	0926l43.d	1.	BF45589 #1 0.98X 5.08g PPL	$8260-SM 10/01 A...	27 Sep 2013 04:43
46	44	0926l44.d	1.	BF44674 #2 49.61X 9.07g HL	$8260-MA (72Hr) 0...	27 Sep 2013 05:06
47	45	0926l45.d	1.	BF44675 #3 50.04X 11.19g HL	$8260-MA (72Hr) 0...	27 Sep 2013 05:28
48	46	0926l46.d	1.	BF44698 #3 25X 10.00g PPH	$8260-SM (72Hr) 0...	27 Sep 2013 05:50
49	47	0926l47.d	1.	BF44752 #4 529.69X 8.59g HL	$8260-MA (72Hr) 0...	27 Sep 2013 06:12
50	48	0926l48.d	1.	BF45789 #1 50X 4.40g ENH	$8260-MA (48Hr) 0...	27 Sep 2013 06:34
51	49	0926l49.d	1.	BF45795 #1 50X 6.40g ENH	$8260-MA (48Hr) 0...	27 Sep 2013 06:56
52	50	0926l50.d	1.	BLANK	Rinse Blank	27 Sep 2013 07:18
53	51	0926l51.d	1.	BF44977 #1 50X 10.00g HL	$8260-ME 09/27 T...	27 Sep 2013 07:40
54	52	0926l52.d	1.	BF44976 #1 1X 5.00g LL	$8260-MA 09/27 T...	27 Sep 2013 08:02
55	53	0926l53.d	1.	BF45921 #1 1.41X 3.54g LL	$8260-MA (72Hr) 1...	27 Sep 2013 08:24

Injection Log

Directory: H:\V2013\CHEM03\09SEP\092613

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
56	54	0926l54.d	1.	BF45932 #1 1.33X 3.75g LL	$8260-MA (72Hr) 1...	27 Sep 2013 08:46
57	55	0926l55.d	1.	BF45971 #1 0.96X 5.19g LL	$8260-MA (72Hr) 1...	27 Sep 2013 09:08
58	56	0926l56.d	1.	BF46221 6.35G	24HR FOR SARAH	27 Sep 2013 09:31
59	57	0926l57.d	1.	BF44840 #3 0.99X 5.03g PPL	$8260-MA 09/27	27 Sep 2013 09:53
60	58	0926l58.d	1.	BF45962 50X	POOR PURGE	27 Sep 2013 10:16
61	59	0926l59.d	1.	BF45962 5G	POOR PURGE	27 Sep 2013 10:38
62	60	0926l60.d	1.	BF44752 100X	60uL RAN 500X	27 Sep 2013 11:00
63	61	0926l61.d	1.	BF44974 #2 50.15X 6.58g HL	$8260-MA 09/27	27 Sep 2013 11:22
64	62	0926l62.d	1.	BF44974 #1 1.49X 3.36g LL	$8260-MA 09/27	27 Sep 2013 11:44
65	63	0926l63.d	1.	BF44698 5G	RAN 25X	27 Sep 2013 12:06
66	64	0926l64.d	1.	MS BF44974 50PPB STD	50X 28-E MIX	27 Sep 2013 12:29
67	65	0926l65.d	1.	MSD BF44974 50PPB STD	50X 28-E MIX	27 Sep 2013 12:51
68	66	0926l66.d	1.	MS BF44974 50PPB STD	5G 28-E MIX	27 Sep 2013 13:13
69	67	0926l67.d	1.	MSD BF44974 50PPB STD	5G 28-E MIX	27 Sep 2013 13:35
70	68	0926l68.d	1.	BLANK		27 Sep 2013 13:57
71	70	0926l69.d	1.	46221 51.94X		27 Sep 2013 14:19
72	71	0926l70.d	1.	E.T.T.M-1 PPB STD	29-D MIX	27 Sep 2013 14:41
73	72	0926l71.d	1.	E.T.T.M-5 PPB STD	29-D MIX	27 Sep 2013 15:03
74	73	0926l72.d	1.	E.T.T.M-10 PPB STD	29-D MIX	27 Sep 2013 15:25
75	74	0926l73.d	1.	E.T.T.M-20 PPB STD	29-D MIX	27 Sep 2013 15:47
76	75	0926l74.d	1.	E.T.T.M-50 PPB STD	29-D MIX	27 Sep 2013 16:09
77	76	0926l75.d	1.	E.T.T.M-100 PPB STD	29-D MIX	27 Sep 2013 16:31
78	77	0926l76.d	1.	E.T.T.M-150 PPB STD	29-D MIX	27 Sep 2013 16:53

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE

Client: GALLI ENGEERING
Project: 48 SEWELL ST
Laboratory Project: GBF45197

Metals Portion

Inorganic Data Flags

- C (Concentration) Qualifiers:
  - B – The reported value was obtained from a reading that was less than the Reporting Level (RL) but greater than or equal to the Instrument Detection Limit (IDL)
  - U – The analyte was analyzed for but not detected at or above the IDL

- Q Qualifiers:
  - E - The reported value is estimated because of the presence of interference. An explanatory note shall be included in the project narrative (if the problem applies to all samples) or on the specific FORM I-IN (if it is an isolated problem).
  - M- Duplicate injection precision not met.
  - N - Spiked sample recovery not within control limits.
  - S - The reported value was determined by the Method of Standard Additions (MSA).
  - W - Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.
  - * - Duplicate analysis not within control limits.
  - + - Correlation coefficient for the MSA is less than 0.995.

- M (Method) Qualifiers:
  - "P" - ICP
  - "A" - Flame AA
  - "F" - Furnace AA
  - "PM" - ICP when Microwave Digestion is used
  - "AM" - Flame AA when Microwave Digestion is used
  - "FM" - Furnace AA when Microwave Digestion is used
  - "CV" - Manual Cold Vapor AA
  - "AV" - Automated Cold Vapor AA
  - "CA" - Midi-Distillation Spectrophotometric
  - "AS" - Semi-Automated Spectrophotometric
  - "C" - Manual Spectrophotometric
  - "T" - Titrimetric
  - "G" - Gravimetric
  - "TC" - Total Organic Carbon Analyzer
  - "TX" - Total Organic Halide Analyzer
  - "TB" - Turbidimeter
  - "IC" - Ion Chromatograph
  - "CL"- Calculation
  - "M"- Meter
  - "V"- Visual
  - " " - where no data have been entered
  - "NR" - the analyte is not required to be analyzed

Environmental Laboratories, Inc.
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NY # 11301

NY ANALYTICAL SERVICES PROTOCOL

October 03, 2013 **SDG I.D.: GBF45197**

48 SEWELL ST Galli Engineering, P.C.

Conformance / Non-Conformance Summary

Metals

Form 1 (Analytical Results Summary) :

Form 2A&B (Calibration Standard Summary) The CRDL standard on 09/27/13 at 19:30 on BLUE was outside criteria for iron, nickel and zinc. The CRDL standard on 09/27/13 at 22:16 on BLUE was outside criteria for aluminum, calcium, iron, nickel and zinc.
The CRA standard on 09/26/13 at 10:57 on MERLIN was outside criteria for mercury.

Form 3 (Instrument and Preparation Blank Summary) met criteria

Form 4 (ICP Interference Check Sample) met criteria.

Form 5 (Spike Summary) The recoveries of calcium and magnesium were outside acceptance criteria and the affected samples are marked with a |N| in the appropriate fields.
Note that the laboratory performs a MS and MSD; only the MS is reported on Form 5.

Form 6 (Duplicate Summary) The %RPD of aluminum, barium, calcium, chromium, iron and vanadium were above acceptance criteria pointing to a homogeneity issue with the sample. The affected samples are marked with a |*| in the appropriate fields.

Form 7 (Laboratory Control Sample)
Note that the laboratory performs a LCS and LCSD; only the LCS is reported on Form 7.

Form 9 (ICP Serial Dilution) Spectral interference was observed for aluminum, calcium, iron, manganese and zinc due to possible matrix interference.

Other observations:

10/03/13

Jonathon Carlson Date
Project Manager

1

INORGANIC ANALYSIS DATA SHEET

Client Id: FM-1

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab Sample Id: BF45197 Sample Matrix: SOIL

Date Received: 9/25/2013 Percent Solids: 95.0

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	Concentration	C	Q	MDL	PQL	DF	Date Analyzed	M
7440-22-4	Silver	0.36	U		0.22	0.36	1	09/27/13	P
7429-90-5	Aluminum	1790		*	2.2	36	10	09/27/13	P
7440-38-2	Arsenic	1.5			0.29	0.7	1	09/27/13	P
7440-39-3	Barium	7.7		*	0.14	0.7	1	09/27/13	P
7440-41-7	Beryllium	0.29	U		0.14	0.29	1	09/27/13	P
7440-70-2	Calcium	164		N*	3.3	3.6	1	09/27/13	P
7440-43-9	Cadmium	0.36	U		0.14	0.36	1	09/27/13	P
7440-48-4	Cobalt	0.95			0.14	0.36	1	09/27/13	P
7440-47-3	Chromium	3.69		*	0.14	0.36	1	09/27/13	P
7440-50-8	Copper	4.20			0.29	0.36	1	09/27/13	P
7439-89-6	Iron	3330		*	3.6	3.6	1	09/27/13	P
7439-97-6	Mercury	0.07	U		0.04	0.07	1	09/26/13	AV
7440-09-7	Potassium	178			2.8	7	1	09/27/13	P
7439-95-4	Magnesium	197		N	0.22	3.6	1	09/27/13	P
7439-96-5	Manganese	24.1			0.14	0.36	1	09/27/13	P
7440-23-5	Sodium	7	U		3.1	7	1	09/27/13	P
7440-02-0	Nickel	2.46			0.14	0.36	1	09/27/13	P
7439-92-1	Lead	12.6			0.22	0.7	1	09/27/13	P
7440-36-0	Antimony	1.8	U		0.65	1.8	1	09/27/13	P
7782-49-2	Selenium	1.4	U		1.2	1.4	1	09/27/13	P
7440-28-0	Thallium	1.4	U		1.2	1.4	1	09/27/13	P
7440-62-2	Vanadium	4.5		*	0.14	0.4	1	09/27/13	P
7440-66-6	Zinc	14.9			0.36	0.7	1	09/27/13	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Client Id: FM-2

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab Sample Id: BF45199 Sample Matrix: SOIL

Date Received: 9/25/2013 Percent Solids: 94.0

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	Concentration	C	Q	MDL	PQL	DF	Date Analyzed	M
7440-22-4	Silver	0.31	U		0.19	0.31	1	09/27/13	P
7429-90-5	Aluminum	2260		*	1.9	31	10	09/27/13	P
7440-38-2	Arsenic	5.2			0.25	0.6	1	09/27/13	P
7440-39-3	Barium	117		*	0.13	0.6	1	09/27/13	P
7440-41-7	Beryllium	0.25	U		0.13	0.25	1	09/27/13	P
7440-70-2	Calcium	2880		N*	2.9	3.1	1	09/27/13	P
7440-43-9	Cadmium	0.54			0.13	0.31	1	09/27/13	P
7440-48-4	Cobalt	1.36			0.13	0.31	1	09/27/13	P
7440-47-3	Chromium	11.4		*	0.13	0.31	1	09/27/13	P
7440-50-8	Copper	10.6			0.25	0.31	1	09/27/13	P
7439-89-6	Iron	8990		*	31	31	10	09/27/13	P
7439-97-6	Mercury	0.08	U		0.05	0.08	1	09/26/13	AV
7440-09-7	Potassium	168			2.4	6	1	09/27/13	P
7439-95-4	Magnesium	508		N	0.19	3.1	1	09/27/13	P
7439-96-5	Manganese	31.8			0.13	0.31	1	09/27/13	P
7440-23-5	Sodium	41			2.7	6	1	09/27/13	P
7440-02-0	Nickel	3.38			0.13	0.31	1	09/27/13	P
7439-92-1	Lead	197			1.9	6.3	10	09/27/13	P
7440-36-0	Antimony	1.6	U		0.56	1.6	1	09/27/13	P
7782-49-2	Selenium	1.3	U		1.1	1.3	1	09/27/13	P
7440-28-0	Thallium	1.3	U		1	1.3	1	09/27/13	P
7440-62-2	Vanadium	9.4		*	0.13	0.3	1	09/27/13	P
7440-66-6	Zinc	107			0.31	0.6	1	09/27/13	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

FORM I - IN

1

INORGANIC ANALYSIS DATA SHEET

Client Id: FM-3

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab Sample Id: BF45201 Sample Matrix: SOIL

Date Received: 9/25/2013 Percent Solids: 95.0

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	Concentration	C	Q	MDL	PQL	DF	Date Analyzed	M
7440-22-4	Silver	0.36	U		0.22	0.36	1	09/27/13	P
7429-90-5	Aluminum	3520		*	2.2	36	10	09/27/13	P
7440-38-2	Arsenic	6.3			0.29	0.7	1	09/27/13	P
7440-39-3	Barium	11.9		*	0.14	0.7	1	09/27/13	P
7440-41-7	Beryllium	0.29	U		0.14	0.29	1	09/27/13	P
7440-70-2	Calcium	1620		N*	3.3	3.6	1	09/27/13	P
7440-43-9	Cadmium	0.51			0.14	0.36	1	09/27/13	P
7440-48-4	Cobalt	1.86			0.14	0.36	1	09/27/13	P
7440-47-3	Chromium	12.5		*	0.14	0.36	1	09/27/13	P
7440-50-8	Copper	5.78			0.29	0.36	1	09/27/13	P
7439-89-6	Iron	11600		*	36	36	10	09/27/13	P
7439-97-6	Mercury	0.07	U		0.04	0.07	1	09/26/13	AV
7440-09-7	Potassium	204			2.8	7	1	09/27/13	P
7439-95-4	Magnesium	1160		N	0.22	3.6	1	09/27/13	P
7439-96-5	Manganese	50.4			0.14	0.36	1	09/27/13	P
7440-23-5	Sodium	13			3.1	7	1	09/27/13	P
7440-02-0	Nickel	6.08			0.14	0.36	1	09/27/13	P
7439-92-1	Lead	59.4			0.22	0.7	1	09/27/13	P
7440-36-0	Antimony	1.8	U		0.65	1.8	1	09/27/13	P
7782-49-2	Selenium	1.4	U		1.2	1.4	1	09/27/13	P
7440-28-0	Thallium	1.4	U		1.2	1.4	1	09/27/13	P
7440-62-2	Vanadium	11.9		*	0.14	0.4	1	09/27/13	P
7440-66-6	Zinc	20.7			0.36	0.7	1	09/27/13	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Client Id: FM-4

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab Sample Id: BF45203 Sample Matrix: SOIL

Date Received: 9/25/2013 Percent Solids: 98.0

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	Concentration	C	Q	MDL	PQL	DF	Date Analyzed	M
7440-22-4	Silver	0.34	U		0.2	0.34	1	09/27/13	P
7429-90-5	Aluminum	1000		*	2	34	10	09/27/13	P
7440-38-2	Arsenic	2.0			0.27	0.7	1	09/27/13	P
7440-39-3	Barium	4.7		*	0.13	0.7	1	09/27/13	P
7440-41-7	Beryllium	0.27	U		0.13	0.27	1	09/27/13	P
7440-70-2	Calcium	95.0		N*	3.1	3.4	1	09/27/13	P
7440-43-9	Cadmium	0.21	B		0.13	0.34	1	09/27/13	P
7440-48-4	Cobalt	0.69			0.13	0.34	1	09/27/13	P
7440-47-3	Chromium	3.59		*	0.13	0.34	1	09/27/13	P
7440-50-8	Copper	2.19			0.27	0.34	1	09/27/13	P
7439-89-6	Iron	5020		*	34	34	10	09/27/13	P
7439-97-6	Mercury	0.06	U		0.04	0.06	1	09/26/13	AV
7440-09-7	Potassium	62			2.6	7	1	09/27/13	P
7439-95-4	Magnesium	99.2		N	0.2	3.4	1	09/27/13	P
7439-96-5	Manganese	14.8			0.13	0.34	1	09/27/13	P
7440-23-5	Sodium	7	U		2.9	7	1	09/27/13	P
7440-02-0	Nickel	2.18			0.13	0.34	1	09/27/13	P
7439-92-1	Lead	9.8			0.2	0.7	1	09/27/13	P
7440-36-0	Antimony	1.7	U		0.6	1.7	1	09/27/13	P
7782-49-2	Selenium	1.3	U		1.1	1.3	1	09/27/13	P
7440-28-0	Thallium	1.3	U		1.1	1.3	1	09/27/13	P
7440-62-2	Vanadium	4.4		*	0.13	0.3	1	09/27/13	P
7440-66-6	Zinc	8.4			0.34	0.7	1	09/27/13	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

FORM I - IN

1

INORGANIC ANALYSIS DATA SHEET

Client Id: FM-5

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab Sample Id: BF45205 Sample Matrix: SOIL

Date Received: 9/25/2013 Percent Solids: 95.0

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	Concentration	C	Q	MDL	PQL	DF	Date Analyzed	M
7440-22-4	Silver	0.34	U		0.21	0.34	1	09/27/13	P
7429-90-5	Aluminum	1580		*	2.1	34	10	09/27/13	P
7440-38-2	Arsenic	2.6			0.27	0.7	1	09/27/13	P
7440-39-3	Barium	61.7		*	0.14	0.7	1	09/27/13	P
7440-41-7	Beryllium	0.27	U		0.14	0.27	1	09/27/13	P
7440-70-2	Calcium	2290		N*	3.1	3.4	1	09/27/13	P
7440-43-9	Cadmium	0.30	B		0.14	0.34	1	09/27/13	P
7440-48-4	Cobalt	0.94			0.14	0.34	1	09/27/13	P
7440-47-3	Chromium	5.32		*	0.14	0.34	1	09/27/13	P
7440-50-8	Copper	6.52			0.27	0.34	1	09/27/13	P
7439-89-6	Iron	4760		*	34	34	10	09/27/13	P
7439-97-6	Mercury	0.08	U		0.05	0.08	1	09/26/13	AV
7440-09-7	Potassium	123			2.7	7	1	09/27/13	P
7439-95-4	Magnesium	328		N	0.21	3.4	1	09/27/13	P
7439-96-5	Manganese	39.0			0.14	0.34	1	09/27/13	P
7440-23-5	Sodium	26			2.9	7	1	09/27/13	P
7440-02-0	Nickel	2.92			0.14	0.34	1	09/27/13	P
7439-92-1	Lead	145			2.1	6.8	10	09/27/13	P
7440-36-0	Antimony	1.7	U		0.62	1.7	1	09/27/13	P
7782-49-2	Selenium	1.4	U		1.2	1.4	1	09/27/13	P
7440-28-0	Thallium	1.4	U		1.1	1.4	1	09/27/13	P
7440-62-2	Vanadium	6.9		*	0.14	0.3	1	09/27/13	P
7440-66-6	Zinc	76.5			0.34	0.7	1	09/27/13	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Client Id: FM-6

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab Sample Id: BF45207 Sample Matrix: SOIL

Date Received: 9/25/2013 Percent Solids: 96.0

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	Concentration	C	Q	MDL	PQL	DF	Date Analyzed	M
7440-22-4	Silver	0.35	U		0.21	0.35	1	09/27/13	P
7429-90-5	Aluminum	1780		*	2.1	35	10	09/27/13	P
7440-38-2	Arsenic	2.8			0.28	0.7	1	09/27/13	P
7440-39-3	Barium	29.7		*	0.14	0.7	1	09/27/13	P
7440-41-7	Beryllium	0.28	U		0.14	0.28	1	09/27/13	P
7440-70-2	Calcium	606		N*	3.2	3.5	1	09/27/13	P
7440-43-9	Cadmium	0.30	B		0.14	0.35	1	09/27/13	P
7440-48-4	Cobalt	0.83			0.14	0.35	1	09/27/13	P
7440-47-3	Chromium	8.66		*	0.14	0.35	1	09/27/13	P
7440-50-8	Copper	3.94			0.28	0.35	1	09/27/13	P
7439-89-6	Iron	5660		*	35	35	10	09/27/13	P
7439-97-6	Mercury	0.06	U		0.04	0.06	1	09/26/13	AV
7440-09-7	Potassium	93			2.7	7	1	09/27/13	P
7439-95-4	Magnesium	185		N	0.21	3.5	1	09/27/13	P
7439-96-5	Manganese	20.5			0.14	0.35	1	09/27/13	P
7440-23-5	Sodium	5	B		3	7	1	09/27/13	P
7440-02-0	Nickel	3.64			0.14	0.35	1	09/27/13	P
7439-92-1	Lead	65.2			0.21	0.7	1	09/27/13	P
7440-36-0	Antimony	1.8	U		0.63	1.8	1	09/27/13	P
7782-49-2	Selenium	1.4	U		1.2	1.4	1	09/27/13	P
7440-28-0	Thallium	1.4	U		1.1	1.4	1	09/27/13	P
7440-62-2	Vanadium	7.3		*	0.14	0.4	1	09/27/13	P
7440-66-6	Zinc	33.6			0.35	0.7	1	09/27/13	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Client Id: FM-7

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab Sample Id: BF45209 Sample Matrix: SOIL

Date Received: 9/25/2013 Percent Solids: 94.0

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	Concentration	C	Q	MDL	PQL	DF	Date Analyzed	M
7440-22-4	Silver	0.34	U		0.2	0.34	1	09/27/13	P
7429-90-5	Aluminum	1770		*	2	34	10	09/27/13	P
7440-38-2	Arsenic	3.0			0.27	0.7	1	09/27/13	P
7440-39-3	Barium	67.0		*	0.14	0.7	1	09/27/13	P
7440-41-7	Beryllium	0.27	U		0.14	0.27	1	09/27/13	P
7440-70-2	Calcium	2100		N*	3.1	3.4	1	09/27/13	P
7440-43-9	Cadmium	0.37			0.14	0.34	1	09/27/13	P
7440-48-4	Cobalt	1.02			0.14	0.34	1	09/27/13	P
7440-47-3	Chromium	5.21		*	0.14	0.34	1	09/27/13	P
7440-50-8	Copper	7.35			0.27	0.34	1	09/27/13	P
7439-89-6	Iron	5720		*	34	34	10	09/27/13	P
7439-97-6	Mercury	0.07	U		0.04	0.07	1	09/26/13	AV
7440-09-7	Potassium	137			2.7	7	1	09/27/13	P
7439-95-4	Magnesium	342		N	0.2	3.4	1	09/27/13	P
7439-96-5	Manganese	28.1			0.14	0.34	1	09/27/13	P
7440-23-5	Sodium	48			2.9	7	1	09/27/13	P
7440-02-0	Nickel	2.59			0.14	0.34	1	09/27/13	P
7439-92-1	Lead	132			0.2	0.7	1	09/27/13	P
7440-36-0	Antimony	1.7	U		0.61	1.7	1	09/27/13	P
7782-49-2	Selenium	1.4	U		1.2	1.4	1	09/27/13	P
7440-28-0	Thallium	1.4	U		1.1	1.4	1	09/27/13	P
7440-62-2	Vanadium	7.4		*	0.14	0.3	1	09/27/13	P
7440-66-6	Zinc	73.6			0.34	0.7	1	09/27/13	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Client Id: FM-8

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab Sample Id: BF45211 Sample Matrix: SOIL

Date Received: 9/25/2013 Percent Solids: 96.0

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	Concentration	C	Q	MDL	PQL	DF	Date Analyzed	M
7440-22-4	Silver	0.36	U		0.22	0.36	1	09/27/13	P
7429-90-5	Aluminum	1030		*	2.2	36	10	09/27/13	P
7440-38-2	Arsenic	2.7			0.29	0.7	1	09/27/13	P
7440-39-3	Barium	20.9		*	0.14	0.7	1	09/27/13	P
7440-41-7	Beryllium	0.29	U		0.14	0.29	1	09/27/13	P
7440-70-2	Calcium	655		N*	3.3	3.6	1	09/27/13	P
7440-43-9	Cadmium	0.18	B		0.14	0.36	1	09/27/13	P
7440-48-4	Cobalt	0.47			0.14	0.36	1	09/27/13	P
7440-47-3	Chromium	8.65		*	0.14	0.36	1	09/27/13	P
7440-50-8	Copper	2.79			0.29	0.36	1	09/27/13	P
7439-89-6	Iron	4150		*	36	36	10	09/27/13	P
7439-97-6	Mercury	0.06	U		0.04	0.06	1	09/26/13	AV
7440-09-7	Potassium	94			2.8	7	1	09/27/13	P
7439-95-4	Magnesium	198		N	0.22	3.6	1	09/27/13	P
7439-96-5	Manganese	12.9			0.14	0.36	1	09/27/13	P
7440-23-5	Sodium	7	B		3.1	7	1	09/27/13	P
7440-02-0	Nickel	2.17			0.14	0.36	1	09/27/13	P
7439-92-1	Lead	43.7			0.22	0.7	1	09/27/13	P
7440-36-0	Antimony	1.8	U		0.65	1.8	1	09/27/13	P
7782-49-2	Selenium	1.4	U		1.2	1.4	1	09/27/13	P
7440-28-0	Thallium	1.4	U		1.2	1.4	1	09/27/13	P
7440-62-2	Vanadium	7.2		*	0.14	0.4	1	09/27/13	P
7440-66-6	Zinc	24.6			0.36	0.7	1	09/27/13	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Client Id: FM-9

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab Sample Id: BF45213 Sample Matrix: SOIL

Date Received: 9/25/2013 Percent Solids: 94.0

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	Concentration	C	Q	MDL	PQL	DF	Date Analyzed	M
7440-22-4	Silver	0.34	U		0.2	0.34	1	09/27/13	P
7429-90-5	Aluminum	5940		*	2	34	10	09/27/13	P
7440-38-2	Arsenic	2.3			0.27	0.7	1	09/27/13	P
7440-39-3	Barium	28.5		*	0.13	0.7	1	09/27/13	P
7440-41-7	Beryllium	0.21	B		0.13	0.27	1	09/27/13	P
7440-70-2	Calcium	7150		N*	3.1	3.4	1	09/27/13	P
7440-43-9	Cadmium	0.61			0.13	0.34	1	09/27/13	P
7440-48-4	Cobalt	6.80			0.13	0.34	1	09/27/13	P
7440-47-3	Chromium	14.3		*	0.13	0.34	1	09/27/13	P
7440-50-8	Copper	25.4			0.27	0.34	1	09/27/13	P
7439-89-6	Iron	13200		*	34	34	10	09/27/13	P
7439-97-6	Mercury	0.06	U		0.04	0.06	1	09/26/13	AV
7440-09-7	Potassium	749			2.6	7	1	09/27/13	P
7439-95-4	Magnesium	2520		N	0.2	3.4	1	09/27/13	P
7439-96-5	Manganese	188			1.3	3.4	10	09/27/13	P
7440-23-5	Sodium	239			2.9	7	1	09/27/13	P
7440-02-0	Nickel	30.2			0.13	0.34	1	09/27/13	P
7439-92-1	Lead	20.5			0.2	0.7	1	09/27/13	P
7440-36-0	Antimony	1.7	U		0.61	1.7	1	09/27/13	P
7782-49-2	Selenium	1.3	U		1.1	1.3	1	09/27/13	P
7440-28-0	Thallium	1.3	U		1.1	1.3	1	09/27/13	P
7440-62-2	Vanadium	22.5		*	0.13	0.3	1	09/27/13	P
7440-66-6	Zinc	158			3.4	6.7	10	09/27/13	P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Client Id: DUPLICATE

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab Sample Id: BF45215 Sample Matrix: SOIL

Date Received: 9/25/2013 Percent Solids: 96.0

Concentration Units (mg/L or mg/kg dry weight): mg/Kg

CAS No.	Analyte	Concentration	C	Q	MDL	PQL	DF	Date Analyzed	M
7440-22-4	Silver	0.35	U		0.21	0.35	1	09/27/13	P
7429-90-5	Aluminum	1690		*	2.1	35	10	09/27/13	P
7440-38-2	Arsenic	2.6			0.28	0.7	1	09/27/13	P
7440-39-3	Barium	55.9		*	0.14	0.7	1	09/27/13	P
7440-41-7	Beryllium	0.28	U		0.14	0.28	1	09/27/13	P
7440-70-2	Calcium	2140		N*	3.2	3.5	1	09/27/13	P
7440-43-9	Cadmium	0.29	B		0.14	0.35	1	09/27/13	P
7440-48-4	Cobalt	0.95			0.14	0.35	1	09/27/13	P
7440-47-3	Chromium	6.35		*	0.14	0.35	1	09/27/13	P
7440-50-8	Copper	6.79			0.28	0.35	1	09/27/13	P
7439-89-6	Iron	4030		*	35	35	10	09/27/13	P
7439-97-6	Mercury	0.07	U		0.04	0.07	1	09/26/13	AV
7440-09-7	Potassium	144			2.7	7	1	09/27/13	P
7439-95-4	Magnesium	405		N	0.21	3.5	1	09/27/13	P
7439-96-5	Manganese	24.3			0.14	0.35	1	09/27/13	P
7440-23-5	Sodium	29			3	7	1	09/27/13	P
7440-02-0	Nickel	2.50			0.14	0.35	1	09/27/13	P
7439-92-1	Lead	126			0.21	0.7	1	09/27/13	P
7440-36-0	Antimony	1.7	U		0.62	1.7	1	09/27/13	P
7782-49-2	Selenium	1.4	U		1.2	1.4	1	09/27/13	P
7440-28-0	Thallium	1.4	U		1.1	1.4	1	09/27/13	P
7440-62-2	Vanadium	8.4		*	0.14	0.3	1	09/27/13	P
7440-66-6	Zinc	69.5			0.35	0.7	1	09/27/13	P

Color Before: Clarity Before: Texture:

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Comments:

FORM I - IN

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG:

Initial Calibration Source: Inorganic Ventures (QCP)

Continuing Calibration Source: Inorganic Ventures (IPC1+2)

Instrument: BLUE

Concentration Units: mg/l

Analyte	Initial Calibration 9/27/2013 19:27 True	Found	%R	Continuing Calibration 9/27/2013 19:44 True	Found	%R	Continuing Calibration 9/27/2013 20:18 True	Found	%R	M
Silver	0.2500	0.2490	99.6							P
Aluminum	1.000	1.013	101.3	1.000	1.001	100.1	1.000	1.003	100.3	P
Arsenic	2.000	2.078	103.9	1.000	1.043	104.3	1.000	1.048	104.8	P
Barium	1.000	1.022	102.2							P
Beryllium	1.000	1.025	102.5							P
Calcium	1.000	1.038	103.8							P
Cadmium	1.000	1.052	105.2							P
Cobalt	1.000	1.056	105.6							P
Chromium	1.000	1.027	102.7	1.000	1.010	101.0	1.000	1.018	101.8	P
Copper	1.000	1.038	103.8	1.000	1.020	102.0	1.000	1.019	101.9	P
Iron	1.000	1.053	105.3	1.000	1.030	103.0	1.000	1.035	103.5	P
Mercury										
Potassium	5.000	5.075	101.5							P
Magnesium	1.000	1.064	106.4							P
Manganese	1.000	1.046	104.6	1.000	1.023	102.3	1.000	1.024	102.4	P
Sodium	1.000	1.049	104.9							P
Nickel	1.000	1.037	103.7							P
Lead	2.000	2.094	104.7	1.000	1.015	101.5	1.000	1.027	102.7	P
Antimony	2.000	2.103	105.2	1.000	1.036	103.6	1.000	1.045	104.5	P
Selenium	1.000	1.044	104.4							P
Thallium	5.000	5.301	106.0	1.000	1.036	103.6	1.000	1.042	104.2	P
Vanadium	1.000	1.016	101.6							P
Zinc	1.000	1.056	105.6	1.000	1.025	102.5	1.000	1.028	102.8	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

FORM II - IN (PART 1) - 1

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG:

Initial Calibration Source: Inorganic Ventures (QCP)

Continuing Calibration Source: Inorganic Ventures (IPC1+2)

Instrument: BLUE

Concentration Units: mg/l

Analyte	Continuing Calibration 9/27/2013 20:53 True	Found	%R	Continuing Calibration 9/27/2013 21:30 True	Found	%R	Continuing Calibration 9/27/2013 22:05 True	Found	%R	M
Silver	0.2500	0.2474	99.0	0.2500	0.2579	103.2	0.2500	0.2590	103.6	P
Aluminum	1.000	0.9887	98.9	1.000	1.034	103.4	1.000	1.026	102.6	P
Arsenic	1.000	1.029	102.9	1.000	1.074	107.4	1.000	1.090	109.0	P
Barium	1.000	1.003	100.3	1.000	1.033	103.3	1.000	1.021	102.1	P
Beryllium	1.000	1.011	101.1	1.000	1.047	104.7	1.000	1.056	105.6	P
Calcium	1.000	1.011	101.1	1.000	1.058	105.8	1.000	1.076	107.6	P
Cadmium	1.000	1.005	100.5	1.000	1.061	106.1	1.000	1.089	108.9	P
Cobalt	1.000	1.017	101.7	1.000	1.067	106.7	1.000	1.088	108.8	P
Chromium	1.000	0.9918	99.2	1.000	1.041	104.1	1.000	1.062	106.2	P
Copper	1.000	1.011	101.1	1.000	1.050	105.0	1.000	1.048	104.8	P
Iron	1.000	1.035	103.5	1.000	1.085	108.5	1.000	1.102	110.2	P
Mercury										
Potassium	5.000	5.204	104.1	5.000	5.273	105.5	5.000	4.956	99.1	P
Magnesium	1.000	1.015	101.5	1.000	1.065	106.5	1.000	1.084	108.4	P
Manganese	1.000	1.007	100.7	1.000	1.052	105.2	1.000	1.072	107.2	P
Sodium	5.000	5.285	105.7	5.000	5.318	106.4	5.000	4.984	99.7	P
Nickel	1.000	0.9904	99.0	1.000	1.051	105.1	1.000	1.069	106.9	P
Lead	1.000	0.9897	99.0	1.000	1.047	104.7	1.000	1.071	107.1	P
Antimony	1.000	1.020	102.0	1.000	1.070	107.0	1.000	1.078	107.8	P
Selenium	1.000	1.006	100.6	1.000	1.054	105.4	1.000	1.066	106.6	P
Thallium	1.000	1.024	102.4	1.000	1.068	106.8	1.000	1.084	108.4	P
Vanadium	1.000	1.005	100.5	1.000	1.044	104.4	1.000	1.052	105.2	P
Zinc	1.000	1.006	100.6	1.000	1.058	105.8	1.000	1.078	107.8	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

FORM II - IN (PART 1) - 2

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG:

Initial Calibration Source: Inorganic Ventures (QCP)

Continuing Calibration Source: Inorganic Ventures (IPC1+2)

Instrument: BLUE

Concentration Units: mg/l

Analyte	Continuing Calibration 9/27/2013 22:39 True	Found	%R	Continuing Calibration True	Found	%R	Continuing Calibration True	Found	%R	M
Silver	0.2500	0.2565	102.6							P
Aluminum										
Arsenic	1.000	1.093	109.3							P
Barium	1.000	1.022	102.2							P
Beryllium	1.000	1.038	103.8							P
Calcium	1.000	1.059	105.9							P
Cadmium	1.000	1.080	108.0							P
Cobalt	1.000	1.079	107.9							P
Chromium	1.000	1.054	105.4							P
Copper	1.000	1.042	104.2							P
Iron										
Mercury										
Potassium	5.000	5.007	100.1							P
Magnesium	1.000	1.078	107.8							P
Manganese	1.000	1.058	105.8							P
Sodium	5.000	5.051	101.0							P
Nickel	1.000	1.067	106.7							P
Lead	1.000	1.065	106.5							P
Antimony	1.000	1.081	108.1							P
Selenium	1.000	1.074	107.4							P
Thallium	1.000	1.082	108.2							P
Vanadium	1.000	1.041	104.1							P
Zinc	1.000	1.072	107.2							P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG:

Initial Calibration Source: Ultra

Continuing Calibration Source: Ultra

Instrument: MERLIN

Concentration Units: mg/l

Analyte	Initial Calibration 9/26/2013 10:46			Continuing Calibration 9/26/2013 11:50			Continuing Calibration 9/26/2013 12:23			M
	True	Found	%R	True	Found	%R	True	Found	%R	
Silver										
Aluminum										
Arsenic										
Barium										
Beryllium										
Calcium										
Cadmium										
Cobalt										
Chromium										
Copper										
Iron										
Mercury	0.004	0.0042	105.0	0.004	0.0039	97.5	0.004	0.0039	97.5	AV
Potassium										
Magnesium										
Manganese										
Sodium										
Nickel										
Lead										
Antimony										
Selenium										
Thallium										
Vanadium										
Zinc										

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2B
CRDL STANDARD

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG: GBF45197

Instrument: BLUE

CRDL Standard Source: Environmental Express

Concentration Units: mg/L

	Initial CRDL Standard 9/27/2013 19:30 Initial			Continuing CRDL Standard 9/27/2013 22:16 Continuing		
Analyte	True	Found	%R	True	Found	%R
Silver	0.0050	0.0052	104.0	0.0050	0.0051	102.0
Aluminum	0.0500	0.0524	104.8	0.0500	0.0862	172.4
Arsenic	0.0200	0.0206	103.0	0.0200	0.0199	99.5
Barium	0.0100	0.0103	103.0	0.0100	0.0108	108.0
Beryllium	0.0050	0.0049	98.0	0.0050	0.0046	92.0
Calcium	0.0500	0.0636	127.2	0.0500	0.1079	215.8
Cadmium	0.0050	0.0044	88.0	0.0050	0.0043	86.0
Cobalt	0.0050	0.0052	104.0	0.0050	0.0049	98.0
Chromium	0.0050	0.0049	98.0	0.0050	0.0050	100.0
Copper	0.0050	0.0061	122.0	0.0050	0.0057	114.0
Iron	0.0250	0.0344	137.6	0.0250	0.0607	242.8
Mercury						
Potassium	0.5000	0.5113	102.3	0.5000	0.5126	102.5
Magnesium	0.0500	0.0535	107.0	0.0500	0.0570	114.0
Manganese	0.0050	0.0051	102.0	0.0050	0.0052	104.0
Sodium	0.5000	0.4581	91.6	0.5000	0.4450	89.0
Nickel	0.0050	0.0066	132.0	0.0050	0.0067	134.0
Lead	0.0100	0.0117	117.0	0.0100	0.0124	124.0
Antimony	0.0300	0.0268	89.3	0.0300	0.0270	90.0
Selenium	0.0500	0.0531	106.2	0.0500	0.0538	107.6
Thallium	0.0200	0.0209	104.5	0.0200	0.0208	104.0
Vanadium	0.0100	0.0108	108.0	0.0100	0.0109	109.0
Zinc	0.0100	0.0132	132.0	0.0100	0.0137	137.0

2B
CRDL STANDARD

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG: GBF45197

Instrument: MERLIN

CRDL Standard Source: Environmental Express

Concentration Units: mg/L

Analyte	Initial CRDL Standard 9/26/2013 10:57 True	Initial Found	%R	Continuing CRDL Standard True	Continuing Found	%R
Silver						
Aluminum						
Arsenic						
Barium						
Beryllium						
Calcium						
Cadmium						
Cobalt						
Chromium						
Copper						
Iron						
Mercury	0.0002	0.0001	50.0			
Potassium						
Magnesium						
Manganese						
Sodium						
Nickel						
Lead						
Antimony						
Selenium						
Thallium						
Vanadium						
Zinc						

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SDG No.: GBF45197

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Instrument: BLUE

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 9/27/2013 19:47 1	C	9/27/2013 20:21 2	C	9/27/2013 20:56 3	C	Prep Blank (ug/L)	C	M
Silver							5	U			P
Aluminum			50	U	50	U	50	U			P
Arsenic			10	U	10	U	10	U			P
Barium							10	U			P
Beryllium							4	U			P
Calcium							50	U			P
Cadmium							5	U			P
Cobalt							5	U			P
Chromium			5	U	5	U	5	U			P
Copper			8		5	U	5	U			P
Iron			50	U	50	U	50	U			P
Mercury											
Potassium							100	U			P
Magnesium							50	U			P
Manganese			5	U	5	U	5	U			P
Sodium							100	U			P
Nickel							5	U			P
Lead			10	U	10	U	10	U			P
Antimony			25	U	25	U	25	U			P
Selenium							20	U			P
Thallium			20	U	20	U	20	U			P
Vanadium							5	U			P
Zinc			10	U	10	U	10	U			P

FORM III - IN

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SDG No.: GBF45197

Preparation Blank Matrix (soil/water): BF45197 (Soil)

Preparation Blank Concentration Units (ug/L or mg/kg): mg/kg

Instrument: BLUE

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 9/27/2013 21:33 1	C	9/27/2013 22:07 2	C	9/27/2013 22:42 3	C	Prep Blank (mg/kg)	C	M
Silver			5	U	5	U	5	U	0.33	U	P
Aluminum			50	U	50	U			5.0	U	P
Arsenic			10	U	10	U	10	U	0.67	U	P
Barium			10	U	10	U	10	U	0.33	U	P
Beryllium			4	U	4	U	4	U	0.27	U	P
Calcium			50	U	50	U	50	U	5.0	U	P
Cadmium			5	U	5	U	5	U	0.33	U	P
Cobalt			5	U	5	U	5	U	0.33	U	P
Chromium			5	U	5	U	5	U	0.33	U	P
Copper			5	U	5	U	5	U	0.33	U	P
Iron			50	U	50	U			5.0	U	P
Mercury											
Potassium			100	U	100	U	100	U	5.0	U	P
Magnesium			50	U	50	U	50	U	5.0	U	P
Manganese			5	U	5	U	5	U	0.33	U	P
Sodium			100	U	100	U	100	U	5.0	U	P
Nickel			5	U	5	U	5	U	0.33	U	P
Lead			10	U	10	U	10	U	0.33	U	P
Antimony			25	U	25	U	25	U	3.3	U	P
Selenium			20	U	20	U	20	U	1.3	U	P
Thallium			20	U	20	U	20	U	3.0	U	P
Vanadium			5	U	5	U	5	U	0.33	U	P
Zinc			10	U	10	U	10	U	0.33	U	P

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SDG No.: GBF45197

Preparation Blank Matrix (soil/water): BF45205 (Soil)

Preparation Blank Concentration Units (ug/L or mg/kg): mg/kg

Instrument: MERLIN

Analyte	Initial Calib. Blank (ug/L) 9/26/2013 10:50	C	Continuing Calibration Blank (ug/L) 9/26/2013 11:52 1	C	9/26/2013 12:25 2	C	3	C	Prep Blank (mg/kg)	C	M
Silver											
Aluminum											
Arsenic											
Barium											
Beryllium											
Calcium											
Cadmium											
Cobalt											
Chromium											
Copper											
Iron											
Mercury	0.20	U	0.20	U	0.20	U			0.06	U	AV
Potassium											
Magnesium											
Manganese											
Sodium											
Nickel											
Lead											
Antimony											
Selenium											
Thallium											
Vanadium											
Zinc											

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument: BLUE ICS Source: Inorganic Ventures, Inc.

Concentration Units: mg/L

Analyte	True Value Sol. A	True Value Sol. AB	Initial Found 9/27/2013 7:35:50 Sol. A	Initial Found 9/27/2013 7:38:42 Sol. AB	Initial Found %R	Continuing Found 9/27/2013 10:22:18 Sol. A	Continuing Found 9/27/2013 10:25:09 Sol. AB	Continuing Found %R
Silver		0.3000	0.003U	0.296	98.7	0.003U	0.297	99.0
Aluminum	30.00	30.00	29.63	30.05	100.2	29.19	30.06	100.2
Arsenic		1.000	0.004U	1.000	100.0	0.004U	1.034	103.4
Barium		0.3000	0.002U	0.304	101.3	0.002U	0.302	100.7
Beryllium		0.1000	0.002U	0.099	99.0	0.002U	0.101	101.0
Calcium	150.0	150.0	150.1	149.6	99.7	150.9	153.0	102.0
Cadmium		0.3000	0.005	0.290	96.7	0.005	0.300	100.0
Cobalt		0.3000	0.003	0.294	98.0	0.003	0.301	100.3
Chromium		0.3000	0.002U	0.287	95.7	0.002U	0.293	97.7
Copper		0.3000	0.004U	0.304	101.3	0.004U	0.301	100.3
Iron	125.0	125.0	126.1	127.2	101.8	129.1	130.7	104.6
Mercury								
Potassium		20.00	0.039U	20.96	104.8	0.039U	20.51	102.6
Magnesium	75.00	75.00	75.56	75.66	100.9	76.07	77.29	103.1
Manganese		0.2000	0.002U	0.194	97.0	0.002U	0.198	99.0
Sodium	25.00	25.00	25.62	25.65	102.6	25.25	25.25	101.0
Nickel		0.3000	0.004	0.282	94.0	0.005	0.291	97.0
Lead		1.000	0.003U	0.943	94.3	0.003U	0.980	98.0
Antimony		1.000	0.009U	1.033	103.3	0.009U	1.060	106.0
Selenium		0.5000	0.017U	0.508	101.6	0.017U	0.522	104.4
Thallium		1.000	0.016U	0.972	97.2	0.016U	0.993	99.3
Vanadium		0.3000	0.002U	0.290	96.7	0.002U	0.294	98.0
Zinc		0.3000	0.009	0.299	99.7	0.011	0.309	103.0

FORM IV - IN - 1

5A
SPIKE SAMPLE RECOVERY

Client Id: FM-5

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab Sample Id: BF45205 Sample Matrix: SOIL

Date Received: 9/25/2013 Percent Solids: 95

Batch Id: 254770

Concentration Units (mg/L or mg/kg dry weight): mg/kg

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Silver	75-125								
Aluminum	75-125								
Arsenic	75-125								
Barium	75-125								
Beryllium	75-125								
Calcium	75-125								
Cadmium	75-125								
Cobalt	75-125								
Chromium	75-125								
Copper	75-125								
Iron	75-125								
Mercury	75-125	0.3971		0.08	U	0.34	115		AV
Potassium	75-125								
Magnesium	75-125								
Manganese	75-125								
Sodium	75-125								
Nickel	75-125								
Lead	75-125								
Antimony	75-125								
Selenium	75-125								
Thallium	75-125								
Vanadium	75-125								
Zinc	75-125								

Comments:

FORM V - IN

5A
SPIKE SAMPLE RECOVERY

Client Id: FM-1

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab Sample Id: BF45197 Sample Matrix: SOIL

Date Received: 9/25/2013 Percent Solids: 95

Batch Id: 254714

Concentration Units (mg/L or mg/kg dry weight): mg/kg

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Silver	75-125	32.31		0.36	U	36.05	89.6		P
Aluminum	75-125	3018		1789		144.2	NC		P
Arsenic	75-125	277.7		1.5		288.4	96.3		P
Barium	75-125	159.7		7.672		144.2	105		P
Beryllium	75-125	133.8		0.29	U	144.2	92.8		P
Calcium	75-125	315.3		163.5		144.2	105	N	P
Cadmium	75-125	131.2		0.36	U	144.2	91		P
Cobalt	75-125	136.3		0.9526		144.2	93.9		P
Chromium	75-125	147.0		3.463		144.2	99.5		P
Copper	75-125	141.8		3.788		144.2	95.7		P
Iron	75-125	7328		3326		144.2	NC		P
Mercury	75-125								
Potassium	75-125	986.3		177.5		721.0	112		P
Magnesium	75-125	353.3		197.1		144.2	108	N	P
Manganese	75-125	159.9		22.91		144.2	95		P
Sodium	75-125	171.5		7.0	U	144.2	119		P
Nickel	75-125	137.6		2.463		144.2	93.7		P
Lead	75-125	290.8		13.41		288.4	96.2		P
Antimony	75-125	274.8		1.8	U	288.4	95.3		P
Selenium	75-125	125.1		1.4	U	144.2	86.8		P
Thallium	75-125	703.4		1.4	U	721.0	97.6		P
Vanadium	75-125	140.4		4.459		144.2	94.3		P
Zinc	75-125	153.0		15.72		144.2	95.2		P

Comments:

FORM V - IN

5B
POST SPIKE SAMPLE RECOVERY

Client Id: FM-1

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab Sample Id: BF45197 Sample Matrix: SOIL

Date Received: 9/25/2013 Percent Solids: 95

Batch Id: 254714

Concentration Units (mg/L or mg/kg dry weight): mg/kg

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Silver	75-125								
Aluminum	75-125								
Arsenic	75-125								
Barium	75-125								
Beryllium	75-125								
Calcium	75-125	473.7		163.5		144.2	215	N	P
Cadmium	75-125								
Cobalt	75-125								
Chromium	75-125								
Copper	75-125								
Iron	75-125								
Potassium	75-125								
Magnesium	75-125	354.6		197.1		144.2	109		P
Manganese	75-125								
Sodium	75-125								
Nickel	75-125								
Lead	75-125								
Antimony	75-125								
Selenium	75-125								
Thallium	75-125								
Vanadium	75-125								
Zinc	75-125								

Comments:

FORM V - IN

6

DUPLICATES

Client Id: FM-5

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab Sample Id: BF45205 Sample Matrix: SOIL

Date Received: 9/25/2013 Percent Solids: 95

Batch Id: 254770

Concentration Units (mg/L or mg/kg dry weight): mg/kg

Analyte	Control Limit %	Sample (S)	C	Duplicate (D)	C	RPD*	Q	M
Silver	30							
Aluminum	30							
Arsenic	30							
Barium	30							
Beryllium	30							
Calcium	30							
Cadmium	30							
Cobalt	30							
Chromium	30							
Copper	30							
Iron	30							
Mercury	30	0.08	U	0.04	B	NC		AV
Potassium	30							
Magnesium	30							
Manganese	30							
Sodium	30							
Nickel	30							
Lead	30							
Antimony	30							
Selenium	30							
Thallium	30							
Vanadium	30							
Zinc	30							

* No criteria if either result is less than 5x the reporting level.

FORM VI - IN

DUPLICATES

Client Id: FM-1

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab Sample Id: BF45197 Sample Matrix: SOIL

Date Received: 9/25/2013 Percent Solids: 95

Batch Id: 254714

Concentration Units (mg/L or mg/kg dry weight): mg/kg

Analyte	Control Limit %	Sample (S)	C	Duplicate (D)	C	RPD*	Q	M
Silver	30	0.36	U	0.37	U	NC		P
Aluminum	30	1780		2460		32.1	*	P
Arsenic	30	1.5		3.58		NC		P
Barium	30	7.7		11.9		42.9	*	P
Beryllium	30	0.29	U	0.30	U	NC		P
Calcium	30	164		343		70.6	*	P
Cadmium	30	0.36	U	0.34	B	NC		P
Cobalt	30	0.95		1.19		NC		P
Chromium	30	3.69		6.64		57.1	*	P
Copper	30	4.20		5.12		19.7		P
Iron	30	3330		7700		79.2	*	P
Mercury	30							
Potassium	30	178		227		24.2		P
Magnesium	30	197		229		15.0		P
Manganese	30	24.1		30.6		23.8		P
Sodium	30	7	U	4.4	B	NC		P
Nickel	30	2.46		3.02		20.4		P
Lead	30	12.6		13.4		6.20		P
Antimony	30	1.8	U	3.7	U	NC		P
Selenium	30	1.4	U	1.5	U	NC		P
Thallium	30	1.4	U	3.3	U	NC		P
Vanadium	30	4.5		8.81		64.8	*	P
Zinc	30	14.9		18.9		23.7		P

* No criteria if either result is less than 5x the reporting level.

FORM VI - IN

LABORATORY CONTROL SAMPLE

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Aqueous LCS Source: Environmental Express

QC Batch Id: 254770

Analyte	Concentration Units (mg/L) True	Found	%R	Limits	
Silver					
Aluminum					
Arsenic					
Barium					
Beryllium					
Calcium					
Cadmium					
Cobalt					
Chromium					
Copper					
Iron					
Mercury	0.4000	0.3393	84.8	75	125
Potassium					
Magnesium					
Manganese					
Sodium					
Nickel					
Lead					
Antimony					
Selenium					
Thallium					
Vanadium					
Zinc					

FORM VII - IN

LABORATORY CONTROL SAMPLE

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Aqueous LCS Source: Environmental Express

QC Batch Id: 254714

Analyte	Concentration Units (mg/L) True	Found	%R	Limits	
Silver	61.30	53.58	87.4	75	125
Aluminum	10400	9182	88.3	75	125
Arsenic	182.0	174.4	95.8	75	125
Barium	143.0	140.5	98.3	75	125
Beryllium	98.30	96.51	98.2	75	125
Calcium	6040	5516	91.3	75	125
Cadmium	60.40	55.97	92.7	75	125
Cobalt	163.0	160.9	98.7	75	125
Chromium	125.0	120.5	96.4	75	125
Copper	80.10	79.84	99.7	75	125
Iron	12900	12790	99.1	75	125
Mercury					
Potassium	2820	3018	107	75	125
Magnesium	2640	2477	93.8	75	125
Manganese	279.0	266.5	95.5	75	125
Sodium	439.0	498.6	114	75	125
Nickel	128.0	122.1	95.4	75	125
Lead	136.0	126.7	93.2	75	125
Antimony	128.9	130.7	101	75	125
Selenium	85.90	76.94	89.6	75	125
Thallium	144.0	133.5	92.7	75	125
Vanadium	104.0	99.53	95.7	75	125
Zinc	204.0	186.8	91.6	75	125

FORM VII - IN

ICP SERIAL DILUTION

Client Id: FM-1

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Lab Sample Id: BF45197 Sample Matrix: SOIL

Date Received: 9/25/2013 Percent Solids: 95

Concentration Units (mg/L or mg/kg dry weight): mg/kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ-ence*	Q	M
Silver	0.36	U	1.85	U			P
Aluminum	1780		2480		39.3		P
Arsenic	1.5		3.75				P
Barium	7.7		12.4				P
Beryllium	0.29	U	1.48	U			P
Calcium	164		359		118.9		P
Cadmium	0.36	U	1.85	U			P
Cobalt	0.95		1.2	B			P
Chromium	3.69		6.36				P
Copper	4.2		5.63				P
Iron	3330		8010		140.5		P
Potassium	178		219		23.0		P
Magnesium	197		247		25.4		P
Manganese	24.1		31.4		30.3		P
Sodium	7	U	37.1	U			P
Nickel	2.46		3.26				P
Lead	12.6		14.5				P
Antimony	1.8	U	9.27	U			P
Selenium	1.4	U	7.41	U			P
Thallium	1.4	U	7.41	U			P
Vanadium	4.5		9.54				P
Zinc	14.9		21.1		41.6		P

* No criteria if either result is less than 5x the reporting level.

FORM IX - IN

DETECTION LIMITS

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument: BLUE Date: 10/25/12

Analyte	Wave-length (nm)	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Silver	328.068		5	3	P
Aluminum	396.152		50	3	P
Arsenic	189.042		10	4	P
Barium	455.404		10	2	P
Beryllium	313.107		4	2	P
Calcium	317.933		50	46	P
Cadmium	214.438		5	2	P
Cobalt	228.615		5	2	P
Chromium	267.716		5	2	P
Copper	324.754		5	4	P
Iron	259.940		50	50	P
Mercury					
Potassium	766.490		100	39	P
Magnesium	279.079		50	3	P
Manganese	257.610		5	2	P
Sodium	589.592		100	43	P
Nickel	231.604		5	2	P
Lead	220.351		10	3	P
Antimony	206.833		25	9	P
Selenium	196.090		20	17	P
Thallium	190.864		20	16	P
Vanadium	292.402		5	2	P
Zinc	213.856		10	5	P

Comments:

FORM X - IN

10
DETECTION LIMITS

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument: MERLIN Date: 12/08/11

Analyte	Wave-length (nm)	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Silver					
Aluminum					
Arsenic					
Barium					
Beryllium					
Calcium					
Cadmium					
Cobalt					
Chromium					
Copper					
Iron					
Mercury	279.55		0.2	0.12	AV
Potassium					
Magnesium					
Manganese					
Sodium					
Nickel					
Lead					
Antimony					
Selenium					
Thallium					
Vanadium					
Zinc					

Comments:

FORM X - IN

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No: _____ SAS No.: _____ SDG No.: GBF45197

Instrument: BLUE Date: 10/25/12

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Cr	Fe	Mg	Mn	Na	Ti	V	Zn
Silver	328.07										
Aluminum	396.15						0.0022				
Arsenic	189.04			0.0002000							
Barium	455.40								0.0002		0.0001
Beryllium	313.11								0.00002		
Calcium	317.93			0.0008000	0.0000555		0.0004		0.0001		
Cadmium	214.44				0.0000145						
Cobalt	228.62								0.0016		
Chromium	267.72				0.0000249		0.00008			0.00004	
Copper	324.75										
Iron	259.94										
Potassium	766.49										
Magnesium	279.08										
Manganese	257.61	0.0000136		0.0000543	0.0000168	0.0000283					
Sodium	589.59										0.1125
Nickel	231.60										
Lead	220.35										
Antimony	206.83										
Selenium	196.09	0.0000500									
Thallium	190.86										
Vanadium	292.40										
Zinc	213.86			0.0000355			0.0001				

Comments:

FORM XI (PART 1) - IN

ICP LINEAR RANGES (ANNUAL)

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument: Blue Date: 10/25/12

Analyte	Wavelength (nm)	Concentration (ug/L)	M
Silver	328.07	2400.0	P
Aluminum	396.15	2400.0	P
Arsenic	189.04	2400.0	P
Barium	455.40	2000.0	P
Beryllium	313.11	2400.0	P
Calcium	317.93	2400.0	P
Cadmium	214.44	2400.0	P
Cobalt	228.62	2400.0	P
Chromium	267.72	2400.0	P
Copper	324.75	2400.0	P
Iron	259.94	2400.0	P
Potassium	766.49	60000.0	P
Magnesium	279.08	75000.0	P
Manganese	257.61	2400.0	P
Sodium	589.59	12000.0	P
Nickel	231.60	2400.0	P
Lead	220.35	2400.0	P
Antimony	206.83	2400.0	P
Selenium	196.09	2400.0	P
Thallium	190.86	2400.0	P
Vanadium	292.40	2400.0	P
Zinc	213.86	2400.0	P

Comments:

FORM XII - IN

PREPARATION LOG

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Method: AV (Cold Vapor)

Batch Id: 254770

Lab Sample Id	Preparation Date	Weight (grams)	Volume (mL)
BF45205 BLK	09/26/13	40	40
BF45205 DUP	09/26/13	0.25	40
BF45205 LCS	09/26/13	40	40
BF45205 LCSD	09/26/13	40	40
BF45205 MS	09/26/13	0.29	40
BF45205 MSD	09/26/13	0.26	40
BF45197	09/26/13	0.25	40
BF45199	09/26/13	0.21	40
BF45201	09/26/13	0.23	40
BF45203	09/26/13	0.28	40
BF45205	09/26/13	0.21	40
BF45207	09/26/13	0.27	40
BF45209	09/26/13	0.23	40
BF45211	09/26/13	0.27	40
BF45213	09/26/13	0.29	40
BF45215	09/26/13	0.23	40

FORM XIII - IN

PREPARATION LOG

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Method: P (ICP)

Batch Id: 254714

Lab Sample Id	Preparation Date	Weight (grams)	Volume (mL)
BF45197 BLK	09/25/13	0.75	50
BF45197 DUP	09/25/13	0.73	50
BF45197 LCS	09/25/13	0.256	50
BF45197 LCSD	09/25/13	0.266	50
BF45197 MS	09/25/13	0.73	50
BF45197 MSD	09/25/13	0.82	50
BF45197	09/25/13	0.71	50
BF45199	09/25/13	0.85	50
BF45201	09/25/13	0.73	50
BF45203	09/25/13	0.76	50
BF45205	09/25/13	0.77	50
BF45207	09/25/13	0.74	50
BF45209	09/25/13	0.78	50
BF45211	09/25/13	0.72	50
BF45213	09/25/13	0.79	50
BF45215	09/25/13	0.75	50

ANALYSIS RUN LOG

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument: BLUE Method: P (ICP)

Start Date: 09/27/13 End Date: 09/27/13

Lab Sample Id	Client Sample Id	D/F	Time	Analytes																										
				AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	MG	MN	NA	NI	PB	SB	SE	TL	V	ZN				
ICV			19:27	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X				
I-CRDL			19:30	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X				
I-ICSA			19:35	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X				
I-ICSAB			19:38	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X				
CCV		1	19:44		X	X						X	X	X				X			X	X		X		X				
CCB		1	19:47		X	X						X	X	X				X			X	X		X		X				
-		1	19:50																											
-		1	19:53																											
BF45197 - LCS	FM-1 - LCS	10	19:55		X																									
BF45197 - LCSD	FM-1 - LCSD	10	19:58		X																									
-		10	20:01																											
BF45197	FM-1	10	20:04		X																									
BF45197 - MS	FM-1 - MS	10	20:07		X	X						X	X					X			X	X		X		X				
BF45197 - MSD	FM-1 - MSD	10	20:10			X												X			X	X		X		X				
BF45199	FM-2	10	20:13		X									X							X									
BF45201	FM-3	10	20:16		X									X																
CCV		1	20:18		X	X						X	X	X				X			X	X		X		X				
CCB		1	20:21		X	X						X	X	X				X			X	X		X		X				
BF45203	FM-4	10	20:24		X									X																
BF45205	FM-5	10	20:27		X									X							X									
BF45207	FM-6	10	20:30		X									X																
BF45209	FM-7	10	20:33		X									X																
BF45211	FM-8	10	20:36		X									X																
BF45213	FM-9	10	20:39		X									X				X								X				
BF45215	DUPLICATE	10	20:41		X									X																
-			20:44																											
-			20:47																											
-			20:50																											
CCV		1	20:53	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X				
CCB		1	20:56	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X				
-			20:59																											
-			21:02																											
-			21:04																											
-			21:07																											
-			21:10																											
BF45197 - BLK	FM-1 - BLK	1	21:13	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X				
BF45197 - LCS	FM-1 - LCS	1	21:16	X		X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X				
BF45197 - LCSD	FM-1 - LCSD	1	21:19	X		X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X				

FORM XIV - IN - 1

ANALYSIS RUN LOG

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument: BLUE Method: P (ICP)

Start Date: 09/27/13 End Date: 09/27/13

Lab Sample Id	Client Sample Id	D/F	Time	Analytes																								
				AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	MG	MN	NA	NI	PB	SB	SE	TL	V	ZN		
BF45197 - DUP	FM-1 - DUP	1	21:22	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X		
BF45197	FM-1	1	21:24	X		X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X		
BF45197 - MS	FM-1 - MS	1	21:27	X			X	X	X	X	X			X		X	X		X	X			X		X			
CCV		1	21:30	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X		
CCB		1	21:33	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X		
BF45197 - MSD	FM-1 - MSD	1	21:36	X	X		X	X	X	X	X	X	X	X		X	X		X	X			X		X			
BF45197 - DIL	FM-1 - DIL	5	21:39	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X		
BF45197 - PS	FM-1 - PS	1	21:42	X			X	X	X	X	X			X		X	X		X	X			X		X			
BF45199	FM-2	1	21:45	X		X	X	X	X	X	X	X	X			X	X	X	X	X		X	X	X	X	X		
BF45201	FM-3	1	21:47	X		X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X		
BF45203	FM-4	1	21:50	X		X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X		
BF45205	FM-5	1	21:53	X		X	X	X	X	X	X	X	X			X	X	X	X	X		X	X	X	X	X		
BF45207	FM-6	1	21:56	X		X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X		
BF45209	FM-7	1	21:59	X		X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X		
BF45211	FM-8	1	22:02	X		X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X		
CCV		1	22:05	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X		
CCB		1	22:07	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X		
BF45213	FM-9	1	22:10	X		X	X	X	X	X	X	X	X			X	X		X	X	X	X	X	X	X			
BF45215	DUPLICATE	1	22:13	X		X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X		
CRDL			22:16	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X		
-			22:19																									
ICSA			22:22	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X		
ICSAB			22:25	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X		
-			22:28																									
-			22:30																									
-			22:33																									
-			22:36																									
CCV		1	22:39	X		X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X		
CCB		1	22:42	X		X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X		

FORM XIV - IN - 2

ANALYSIS RUN LOG

Lab Name: Phoenix Environmental Labs Client: GALLI-ENG

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBF45197

Instrument: MERLIN Method: AV (Cold Vapor)

Start Date: 09/26/13 End Date: 09/26/13

Lab Sample Id	Client Sample Id	D/F	Time	Analytes																										
				AG	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	MG	MN	NA	NI	PB	SB	SE	TL	V	ZN				
ICV			10:46												X															
ICB			10:50												X															
I-CRDL			10:57												X															
-			11:05																											
BF45205 - BLK	FM-5 - BLK		11:13												X															
BF45205 - LCS	FM-5 - LCS		11:15												X															
BF45205 - LCSD	FM-5 - LCSD		11:19												X															
-			11:21																											
-			11:23																											
-			11:25																											
-			11:27																											
BF45197	FM-1		11:30												X															
BF45199	FM-2		11:32												X															
BF45201	FM-3		11:34												X															
BF45203	FM-4		11:36												X															
BF45205	FM-5		11:38												X															
BF45207	FM-6		11:41												X															
BF45205 - DUP	FM-5 - DUP		11:43												X															
BF45205 - MS	FM-5 - MS		11:45												X															
BF45205 - MSD	FM-5 - MSD		11:47												X															
CCV			11:50												X															
CCB			11:52												X															
BF45209	FM-7		11:54												X															
BF45211	FM-8		11:56												X															
BF45213	FM-9		11:58												X															
BF45215	DUPLICATE		12:01												X															
-			12:03																											
-			12:05																											
-			12:07																											
-			12:10																											
-			12:12																											
-			12:14																											
-			12:16																											
-			12:18																											
-			12:21																											
CCV			12:23												X															
CCB			12:25												X															

FORM XIV - IN - 3

Lab Id: **ICV** Measure Date: **9/27/2013 7:27:12 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
						ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	0.2490	1.013	> 2.078	1.064	1.022	1.025	1.038
Std Dev	0.0027	0.0181	0.0344	0.0189	0.0037	0.0037	0.0110
RSD %	1.1	1.8	1.7	1.8	0.4	0.4	1.1

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	1.052	1.056	1.027	1.038	1.053	5.075	1.064
Std Dev	0.0186	0.0210	0.0200	0.0096	0.0197	0.0552	0.0173
RSD %	1.8	2	1.9	0.9	1.9	1.1	1.6

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	1.046	1.057	1.049	1.037	> 2.094	> 2.103	1.044
Std Dev	0.0215	0.0191	0.0062	0.0191	0.0453	0.0436	0.0208
RSD %	2.1	1.8	0.6	1.8	2.2	2.1	2

	Ti	Tl	V	Zn
Conc Mean	1.019	> 5.301	1.016	1.056
Std Dev	0.0102	0.1014	0.0115	0.0202
RSD %	1	1.9	1.1	1.9

Lab Id: **I-CRDL** Measure Date: **9/27/2013 7:30:04 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
						ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	0.0052	0.0524	0.0206	0.0637	0.0103	0.0049	0.0636
Std Dev	0.0005	0.0009	0.0012	0.0006	0.0001	0.0001	0.0004
RSD %	9.6	1.7	5.8	0.9	1	2	0.6

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.0044	0.0052	0.0049	0.0061	0.0344	0.5113	0.0535
Std Dev	0.0001	0.0002	0.0001	0.0002	0.0004	0.0020	0.0004
RSD %	2.3	3.8	2	3.3	1.2	0.4	0.7

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	0.0051	0.0518	0.4581	0.0066	0.0117	0.0268	0.0531
Std Dev	0.0000	0.0003	0.0060	0.0007	0.0010	0.0008	0.0009
RSD %	0	0.6	1.3	10.6	8.5	3	1.7

	Ti	Tl	V	Zn
Conc Mean	0.0542	0.0209	0.0108	0.0132
Std Dev	0.0002	0.0009	0.0002	0.0002
RSD %	0.4	4.3	1.9	1.5

Phoenix Environmental Laboratories | ICP Data | Instrument: BLUE

Print Date: 10/3/2013 4:53:39 PM | **GBF45197 - SOIL** | Method Name: Blue 10

Lab Id: **I-ICSA** Measure Date: **9/27/2013 7:35:50 PM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
						ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< 0.0005	29.63	-0.0019	0.0078	0.0001	-0.0007	150.1
Std Dev	0.0001	0.2012	0.0003	0.0004	0.0000	0.0000	1.678
RSD %	20	0.7	15.8	5.1	0	0	1.1

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.0054	0.0027	-0.0007	0.0005	126.1	0.0070	75.56
Std Dev	0.0001	0.0000	0.0001	0.0001	1.593	0.0002	1.082
RSD %	1.9	0	14.3	20	1.3	2.9	1.4

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	0.0013	0.0001	25.62	0.0043	0.0021	-0.0024	-0.0029
Std Dev	0.0000	0.0006	0.2398	0.0002	0.0011	0.0044	0.0038
RSD %	0	600	0.9	4.7	52.4	183.3	131

	Ti	Tl	V	Zn
Conc Mean	0.0013	< -0.0133	< -0.0057	0.0094
Std Dev	0.0000	0.0002	0.0001	0.0002
RSD %	0	1.5	1.8	2.1

Lab Id: **I-ICSAB** Measure Date: **9/27/2013 7:38:42 PM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
						ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	0.2961	30.05	1.000	0.5173	0.3036	0.0993	149.6
Std Dev	0.0028	0.1837	0.0109	0.0032	0.0015	0.0010	1.244
RSD %	0.9	0.6	1.1	0.6	0.5	1	0.8

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.2896	0.2935	0.2874	0.3038	127.2	20.96	75.66
Std Dev	0.0026	0.0021	0.0027	0.0025	1.672	0.2773	0.6600
RSD %	0.9	0.7	0.9	0.8	1.3	1.3	0.9

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	0.1940	0.3023	25.65	0.2822	0.9429	1.033	0.5084
Std Dev	0.0013	0.0031	0.4027	0.0012	0.0108	0.0061	0.0027
RSD %	0.7	1	1.6	0.4	1.1	0.6	0.5

	Ti	Tl	V	Zn
Conc Mean	1.012	0.9722	0.2903	0.2991
Std Dev	0.0063	0.0084	0.0013	0.0017
RSD %	0.6	0.9	0.4	0.6

Lab Id: **CCV** Measure Date: **9/27/2013 7:44:27 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
	1	1	100	1	1.000	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	0.2500	1.001	1.043	1.006	1.012	1.013	1.021
Std Dev	0.0014	0.0013	0.0061	0.0152	0.0029	0.0026	0.0067
RSD %	0.6	0.1	0.6	1.5	0.3	0.3	0.7

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	1.030	1.034	1.010	1.020	1.030	5.146	1.037
Std Dev	0.0121	0.0119	0.0136	0.0056	0.0128	0.0491	0.0104
RSD %	1.2	1.2	1.3	0.5	1.2	1	1

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	1.023	1.035	5.321	1.012	1.015	1.036	1.018
Std Dev	0.0128	0.0105	0.0670	0.0086	0.0175	0.0097	0.0069
RSD %	1.3	1	1.3	0.8	1.7	0.9	0.7

	Ti	Tl	V	Zn
Conc Mean	1.006	1.036	1.019	1.025
Std Dev	0.0012	0.0093	0.0045	0.0102
RSD %	0.1	0.9	0.4	1

Lab Id: **CCB** Measure Date: **9/27/2013 7:47:20 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
	1	1	100	1	1.000	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.0002	< 0.0007	-0.0006	0.0001	-0.0004	-0.0006	0.0014
Std Dev	0.0004	0.0000	0.0004	0.0002	0.0000	0.0000	0.0005
RSD %	200	0	66.7	200	0	0	35.7

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.0005	-0.0004	-0.0005	> 0.0078	0.0043	0.0051	-0.0008
Std Dev	0.0000	0.0001	0.0001	0.0126	0.0002	0.0012	0.0000
RSD %	0	25	20	161.5	4.7	23.5	0

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	-0.0004	0.0011	-0.0099	0.0000	-0.0006	0.0020	0.0002
Std Dev	0.0000	0.0004	0.0105	0.0004	0.0003	0.0007	0.0005
RSD %	0	36.4	106.1		50	35	250

	Ti	Tl	V	Zn
Conc Mean	0.0025	0.0002	-0.0004	0.0001
Std Dev	0.0002	0.0005	0.0002	0.0001
RSD %	8	250	50	100

Lab Id: **-** Measure Date: **9/27/2013 7:50:12 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SQ-BLK	0.75	50	100	1	66.67	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.0237	0.1873	-0.1129	0.1028	-0.0278	-0.0503	0.4121
Std Dev	0.0332	0.0182	0.0382	0.0062	0.0024	0.0030	0.0396
RSD %	140.1	9.7	33.8	6	8.6	6	9.6

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.0244	-0.0434	-0.0140	-0.0242	3.048	2.309	-0.0047
Std Dev	0.0012	0.0084	0.0057	0.0038	0.4699	0.0812	0.0014
RSD %	4.9	19.4	40.7	15.7	15.4	3.5	29.8

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	-0.0189	-0.0134	-3.655	-0.0040	-0.0139	-0.0653	0.0539
Std Dev	0.0042	0.0079	0.1757	0.0223	0.0284	0.0364	0.0044
RSD %	22.2	59	4.8	557.5	204.3	55.7	8.2

	Ti	Tl	V	Zn
Conc Mean	0.2922	-0.1863	-0.0399	0.0673
Std Dev	0.0101	0.0241	0.0646	0.0090
RSD %	3.5	12.9	161.9	13.4

Lab Id: **-** Measure Date: **9/27/2013 7:53:05 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SQ-BLK	0.75	50	100	1	66.67	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< 0.0054	0.5510	-0.1367	0.1217	-0.0259	-0.0510	0.8870
Std Dev	0.0110	0.0205	0.0271	0.0121	0.0033	0.0015	0.0280
RSD %	203.7	3.7	19.8	9.9	12.7	2.9	3.2

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.0225	-0.0333	-0.0124	0.0413	2.303	2.817	0.0898
Std Dev	0.0011	0.0124	0.0106	0.0057	0.1136	0.0465	0.0021
RSD %	4.9	37.2	85.5	13.8	4.9	1.7	2.3

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	-0.0203	-0.0424	-3.164	0.0142	-0.0176	-0.1230	-0.0068
Std Dev	0.0024	0.0056	0.0431	0.0261	0.0242	0.0160	0.0678
RSD %	11.8	13.2	1.4	183.8	137.5	13	997.1

	Ti	Tl	V	Zn
Conc Mean	0.1408	-0.1823	-0.0306	0.1082
Std Dev	0.0017	0.0233	0.0220	0.0031
RSD %	1.2	12.8	71.9	2.9

Lab Id: **BF45197 - LCS** Measure Date: **9/27/2013 7:55:57 PM**
Client Id: **FM-1 - LCS**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SQ-SPK	0.256	50	100	10	1953	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	61.32	9182	191.2	115.6	148.1	102.7	6086
Std Dev	0.8056	77.88	3.908	1.405	1.281	1.271	54.18
RSD %	1.3	0.8	2	1.2	0.9	1.2	0.9

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	63.61	175.5	129.1	83.69	13970	3047	2819
Std Dev	0.5829	1.930	3.008	0.9561	111.1	37.04	38.88
RSD %	0.9	1.1	2.3	1.1	0.8	1.2	1.4

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	291.0	46.55	372.1	138.2	143.0	146.0	89.68
Std Dev	2.713	0.7234	13.13	0.6689	1.065	0.4308	2.737
RSD %	0.9	1.6	3.5	0.5	0.7	0.3	3.1

	Ti	Tl	V	Zn
Conc Mean	346.8	140.1	111.6	215.4
Std Dev	2.540	3.810	1.077	2.372
RSD %	0.7	2.7	1	1.1

Lab Id: **BF45197 - LCSD** Measure Date: **9/27/2013 7:58:49 PM**
Client Id: **FM-1 - LCSD**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SQ-SPD	0.266	50	100	10	1880	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	64.88	9844	210.1	122.3	162.5	108.7	6579
Std Dev	0.7301	105.3	2.895	0.1910	0.8793	0.3911	36.09
RSD %	1.1	1.1	1.4	0.2	0.5	0.4	0.5

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	66.92	185.4	135.4	86.47	15830	3385	3038
Std Dev	0.2879	0.3591	0.9185	0.6137	12.24	17.25	6.011
RSD %	0.4	0.2	0.7	0.7	0.1	0.5	0.2

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	324.1	48.25	435.6	144.4	155.3	151.5	97.60
Std Dev	1.845	0.4955	5.730	0.3799	1.259	2.264	0.9072
RSD %	0.6	1	1.3	0.3	0.8	1.5	0.9

	Ti	Tl	V	Zn
Conc Mean	342.7	150.2	119.1	229.0
Std Dev	0.8141	1.585	1.478	0.6529
RSD %	0.2	1.1	1.2	0.3

Lab Id: **-** Measure Date: **9/27/2013 8:01:41 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SQ-DUP	0.71	50	95	10	741.3	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< 0.0692	2574	3.065	1.983	11.64	-0.3758	366.5
Std Dev	0.2061	18.90	0.0961	0.1647	0.0678	0.0321	2.571
RSD %	297.8	0.7	3.1	8.3	0.6	8.5	0.7

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.0110	0.7215	6.729	5.943	7937	208.7	253.4
Std Dev	0.0134	0.0586	0.0607	0.2380	132.2	1.140	2.793
RSD %	121.8	8.1	0.9	4	1.7	0.5	1.1

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	31.35	-0.3428	-9.907	2.989	13.48	0.1959	0.5900
Std Dev	0.4101	0.0762	2.788	0.1584	1.400	0.8174	0.6262
RSD %	1.3	22.2	28.1	5.3	10.4	417.3	106.1

	Ti	Tl	V	Zn
Conc Mean	54.93	-1.875	9.254	21.55
Std Dev	0.2465	0.1976	0.9485	0.2920
RSD %	0.4	10.5	10.2	1.4

Lab Id: **BF45197** Measure Date: **9/27/2013 8:04:33 PM**
Client Id: **FM-1**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SS-S09	0.73	50	95	10	721.0	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.3862	1789	1.475	0.8138	7.107	-0.4738	168.8
Std Dev	0.2121	2.574	0.1626	0.0743	0.0633	0.0105	1.491
RSD %	54.9	0.1	11	9.1	0.9	2.2	0.9

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.1921	0.7067	3.463	3.788	3133	160.5	202.6
Std Dev	0.0122	0.1454	0.0552	0.2231	33.14	2.381	1.030
RSD %	6.4	20.6	1.6	5.9	1.1	1.5	0.5

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	22.91	-0.4971	-4.619	2.221	13.41	-0.4767	0.0137
Std Dev	0.2044	0.0650	2.752	0.1846	2.139	0.0958	0.3581
RSD %	0.9	13.1	59.6	8.3	16	20.1	2613.9

	Ti	Tl	V	Zn
Conc Mean	42.74	-1.204	4.066	15.72
Std Dev	0.4014	0.1940	0.1334	0.0880
RSD %	0.9	16.1	3.3	0.6

Lab Id: **BF45197 - MS** Measure Date: **9/27/2013 8:07:26 PM**
Client Id: **FM-1 - MS**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SQ-MSX	0.73	50	95	10	721.0	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	34.09	3018	277.7	138.7	151.7	140.1	333.3
Std Dev	0.5185	25.87	5.568	2.667	1.603	2.119	5.167
RSD %	1.5	0.9	2	1.9	1.1	1.5	1.6

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	139.3	139.5	147.0	141.8	7337	1016	381.4
Std Dev	2.148	2.434	2.319	1.353	85.97	5.763	5.350
RSD %	1.5	1.7	1.6	1	1.2	0.6	1.4

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	159.9	134.8	144.3	136.4	290.8	274.8	127.0
Std Dev	2.095	2.037	4.025	1.756	2.503	3.895	2.471
RSD %	1.3	1.5	2.8	1.3	0.9	1.4	1.9

	Ti	Tl	V	Zn
Conc Mean	192.6	703.4	144.5	153.0
Std Dev	3.089	11.36	2.193	1.611
RSD %	1.6	1.6	1.5	1.1

Lab Id: **BF45197 - MSD** Measure Date: **9/27/2013 8:10:19 PM**
Client Id: **FM-1 - MSD**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SQ-MSD	0.82	50	95	10	641.8	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	30.15	2175	244.9	121.6	133.7	124.9	257.8
Std Dev	0.4711	14.15	3.824	0.5753	0.8627	0.6045	2.429
RSD %	1.6	0.7	1.6	0.5	0.6	0.5	0.9

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	123.3	123.4	125.7	125.6	1939	884.6	312.7
Std Dev	0.7642	0.8098	0.6851	0.8302	13.71	1.057	1.050
RSD %	0.6	0.7	0.5	0.7	0.7	0.1	0.3

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	139.9	120.7	135.2	120.2	257.1	244.9	111.9
Std Dev	0.2745	1.290	1.268	1.273	0.4266	1.646	2.760
RSD %	0.2	1.1	0.9	1.1	0.2	0.7	2.5

	Ti	Tl	V	Zn
Conc Mean	167.5	627.4	124.2	134.2
Std Dev	1.222	3.272	1.868	1.497
RSD %	0.7	0.5	1.5	1.1

Lab Id: **BF45199** Measure Date: **9/27/2013 8:13:11 PM**
Client Id: **FM-2**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SS-S10	0.85	50	94	10	625.8	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.0951	2256	4.948	2.078	113.0	-0.3029	3026
Std Dev	0.0190	7.072	0.2250	0.0874	0.3886	0.0322	16.20
RSD %	20	0.3	4.5	4.2	0.3	10.6	0.5

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.2738	1.173	10.45	10.45	8988	156.3	560.5
Std Dev	0.0149	0.1058	0.3708	0.0755	39.49	2.128	0.5231
RSD %	5.4	9	3.5	0.7	0.4	1.4	0.1

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	32.66	0.1966	25.75	3.382	197.0	0.8844	0.3036
Std Dev	0.1393	0.1335	2.720	0.1840	0.7935	0.5047	0.3166
RSD %	0.4	67.9	10.6	5.4	0.4	57.1	104.3

	Ti	Tl	V	Zn
Conc Mean	80.99	-1.531	9.834	115.8
Std Dev	1.164	0.2132	0.1049	0.7354
RSD %	1.4	13.9	1.1	0.6

Lab Id: **BF45201** Measure Date: **9/27/2013 8:16:04 PM**
Client Id: **FM-3**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SS-S11	0.73	50	95	10	721.0	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.1255	3519	5.830	1.875	11.63	-0.3763	1626
Std Dev	0.3266	28.94	0.4377	0.2839	0.0905	0.0196	3.481
RSD %	260.2	0.8	7.5	15.1	0.8	5.2	0.2

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.1865	1.590	11.27	5.478	11550	189.5	1216
Std Dev	0.0239	0.1382	0.4369	0.0207	32.75	5.280	8.554
RSD %	12.8	8.7	3.9	0.4	0.3	2.8	0.7

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	50.75	-0.2240	-1.124	6.430	59.71	0.2191	1.211
Std Dev	0.1451	0.1285	2.721	0.2750	0.9602	0.6411	0.6815
RSD %	0.3	57.4	242.1	4.3	1.6	292.6	56.3

	Ti	Tl	V	Zn
Conc Mean	82.34	-1.803	12.25	22.38
Std Dev	0.5198	0.4681	0.3025	0.1503
RSD %	0.6	26	2.5	0.7

Lab Id: **CCV** Measure Date: **9/27/2013 8:18:57 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
	1	1	100	1	1.000	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	0.2522	1.003	1.048	1.010	1.003	1.024	1.031
Std Dev	0.0023	0.0150	0.0184	0.0118	0.0052	0.0050	0.0096
RSD %	0.9	1.5	1.8	1.2	0.5	0.5	0.9

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	1.040	1.040	1.018	1.019	1.035	5.077	1.038
Std Dev	0.0084	0.0106	0.0068	0.0044	0.0224	0.0698	0.0032
RSD %	0.8	1	0.7	0.4	2.2	1.4	0.3

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	1.024	1.042	5.178	1.023	1.027	1.045	1.033
Std Dev	0.0218	0.0088	0.0721	0.0070	0.0098	0.0126	0.0095
RSD %	2.1	0.8	1.4	0.7	1	1.2	0.9

	Ti	Tl	V	Zn
Conc Mean	1.013	1.042	1.021	1.028
Std Dev	0.0098	0.0067	0.0058	0.0152
RSD %	1	0.6	0.6	1.5

Lab Id: **CCB** Measure Date: **9/27/2013 8:21:50 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
	1	1	100	1	1.000	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< 0.0001	< 0.0003	-0.0009	0.0001	-0.0003	-0.0006	0.0014
Std Dev	0.0002	0.0004	0.0006	0.0002	0.0000	0.0000	0.0004
RSD %	200	133.3	66.7	200	0	0	28.6

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.0004	-0.0001	-0.0005	-0.0003	0.0044	-0.0039	-0.0008
Std Dev	0.0000	0.0001	0.0001	0.0005	0.0002	0.0003	0.0000
RSD %	0	100	20	166.7	4.5	7.7	0

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	-0.0004	0.0011	-0.0285	0.0000	-0.0002	0.0026	0.0010
Std Dev	0.0000	0.0005	0.0042	0.0004	0.0006	0.0007	0.0005
RSD %	0	45.5	14.7		300	26.9	50

	Ti	Tl	V	Zn
Conc Mean	0.0026	-0.0002	-0.0006	0.0001
Std Dev	0.0002	0.0003	0.0003	0.0000
RSD %	7.7	150	50	0

Lab Id: **BF45203** Measure Date: **9/27/2013 8:24:42 PM**
Client Id: **FM-4**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SS-S12	0.76	50	98	10	671.3	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< 0.1072	1001	1.714	1.112	4.303	-0.3456	97.44
Std Dev	0.1274	3.606	0.2150	0.2125	0.0344	0.0207	0.2810
RSD %	118.8	0.4	12.5	19.1	0.8	6	0.3

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.1077	0.3906	3.268	1.772	5017	59.28	96.75
Std Dev	0.0092	0.0306	0.0396	0.0333	73.55	0.4814	0.9403
RSD %	8.5	7.8	1.2	1.9	1.5	0.8	1

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	14.06	-0.1633	-10.89	1.862	10.03	0.8061	-0.1757
Std Dev	0.2327	0.0484	1.460	0.1863	1.074	0.4669	0.4317
RSD %	1.7	29.6	13.4	10	10.7	57.9	245.7

	Ti	Tl	V	Zn
Conc Mean	23.96	-1.127	4.137	8.529
Std Dev	0.1011	0.0698	0.0287	0.1182
RSD %	0.4	6.2	0.7	1.4

Lab Id: **BF45205** Measure Date: **9/27/2013 8:27:34 PM**
Client Id: **FM-5**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SS-S13	0.77	50	95	10	683.5	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.2556	1576	2.344	1.687	60.86	-0.4045	2285
Std Dev	0.2139	3.906	0.4397	0.4166	0.2289	0.0146	15.53
RSD %	83.7	0.2	18.8	24.7	0.4	3.6	0.7

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.0383	0.5449	5.111	5.911	4764	114.7	341.8
Std Dev	0.0121	0.1447	0.0882	0.1098	29.11	3.147	1.495
RSD %	31.6	26.6	1.7	1.9	0.6	2.7	0.4

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	38.00	-0.2728	13.18	2.730	144.7	-0.0123	0.2020
Std Dev	0.2559	0.0304	3.301	0.0738	0.3687	0.6352	0.4611
RSD %	0.7	11.1	25	2.7	0.3	5164.2	228.3

	Ti	Tl	V	Zn
Conc Mean	48.59	-1.412	6.640	79.05
Std Dev	0.1571	0.4172	0.1767	0.5733
RSD %	0.3	29.5	2.7	0.7

Lab Id: **BF45207** Measure Date: **9/27/2013 8:30:26 PM**
Client Id: **FM-6**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SS-S14	0.74	50	96	10	703.8	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< 0.0445	1778	2.358	1.307	30.49	-0.4078	614.7
Std Dev	0.2067	13.05	0.3172	0.1299	0.1633	0.0041	5.051
RSD %	464.5	0.7	13.5	9.9	0.5	1	0.8

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.0475	0.4573	8.579	4.024	5657	93.82	196.8
Std Dev	0.0107	0.2014	0.0501	0.1119	21.36	0.6065	0.6145
RSD %	22.5	44	0.6	2.8	0.4	0.6	0.3

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	20.34	-0.2905	-5.203	3.416	65.82	0.2256	0.2862
Std Dev	0.1018	0.0228	1.811	0.1080	0.7229	0.4454	0.1684
RSD %	0.5	7.8	34.8	3.2	1.1	197.4	58.8

	Ti	Tl	V	Zn
Conc Mean	47.76	-1.529	7.314	36.33
Std Dev	0.4203	0.3470	0.4749	0.1087
RSD %	0.9	22.7	6.5	0.3

Lab Id: **BF45209** Measure Date: **9/27/2013 8:33:17 PM**
Client Id: **FM-7**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SS-S15	0.78	50	94	10	681.9	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.2244	1772	2.019	1.907	64.60	-0.4262	2042
Std Dev	0.1780	16.61	0.3605	0.1046	0.3029	0.0118	22.95
RSD %	79.3	0.9	17.9	5.5	0.5	2.8	1.1

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.0350	0.7580	4.693	6.614	5719	127.8	351.6
Std Dev	0.0101	0.1386	0.1224	0.1444	59.66	0.6890	3.528
RSD %	28.9	18.3	2.6	2.2	1	0.5	1

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	26.54	-0.2887	34.14	2.583	131.0	-0.0427	-0.1059
Std Dev	0.2470	0.1022	3.126	0.1109	2.102	0.0612	0.1805
RSD %	0.9	35.4	9.2	4.3	1.6	143.3	170.4

	Ti	Tl	V	Zn
Conc Mean	52.78	-1.309	7.311	74.34
Std Dev	0.7697	0.1412	0.5329	0.1071
RSD %	1.5	10.8	7.3	0.1

Lab Id: **BF45211** Measure Date: **9/27/2013 8:36:10 PM**
Client Id: **FM-8**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SS-S16	0.72	50	96	10	723.4	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.3169	1033	2.243	0.7929	20.60	-0.4723	642.9
Std Dev	0.0680	10.03	0.3235	0.1172	0.0115	0.0017	5.652
RSD %	21.5	1	14.4	14.8	0.1	0.4	0.9

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.1703	0.2230	8.256	2.152	4154	91.21	204.1
Std Dev	0.0087	0.2820	0.0563	0.3359	13.25	0.2440	1.156
RSD %	5.1	126.5	0.7	15.6	0.3	0.3	0.6

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	12.46	-0.4625	-2.576	1.906	39.35	-0.1650	0.2522
Std Dev	0.0608	0.0439	2.353	0.0535	1.444	0.3710	0.3826
RSD %	0.5	9.5	91.3	2.8	3.7	224.8	151.7

	Ti	Tl	V	Zn
Conc Mean	30.27	-1.111	6.958	25.56
Std Dev	0.5057	0.4208	0.2561	0.2942
RSD %	1.7	37.9	3.7	1.2

Lab Id: **BF45213** Measure Date: **9/27/2013 8:39:02 PM**
Client Id: **FM-9**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SS-S17	0.79	50	94	10	673.3	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.2617	5940	1.829	3.426	30.54	-0.2726	7707
Std Dev	0.2642	57.23	0.3784	0.1868	0.2750	0.0052	39.59
RSD %	101	1	20.7	5.5	0.9	1.9	0.5

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.3480	7.277	13.49	26.03	13200	781.1	2760
Std Dev	0.0122	0.0927	0.2867	0.2236	133.4	4.920	31.45
RSD %	3.5	1.3	2.1	0.9	1	0.6	1.1

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	188.0	0.5264	213.1	33.16	21.05	0.2660	0.5693
Std Dev	0.7346	0.0624	1.941	0.2919	0.4600	0.6248	1.364
RSD %	0.4	11.9	0.9	0.9	2.2	234.9	239.6

	Ti	Tl	V	Zn
Conc Mean	371.1	-2.659	24.72	158.2
Std Dev	2.742	1.184	0.7468	1.665
RSD %	0.7	44.5	3	1.1

Phoenix Environmental Laboratories | ICP Data | Instrument: BLUE

Print Date: 10/3/2013 4:53:39 PM | **GBF45197 - SOIL** | Method Name: Blue 10

Lab Id: **BF45215** Measure Date: **9/27/2013 8:41:53 PM**

Client Id: **DUPLICATE**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SS-S18	0.75	50	96	10	694.4	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< 0.0972	1689	2.106	1.529	55.94	-0.4305	2134
Std Dev	0.2590	4.462	0.1627	0.1341	0.3797	0.0116	8.909
RSD %	266.5	0.3	7.7	8.8	0.7	2.7	0.4

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.0693	0.5974	5.953	6.366	4025	140.9	420.3
Std Dev	0.0094	0.0688	0.0942	0.0871	13.84	3.045	2.594
RSD %	13.6	11.5	1.6	1.4	0.3	2.2	0.6

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	23.59	-0.3903	17.06	2.573	127.9	-0.2649	0.3225
Std Dev	0.1102	0.0381	3.730	0.2971	1.304	0.3794	1.058
RSD %	0.5	9.8	21.9	11.5	1	143.2	328.1

	Ti	Tl	V	Zn
Conc Mean	60.54	-1.455	7.371	71.12
Std Dev	0.2746	0.1334	0.1921	0.2079
RSD %	0.5	9.2	2.6	0.3

Lab Id: **-** Measure Date: **9/27/2013 8:44:46 PM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
						ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	0.0050	0.0557	0.0193	0.0624	0.0100	0.0043	0.0644
Std Dev	0.0003	0.0003	0.0004	0.0005	0.0002	0.0000	0.0004
RSD %	6	0.5	2.1	0.8	2	0	0.6

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.0040	0.0047	0.0046	0.0052	0.0382	0.5479	0.0519
Std Dev	0.0001	0.0001	0.0001	0.0000	0.0026	0.0086	0.0008
RSD %	2.5	2.1	2.2	0	6.8	1.6	1.5

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	0.0048	0.0488	0.5053	0.0066	0.0097	0.0255	0.0495
Std Dev	0.0001	0.0002	0.0074	0.0003	0.0002	0.0010	0.0014
RSD %	2.1	0.4	1.5	4.5	2.1	3.9	2.8

	Ti	Tl	V	Zn
Conc Mean	0.0502	0.0192	0.0101	0.0127
Std Dev	0.0004	0.0007	0.0007	0.0002
RSD %	0.8	3.6	6.9	1.6

Lab Id: **-** Measure Date: **9/27/2013 8:47:37 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
						ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< 0.0010	0.0127	0.0034	0.0133	0.0019	0.0003	0.0249
Std Dev	0.0002	0.0022	0.0002	0.0003	0.0000	0.0000	0.0008
RSD %	20	17.3	5.9	2.3	0	0	3.2

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.0005	0.0006	0.0005	0.0014	0.0116	0.1132	0.0105
Std Dev	0.0000	0.0002	0.0000	0.0001	0.0010	0.0014	0.0002
RSD %	0	33.3	0	7.1	8.6	1.2	1.9

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	0.0008	0.0086	0.1311	0.0017	0.0015	0.0050	0.0107
Std Dev	0.0000	0.0004	0.0028	0.0003	0.0002	0.0001	0.0011
RSD %	0	4.7	2.1	17.6	13.3	2	10.3

	Ti	Tl	V	Zn
Conc Mean	0.0105	0.0039	0.0017	0.0040
Std Dev	0.0001	0.0002	0.0003	0.0002
RSD %	1	5.1	17.6	5

Lab Id: **-** Measure Date: **9/27/2013 8:50:29 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
						ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< 0.0002	29.86	-0.0025	0.0068	0.0001	-0.0008	148.4
Std Dev	0.0003	0.1432	0.0007	0.0004	0.0000	0.0000	2.301
RSD %	150	0.5	28	5.9	0	0	1.6

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.0052	0.0022	-0.0006	0.0005	123.7	0.0026	74.32
Std Dev	0.0001	0.0003	0.0003	0.0002	1.122	0.0001	0.7228
RSD %	1.9	13.6	50	40	0.9	3.8	1

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	0.0013	0.0000	26.47	0.0038	0.0039	-0.0057	-0.0033
Std Dev	0.0001	0.0002	0.1758	0.0003	0.0034	0.0041	0.0048
RSD %	7.7		0.7	7.9	87.2	71.9	145.5

	Ti	Tl	V	Zn
Conc Mean	0.0004	< -0.0128	< -0.0050	0.0096
Std Dev	0.0000	0.0004	0.0005	0.0001
RSD %	0	3.1	10	1

Lab Id: **CCV** Measure Date: **9/27/2013 8:53:22 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
	1	1	100	1	1.000	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	0.2474	0.9887	1.029	1.000	1.003	1.011	1.011
Std Dev	0.0042	0.0030	0.0015	0.0046	0.0043	0.0058	0.0066
RSD %	1.7	0.3	0.1	0.5	0.4	0.6	0.7

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	1.005	1.017	0.9918	1.011	1.035	5.204	1.015
Std Dev	0.0068	0.0049	0.0072	0.0149	0.0052	0.0693	0.0041
RSD %	0.7	0.5	0.7	1.5	0.5	1.3	0.4

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	1.007	1.021	5.285	0.9904	0.9897	1.020	1.006
Std Dev	0.0070	0.0018	0.0619	0.0096	0.0051	0.0030	0.0021
RSD %	0.7	0.2	1.2	1	0.5	0.3	0.2

	Ti	Tl	V	Zn
Conc Mean	0.9963	1.024	1.005	1.006
Std Dev	0.0016	0.0062	0.0103	0.0053
RSD %	0.2	0.6	1	0.5

Lab Id: **CCB** Measure Date: **9/27/2013 8:56:15 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
	1	1	100	1	1.000	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.0003	< 0.0009	-0.0002	-0.0001	-0.0003	-0.0005	0.0035
Std Dev	0.0003	0.0003	0.0004	0.0001	0.0000	0.0000	0.0003
RSD %	100	33.3	200	100	0	0	8.6

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.0004	-0.0005	-0.0005	-0.0004	> 0.0120	-0.0047	0
Std Dev	0.0000	0.0003	0.0000	0.0001	0.0010	0.0005	0.0001
RSD %	0	60	0	25	8.3	10.6	

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	-0.0003	0.0011	-0.0176	0.0000	-0.0006	0.0028	0.0002
Std Dev	0.0001	0.0004	0.0029	0.0004	0.0003	0.0002	0.0005
RSD %	33.3	36.4	16.5		50	7.1	250

	Ti	Tl	V	Zn
Conc Mean	0.0022	0.0002	0.0000	0.0001
Std Dev	0.0002	0.0001	0.0004	0.0001
RSD %	9.1	50		100

Lab Id: **-** Measure Date: **9/27/2013 8:59:07 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
						ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	0.2909	29.65	0.9846	0.5093	0.2988	0.0985	148.0
Std Dev	0.0013	0.2603	0.0019	0.0038	0.0027	0.0006	1.068
RSD %	0.4	0.9	0.2	0.7	0.9	0.6	0.7

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.2840	0.2889	0.2808	0.2989	123.3	21.37	74.06
Std Dev	0.0008	0.0010	0.0013	0.0032	0.8403	0.0737	0.6660
RSD %	0.3	0.3	0.5	1.1	0.7	0.3	0.9

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	0.1908	0.2978	26.05	0.2766	0.9249	1.017	0.5011
Std Dev	0.0006	0.0019	0.2992	0.0007	0.0028	0.0094	0.0009
RSD %	0.3	0.6	1.1	0.3	0.3	0.9	0.2

	Ti	Tl	V	Zn
Conc Mean	0.9982	0.9488	0.2879	0.2952
Std Dev	0.0069	0.0056	0.0038	0.0014
RSD %	0.7	0.6	1.3	0.5

Lab Id: **-** Measure Date: **9/27/2013 9:02:00 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
						ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< 0.0002	0.0263	0.0005	0.0004	-0.0002	-0.0006	0.1383
Std Dev	0.0004	0.0038	0.0011	0.0002	0.0000	0.0000	0.0128
RSD %	200	14.4	220	50	0	0	9.3

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.0004	-0.0005	-0.0005	0.0002	0.0927	0.0182	0.0258
Std Dev	0.0001	0.0001	0.0002	0.0001	0.0243	0.0012	0.0093
RSD %	25	20	40	50	26.2	6.6	36

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	-0.0003	0.0003	-0.0339	0.0009	0.0003	0.0012	0.0007
Std Dev	0.0000	0.0003	0.0011	0.0002	0.0009	0.0005	0.0009
RSD %	0	100	3.2	22.2	300	41.7	128.6

	Ti	Tl	V	Zn
Conc Mean	0.0037	-0.0006	-0.0001	0.0003
Std Dev	0.0004	0.0003	0.0009	0.0001
RSD %	10.8	50	900	33.3

Lab Id: **-** Measure Date: **9/27/2013 9:04:53 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
						ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< 0.0000	0.0032	-0.0008	-0.0001	-0.0004	-0.0008	0.0172
Std Dev	0.0003	0.0010	0.0003	0.0000	0.0000	0.0000	0.0022
RSD %		31.3	37.5	0	0	0	12.8

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.0005	-0.0007	-0.0006	-0.0005	0.0254	-0.0038	0.0004
Std Dev	0.0000	0.0000	0.0001	0.0003	0.0058	0.0003	0.0012
RSD %	0	0	16.7	60	22.8	7.9	300

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	-0.0004	-0.0006	-0.0643	-0.0001	-0.0005	-0.0003	0.0001
Std Dev	0.0000	0.0000	0.0009	0.0003	0.0002	0.0006	0.0011
RSD %	0	0	1.4	300	40	200	1100

	Ti	Tl	V	Zn
Conc Mean	0.0008	-0.0011	-0.0004	-0.0001
Std Dev	0.0001	0.0001	0.0004	0.0000
RSD %	12.5	9.1	100	0

Lab Id: **-** Measure Date: **9/27/2013 9:07:45 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
						ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< 0.0000	< 0.0017	-0.0012	0.0000	-0.0005	-0.0008	0.0071
Std Dev	0.0002	0.0009	0.0006	0.0001	0.0000	0.0000	0.0011
RSD %		52.9	50		0	0	15.5

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.0005	-0.0005	-0.0005	-0.0003	0.0152	-0.0067	-0.0008
Std Dev	0.0000	0.0001	0.0000	0.0002	0.0027	0.0005	0.0005
RSD %	0	20	0	66.7	17.8	7.5	62.5

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	-0.0004	-0.0007	-0.0656	-0.0006	-0.0010	-0.0010	-0.0005
Std Dev	0.0000	0.0000	0.0007	0.0003	0.0002	0.0003	0.0006
RSD %	0	0	1.1	50	20	30	120

	Ti	Tl	V	Zn
Conc Mean	0.0004	-0.0008	-0.0009	-0.0003
Std Dev	0.0001	0.0000	0.0002	0.0001
RSD %	25	0	22.2	33.3

Lab Id: **-** Measure Date: **9/27/2013 9:10:37 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
						ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.0001	< 0.0011	-0.0017	0.0000	-0.0005	-0.0008	0.0040
Std Dev	0.0003	0.0005	0.0003	0.0001	0.0000	0.0000	0.0003
RSD %	300	45.5	17.6		0	0	7.5

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.0005	-0.0004	-0.0006	-0.0002	0.0106	-0.0080	-0.0011
Std Dev	0.0000	0.0001	0.0002	0.0002	0.0017	0.0007	0.0002
RSD %	0	25	33.3	100	16	8.8	18.2

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	-0.0004	-0.0008	-0.0705	0.0002	-0.0008	-0.0003	-0.0007
Std Dev	0.0000	0.0001	0.0002	0.0004	0.0003	0.0005	0.0003
RSD %	0	12.5	0.3	200	37.5	166.7	42.9

	Ti	Tl	V	Zn
Conc Mean	0.0001	-0.0008	-0.0010	-0.0003
Std Dev	0.0000	0.0001	0.0004	0.0000
RSD %	0	12.5	40	0

Lab Id: **BF45197 - BLK** Measure Date: **9/27/2013 9:13:29 PM**
Client Id: **FM-1 - BLK**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SQ-BLK	0.75	50	100	1	66.67	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.0061	0.2003	-0.1391	0.0803	-0.0318	-0.0511	0.3876
Std Dev	0.0092	0.0186	0.0247	0.0085	0.0013	0.0032	0.0107
RSD %	150.8	9.3	17.8	10.6	4.1	6.3	2.8

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.0239	-0.0501	-0.0156	-0.0043	2.116	2.015	-0.0054
Std Dev	0.0007	0.0208	0.0043	0.0183	0.1829	0.0766	0.0004
RSD %	2.9	41.5	27.6	425.6	8.6	3.8	7.4

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	-0.0146	-0.0545	-4.463	0.0292	-0.0498	-0.1128	-0.0022
Std Dev	0.0014	0.0007	0.2265	0.0438	0.0390	0.0223	0.0449
RSD %	9.6	1.3	5.1	150	78.3	19.8	2040.9

	Ti	Tl	V	Zn
Conc Mean	0.0614	-0.2016	-0.0346	0.0169
Std Dev	0.0022	0.0314	0.0117	0.0003
RSD %	3.6	15.6	33.8	1.8

Lab Id: **BF45197 - LCS** Measure Date: **9/27/2013 9:16:21 PM**
Client Id: **FM-1 - LCS**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SQ-SPK	0.256	50	100	1	195.3	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	53.58	> 8729	174.4	104.0	140.5	96.51	5516
Std Dev	1.258	87.63	3.756	1.650	1.732	1.484	120.1
RSD %	2.3	1	2.2	1.6	1.2	1.5	2.2

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	55.97	160.9	120.5	79.84	12790	3018	2477
Std Dev	0.6146	2.445	1.531	2.002	223.6	36.90	34.04
RSD %	1.1	1.5	1.3	2.5	1.7	1.2	1.4

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	266.5	45.64	498.6	122.1	126.7	130.7	76.94
Std Dev	5.053	0.6065	5.657	2.297	3.018	0.8900	1.968
RSD %	1.9	1.3	1.1	1.9	2.4	0.7	2.6

	Ti	Tl	V	Zn
Conc Mean	326.7	133.5	99.53	186.8
Std Dev	4.854	2.154	2.326	3.001
RSD %	1.5	1.6	2.3	1.6

Lab Id: **BF45197 - LCSD** Measure Date: **9/27/2013 9:19:13 PM**
Client Id: **FM-1 - LCSD**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SQ-SPD	0.266	50	100	1	188.0	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	60.72	> 9552	195.7	114.8	160.6	102.9	6286
Std Dev	1.491	114.7	3.882	2.387	3.548	1.909	103.5
RSD %	2.5	1.2	2	2.1	2.2	1.9	1.6

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	61.07	176.5	130.5	87.44	15070	3300	2800
Std Dev	1.341	3.847	3.007	2.480	324.9	38.29	56.96
RSD %	2.2	2.2	2.3	2.8	2.2	1.2	2

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	308.6	49.26	545.9	131.9	141.5	145.6	87.47
Std Dev	6.689	0.9752	5.227	2.679	2.748	3.782	2.946
RSD %	2.2	2	1	2	1.9	2.6	3.4

	Ti	Tl	V	Zn
Conc Mean	337.7	149.2	112.5	208.2
Std Dev	7.422	3.783	2.900	4.334
RSD %	2.2	2.5	2.6	2.1

Lab Id: **BF45197 - DUP** Measure Date: **9/27/2013 9:22:05 PM**
Client Id: **FM-1 - DUP**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SQ-DUP	0.71	50	95	1	74.13	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.0158	2455	3.584	0.6958	11.89	0.1357	343.2
Std Dev	0.0204	39.88	0.0049	0.0579	0.1894	0.0033	5.538
RSD %	129.1	1.6	0.1	8.3	1.6	2.4	1.6

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.3383	1.194	6.641	5.124	7698	227.1	228.8
Std Dev	0.0044	0.0220	0.1175	0.0684	63.85	0.4841	3.927
RSD %	1.3	1.8	1.8	1.3	0.8	0.2	1.7

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	30.57	0.1502	4.445	3.016	13.39	-0.3258	0.1118
Std Dev	0.2761	0.0160	0.1675	0.0535	0.1442	0.0673	0.4095
RSD %	0.9	10.7	3.8	1.8	1.1	20.7	366.3

	Ti	Tl	V	Zn
Conc Mean	54.44	< -1.134	8.814	18.94
Std Dev	0.9156	0.0634	0.1002	0.2200
RSD %	1.7	5.6	1.1	1.2

Lab Id: **BF45197** Measure Date: **9/27/2013 9:24:57 PM**
Client Id: **FM-1**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SS-S09	0.73	50	95	1	72.10	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.0225	1783	1.501	0.4500	7.672	0.0294	163.5
Std Dev	0.0174	30.45	0.0312	0.0360	0.1515	0.0015	1.465
RSD %	77.3	1.7	2.1	8	2	5.1	0.9

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.1257	0.9526	3.691	4.199	3326	177.5	197.1
Std Dev	0.0047	0.0153	0.0139	0.0455	27.76	0.7282	1.202
RSD %	3.7	1.6	0.4	1.1	0.8	0.4	0.6

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	24.05	0.0797	2.094	2.463	12.59	0.0583	0.7599
Std Dev	0.1029	0.0212	0.0430	0.0553	0.0878	0.0377	0.1192
RSD %	0.4	26.6	2.1	2.2	0.7	64.7	15.7

	Ti	Tl	V	Zn
Conc Mean	44.59	-0.5942	4.459	14.91
Std Dev	0.7310	0.0694	0.0998	0.1071
RSD %	1.6	11.7	2.2	0.7

Lab Id: **BF45197 - MS** Measure Date: **9/27/2013 9:27:48 PM**
Client Id: **FM-1 - MS**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SQ-MSX	0.73	50	95	1	72.10	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	32.31	> 3021	> 266.1	133.7	159.7	133.8	315.3
Std Dev	0.1324	46.63	3.080	1.524	0.6470	1.953	3.961
RSD %	0.4	1.5	1.2	1.1	0.4	1.5	1.3

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	131.2	136.3	> 145.8	> 144.4	7328	986.3	353.3
Std Dev	0.7494	0.8219	1.767	2.202	34.18	15.48	3.947
RSD %	0.6	0.6	1.2	1.5	0.5	1.6	1.1

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	> 157.0	138.7	171.5	137.6	> 273.3	> 268.6	125.1
Std Dev	2.500	0.8893	2.659	1.683	3.563	1.677	1.280
RSD %	1.6	0.6	1.6	1.2	1.3	0.6	1

	Ti	Tl	V	Zn
Conc Mean	> 192.8	> 670.0	140.4	> 145.9
Std Dev	1.024	6.514	1.411	1.001
RSD %	0.5	1	1	0.7

Lab Id: **CCV** Measure Date: **9/27/2013 9:30:41 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
	1	1	100	1	1.000	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	0.2579	1.034	1.074	1.047	1.033	1.047	1.058
Std Dev	0.0015	0.0111	0.0046	0.0086	0.0040	0.0030	0.0059
RSD %	0.6	1.1	0.4	0.8	0.4	0.3	0.6

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	1.061	1.067	1.041	1.050	1.085	5.273	1.065
Std Dev	0.0086	0.0077	0.0107	0.0096	0.0065	0.0250	0.0034
RSD %	0.8	0.7	1	0.9	0.6	0.5	0.3

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	1.052	1.071	5.318	1.051	1.047	1.070	1.054
Std Dev	0.0047	0.0096	0.0116	0.0069	0.0115	0.0054	0.0038
RSD %	0.4	0.9	0.2	0.7	1.1	0.5	0.4

	Ti	Tl	V	Zn
Conc Mean	1.040	1.068	1.044	1.058
Std Dev	0.0114	0.0049	0.0042	0.0046
RSD %	1.1	0.5	0.4	0.4

Lab Id: **CCB** Measure Date: **9/27/2013 9:33:34 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
	1	1	100	1	1.000	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< 0.0003	< 0.0015	-0.0001	0.0005	-0.0001	-0.0003	0.0027
Std Dev	0.0003	0.0003	0.0004	0.0002	0.0000	0.0000	0.0007
RSD %	100	20	400	40	0	0	25.9

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.0003	-0.0002	-0.0003	0.0000	> 0.0143	0.0020	-0.0001
Std Dev	0.0000	0.0003	0.0001	0.0002	0.0008	0.0002	0.0000
RSD %	0	150	33.3		5.6	10	0

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	-0.0002	0.0017	-0.0224	0.0000	0.0006	0.0037	0.0007
Std Dev	0.0000	0.0006	0.0023	0.0004	0.0004	0.0005	0.0011
RSD %	0	35.3	10.3		66.7	13.5	157.1

	Ti	Tl	V	Zn
Conc Mean	0.0043	0.0002	-0.0004	0.0004
Std Dev	0.0003	0.0005	0.0005	0.0001
RSD %	7	250	125	25

Lab Id: **BF45197 - MSD** Measure Date: **9/27/2013 9:36:26 PM**
Client Id: **FM-1 - MSD**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SQ-MSD	0.82	50	95	1	64.18	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	27.99	2100	> 231.9	116.2	140.0	117.8	244.9
Std Dev	0.7437	49.45	6.492	3.259	4.720	2.505	8.691
RSD %	2.7	2.4	2.8	2.8	3.4	2.1	3.5

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	116.5	120.3	122.6	125.1	1989	837.4	287.7
Std Dev	3.952	3.756	3.630	3.010	58.48	5.503	8.284
RSD %	3.4	3.1	3	2.4	2.9	0.7	2.9

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	> 136.7	122.7	154.5	120.7	> 241.0	> 236.8	110.3
Std Dev	3.831	3.756	1.338	3.428	6.496	6.706	3.056
RSD %	2.8	3.1	0.9	2.8	2.7	2.8	2.8

	Ti	Tl	V	Zn
Conc Mean	> 164.0	> 590.2	118.9	> 127.6
Std Dev	4.399	17.94	3.476	3.794
RSD %	2.7	3	2.9	3

Lab Id: **BF45197 - DIL** Measure Date: **9/27/2013 9:39:18 PM**
Client Id: **FM-1 - DIL**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SQ-DIL	0.71	50	95	5	370.6	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< 0.1472	2477	3.750	1.816	12.43	0.3178	358.9
Std Dev	0.1153	13.26	0.3203	0.1306	0.1532	0.0913	1.375
RSD %	78.3	0.5	8.5	7.2	1.2	28.7	0.4

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.2962	1.196	6.358	5.630	8008	219.1	247.4
Std Dev	0.0835	0.0925	0.0216	0.2180	68.46	5.219	1.381
RSD %	28.2	7.7	0.3	3.9	0.9	2.4	0.6

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	31.40	0.9646	-9.786	3.257	14.54	0.6306	0.9184
Std Dev	0.1836	0.2379	0.8899	0.0640	0.3256	0.2463	0.3094
RSD %	0.6	24.7	9.1	2	2.2	39.1	33.7

	Ti	Tl	V	Zn
Conc Mean	57.69	-2.378	9.539	21.05
Std Dev	0.3344	0.6056	0.1262	0.1542
RSD %	0.6	25.5	1.3	0.7

Lab Id: **BF45197 - PS** Measure Date: **9/27/2013 9:42:10 PM**
Client Id: **FM-1 - PS**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SQ-PSX	0.71	50	95	1	74.13	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	32.85	2467	> 274.3	136.9	165.9	138.1	473.7
Std Dev	0.4579	47.53	6.153	2.986	4.716	2.724	7.982
RSD %	1.4	1.9	2.2	2.2	2.8	2	1.7

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	136.8	141.3	> 147.2	> 148.2	7420	931.5	354.6
Std Dev	3.318	3.988	3.019	3.298	193.7	3.055	7.633
RSD %	2.4	2.8	2.1	2.2	2.6	0.3	2.2

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	> 166.4	> 147.0	176.6	142.8	> 284.5	> 282.9	128.6
Std Dev	3.433	4.332	0.7554	2.984	6.098	5.175	1.668
RSD %	2.1	2.9	0.4	2.1	2.1	1.8	1.3

	Ti	Tl	V	Zn
Conc Mean	> 197.4	> 690.7	145.0	> 155.5
Std Dev	3.777	12.96	1.650	4.148
RSD %	1.9	1.9	1.1	2.7

Lab Id: **BF45199** Measure Date: **9/27/2013 9:45:01 PM**
Client Id: **FM-2**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SS-S10	0.85	50	94	1	62.58	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.0258	2185	5.186	1.004	117.4	0.1239	2878
Std Dev	0.0114	29.61	0.0953	0.0336	1.160	0.0120	30.90
RSD %	44.2	1.4	1.8	3.3	1	9.7	1.1

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.5427	1.360	11.35	10.57	8612	168.3	508.0
Std Dev	0.0023	0.0272	0.0503	0.0987	82.80	1.895	2.941
RSD %	0.4	2	0.4	0.9	1	1.1	0.6

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	31.76	0.4158	41.40	3.376	> 178.8	0.5370	0.1162
Std Dev	0.3430	0.0126	0.5719	0.0416	1.529	0.0718	0.3143
RSD %	1.1	3	1.4	1.2	0.9	13.4	270.5

	Ti	Tl	V	Zn
Conc Mean	79.38	< -1.390	9.437	107.2
Std Dev	1.430	0.0782	0.0805	1.077
RSD %	1.8	5.6	0.9	1

Lab Id: **BF45201** Measure Date: **9/27/2013 9:47:52 PM**
Client Id: **FM-3**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SS-S11	0.73	50	95	1	72.10	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.0493	> 3528	6.287	0.8252	11.89	0.1119	1625
Std Dev	0.0093	28.32	0.1444	0.0809	0.0843	0.0037	12.22
RSD %	18.9	0.8	2.3	9.8	0.7	3.3	0.8

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.5124	1.855	12.52	5.778	> 11460	203.7	1162
Std Dev	0.0037	0.0284	0.1302	0.0891	155.1	2.745	6.161
RSD %	0.7	1.5	1	1.5	1.4	1.3	0.5

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	50.42	0.2862	12.90	6.082	59.38	0.3882	-0.2149
Std Dev	0.7074	0.0163	0.0597	0.0399	0.2743	0.0400	0.4232
RSD %	1.4	5.7	0.5	0.7	0.5	10.3	196.9

	Ti	Tl	V	Zn
Conc Mean	83.45	< -1.801	11.95	20.68
Std Dev	0.8308	0.0900	0.1181	0.1180
RSD %	1	5	1	0.6

Lab Id: **BF45203** Measure Date: **9/27/2013 9:50:44 PM**
Client Id: **FM-4**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SS-S12	0.76	50	98	1	67.13	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< 0.0139	979.7	2.047	0.3649	4.672	0.0738	94.97
Std Dev	0.0262	11.11	0.0129	0.0089	0.0049	0.0011	0.1598
RSD %	188.5	1.1	0.6	2.4	0.1	1.5	0.2

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.2103	0.6871	3.585	2.193	5333	62.02	99.24
Std Dev	0.0040	0.0137	0.0216	0.0234	5.814	0.4859	0.1650
RSD %	1.9	2	0.6	1.1	0.1	0.8	0.2

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	14.79	0.0610	0.6276	2.180	9.799	0.0384	-0.0159
Std Dev	0.0384	0.0103	0.1020	0.0419	0.0446	0.0092	0.1321
RSD %	0.3	16.9	16.3	1.9	0.5	24	830.8

	Ti	Tl	V	Zn
Conc Mean	24.51	< -0.8582	4.411	8.411
Std Dev	0.1539	0.0740	0.0668	0.0307
RSD %	0.6	8.6	1.5	0.4

Lab Id: **BF45205** Measure Date: **9/27/2013 9:53:36 PM**
Client Id: **FM-5**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SS-S13	0.77	50	95	1	68.35	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.0225	1547	2.633	0.7802	61.72	0.0317	2291
Std Dev	0.0161	41.86	0.0819	0.0315	1.607	0.0073	47.69
RSD %	71.6	2.7	3.1	4	2.6	23	2.1

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.2972	0.9357	5.322	6.518	4990	123.1	327.5
Std Dev	0.0071	0.0103	0.1495	0.1440	61.66	2.204	6.873
RSD %	2.4	1.1	2.8	2.2	1.2	1.8	2.1

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	38.99	0.1410	26.50	2.923	> 141.4	0.1601	-0.0477
Std Dev	0.4143	0.0248	0.5314	0.0588	2.905	0.0873	0.2978
RSD %	1.1	17.6	2	2	2.1	54.5	624.3

	Ti	Tl	V	Zn
Conc Mean	49.42	< -0.9559	6.883	76.45
Std Dev	1.205	0.1915	0.0873	0.8898
RSD %	2.4	20	1.3	1.2

Lab Id: **BF45207** Measure Date: **9/27/2013 9:56:28 PM**
Client Id: **FM-6**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SS-S14	0.74	50	96	1	70.38	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.0369	1662	2.758	0.5883	29.67	0.1010	606.0
Std Dev	0.0092	30.16	0.0459	0.0352	0.4691	0.0039	9.048
RSD %	24.9	1.8	1.7	6	1.6	3.9	1.5

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.2960	0.8300	8.655	3.937	5763	92.80	185.3
Std Dev	0.0027	0.0103	0.1303	0.0792	86.99	0.2726	2.335
RSD %	0.9	1.2	1.5	2	1.5	0.3	1.3

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	20.53	0.1657	5.327	3.637	65.20	0.1354	0.1890
Std Dev	0.3373	0.0373	0.1298	0.0356	0.8830	0.0204	0.2678
RSD %	1.6	22.5	2.4	1	1.4	15.1	141.7

	Ti	Tl	V	Zn
Conc Mean	47.82	< -0.9569	7.340	33.62
Std Dev	0.8691	0.0601	0.1073	0.4553
RSD %	1.8	6.3	1.5	1.4

Lab Id: **BF45209** Measure Date: **9/27/2013 9:59:20 PM**
Client Id: **FM-7**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SS-S15	0.78	50	94	1	68.19	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.0292	1789	3.010	0.9362	66.96	0.0674	2101
Std Dev	0.0123	36.47	0.0794	0.0487	1.282	0.0043	65.35
RSD %	42.1	2	2.6	5.2	1.9	6.4	3.1

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.3697	1.018	5.210	7.353	6107	136.6	342.5
Std Dev	0.0029	0.0379	0.0948	0.1091	107.8	1.194	7.431
RSD %	0.8	3.7	1.8	1.5	1.8	0.9	2.2

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	28.13	0.2221	47.63	2.594	132.0	0.1768	-0.1448
Std Dev	0.5881	0.0144	0.5571	0.0351	2.965	0.0333	0.2146
RSD %	2.1	6.5	1.2	1.4	2.2	18.8	148.2

	Ti	Tl	V	Zn
Conc Mean	54.18	< -1.011	7.390	73.61
Std Dev	1.294	0.1538	0.2073	1.357
RSD %	2.4	15.2	2.8	1.8

Lab Id: **BF45211** Measure Date: **9/27/2013 10:02:12 PM**
Client Id: **FM-8**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SS-S16	0.72	50	96	1	72.34	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.0038	1015	2.693	0.4759	20.90	0.0194	654.6
Std Dev	0.0065	23.27	0.0081	0.0348	0.5284	0.0023	14.83
RSD %	171.1	2.3	0.3	7.3	2.5	11.9	2.3

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.1843	0.4747	8.648	2.793	4430	94.26	198.2
Std Dev	0.0031	0.0247	0.1759	0.0918	84.12	0.7829	3.032
RSD %	1.7	5.2	2	3.3	1.9	0.8	1.5

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	12.93	0.0486	6.801	2.165	43.70	0.1674	0.1725
Std Dev	0.2550	0.0257	0.1793	0.0618	0.7696	0.0371	0.1501
RSD %	2	52.9	2.6	2.9	1.8	22.2	87

	Ti	Tl	V	Zn
Conc Mean	30.67	-0.6370	7.228	24.63
Std Dev	0.7706	0.0684	0.1354	0.4970
RSD %	2.5	10.7	1.9	2

Lab Id: **CCV** Measure Date: **9/27/2013 10:05:05 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
	1	1	100	1	1.000	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	0.2590	1.026	1.090	1.052	1.021	1.056	1.076
Std Dev	0.0035	0.0056	0.0050	0.0133	0.0012	0.0047	0.0149
RSD %	1.4	0.5	0.5	1.3	0.1	0.4	1.4

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	1.089	1.088	1.062	1.048	1.102	4.956	1.084
Std Dev	0.0127	0.0101	0.0111	0.0091	0.0147	0.0367	0.0176
RSD %	1.2	0.9	1	0.9	1.3	0.7	1.6

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	1.072	1.089	4.984	1.069	1.071	1.078	1.066
Std Dev	0.0146	0.0076	0.0419	0.0079	0.0007	0.0077	0.0047
RSD %	1.4	0.7	0.8	0.7	0.1	0.7	0.4

	Ti	Tl	V	Zn
Conc Mean	1.031	1.084	1.052	1.078
Std Dev	0.0057	0.0133	0.0124	0.0120
RSD %	0.6	1.2	1.2	1.1

Phoenix Environmental Laboratories | ICP Data | Instrument: BLUE

Print Date: 10/3/2013 4:53:40 PM | **GBF45197 - SOIL** | Method Name: Blue 10

Lab Id: **CCB** Measure Date: **9/27/2013 10:07:58 PM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
	1	1	100	1	1.000	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< 0.0004	< 0.0019	-0.0004	0.0004	-0.0001	-0.0003	0.0031
Std Dev	0.0004	0.0002	0.0004	0.0001	0.0000	0.0000	0.0005
RSD %	100	10.5	100	25	0	0	16.1

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.0002	-0.0003	-0.0003	0.0001	> 0.0136	-0.0018	0.0001
Std Dev	0.0000	0.0002	0.0002	0.0003	0.0005	0.0002	0.0000
RSD %	0	66.7	66.7	300	3.7	11.1	0

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	-0.0002	0.0015	-0.0159	0.0002	0.0008	0.0029	0.0012
Std Dev	0.0000	0.0005	0.0028	0.0004	0.0001	0.0005	0.0003
RSD %	0	33.3	17.6	200	12.5	17.2	25

	Ti	Tl	V	Zn
Conc Mean	0.0037	0.0005	-0.0004	0.0004
Std Dev	0.0003	0.0003	0.0007	0.0000
RSD %	8.1	60	175	0

Lab Id: **BF45213** Measure Date: **9/27/2013 10:10:49 PM**

Client Id: **FM-9**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SS-S17	0.79	50	94	1	67.33	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.5160	> 5647	2.291	2.443	28.48	0.2051	7152
Std Dev	0.0591	120.9	0.0559	0.0890	0.4246	0.0043	161.1
RSD %	11.5	2.1	2.4	3.6	1.5	2.1	2.3

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.6095	6.798	14.33	25.36	> 12400	749.0	2517
Std Dev	0.0099	0.0998	0.2088	0.3538	269.1	14.61	45.05
RSD %	1.6	1.5	1.5	1.4	2.2	2	1.8

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	> 174.5	0.3015	239.5	30.21	20.50	0.2814	0.1109
Std Dev	2.553	0.0034	4.857	0.4898	0.0358	0.1003	0.4328
RSD %	1.5	1.1	2	1.6	0.2	35.6	390.3

	Ti	Tl	V	Zn
Conc Mean	> 341.7	< -3.652	22.53	> 144.2
Std Dev	6.793	0.2137	0.5580	2.862
RSD %	2	5.9	2.5	2

Lab Id: **BF45215** Measure Date: **9/27/2013 10:13:41 PM**

Client Id: **DUPLICATE**

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
254714-SS-S18	0.75	50	96	1	69.44	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.0166	1637	2.629	0.8896	55.91	0.0406	2145
Std Dev	0.0207	53.89	0.0070	0.0405	1.926	0.0055	67.52
RSD %	124.7	3.3	0.3	4.6	3.4	13.5	3.1

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.2872	0.9527	6.353	6.789	4280	143.8	405.2
Std Dev	0.0100	0.0300	0.1766	0.1708	113.4	1.195	9.799
RSD %	3.5	3.1	2.8	2.5	2.6	0.8	2.4

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	24.29	0.1358	29.43	2.499	125.9	0.2339	-0.0848
Std Dev	0.5974	0.0137	0.2590	0.0613	2.262	0.0765	0.2582
RSD %	2.5	10.1	0.9	2.5	1.8	32.7	304.5

	Ti	Tl	V	Zn
Conc Mean	61.43	< -0.7912	8.412	69.55
Std Dev	1.832	0.1643	0.0966	1.596
RSD %	3	20.8	1.1	2.3

Lab Id: **CRDL** Measure Date: **9/27/2013 10:16:33 PM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
						ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	0.0051	0.0862	0.0199	0.0653	0.0108	0.0046	0.1079
Std Dev	0.0003	0.0015	0.0005	0.0004	0.0001	0.0001	0.0029
RSD %	5.9	1.7	2.5	0.6	0.9	2.2	2.7

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.0043	0.0049	0.0050	0.0057	0.0607	0.5126	0.0570
Std Dev	0.0000	0.0001	0.0002	0.0003	0.0146	0.0056	0.0024
RSD %	0	2	4	5.3	24.1	1.1	4.2

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	0.0052	0.0519	0.4450	0.0067	0.0124	0.0270	0.0538
Std Dev	0.0002	0.0002	0.0052	0.0002	0.0010	0.0006	0.0007
RSD %	3.8	0.4	1.2	3	8.1	2.2	1.3

	Ti	Tl	V	Zn
Conc Mean	0.0543	0.0208	0.0109	0.0137
Std Dev	0.0003	0.0004	0.0002	0.0003
RSD %	0.6	1.9	1.8	2.2

Lab Id: **-** Measure Date: **9/27/2013 10:19:26 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
						ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< 0.0013	0.0190	0.0033	0.0135	0.0020	0.0003	0.0339
Std Dev	0.0004	0.0017	0.0003	0.0003	0.0000	0.0001	0.0014
RSD %	30.8	8.9	9.1	2.2	0	33.3	4.1

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.0006	0.0008	0.0006	0.0017	0.0182	0.1094	0.0114
Std Dev	0.0000	0.0003	0.0001	0.0003	0.0032	0.0028	0.0006
RSD %	0	37.5	16.7	17.6	17.6	2.6	5.3

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	0.0009	0.0091	0.1155	0.0018	0.0024	0.0058	0.0109
Std Dev	0.0000	0.0002	0.0093	0.0005	0.0005	0.0004	0.0014
RSD %	0	2.2	8.1	27.8	20.8	6.9	12.8

	Ti	Tl	V	Zn
Conc Mean	0.0117	0.0038	0.0021	0.0044
Std Dev	0.0001	0.0003	0.0002	0.0002
RSD %	0.9	7.9	9.5	4.5

Lab Id: **ICSA** Measure Date: **9/27/2013 10:22:18 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
						ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< 0.0001	29.19	-0.0023	0.0071	0.0005	-0.0008	150.9
Std Dev	0.0005	0.3438	0.0005	0.0004	0.0000	0.0000	1.178
RSD %	500	1.2	21.7	5.6	0	0	0.8

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.0052	0.0026	-0.0007	0.0011	129.1	0.0056	76.07
Std Dev	0.0001	0.0001	0.0005	0.0000	1.532	0.0004	0.7665
RSD %	1.9	3.8	71.4	0	1.2	7.1	1

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	0.0014	-0.0001	25.25	0.0048	-0.0003	-0.0023	-0.0026
Std Dev	0.0000	0.0001	0.4774	0.0004	0.0027	0.0031	0.0008
RSD %	0	100	1.9	8.3	900	134.8	30.8

	Ti	Tl	V	Zn
Conc Mean	0.0014	< -0.0138	< -0.0052	0.0107
Std Dev	0.0001	0.0005	0.0009	0.0001
RSD %	7.1	3.6	17.3	0.9

Phoenix Environmental Laboratories | ICP Data | Instrument: BLUE

Print Date: 10/3/2013 4:53:40 PM | **GBF45197 - SOIL** | Method Name: Blue 10

Lab Id: **ICSAB** Measure Date: **9/27/2013 10:25:09 PM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
						ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	0.2974	30.06	1.034	0.5280	0.3019	0.1013	153.0
Std Dev	0.0010	0.5724	0.0160	0.0050	0.0059	0.0008	0.6675
RSD %	0.3	1.9	1.5	0.9	2	0.8	0.4

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	0.2998	0.3009	0.2928	0.3012	130.7	20.51	77.29
Std Dev	0.0024	0.0028	0.0007	0.0018	1.134	0.1755	0.7652
RSD %	0.8	0.9	0.2	0.6	0.9	0.9	1

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	0.1982	0.3110	25.25	0.2912	0.9798	1.060	0.5217
Std Dev	0.0017	0.0024	0.2968	0.0023	0.0003	0.0083	0.0073
RSD %	0.9	0.8	1.2	0.8	0	0.8	1.4

	Ti	Tl	V	Zn
Conc Mean	1.022	0.9930	0.2938	0.3086
Std Dev	0.0120	0.0049	0.0040	0.0024
RSD %	1.2	0.5	1.4	0.8

Lab Id: **-** Measure Date: **9/27/2013 10:28:01 PM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
						ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.0001	0.0184	0.0001	0.0004	-0.0003	-0.0006	0.1045
Std Dev	0.0002	0.0038	0.0005	0.0000	0.0000	0.0000	0.0182
RSD %	200	20.7	500	0	0	0	17.4

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.0005	-0.0006	-0.0006	0.0003	0.0904	0.0118	0.0077
Std Dev	0.0001	0.0001	0.0001	0.0002	0.0223	0.0020	0.0053
RSD %	20	16.7	16.7	66.7	24.7	16.9	68.8

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	-0.0004	0.0000	-0.0439	-0.0005	-0.0002	0.0005	0.0003
Std Dev	0.0000	0.0003	0.0025	0.0003	0.0006	0.0007	0.0011
RSD %	0		5.7	60	300	140	366.7

	Ti	Tl	V	Zn
Conc Mean	0.0037	-0.0006	-0.0006	0.0000
Std Dev	0.0005	0.0007	0.0009	0.0001
RSD %	13.5	116.7	150	

Lab Id: **-** Measure Date: **9/27/2013 10:30:53 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
						ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.0002	0.0063	-0.0008	0.0001	-0.0004	-0.0007	0.0302
Std Dev	0.0002	0.0011	0.0005	0.0001	0.0000	0.0000	0.0037
RSD %	100	17.5	62.5	100	0	0	12.3

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.0005	-0.0003	-0.0006	0.0001	0.0434	-0.0023	0.0013
Std Dev	0.0000	0.0001	0.0001	0.0002	0.0104	0.0004	0.0024
RSD %	0	33.3	16.7	200	24	17.4	184.6

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	-0.0004	-0.0007	-0.0663	0.0002	-0.0003	-0.0011	0.0003
Std Dev	0.0000	0.0000	0.0014	0.0003	0.0005	0.0009	0.0005
RSD %	0	0	2.1	150	166.7	81.8	166.7

	Ti	Tl	V	Zn
Conc Mean	0.0015	-0.0013	-0.0004	-0.0003
Std Dev	0.0001	0.0006	0.0007	0.0000
RSD %	6.7	46.2	175	0

Lab Id: **-** Measure Date: **9/27/2013 10:33:44 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
						ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< 0.0000	< 0.0018	-0.0015	0.0000	-0.0004	-0.0007	0.0100
Std Dev	0.0003	0.0004	0.0007	0.0001	0.0000	0.0000	0.0015
RSD %		22.2	46.7		0	0	15

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.0005	-0.0005	-0.0006	0.0002	0.0258	-0.0065	-0.0006
Std Dev	0.0000	0.0002	0.0001	0.0002	0.0039	0.0002	0.0006
RSD %	0	40	16.7	100	15.1	3.1	100

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	-0.0004	-0.0008	-0.0705	-0.0003	-0.0002	-0.0012	0.0003
Std Dev	0.0000	0.0001	0.0007	0.0002	0.0005	0.0007	0.0010
RSD %	0	12.5	1	66.7	250	58.3	333.3

	Ti	Tl	V	Zn
Conc Mean	0.0007	-0.0016	-0.0005	-0.0003
Std Dev	0.0001	0.0001	0.0003	0.0000
RSD %	14.3	6.3	60	0

Lab Id: **-** Measure Date: **9/27/2013 10:36:36 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
						ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< -0.0001	< 0.0013	-0.0012	0.0000	-0.0005	-0.0008	0.0049
Std Dev	0.0002	0.0005	0.0002	0.0000	0.0000	0.0001	0.0015
RSD %	200	38.5	16.7		0	12.5	30.6

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.0005	-0.0006	-0.0006	-0.0001	0.0185	-0.0082	-0.0011
Std Dev	0.0000	0.0003	0.0001	0.0002	0.0013	0.0002	0.0002
RSD %	0	50	16.7	200	7	2.4	18.2

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	-0.0004	-0.0009	-0.0740	-0.0008	-0.0002	-0.0009	0.0000
Std Dev	0.0000	0.0000	0.0019	0.0005	0.0004	0.0005	0.0014
RSD %	0	0	2.6	62.5	200	55.6	

	Ti	Tl	V	Zn
Conc Mean	0.0004	-0.0016	-0.0011	-0.0004
Std Dev	0.0001	0.0001	0.0003	0.0000
RSD %	25	6.3	27.3	0

Lab Id: **CCV** Measure Date: **9/27/2013 10:39:29 PM**
Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
	1	1	100	1	1.000	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	0.2565	1.021	1.093	1.044	1.022	1.038	1.059
Std Dev	0.0028	0.0087	0.0104	0.0075	0.0204	0.0033	0.0125
RSD %	1.1	0.9	1	0.7	2	0.3	1.2

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	1.080	1.079	1.054	1.042	1.082	5.007	1.078
Std Dev	0.0045	0.0058	0.0056	0.0139	0.0067	0.0694	0.0081
RSD %	0.4	0.5	0.5	1.3	0.6	1.4	0.8

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	1.058	1.079	5.051	1.067	1.065	1.081	1.074
Std Dev	0.0072	0.0050	0.0621	0.0038	0.0048	0.0187	0.0065
RSD %	0.7	0.5	1.2	0.4	0.5	1.7	0.6

	Ti	Tl	V	Zn
Conc Mean	1.027	1.082	1.041	1.072
Std Dev	0.0047	0.0096	0.0106	0.0050
RSD %	0.5	0.9	1	0.5

Lab Id: **CCB** Measure Date: **9/27/2013 10:42:22 PM**

Client Id:

Matrix	Weight	Volume	Pct Solid	Dilution	Factor	Units
	1	1	100	1	1.000	ppm

	Ag	Al	As	B	Ba	Be	Ca
Conc Mean	< 0.0001	< 0.0016	0.0001	0.0003	0.0000	-0.0002	0.0029
Std Dev	0.0004	0.0008	0.0007	0.0001	0.0000	0.0001	0.0006
RSD %	400	50	700	33.3		50	20.7

	Cd	Co	Cr	Cu	Fe	K	Mg
Conc Mean	-0.0001	0.0000	-0.0002	0.0004	> 0.0090	-0.0029	0.0003
Std Dev	0.0000	0.0001	0.0001	0.0003	0.0002	0.0002	0.0000
RSD %	0		50	75	2.2	6.9	0

	Mn	Mo	Na	Ni	Pb	Sb	Se
Conc Mean	-0.0001	0.0016	-0.0114	0.0004	0.0003	0.0027	0.0008
Std Dev	0.0000	0.0005	0.0033	0.0005	0.0004	0.0001	0.0007
RSD %	0	31.3	28.9	125	133.3	3.7	87.5

	Ti	Tl	V	Zn
Conc Mean	0.0033	0.0006	0.0003	0.0004
Std Dev	0.0003	0.0006	0.0004	0.0001
RSD %	9.1	100	133.3	25

Phoenix Environmental Laboratories | Hg Data | Instrument: MERLIN

Print Date: 10/3/2013 4:53:36 PM | **GBF45197 - SOIL**

Sample Date	Lab Id	Client Id	Inst	Result	Factor	Units
09/26/13 10:46 AM	ICV			4.1603	1.000	ppb
09/26/13 10:50 AM	ICB			-0.0194	1.000	ppb
09/26/13 10:57 AM	I-CRDL			0.1101	1.000	ppb
09/26/13 11:05 AM	-			0.5938	1.000	ppb
09/26/13 11:13 AM	BF45205 - BLK	FM-5 - BLK		-0.0260	0.3200	mg/kg (wet)
09/26/13 11:15 AM	BF45205 - LCS	FM-5 - LCS		0.3393	0.3200	mg/kg (wet)
09/26/13 11:19 AM	BF45205 - LCSD	FM-5 - LCSD		0.3413	0.3200	mg/kg (wet)
09/26/13 11:21 AM	-			0.1094	0.3200	mg/kg (wet)
09/26/13 11:23 AM	-			-0.0313	0.3478	mg/kg (wet)
09/26/13 11:25 AM	-			-0.0285	0.3077	mg/kg (wet)
09/26/13 11:27 AM	-			-0.0031	0.2759	mg/kg (wet)
09/26/13 11:30 AM	BF45197	FM-1		-0.0009	0.3200	mg/kg (wet)
09/26/13 11:32 AM	BF45199	FM-2		0.0392	0.3810	mg/kg (wet)
09/26/13 11:34 AM	BF45201	FM-3		0.0014	0.3478	mg/kg (wet)
09/26/13 11:36 AM	BF45203	FM-4		-0.0240	0.2857	mg/kg (wet)
09/26/13 11:38 AM	BF45205	FM-5		0.0099	0.3810	mg/kg (wet)
09/26/13 11:41 AM	BF45207	FM-6		0.0130	0.2963	mg/kg (wet)
09/26/13 11:43 AM	BF45205 - DUP	FM-5 - DUP		0.0407	0.3200	mg/kg (wet)
09/26/13 11:45 AM	BF45205 - MS	FM-5 - MS		0.3971	0.2759	mg/kg (wet)
09/26/13 11:47 AM	BF45205 - MSD	FM-5 - MSD		0.4203	0.3077	mg/kg (wet)
09/26/13 11:50 AM	CCV			3.9281	1.000	ppb
09/26/13 11:52 AM	CCB			-0.0750	1.000	ppb
09/26/13 11:54 AM	BF45209	FM-7		0.0239	0.3478	mg/kg (wet)
09/26/13 11:56 AM	BF45211	FM-8		-0.0084	0.2963	mg/kg (wet)
09/26/13 11:58 AM	BF45213	FM-9		-0.0125	0.2759	mg/kg (wet)
09/26/13 12:01 PM	BF45215	DUPLICATE		0.0120	0.3478	mg/kg (wet)
09/26/13 12:03 PM	-			0.0094	0.2759	mg/kg (wet)
09/26/13 12:05 PM	-			-0.1243	1.250	ppb
09/26/13 12:07 PM	-			2.2923	1.250	ppb
09/26/13 12:10 PM	-			2.3057	1.250	ppb
09/26/13 12:12 PM	-			0.0014	1.250	ppb
09/26/13 12:14 PM	-			-0.1139	1.250	ppb
09/26/13 12:16 PM	-			-0.1190	1.250	ppb
09/26/13 12:18 PM	-			-0.0843	1.250	ppb
09/26/13 12:21 PM	-			-0.1155	1.250	ppb
09/26/13 12:23 PM	CCV			3.9307	1.000	ppb
09/26/13 12:25 PM	CCB			-0.0641	1.000	ppb

Total Metals Digest, Soils

TMD-SM-254714 **QAQC Code** #Q$ICP-SM **QAQC Sample #** BF45197

Sample	Acode	Dept	Sample Wgt (g)	Auto Block #	Final Vol (ml)	IPH	Comments	Start Date	Finish Date	Initials
BF45197	BLK	ICP22	0.75	3S	50		2	09/25	09/26	Z/AG
BF45197	LCS		0.256	3S	50			09/25	09/26	Z/AG
BF45197	LCSD		0.266	3S	50			09/25	09/26	Z/AG
BF45197	MS		0.73	3S	50		2 mL spk	09/25	09/26	Z/AG
BF45197	MSD		0.82	3S	50		2 mL spk	09/25	09/26	Z/AG
BF45197	DUP		0.73	3S	50			09/25	09/26	Z/AG
BF45185	TMD-SM	ICP22 , HG	0.70	3S	50			09/25	09/26	Z/AG
BF45186	TMD-SM	ICP22 , HG	0.75	3S	50			09/25	09/26	Z/AG
BF45187	TMD-SM	ICP22 , HG	0.70	3S	50			09/25	09/26	Z/AG
BF45188	TMD-SM	ICP22 , HG	0.82	3S	50			09/25	09/26	Z/AG
BF45189	TMD-SM	ICP22 , HG	0.71	3S	50			09/25	09/26	Z/AG
BF45190	TMD-SM	ICP22 , HG	0.71	3S	50			09/25	09/26	Z/AG
BF45191	TMD-SM	ICP22 , HG	0.72	3S	50			09/25	09/26	Z/AG
BF45192	TMD-SM	ICP22 , HG	0.79	3S	50			09/25	09/26	Z/AG
BF45197	TMD-SM	ICP22 , HG	0.71	3S	50			09/25	09/26	Z/AG
BF45199	TMD-SM	ICP22 , HG	0.85	3S	50			09/25	09/26	Z/AG
BF45201	TMD-SM	ICP22 , HG	0.73	3S	50			09/25	09/26	Z/AG
BF45203	TMD-SM	ICP22 , HG	0.76	3S	50			09/25	09/26	Z/AG
BF45205	TMD-SM	ICP22 , HG	0.77	3S	50			09/25	09/26	Z/AG
BF45207	TMD-SM	ICP22 , HG	0.74	3S	50			09/25	09/26	Z/AG
BF45209	TMD-SM	ICP22 , HG	0.78	3S	50			09/25	09/26	Z/AG
BF45211	TMD-SM	ICP22 , HG	0.72	3S	50			09/25	09/26	Z/AG
BF45213	TMD-SM	ICP22 , HG	0.79	3S	50			09/25	09/26	Z/AG
BF45215	TMD-SM	ICP22 , HG	0.75	3S	50			09/25	09/26	Z/AG

QC Rpt Cmnt

Prep Comment

Post Comment

Surrogate Id # **Tracking #** **Time In**

Spike # ICP 9.23.13 **Tracking #** **Time Out**

LCSID # *D079 ERA **Tracking #** **Temp**

!!! Same Day * Rush 24 ** Rush

10/3/2013 5:20:37 PM

Mercury Soil Digestion

HGSMPREP-254770 **QAQC Code** #QHG-SM **QAQC Sample #** BF45205

Sample	Acode	Dept	Sample Wgt (g)	Auto Block #	Final Vol (ml)	Cell #	Comments	Start Date	Finish Date	Initials
BF45205	BLK		40	2	40		(2)	09/26	09/26	I/I
BF45205	DUP		0.25	2	40			09/26	09/26	I/I
BF45205	LCS		40	2	40		1ML SPK	09/26	09/26	I/I
BF45205	LCSD		40	2	40		1ML SPK	09/26	09/26	I/I
BF45205	MS		0.29	2	40		1ML SPK	09/26	09/26	I/I
BF45205	MSD		0.26	2	40		1ML SPK	09/26	09/26	I/I
BF45191	HGSMPREP	VOA	0.25	2	40			09/26	09/26	I/I
BF45192	HGSMPREP	VOA	0.23	2	40			09/26	09/26	I/I
BF45193	HGSMPREP	VOA	0.26	2	40			09/26	09/26	I/I
BF45194	HGSMPREP	VOA	0.29	2	40			09/26	09/26	I/I
BF45197	HGSMPREP		0.25	2	40			09/26	09/26	I/I
BF45199	HGSMPREP		0.21	2	40			09/26	09/26	I/I
BF45201	HGSMPREP		0.23	2	40			09/26	09/26	I/I
BF45203	HGSMPREP		0.28	2	40			09/26	09/26	I/I
BF45205	HGSMPREP		0.21	2	40			09/26	09/26	I/I
BF45207	HGSMPREP		0.27	2	40			09/26	09/26	I/I
BF45209	HGSMPREP		0.23	2	40			09/26	09/26	I/I
BF45211	HGSMPREP		0.27	2	40			09/26	09/26	I/I
BF45213	HGSMPREP		0.29	2	40			09/26	09/26	I/I
BF45215	HGSMPREP		0.23	2	40			09/26	09/26	I/I
BF45307	HGSMPREP	VOA	0.29	2	40			09/26	09/26	I/I

QC Rpt Cmnt

Prep Comment

Post Comment

Surrogate Id # --

Spike # env exp (HP100033-1)

LCSID # env exp (HP100033-1)

Tracking #

Tracking # 08-26-13

Tracking # 08-26-13

Time In 7:35

Time Out 8:08

Temp 95

!!! Same Day * Rush 24 ** Rush

10/3/2013 5:20:53 PM

APPENDIX G

NYSDEC TABLE 375-6.8(B)

Table 375-6.8(b): Restricted Use Soil Cleanup Objectives							
Contaminant	**CAS Number**	**Protection of Public Health**				**Protection of Ecological Resources**	**Protection of Ground-water**
		Residential	**Restricted-Residential**	**Commercial**	**Industrial**		
Metals							
Arsenic	7440-38-2	16[f]	16[f]	16[f]	16[f]	13[f]	16[f]
Barium	7440-39-3	350[f]	400	400	10,000 [d]	433	820
Beryllium	7440-41-7	14	72	590	2,700	10	47
Cadmium	7440-43-9	2.5[f]	4.3	9.3	60	4	7.5
Chromium, hexavalent [h]	18540-29-9	22	110	400	800	1[e]	19
Chromium, trivalent[h]	16065-83-1	36	180	1,500	6,800	41	NS
Copper	7440-50-8	270	270	270	10,000 [d]	50	1,720
Total Cyanide [h]		27	27	27	10,000 [d]	NS	40
Lead	7439-92-1	400	400	1,000	3,900	63[f]	450
Manganese	7439-96-5	2,000[f]	2,000[f]	10,000 [d]	10,000 [d]	1600[f]	2,000[f]
Total Mercury		0.81[j]	0.81[j]	2.8[j]	5.7[j]	0.18[f]	0.73
Nickel	7440-02-0	140	310	310	10,000 [d]	30	130
Selenium	7782-49-2	36	180	1,500	6,800	3.9[f]	4[f]
Silver	7440-22-4	36	180	1,500	6,800	2	8.3
Zinc	7440-66-6	2200	10,000 [d]	10,000 [d]	10,000 [d]	109[f]	2,480
PCBs/Pesticides							
2,4,5-TP Acid	93-72-	58	100[a]	500[b]	1,000[c]	NS	3.8

(Silvex)	1						
4,4'-DDE	72-55-9	1.8	8.9	62	120	0.0033 [e]	17
4,4'-DDT	50-29-3	1.7	7.9	47	94	0.0033 [e]	136
4,4'-DDD	72-54-8	2.6	13	92	180	0.0033 [e]	14
Aldrin	309-00-2	0.019	0.097	0.68	1.4	0.14	0.19
alpha-BHC	319-84-6	0.097	0.48	3.4	6.8	0.04[g]	0.02
beta-BHC	319-85-7	0.072	0.36	3	14	0.6	0.09
Chlordane (alpha)	5103-71-9	0.91	4.2	24	47	1.3	2.9
delta-BHC	319-86-8	100[a]	100[a]	500[b]	1,000[c]	0.04[g]	0.25
Dibenzofuran	132-64-9	14	59	350	1,000[c]	NS	210
Dieldrin	60-57-1	0.039	0.2	1.4	2.8	0.006	0.1
Endosulfan I	959-98-8	4.8[i]	24[i]	200[i]	920[i]	NS	102
Endosulfan II	33213-65-9	4.8[i]	24[i]	200[i]	920[i]	NS	102
Endosulfan sulfate	1031-07-8	4.8[i]	24[i]	200[i]	920[i]	NS	1,000[c]
Endrin	72-20-8	2.2	11	89	410	0.014	0.06
Heptachlor	76-44-8	0.42	2.1	15	29	0.14	0.38
Lindane	58-89-9	0.28	1.3	9.2	23	6	0.1
Polychlorinated biphenyls	1336-36-3	1	1	1	25	1	3.2
Semivolatiles							
Acenaphthene	83-32-9	100[a]	100[a]	500[b]	1,000[c]	20	98
Acenapthylene	208-	100[a]	100[a]	500[b]	1,000[c]	NS	107

	96-8						
Anthracene	120-12-7	100[a]	100[a]	500[b]	1,000[c]	NS	1,000[c]
Benz(a)anthracene	56-55-3	1[f]	1[f]	5.6	11	NS	1[f]
Benzo(a)pyrene	50-32-8	1[f]	1[f]	1[f]	1.1	2.6	22
Benzo(b)fluoranthene	205-99-2	1[f]	1[f]	5.6	11	NS	1.7
Benzo(g,h,i)perylene	191-24-2	100[a]	100[a]	500[b]	1,000[c]	NS	1,000[c]
Benzo(k)fluoranthene	207-08-9	1	3.9	56	110	NS	1.7
Chrysene	218-01-9	1[f]	3.9	56	110	NS	1[f]
Dibenz(a,h)anthracene	53-70-3	0.33[e]	0.33[e]	0.56	1.1	NS	1,000[c]
Fluoranthene	206-44-0	100[a]	100[a]	500[b]	1,000[c]	NS	1,000[c]
Fluorene	86-73-7	100[a]	100[a]	500[b]	1,000[c]	30	386
Indeno(1,2,3-cd)pyrene	193-39-5	0.5[f]	0.5[f]	5.6	11	NS	8.2
m-Cresol	108-39-4	100[a]	100[a]	500[b]	1,000[c]	NS	0.33[e]
Naphthalene	91-20-3	100[a]	100[a]	500[b]	1,000[c]	NS	12
o-Cresol	95-48-7	100[a]	100[a]	500[b]	1,000[c]	NS	0.33[e]
p-Cresol	106-44-5	34	100[a]	500[b]	1,000[c]	NS	0.33[e]
Pentachlorophenol	87-86-5	2.4	6.7	6.7	55	0.8[e]	0.8[e]
Phenanthrene	85-01-8	100[a]	100[a]	500[b]	1,000[c]	NS	1,000[c]
Phenol	108-95-2	100[a]	100[a]	500[b]	1,000[c]	30	0.33[e]
Pyrene	129-00-0	100[a]	100[a]	500[b]	1,000[c]	NS	1,000[c]

Volatiles							
1,1,1-Trichloroethane	71-55-6	100[a]	100[a]	500[b]	1,000[c]	NS	0.68
1,1-Dichloroethane	75-34-3	19	26	240	480	NS	0.27
1,1-Dichloroethene	75-35-4	100[a]	100[a]	500[b]	1,000[c]	NS	0.33
1,2-Dichlorobenzene	95-50-1	100[a]	100[a]	500[b]	1,000[c]	NS	1.1
1,2-Dichloroethane	107-06-2	2.3	3.1	30	60	10	0.02[f]
cis-1,2-Dichloroethene	156-59-2	59	100[a]	500[b]	1,000[c]	NS	0.25
trans-1,2-Dichloroethene	156-60-5	100[a]	100[a]	500[b]	1,000[c]	NS	0.19
1,3-Dichlorobenzene	541-73-1	17	49	280	560	NS	2.4
1,4-Dichlorobenzene	106-46-7	9.8	13	130	250	20	1.8
1,4-Dioxane	123-91-1	9.8	13	130	250	0.1[e]	0.1[e]
Acetone	67-64-1	100[a]	100[b]	500[b]	1,000[c]	2.2	0.05
Benzene	71-43-2	2.9	4.8	44	89	70	0.06
Butylbenzene	104-51-8	100[a]	100[a]	500[b]	1,000[c]	NS	12
Carbon tetrachloride	56-23-5	1.4	2.4	22	44	NS	0.76
Chlorobenzene	108-90-7	100[a]	100[a]	500[b]	1,000[c]	40	1.1
Chloroform	67-66-3	10	49	350	700	12	0.37
Ethylbenzene	100-41-4	30	41	390	780	NS	1
Hexachlorobenzene	118-74-1	0.33[e]	1.2	6	12	NS	3.2
Methyl ethyl ketone	78-93-3	100[a]	100[a]	500[b]	1,000[c]	100[a]	0.12

Methyl tert-butyl ether	1634-04-4	62	100[a]	500[b]	1,000[c]	NS	0.93
Methylene chloride	75-09-2	51	100[a]	500[b]	1,000[c]	12	0.05
n-Propylbenzene	103-65-1	100[a]	100[a]	500[b]	1,000[c]	NS	3.9
sec-Butylbenzene	135-98-8	100[a]	100[a]	500[b]	1,000[c]	NS	11
tert-Butylbenzene	98-06-6	100[a]	100[a]	500[b]	1,000[c]	NS	5.9
Tetrachloroethene	127-18-4	5.5	19	150	300	2	1.3
Toluene	108-88-3	100[a]	100[a]	500[b]	1,000[c]	36	0.7
Trichloroethene	79-01-6	10	21	200	400	2	0.47
1,2,4-Trimethylbenzene	95-63-6	47	52	190	380	NS	3.6
1,3,5-Trimethylbenzene	108-67-8	47	52	190	380	NS	8.4
Vinyl chloride	75-01-4	0.21	0.9	13	27	NS	0.02
Xylene (mixed)	1330-20-7	100[a]	100[a]	500[b]	1,000[c]	0.26	1.6

All soil cleanup objectives (SCOs) are in parts per million (ppm). NS=Not specified. See Technical Support Document (TSD). Footnotes

[a] The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 ppm. See TSD section 9.3.

[b] The SCOs for commercial use were capped at a maximum value of 500 ppm. See TSD section 9.3.

[c] The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm. See TSD section 9.3.

[d] The SCOs for metals were capped at a maximum value of 10,000 ppm. See TSD section 9.3.

[e] For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the SCO value.

[f] For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

[g] This SCO is derived from data on mixed isomers of BHC.

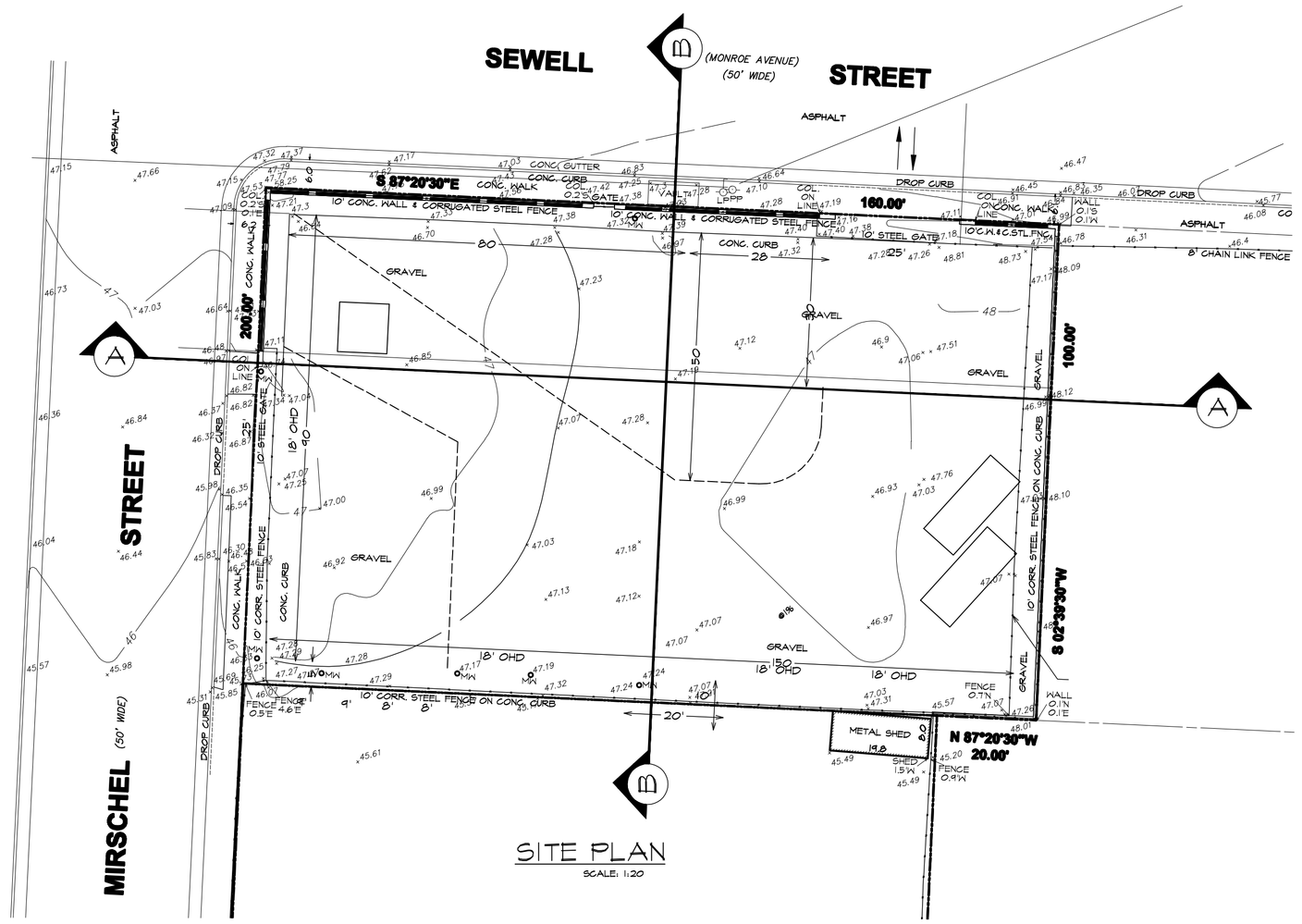
[h] The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.

[i] This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate.

[j] This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See TSD Table 5.6-1.

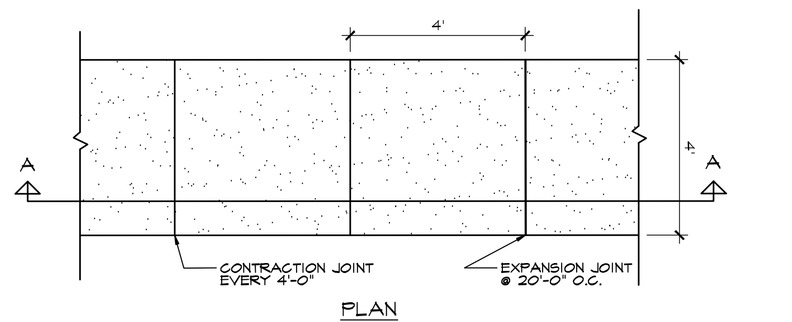
APPENDIX H

CONCRETE CAP DESIGN

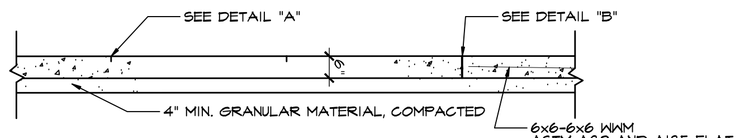


SITE PLAN

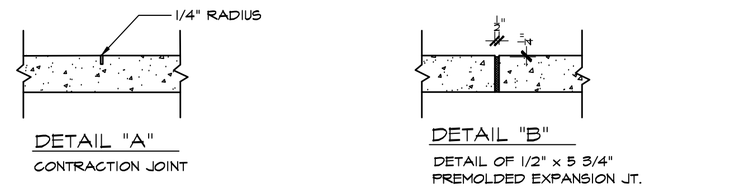
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PLAN



SECTION A-A

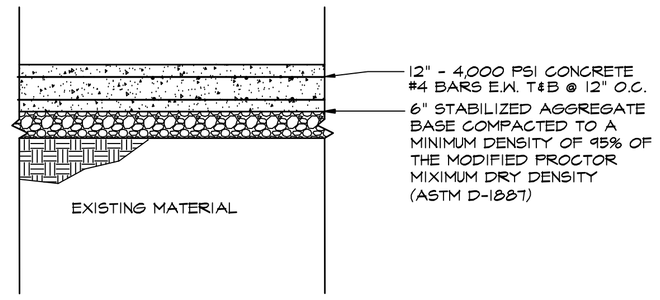


DETAIL "A"
CONTRACTION JOINT

DETAIL "B"
DETAIL OF 1/2" x 5 3/4" PREMOLDED EXPANSION JT.

CONCRETE SIDEWALK

N.T.S.



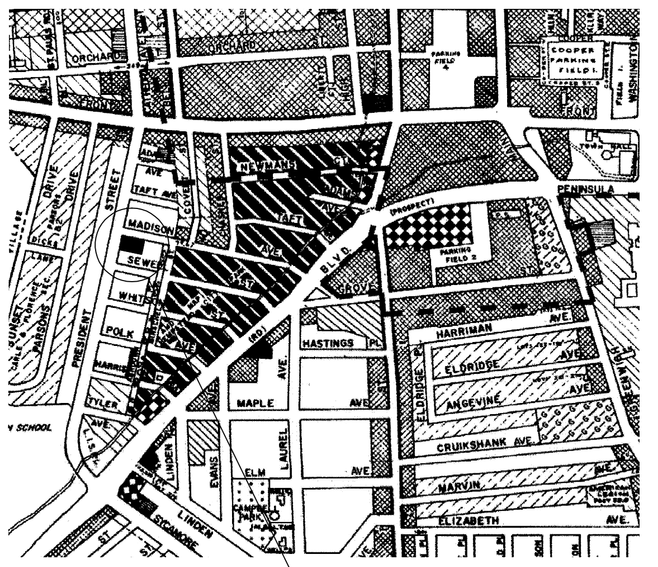
CONCRETE SLAB SECTION

N.T.S.

AAP GENERAL CONCRETE NOTE:

1. CONCRETE SLAB CONSISTS OF CONSTRUCTING A SPECIFIED PORTLAND CEMENT CONCRETE SLAB ON A PREPARED SUBGRADE. THE UTILITIES AND OTHER ITEMS IN AND BENEATH THE SLAB MUST BE PROPERLY COORDINATED WITH THE CONSTRUCTION OF THE CONCRETE SLAB TO AVOID CONFLICTS. THE WORK TO BE DONE SHALL INCLUDE THE FURNISHING OF ALL SUPERVISION, LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS NECESSARY FOR THE PROPOSED CONCRETE SLAB CONSTRUCTION IN ACCORDANCE WITH THE APPROVED DRAWINGS AND SPECIFICATIONS.

2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. CONFORMANCE TO STRENGTH REQUIREMENTS SHALL BE DETERMINED BY ACI STANDARD 318, LATEST EDITION, SECTIONS 4.2.2.3 AND 4.2.3.



GENERAL NOTES:

1. ALL FOUNDATION CONCRETE INCLUDING FOOTINGS, WALLS AND FLOORS SHALL BE NORMAL WEIGHT, 145 PCF AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI IN 28 DAYS.

2. READY MIX CONCRETE SHALL CONFORM TO ASTM C94-78A.

3. PROVIDE A MINIMUM OF 5.75 BAGS OF CEMENT PER CUBIC YARD OF CONCRETE.

4. SLUMP SHALL NOT EXCEED 5" PLUS OR MINUS 1".

5. CONCRETE MATERIAL SHALL CONFORM TO THE FOLLOWING STANDARDS:
   PORTLAND CEMENT SHALL CONFORM TO ASTM C150-67
   AIR ENTRAINING MIXTURE SHALL CONFORM TO ASTM C260-77.
   CONCRETE AGGREGATES SHALL CONFORM TO ASTM C33-67
   WATER SHALL BE CLEAN AND FREE INJURIOUS AMOUNTS OF OILS, ACIDS, ALKALIS, SALT ORGANIC MATERIALS AND DELETERIOUS SUBSTANCES.

6. ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE NEW YORK BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE .

7. ALL CONCRETE EXPOSED TO FREEZING TEMPERATURES SHALL BE AIR ENTRAINED, MAXIMUM 5% BY VOLUME.

8. TEST CYLINDERS:
THREE TEST CYLINDERS SHALL BE MOLDED FOR EACH 50 CUBIC YARDS OR FRACTION THEREOF FOR EACH CLASS OF CONCRETE PLACED IN ANY ONE DAY. SAMPLES ARE TO BE TAKEN FROM THE MIXER AS PER ASTM C-172, CURED AS PER ASTM C-31 AND TESTED AT THE AGE OF 28 DAYS AS PER ASTM C-39. TESTS SHALL BE PERFORMED BY A LICENSED TESTING LABORATORY. REPORTS ARE TO BE FILED WITH TH BUILDING DEPARTMENT.

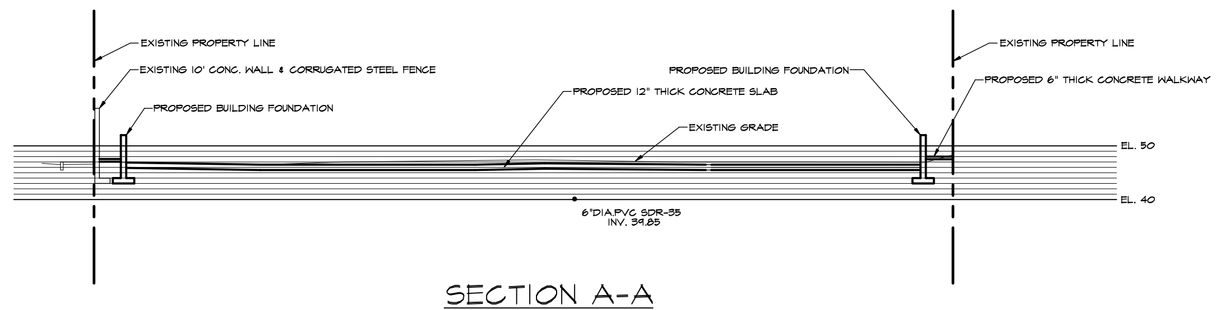
9. ALL CONCRETE PADS SHALL BE POURED IN AN ALTERNATING STRIP SYSTEM TO ALLOW PROPER SHRINKAGE.

10. CONSTRUCT CONTRACTION (CONTROL) JOINTS IN PADS TO FORM PANELS. PROVIDE JOINTS NOT EXCEEDING 15 FEET IN EITHER DIRECTION AND LOCATED TO CONFORM TO BAY SPACING WHEREVER POSSIBLE. OTHER LOCATIONS MUST BE APPROVED BY THE STRUCTURAL ENGINEER.

11. PROVIDE ISOLATION JOINTS IN PADS AT POINTS OF CONTACT BETWEEN PADS AND VERTICAL SURFACES. AT OTHER LOCATIONS, PROVIDE JOINTS NOT EXCEEDING 60 FEET IN EITHER DIRECTION. OTHER SPACING MUST BE APPROVED BY THE STRUCTURAL ENGINEER.

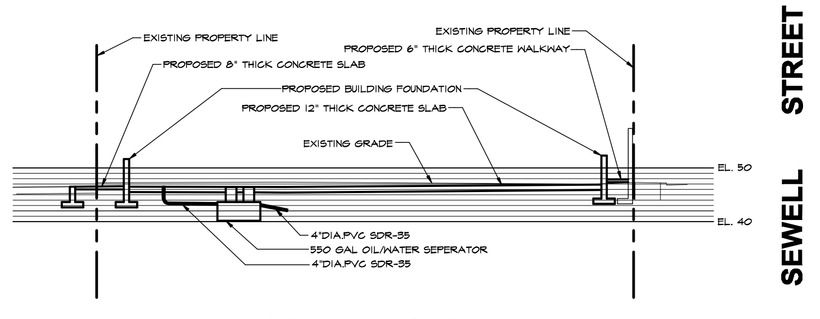
12. CONTRACTOR MAY USE SAWED CONTROL JOINTS SUBJECT TO APPROVAL.

MIRSCHEL STREET



SECTION A-A

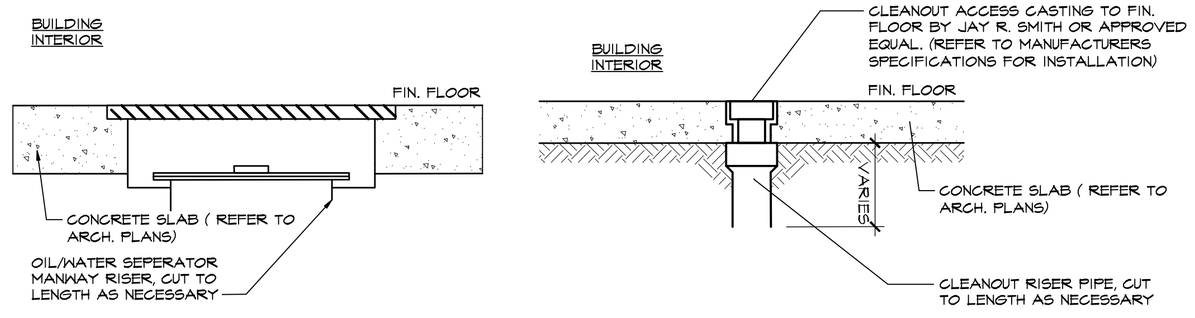
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SEWELL STREET

SECTION B-B

SCALE: 1:20



STANDARD FOUNDATION SECT

SCALE: 1"=1'

LEGEND:

- PROPERTY LINE
- LOT LINE
- EASEMENT
- BUILDING
- FENCE
- BRUSH LINE, TREE LINE
- MAJOR CONTOUR LINE (215)
- MINOR CONTOUR LINE
- SPOT ELEVATION (+ 217.59)

UNAUTHORIZED ALTERATION OF, OR ADDITION TO PLANS OR DOCUMENTS BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

ANY ALTERATION TO THIS DOCUMENT MUST BE DONE BY A PERSON ACTING UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL IN ACCORDANCE WITH THE STATE EDUCATION LAW.

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REV.	DATE	DESCRIPTION	BY

JOB NO. 0953-01-002

DRAWN

CHECKED

APPROVED

SEAL

PROJECT

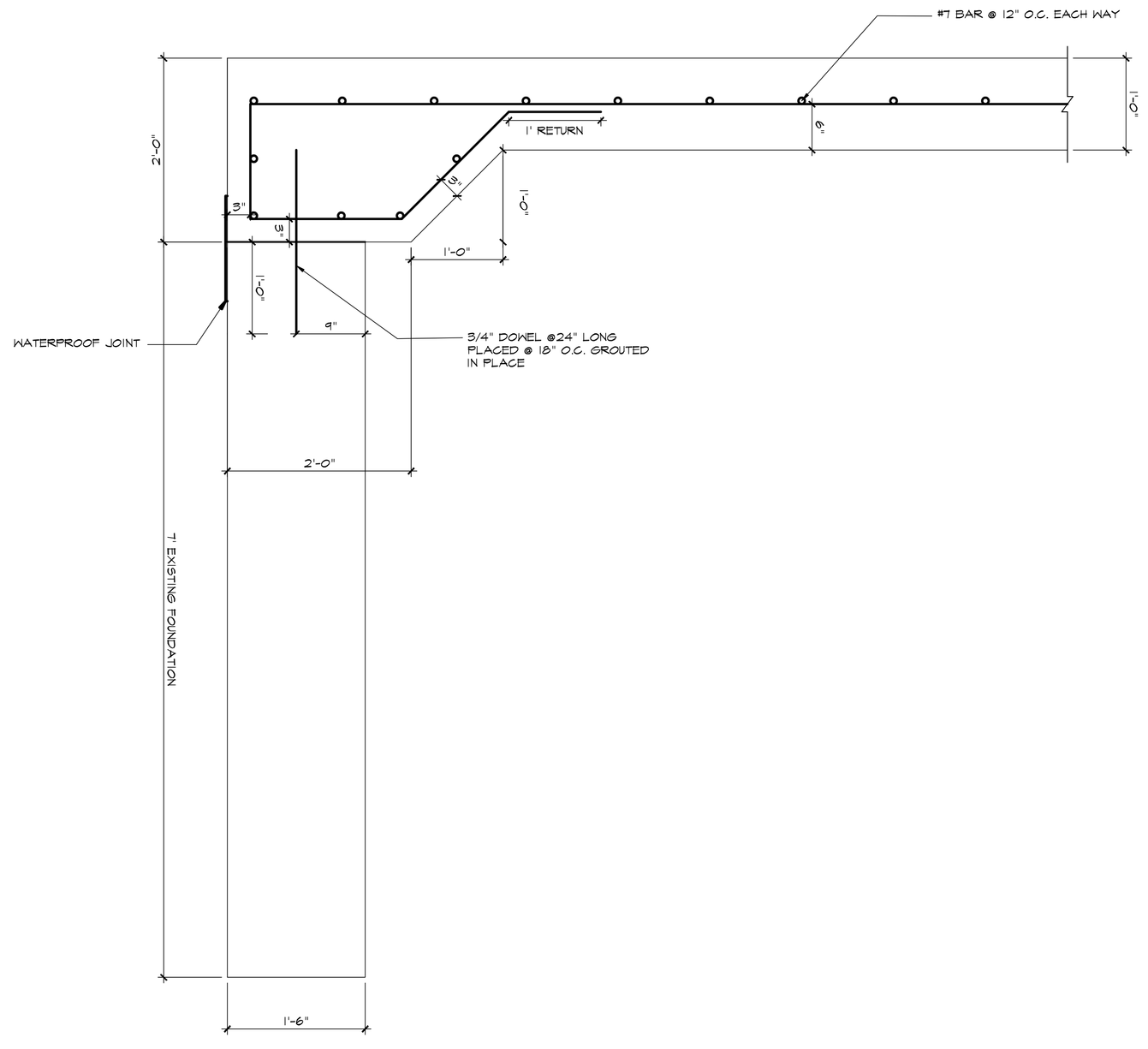
CHAMP CONSTRUCTION
48 SEWELL STREET, HEMPSTEAD, NY 11550

DRAWING TITLE

CAP DESIGN

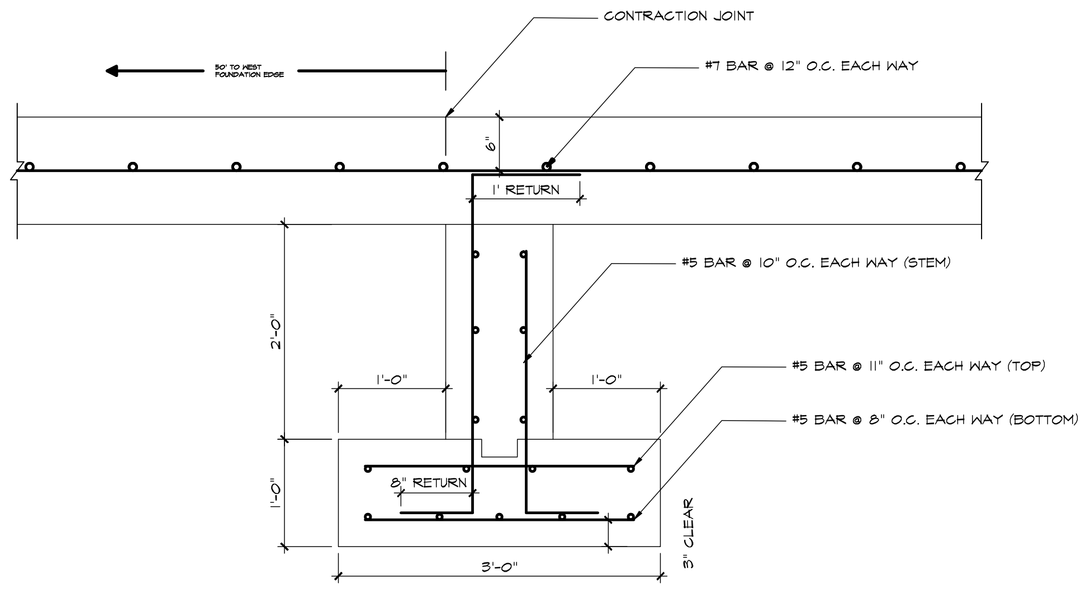
Galli Engineering, P.C.
35 PINELAWN ROAD, SUITE 208E
MELVILLE, NEW YORK 11747
PH: 1-631-271-6292 FAX: 1-631-271-6845

DATE	SCALE	DRAWING NO.
11/4/13	AS NOTED	1 OF 1



FLOOR SLAB DETAILS

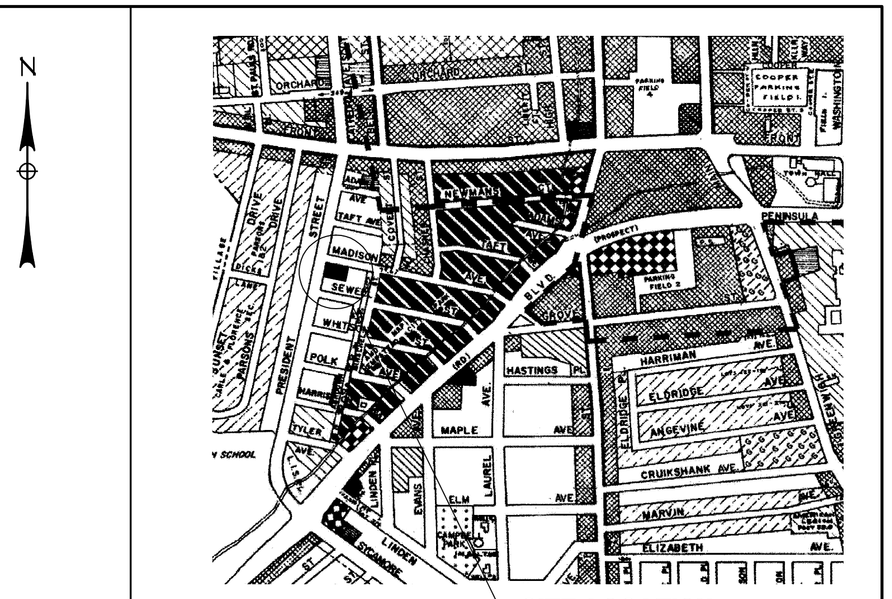
SCALE: 1"=1'



STANDARD FOUNDATION SECTION

SCALE: 1"=1'

NOTE: FOR SOUTH SIDE FOUNDATION INCREASE FOUNDATION STEM WIDTH TO 18" AND THE OVERALL FOOTING WIDTH TO 3'-6".



GENERAL NOTES:

1. ALL FOUNDATION CONCRETE INCLUDING FOOTINGS, WALLS AND FLOORS SHALL BE NORMAL WEIGHT, 145 PCF AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI IN 28 DAYS.
2. READY MIX CONCRETE SHALL CONFORM TO ASTM C94-78A.
3. PROVIDE A MINIMUM OF 5.75 BAGS OF CEMENT PER CUBIC YARD OF CONCRETE.
4. SLUMP SHALL NOT EXCEED 5" PLUS OR MINUS 1".
5. CONCRETE MATERIAL SHALL CONFORM TO THE FOLLOWING STANDARDS:
   PORTLAND CEMENT SHALL CONFORM TO ASTM C150-67
   AIR ENTRAINING MIXTURE SHALL CONFORM TO ASTM C260-77.
   CONCRETE AGGREGATES SHALL CONFORM TO ASTM C33-67
   WATER SHALL BE CLEAN AND FREE INJURIOUS AMOUNTS OF OILS, ACIDS, ALKALIS, SALT ORGANIC MATERIALS AND DELETERIOUS SUBSTANCES.
6. ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE NEW YORK BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE .
7. ALL CONCRETE EXPOSED TO FREEZING TEMPERATURES SHALL BE AIR ENTRAINED, MAXIMUM 5% BY VOLUME.
8. TEST CYLINDERS:
   THREE TEST CYLINDERS SHALL BE MOLDED FOR EACH 50 CUBIC YARDS OR FRACTION THEREOF FOR EACH CLASS OF CONCRETE PLACED IN ANY ONE DAY. SAMPLES ARE TO BE TAKEN FROM THE MIXER AS PER ASTM C-172, CURED AS PER ASTM C-31 AND TESTED AT THE AGE OF 28 DAYS AS PER ASTM C-39. TESTS SHALL BE PERFORMED BY A LICENSED TESTING LABORATORY. REPORTS ARE TO BE FILED WITH TH BUILDING DEPARTMENT.
9. ALL CONCRETE PADS SHALL BE POURED IN AN ALTERNATING STRIP SYSTEM TO ALLOW PROPER SHRINKAGE.
10. CONSTRUCT CONTRACTION (CONTROL) JOINTS IN PADS TO FORM PANELS. PROVIDE JOINTS NOT EXCEEDING 15 FEET IN EITHER DIRECTION AND LOCATED TO CONFORM TO BAY SPACING WHEREVER POSSIBLE. OTHER LOCATIONS MUST BE APPROVED BY THE STRUCTURAL ENGINEER.
11. PROVIDE ISOLATION JOINTS IN PADS AT POINTS OF CONTACT BETWEEN PADS AND VERTICAL SURFACES. AT OTHER LOCATIONS, PROVIDE JOINTS NOT EXCEEDING 60 FEET IN EITHER DIRECTION. OTHER SPACING MUST BE APPROVED BY THE STRUCTURAL ENGINEER.
12. CONTRACTOR MAY USE SAWED CONTROL JOINTS SUBJECT TO APPROVAL.

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REV.	DATE	DESCRIPTION	BY

JOB NO. 0953-01-002

DRAWN

CHECKED

APPROVED

SEAL

PROJECT

CHAMP CONSTRUCTION
48 SEWELL STREET, HEMPSTEAD, NY 11550

DRAWING TITLE

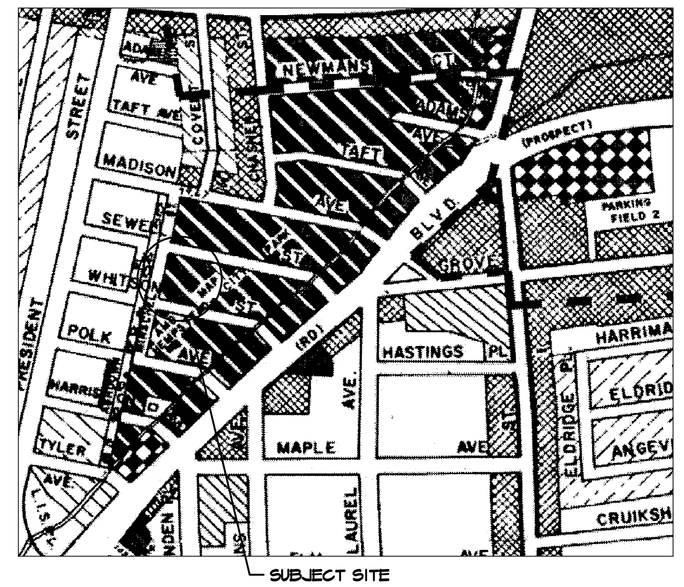
SLAB CONNECTION TO EXISTING FOUNDATION

Galli Engineering, P.C.
35 PINELAWN ROAD, SUITE 208E
MELVILLE, NEW YORK 11747
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DATE	SCALE	DRAWING NO.
4/28/14	AS NOTED	1 OF 1



N



KEY MAP
(N.T.S.)

PROPERTY INFORMATION:

PROPERTY: 0.687AC
SECTION: 35
BLOCK: 637
LOTS: 21-25 AND 77-81

LEGEND:

- PROPERTY LINE
- LOT LINE
- EASEMENT
- BUILDING
- FENCE
- BRUSH LINE, TREE LINE
- MAJOR CONTOUR LINE 215
- MINOR CONTOUR LINE
- SPOT ELEVATION
- TREES — DECIDUOUS — CONIFEROUS

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REV.	DATE	DESCRIPTION	BY

JOB NO. 0953-01-002

DRAWN

CHECKED

APPROVED

SEAL

PROJECT
CHAMP CONSTRUCTION
YARD WASTE AND C&D TRANSFER STATION

DRAWING TITLE
AS - CONSTRUCTED UTILITY PLAN

Galli Engineering, P.C.
35 PINELAWN ROAD, SUITE 208E
MELVILLE, NEW YORK 11747
PH: 1-631-271-6232 FAX: 1-631-271-6945

DATE 04/29/13

SCALE 1" = 20'

DRAWING NO. 4 OF 9

APPENDIX I

CAMP AND CAMP RESULTS

specifications was placed at the site for use and in case of emergency. LEVEL D protection will consist of the following:

a. Coveralls
b. Gloves
c. Construction boat / shoe
d. Hard hat (excavation)
e. Safety glasses

In case of high readings of monitored contaminants in the air, all on-site personnel will revert to Level C protection. Level C protection will include full face mask equipped with air-purifying canisters, in addition to items listed for Level D protection. As a part of HASP general rules, the following recommendations are to be followed:

a. Prior to start and end of each work day, a safety meeting must be held.
b. A first aid kit must be provided at the site and the location known to all personnel
c. Eating, drinking, smoking, and alcohol in the work zones are prohibited.
d. A standard fire extinguisher must be available in the work zone.
e. All on-site equipments must be explosion proof.
f. No vehicles are allowed within the work zones.
g. A sign in sheet will be provided to document all visitors to the site.

6.0 COMMUNITY AIR MONITORING PROGRAM (CAMP)

Community Air Monitoring Plan (CAMP) is intended to provide real-time monitoring of volatile organics (VOC's) and particulates (i.e. dust) at the downwind perimeter of the designated work area. It is also used to measure the level of protection for the downwind community, mostly off-site sensitive receptors, residential and businesses and on-site workers. Given the very low levels of VOC's at the site, it was monitored periodically, while the particulates were continuously monitored throughout the duration of the excavation. The results of the monitoring activities are enclosed in Appendix E.

Periodic monitoring of the VOC's was conducted only during the collection of the soil end-point samples. The readings for VOC's in the air were non-detectible (ND) and or equal to the background measurements.

Particulate monitoring was continuously monitored at the downwind area (exclusion zone) of the site using Thermo MIE pDR 1000 (Personal Data Ram). Prior to the start of work, upwind and downwind concentrations of the particulates and VOC's were conducted to establish background concentrations at both areas. Appendix E showed that levels of the particulates were below the recommended action concentration level of

APPENDIX E

RESULTS OF AIR MONITORING PROGRAM (CAMP)

pDR-1000
Tag Number: 08
Number of logged points: 394
Start time and date: 09:58:11 16-Nov
Elapsed time: 06:34:00
Logging period (sec): 60
Calibration Factor (%): 100
Max Display Concentration: 0.371 mg/m³
Time at maximum: 13:49:16 Nov 16
Max STEL Concentration: 0.058 mg/m³
Time at max STEL: 14:01:41 Nov 16
Overall Avg Conc: 0.040 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	16 Nov,	09:59:11,	0.051
2,	16 Nov,	10:00:11,	0.043
3,	16 Nov,	10:01:11,	0.048
4,	16 Nov,	10:02:11,	0.037
5,	16 Nov,	10:03:11,	0.021
6,	16 Nov,	10:04:11,	0.041
7,	16 Nov,	10:05:11,	0.041
8,	16 Nov,	10:06:11,	0.040
9,	16 Nov,	10:07:11,	0.040
10,	16 Nov,	10:08:11,	0.040
11,	16 Nov,	10:09:11,	0.034
12,	16 Nov,	10:10:11,	0.055
13,	16 Nov,	10:11:11,	0.040
14,	16 Nov,	10:12:11,	0.045
15,	16 Nov,	10:13:11,	0.041
16,	16 Nov,	10:14:11,	0.045
17,	16 Nov,	10:15:11,	0.040
18,	16 Nov,	10:16:11,	0.043
19,	16 Nov,	10:17:11,	0.039
20,	16 Nov,	10:18:11,	0.040
21,	16 Nov,	10:19:11,	0.039
22,	16 Nov,	10:20:11,	0.039
23,	16 Nov,	10:21:11,	0.040
24,	16 Nov,	10:22:11,	0.040
25,	16 Nov,	10:23:11,	0.040
26,	16 Nov,	10:24:11,	0.040
27,	16 Nov,	10:25:11,	0.040
28,	16 Nov,	10:26:11,	0.045
29,	16 Nov,	10:27:11,	0.042
30,	16 Nov,	10:28:11,	0.047
31,	16 Nov,	10:29:11,	0.040
32,	16 Nov,	10:30:11,	0.050
33,	16 Nov,	10:31:11,	0.040
34,	16 Nov,	10:32:11,	0.039
35,	16 Nov,	10:33:11,	0.041
36,	16 Nov,	10:34:11,	0.042
37,	16 Nov,	10:35:11,	0.038
38,	16 Nov,	10:36:11,	0.039
39,	16 Nov,	10:37:11,	0.041
40,	16 Nov,	10:38:11,	0.038
41,	16 Nov,	10:39:11,	0.037
42,	16 Nov,	10:40:11,	0.039
43,	16 Nov,	10:41:11,	0.038
44,	16 Nov,	10:42:11,	0.045
45,	16 Nov,	10:43:11,	0.040
46,	16 Nov,	10:44:11,	0.037
47,	16 Nov,	10:45:11,	0.037
48,	16 Nov,	10:46:11,	0.040
49,	16 Nov,	10:47:11,	0.071
50,	16 Nov,	10:48:11,	0.043
51,	16 Nov,	10:49:11,	0.047
52,	16 Nov,	10:50:11,	0.053
53,	16 Nov,	10:51:11,	0.042
54,	16 Nov,	10:52:11,	0.047
55,	16 Nov,	10:53:11,	0.065
56,	16 Nov,	10:54:11,	0.046
57,	16 Nov,	10:55:11,	0.042

58,	16	Nov,	10:56:11,	0.039
59,	16	Nov,	10:57:11,	0.040
60,	16	Nov,	10:58:11,	0.045
61,	16	Nov,	10:59:11,	0.042
62,	16	Nov,	11:00:11,	0.041
63,	16	Nov,	11:01:11,	0.042
64,	16	Nov,	11:02:11,	0.048
65,	16	Nov,	11:03:11,	0.041
66,	16	Nov,	11:04:11,	0.038
67,	16	Nov,	11:05:11,	0.042
68,	16	Nov,	11:06:11,	0.040
69,	16	Nov,	11:07:11,	0.077
70,	16	Nov,	11:08:11,	0.054
71,	16	Nov,	11:09:11,	0.045
72,	16	Nov,	11:10:11,	0.043
73,	16	Nov,	11:11:11,	0.049
74,	16	Nov,	11:12:11,	0.048
75,	16	Nov,	11:13:11,	0.059
76,	16	Nov,	11:14:11,	0.065
77,	16	Nov,	11:15:11,	0.049
78,	16	Nov,	11:16:11,	0.059
79,	16	Nov,	11:17:11,	0.067
80,	16	Nov,	11:18:11,	0.054
81,	16	Nov,	11:19:11,	0.066
82,	16	Nov,	11:20:11,	0.059
83,	16	Nov,	11:21:11,	0.037
84,	16	Nov,	11:22:11,	0.057
85,	16	Nov,	11:23:11,	0.044
86,	16	Nov,	11:24:11,	0.045
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92,	16	Nov,	11:30:11,	0.045
93,	16	Nov,	11:31:11,	0.047
94,	16	Nov,	11:32:11,	0.042
95,	16	Nov,	11:33:11,	0.041
96,	16	Nov,	11:34:11,	0.041
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98,	16	Nov,	11:36:11,	0.050
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101,	16	Nov,	11:39:11,	0.038
102,	16	Nov,	11:40:11,	0.043
103,	16	Nov,	11:41:11,	0.051
104,	16	Nov,	11:42:11,	0.045
105,	16	Nov,	11:43:11,	0.041
106,	16	Nov,	11:44:11,	0.043
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125,	16	Nov,	12:03:11,	0.040
126,	16	Nov,	12:04:11,	0.040
127,	16	Nov,	12:05:11,	0.038
128,	16	Nov,	12:06:11,	0.038

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183,	16	Nov,	13:01:11,	0.046
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273,	16	Nov,	14:31:11,	0.035
274,	16	Nov,	14:32:11,	0.039
275,	16	Nov,	14:33:11,	0.035
276,	16	Nov,	14:34:11,	0.039
277,	16	Nov,	14:35:11,	0.038
278,	16	Nov,	14:36:11,	0.041
279,	16	Nov,	14:37:11,	0.042
280,	16	Nov,	14:38:11,	0.049
281,	16	Nov,	14:39:11,	0.037
282,	16	Nov,	14:40:11,	0.036
283,	16	Nov,	14:41:11,	0.040
284,	16	Nov,	14:42:11,	0.036
285,	16	Nov,	14:43:11,	0.033
286,	16	Nov,	14:44:11,	0.033
287,	16	Nov,	14:45:11,	0.034
288,	16	Nov,	14:46:11,	0.041
289,	16	Nov,	14:47:11,	0.034
290,	16	Nov,	14:48:11,	0.035
291,	16	Nov,	14:49:11,	0.042
292,	16	Nov,	14:50:11,	0.038
293,	16	Nov,	14:51:11,	0.032
294,	16	Nov,	14:52:11,	0.032
295,	16	Nov,	14:53:11,	0.034
296,	16	Nov,	14:54:11,	0.034
297,	16	Nov,	14:55:11,	0.038
298,	16	Nov,	14:56:11,	0.034
299,	16	Nov,	14:57:11,	0.039
300,	16	Nov,	14:58:11,	0.038
301,	16	Nov,	14:59:11,	0.043
302,	16	Nov,	15:00:11,	0.036
303,	16	Nov,	15:01:11,	0.038
304,	16	Nov,	15:02:11,	0.035
305,	16	Nov,	15:03:11,	0.037
306,	16	Nov,	15:04:11,	0.039
307,	16	Nov,	15:05:11,	0.036
308,	16	Nov,	15:06:11,	0.037
309,	16	Nov,	15:07:11,	0.037
310,	16	Nov,	15:08:11,	0.038
311,	16	Nov,	15:09:11,	0.037
312,	16	Nov,	15:10:11,	0.035
313,	16	Nov,	15:11:11,	0.036
314,	16	Nov,	15:12:11,	0.036
315,	16	Nov,	15:13:11,	0.038
316,	16	Nov,	15:14:11,	0.040
317,	16	Nov,	15:15:11,	0.037
318,	16	Nov,	15:16:11,	0.034
319,	16	Nov,	15:17:11,	0.033
320,	16	Nov,	15:18:11,	0.035
321,	16	Nov,	15:19:11,	0.039
322,	16	Nov,	15:20:11,	0.034
323,	16	Nov,	15:21:11,	0.035
324,	16	Nov,	15:22:11,	0.037
325,	16	Nov,	15:23:11,	0.035
326,	16	Nov,	15:24:11,	0.033
327,	16	Nov,	15:25:11,	0.039
328,	16	Nov,	15:26:11,	0.039
329,	16	Nov,	15:27:11,	0.036
330,	16	Nov,	15:28:11,	0.034
331,	16	Nov,	15:29:11,	0.033
332,	16	Nov,	15:30:11,	0.036
333,	16	Nov,	15:31:11,	0.055
334,	16	Nov,	15:32:11,	0.056
335,	16	Nov,	15:33:11,	0.049
336,	16	Nov,	15:34:11,	0.044
337,	16	Nov,	15:35:11,	0.056
338,	16	Nov,	15:36:11,	0.069
339,	16	Nov,	15:37:11,	0.057
340,	16	Nov,	15:38:11,	0.053
341,	16	Nov,	15:39:11,	0.050

342, 16 Nov, 15:40:11, 0.047
343, 16 Nov, 15:41:11, 0.042
344, 16 Nov, 15:42:11, 0.037
345, 16 Nov, 15:43:11, 0.037
346, 16 Nov, 15:44:11, 0.041
347, 16 Nov, 15:45:11, 0.037
348, 16 Nov, 15:46:11, 0.044
349, 16 Nov, 15:47:11, 0.054
350, 16 Nov, 15:48:11, 0.041
351, 16 Nov, 15:49:11, 0.038
352, 16 Nov, 15:50:11, 0.034
353, 16 Nov, 15:51:11, 0.035
354, 16 Nov, 15:52:11, 0.034
355, 16 Nov, 15:53:11, 0.034
356, 16 Nov, 15:54:11, 0.036
357, 16 Nov, 15:55:11, 0.033
358, 16 Nov, 15:56:11, 0.031
359, 16 Nov, 15:57:11, 0.035
360, 16 Nov, 15:58:11, 0.039
361, 16 Nov, 15:59:11, 0.033
362, 16 Nov, 16:00:11, 0.035
363, 16 Nov, 16:01:11, 0.046
364, 16 Nov, 16:02:11, 0.034
365, 16 Nov, 16:03:11, 0.042
366, 16 Nov, 16:04:11, 0.065
367, 16 Nov, 16:05:11, 0.045
368, 16 Nov, 16:06:11, 0.040
369, 16 Nov, 16:07:11, 0.036
370, 16 Nov, 16:08:11, 0.036
371, 16 Nov, 16:09:11, 0.032
372, 16 Nov, 16:10:11, 0.037
373, 16 Nov, 16:11:11, 0.032
374, 16 Nov, 16:12:11, 0.036
375, 16 Nov, 16:13:11, 0.035
376, 16 Nov, 16:14:11, 0.032
377, 16 Nov, 16:15:11, 0.036
378, 16 Nov, 16:16:11, 0.039
379, 16 Nov, 16:17:11, 0.039
380, 16 Nov, 16:18:11, 0.031
381, 16 Nov, 16:19:11, 0.037
382, 16 Nov, 16:20:11, 0.036
383, 16 Nov, 16:21:11, 0.045
384, 16 Nov, 16:22:11, 0.040
385, 16 Nov, 16:23:11, 0.037
386, 16 Nov, 16:24:11, 0.034
387, 16 Nov, 16:25:11, 0.040
388, 16 Nov, 16:26:11, 0.035
389, 16 Nov, 16:27:11, 0.038
390, 16 Nov, 16:28:11, 0.038
391, 16 Nov, 16:29:11, 0.037
392, 16 Nov, 16:30:11, 0.033
393, 16 Nov, 16:31:11, 0.036
394, 16 Nov, 16:32:11, 0.031

DDR-1000
Tag Number: 09
Number of logged points: 357
Start time and date: 09:12:57 17-Nov
Elapsed time: 05:57:00
Logging period (sec): 60
Calibration Factor (%): 100
Max Display Concentration: 2.757 mg/m³
Time at maximum: 09:16:53 Nov 17
Max STEL Concentration: 0.123 mg/m³
Time at max STEL: 09:30:57 Nov 17
Overall Avg Conc: 0.049 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	17 Nov,	09:13:57,	0.034
2,	17 Nov,	09:14:57,	0.039
3,	17 Nov,	09:15:57,	0.038
4,	17 Nov,	09:16:57,	0.580
5,	17 Nov,	09:17:57,	0.302
6,	17 Nov,	09:18:57,	0.097
7,	17 Nov,	09:19:57,	0.057
8,	17 Nov,	09:20:57,	0.048
9,	17 Nov,	09:21:57,	0.070
10,	17 Nov,	09:22:57,	0.088
11,	17 Nov,	09:23:57,	0.052
12,	17 Nov,	09:24:57,	0.075
13,	17 Nov,	09:25:57,	0.048
14,	17 Nov,	09:26:57,	0.115
15,	17 Nov,	09:27:57,	0.046
16,	17 Nov,	09:28:57,	0.114
17,	17 Nov,	09:29:57,	0.091
18,	17 Nov,	09:30:57,	0.056
19,	17 Nov,	09:31:57,	0.055
20,	17 Nov,	09:32:57,	0.062
21,	17 Nov,	09:33:57,	0.051
22,	17 Nov,	09:34:57,	0.033
23,	17 Nov,	09:35:57,	0.033
24,	17 Nov,	09:36:57,	0.055
25,	17 Nov,	09:37:57,	0.090
26,	17 Nov,	09:38:57,	0.047
27,	17 Nov,	09:39:57,	0.056
28,	17 Nov,	09:40:57,	0.126
29,	17 Nov,	09:41:57,	0.078
30,	17 Nov,	09:42:57,	0.066
31,	17 Nov,	09:43:57,	0.103
32,	17 Nov,	09:44:57,	0.096
33,	17 Nov,	09:45:57,	0.070
34,	17 Nov,	09:46:57,	0.048
35,	17 Nov,	09:47:57,	0.047
36,	17 Nov,	09:48:57,	0.130
37,	17 Nov,	09:49:57,	0.093
38,	17 Nov,	09:50:57,	0.089
39,	17 Nov,	09:51:57,	0.068
40,	17 Nov,	09:52:57,	0.057
41,	17 Nov,	09:53:57,	0.179
42,	17 Nov,	09:54:57,	0.131
43,	17 Nov,	09:55:57,	0.052
44,	17 Nov,	09:56:57,	0.045
45,	17 Nov,	09:57:57,	0.040
46,	17 Nov,	09:58:57,	0.040
47,	17 Nov,	09:59:57,	0.035
48,	17 Nov,	10:00:57,	0.044
49,	17 Nov,	10:01:57,	0.041
50,	17 Nov,	10:02:57,	0.049
51,	17 Nov,	10:03:57,	0.042
52,	17 Nov,	10:04:57,	0.037
53,	17 Nov,	10:05:57,	0.034
54,	17 Nov,	10:06:57,	0.041
55,	17 Nov,	10:07:57,	0.036
56,	17 Nov,	10:08:57,	0.045
57,	17 Nov,	10:09:57,	0.064

58,	17	Nov,	10:10:57,	0.058
59,	17	Nov,	10:11:57,	0.046
60,	17	Nov,	10:12:57,	0.042
61,	17	Nov,	10:13:57,	0.060
62,	17	Nov,	10:14:57,	0.046
63,	17	Nov,	10:15:57,	0.061
64,	17	Nov,	10:16:57,	0.041
65,	17	Nov,	10:17:57,	0.180
66,	17	Nov,	10:18:57,	0.068
67,	17	Nov,	10:19:57,	0.133
68,	17	Nov,	10:20:57,	0.075
69,	17	Nov,	10:21:57,	0.052
70,	17	Nov,	10:22:57,	0.046
71,	17	Nov,	10:23:57,	0.050
72,	17	Nov,	10:24:57,	0.055
73,	17	Nov,	10:25:57,	0.060
74,	17	Nov,	10:26:57,	0.039
75,	17	Nov,	10:27:57,	0.032
76,	17	Nov,	10:28:57,	0.039
77,	17	Nov,	10:29:57,	0.072
78,	17	Nov,	10:30:57,	0.048
79,	17	Nov,	10:31:57,	0.038
80,	17	Nov,	10:32:57,	0.037
81,	17	Nov,	10:33:57,	0.040
82,	17	Nov,	10:34:57,	0.035
83,	17	Nov,	10:35:57,	0.035
84,	17	Nov,	10:36:57,	0.036
85,	17	Nov,	10:37:57,	0.035
86,	17	Nov,	10:38:57,	0.037
87,	17	Nov,	10:39:57,	0.034
88,	17	Nov,	10:40:57,	0.035
89,	17	Nov,	10:41:57,	0.047
90,	17	Nov,	10:42:57,	0.039
91,	17	Nov,	10:43:57,	0.034
92,	17	Nov,	10:44:57,	0.044
93,	17	Nov,	10:45:57,	0.071
94,	17	Nov,	10:46:57,	0.045
95,	17	Nov,	10:47:57,	0.059
96,	17	Nov,	10:48:57,	0.079
97,	17	Nov,	10:49:57,	0.043
98,	17	Nov,	10:50:57,	0.097
99,	17	Nov,	10:51:57,	0.041
100,	17	Nov,	10:52:57,	0.044
101,	17	Nov,	10:53:57,	0.048
102,	17	Nov,	10:54:57,	0.046
103,	17	Nov,	10:55:57,	0.038
104,	17	Nov,	10:56:57,	0.038
105,	17	Nov,	10:57:57,	0.069
106,	17	Nov,	10:58:57,	0.075
107,	17	Nov,	10:59:57,	0.058
108,	17	Nov,	11:00:57,	0.038
109,	17	Nov,	11:01:57,	0.046
110,	17	Nov,	11:02:57,	0.061
111,	17	Nov,	11:03:57,	0.049
112,	17	Nov,	11:04:57,	0.037
113,	17	Nov,	11:05:57,	0.037
114,	17	Nov,	11:06:57,	0.039
115,	17	Nov,	11:07:57,	0.043
116,	17	Nov,	11:08:57,	0.042
117,	17	Nov,	11:09:57,	0.050
118,	17	Nov,	11:10:57,	0.039
119,	17	Nov,	11:11:57,	0.038
120,	17	Nov,	11:12:57,	0.057
121,	17	Nov,	11:13:57,	0.047
122,	17	Nov,	11:14:57,	0.048
123,	17	Nov,	11:15:57,	0.038
124,	17	Nov,	11:16:57,	0.040
125,	17	Nov,	11:17:57,	0.037
126,	17	Nov,	11:18:57,	0.042
127,	17	Nov,	11:19:57,	0.038
128,	17	Nov,	11:20:57,	0.043

129,	17	Nov,	11:21:57,	0.042
130,	17	Nov,	11:22:57,	0.045
131,	17	Nov,	11:23:57,	0.044
132,	17	Nov,	11:24:57,	0.039
133,	17	Nov,	11:25:57,	0.036
134,	17	Nov,	11:26:57,	0.034
135,	17	Nov,	11:27:57,	0.038
136,	17	Nov,	11:28:57,	0.054
137,	17	Nov,	11:29:57,	0.059
138,	17	Nov,	11:30:57,	0.040
139,	17	Nov,	11:31:57,	0.035
140,	17	Nov,	11:32:57,	0.057
141,	17	Nov,	11:33:57,	0.035
142,	17	Nov,	11:34:57,	0.044
143,	17	Nov,	11:35:57,	0.035
144,	17	Nov,	11:36:57,	0.036
145,	17	Nov,	11:37:57,	0.039
146,	17	Nov,	11:38:57,	0.039
147,	17	Nov,	11:39:57,	0.038
148,	17	Nov,	11:40:57,	0.041
149,	17	Nov,	11:41:57,	0.034
150,	17	Nov,	11:42:57,	0.037
151,	17	Nov,	11:43:57,	0.038
152,	17	Nov,	11:44:57,	0.041
153,	17	Nov,	11:45:57,	0.038
154,	17	Nov,	11:46:57,	0.050
155,	17	Nov,	11:47:57,	0.117
156,	17	Nov,	11:48:57,	0.107
157,	17	Nov,	11:49:57,	0.066
158,	17	Nov,	11:50:57,	0.044
159,	17	Nov,	11:51:57,	0.058
160,	17	Nov,	11:52:57,	0.050
161,	17	Nov,	11:53:57,	0.042
162,	17	Nov,	11:54:57,	0.070
163,	17	Nov,	11:55:57,	0.097
164,	17	Nov,	11:56:57,	0.055
165,	17	Nov,	11:57:57,	0.033
166,	17	Nov,	11:58:57,	0.033
167,	17	Nov,	11:59:57,	0.033
168,	17	Nov,	12:00:57,	0.058
169,	17	Nov,	12:01:57,	0.052
170,	17	Nov,	12:02:57,	0.114
171,	17	Nov,	12:03:57,	0.054
172,	17	Nov,	12:04:57,	0.066
173,	17	Nov,	12:05:57,	0.083
174,	17	Nov,	12:06:57,	0.047
175,	17	Nov,	12:07:57,	0.054
176,	17	Nov,	12:08:57,	0.055
177,	17	Nov,	12:09:57,	0.038
178,	17	Nov,	12:10:57,	0.036
179,	17	Nov,	12:11:57,	0.037
180,	17	Nov,	12:12:57,	0.041
181,	17	Nov,	12:13:57,	0.035
182,	17	Nov,	12:14:57,	0.036
183,	17	Nov,	12:15:57,	0.048
184,	17	Nov,	12:16:57,	0.037
185,	17	Nov,	12:17:57,	0.035
186,	17	Nov,	12:18:57,	0.032
187,	17	Nov,	12:19:57,	0.041
188,	17	Nov,	12:20:57,	0.040
189,	17	Nov,	12:21:57,	0.043
190,	17	Nov,	12:22:57,	0.034
191,	17	Nov,	12:23:57,	0.041
192,	17	Nov,	12:24:57,	0.038
193,	17	Nov,	12:25:57,	0.034
194,	17	Nov,	12:26:57,	0.036
195,	17	Nov,	12:27:57,	0.031
196,	17	Nov,	12:28:57,	0.035
197,	17	Nov,	12:29:57,	0.037
198,	17	Nov,	12:30:57,	0.044
199,	17	Nov,	12:31:57,	0.032

200,	17	Nov,	12:32:57,	0.045
201,	17	Nov,	12:33:57,	0.034
202,	17	Nov,	12:34:57,	0.047
203,	17	Nov,	12:35:57,	0.049
204,	17	Nov,	12:36:57,	0.039
205,	17	Nov,	12:37:57,	0.045
206,	17	Nov,	12:38:57,	0.037
207,	17	Nov,	12:39:57,	0.045
208,	17	Nov,	12:40:57,	0.042
209,	17	Nov,	12:41:57,	0.045
210,	17	Nov,	12:42:57,	0.038
211,	17	Nov,	12:43:57,	0.033
212,	17	Nov,	12:44:57,	0.036
213,	17	Nov,	12:45:57,	0.035
214,	17	Nov,	12:46:57,	0.035
215,	17	Nov,	12:47:57,	0.034
216,	17	Nov,	12:48:57,	0.036
217,	17	Nov,	12:49:57,	0.045
218,	17	Nov,	12:50:57,	0.033
219,	17	Nov,	12:51:57,	0.032
220,	17	Nov,	12:52:57,	0.099
221,	17	Nov,	12:53:57,	0.052
222,	17	Nov,	12:54:57,	0.036
223,	17	Nov,	12:55:57,	0.042
224,	17	Nov,	12:56:57,	0.045
225,	17	Nov,	12:57:57,	0.047
226,	17	Nov,	12:58:57,	0.044
227,	17	Nov,	12:59:57,	0.045
228,	17	Nov,	13:00:57,	0.044
229,	17	Nov,	13:01:57,	0.154
230,	17	Nov,	13:02:57,	0.040
231,	17	Nov,	13:03:57,	0.046
232,	17	Nov,	13:04:57,	0.064
233,	17	Nov,	13:05:57,	0.041
234,	17	Nov,	13:06:57,	0.049
235,	17	Nov,	13:07:57,	0.037
236,	17	Nov,	13:08:57,	0.035
237,	17	Nov,	13:09:57,	0.037
238,	17	Nov,	13:10:57,	0.036
239,	17	Nov,	13:11:57,	0.038
240,	17	Nov,	13:12:57,	0.036
241,	17	Nov,	13:13:57,	0.036
242,	17	Nov,	13:14:57,	0.035
243,	17	Nov,	13:15:57,	0.036
244,	17	Nov,	13:16:57,	0.037
245,	17	Nov,	13:17:57,	0.035
246,	17	Nov,	13:18:57,	0.036
247,	17	Nov,	13:19:57,	0.036
248,	17	Nov,	13:20:57,	0.037
249,	17	Nov,	13:21:57,	0.037
250,	17	Nov,	13:22:57,	0.037
251,	17	Nov,	13:23:57,	0.036
252,	17	Nov,	13:24:57,	0.037
253,	17	Nov,	13:25:57,	0.037
254,	17	Nov,	13:26:57,	0.037
255,	17	Nov,	13:27:57,	0.037
256,	17	Nov,	13:28:57,	0.037
257,	17	Nov,	13:29:57,	0.039
258,	17	Nov,	13:30:57,	0.038
259,	17	Nov,	13:31:57,	0.037
260,	17	Nov,	13:32:57,	0.038
261,	17	Nov,	13:33:57,	0.036
262,	17	Nov,	13:34:57,	0.037
263,	17	Nov,	13:35:57,	0.040
264,	17	Nov,	13:36:57,	0.038
265,	17	Nov,	13:37:57,	0.038
266,	17	Nov,	13:38:57,	0.038
267,	17	Nov,	13:39:57,	0.037
268,	17	Nov,	13:40:57,	0.036
269,	17	Nov,	13:41:57,	0.037
270,	17	Nov,	13:42:57,	0.038

271,	17 Nov,	13:43:57,	0.036
272,	17 Nov,	13:44:57,	0.037
273,	17 Nov,	13:45:57,	0.038
274,	17 Nov,	13:46:57,	0.038
275,	17 Nov,	13:47:57,	0.040
276,	17 Nov,	13:48:57,	0.038
277,	17 Nov,	13:49:57,	0.039
278,	17 Nov,	13:50:57,	0.037
279,	17 Nov,	13:51:57,	0.037
280,	17 Nov,	13:52:57,	0.042
281,	17 Nov,	13:53:57,	0.038
282,	17 Nov,	13:54:57,	0.037
283,	17 Nov,	13:55:57,	0.039
284,	17 Nov,	13:56:57,	0.037
285,	17 Nov,	13:57:57,	0.038
286,	17 Nov,	13:58:57,	0.038
287,	17 Nov,	13:59:57,	0.038
288,	17 Nov,	14:00:57,	0.041
289,	17 Nov,	14:01:57,	0.037
290,	17 Nov,	14:02:57,	0.042
291,	17 Nov,	14:03:57,	0.039
292,	17 Nov,	14:04:57,	0.039
293,	17 Nov,	14:05:57,	0.040
294,	17 Nov,	14:06:57,	0.039
295,	17 Nov,	14:07:57,	0.038
296,	17 Nov,	14:08:57,	0.038
297,	17 Nov,	14:09:57,	0.055
298,	17 Nov,	14:10:57,	0.042
299,	17 Nov,	14:11:57,	0.039
300,	17 Nov,	14:12:57,	0.039
301,	17 Nov,	14:13:57,	0.039
302,	17 Nov,	14:14:57,	0.038
303,	17 Nov,	14:15:57,	0.039
304,	17 Nov,	14:16:57,	0.040
305,	17 Nov,	14:17:57,	0.038
306,	17 Nov,	14:18:57,	0.043
307,	17 Nov,	14:19:57,	0.038
308,	17 Nov,	14:20:57,	0.039
309,	17 Nov,	14:21:57,	0.039
310,	17 Nov,	14:22:57,	0.040
311,	17 Nov,	14:23:57,	0.038
312,	17 Nov,	14:24:57,	0.039
313,	17 Nov,	14:25:57,	0.041
314,	17 Nov,	14:26:57,	0.057
315,	17 Nov,	14:27:57,	0.038
316,	17 Nov,	14:28:57,	0.036
317,	17 Nov,	14:29:57,	0.028
318,	17 Nov,	14:30:57,	0.077
319,	17 Nov,	14:31:57,	0.091
320,	17 Nov,	14:32:57,	0.038
321,	17 Nov,	14:33:57,	0.040
322,	17 Nov,	14:34:57,	0.039
323,	17 Nov,	14:35:57,	0.048
324,	17 Nov,	14:36:57,	0.043
325,	17 Nov,	14:37:57,	0.041
326,	17 Nov,	14:38:57,	0.039
327,	17 Nov,	14:39:57,	0.037
328,	17 Nov,	14:40:57,	0.035
329,	17 Nov,	14:41:57,	0.035
330,	17 Nov,	14:42:57,	0.038
331,	17 Nov,	14:43:57,	0.035
332,	17 Nov,	14:44:57,	0.036
333,	17 Nov,	14:45:57,	0.037
334,	17 Nov,	14:46:57,	0.033
335,	17 Nov,	14:47:57,	0.033
336,	17 Nov,	14:48:57,	0.033
337,	17 Nov,	14:49:57,	0.034
338,	17 Nov,	14:50:57,	0.036
339,	17 Nov,	14:51:57,	0.040
340,	17 Nov,	14:52:57,	0.035
341,	17 Nov,	14:53:57,	0.035

342, 17 Nov, 14:54:57, 0.037
343, 17 Nov, 14:55:57, 0.041
344, 17 Nov, 14:56:57, 0.037
345, 17 Nov, 14:57:57, 0.034
346, 17 Nov, 14:58:57, 0.030
347, 17 Nov, 14:59:57, 0.032
348, 17 Nov, 15:00:57, 0.033
349, 17 Nov, 15:01:57, 0.033
350, 17 Nov, 15:02:57, 0.032
351, 17 Nov, 15:03:57, 0.036
352, 17 Nov, 15:04:57, 0.034
353, 17 Nov, 15:05:57, 0.031
354, 17 Nov, 15:06:57, 0.031
355, 17 Nov, 15:07:57, 0.033
356, 17 Nov, 15:08:57, 0.034
357, 17 Nov, 15:09:57, 0.042

DDR-1000
Tag Number: 10
Number of logged points: 248
Start time and date: 08:57:41 18-Nov
Elapsed time: 04:08:00
Logging period (sec): 60
Calibration Factor (%): 100
Max Display Concentration: 3.509 mg/m³
Time at maximum: 11:57:45 Nov 18
Max STEL Concentration: 0.116 mg/m³
Time at max STEL: 11:58:11 Nov 18
Overall Avg Conc: 0.054 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	18 Nov,	08:58:41,	0.050
2,	18 Nov,	08:59:41,	0.045
3,	18 Nov,	09:00:41,	0.046
4,	18 Nov,	09:01:41,	0.043
5,	18 Nov,	09:02:41,	0.047
6,	18 Nov,	09:03:41,	0.047
7,	18 Nov,	09:04:41,	0.042
8,	18 Nov,	09:05:41,	0.041
9,	18 Nov,	09:06:41,	0.038
10,	18 Nov,	09:07:41,	0.040
11,	18 Nov,	09:08:41,	0.039
12,	18 Nov,	09:09:41,	0.047
13,	18 Nov,	09:10:41,	0.041
14,	18 Nov,	09:11:41,	0.036
15,	18 Nov,	09:12:41,	0.036
16,	18 Nov,	09:13:41,	0.037
17,	18 Nov,	09:14:41,	0.036
18,	18 Nov,	09:15:41,	0.037
19,	18 Nov,	09:16:41,	0.037
20,	18 Nov,	09:17:41,	0.035
21,	18 Nov,	09:18:41,	0.037
22,	18 Nov,	09:19:41,	0.038
23,	18 Nov,	09:20:41,	0.033
24,	18 Nov,	09:21:41,	0.036
25,	18 Nov,	09:22:41,	0.042
26,	18 Nov,	09:23:41,	0.038
27,	18 Nov,	09:24:41,	0.040
28,	18 Nov,	09:25:41,	0.049
29,	18 Nov,	09:26:41,	0.063
30,	18 Nov,	09:27:41,	0.043
31,	18 Nov,	09:28:41,	0.042
32,	18 Nov,	09:29:41,	0.044
33,	18 Nov,	09:30:41,	0.038
34,	18 Nov,	09:31:41,	0.054
35,	18 Nov,	09:32:41,	0.037
36,	18 Nov,	09:33:41,	0.039
37,	18 Nov,	09:34:41,	0.041
38,	18 Nov,	09:35:41,	0.033
39,	18 Nov,	09:36:41,	0.036
40,	18 Nov,	09:37:41,	0.038
41,	18 Nov,	09:38:41,	0.038
42,	18 Nov,	09:39:41,	0.044
43,	18 Nov,	09:40:41,	0.034
44,	18 Nov,	09:41:41,	0.033
45,	18 Nov,	09:42:41,	0.038
46,	18 Nov,	09:43:41,	0.039
47,	18 Nov,	09:44:41,	0.040
48,	18 Nov,	09:45:41,	0.038
49,	18 Nov,	09:46:41,	0.037
50,	18 Nov,	09:47:41,	0.060
51,	18 Nov,	09:48:41,	0.043
52,	18 Nov,	09:49:41,	0.038
53,	18 Nov,	09:50:41,	0.042
54,	18 Nov,	09:51:41,	0.037
55,	18 Nov,	09:52:41,	0.050
56,	18 Nov,	09:53:41,	0.059
57,	18 Nov,	09:54:41,	0.061

58,	18	Nov,	09:55:41,	0.035
59,	18	Nov,	09:56:41,	0.043
60,	18	Nov,	09:57:41,	0.047
61,	18	Nov,	09:58:41,	0.062
62,	18	Nov,	09:59:41,	0.048
63,	18	Nov,	10:00:41,	0.039
64,	18	Nov,	10:01:41,	0.037
65,	18	Nov,	10:02:41,	0.035
66,	18	Nov,	10:03:41,	0.039
67,	18	Nov,	10:04:41,	0.046
68,	18	Nov,	10:05:41,	0.042
69,	18	Nov,	10:06:41,	0.163
70,	18	Nov,	10:07:41,	0.181
71,	18	Nov,	10:08:41,	0.075
72,	18	Nov,	10:09:41,	0.049
73,	18	Nov,	10:10:41,	0.069
74,	18	Nov,	10:11:41,	0.050
75,	18	Nov,	10:12:41,	0.042
76,	18	Nov,	10:13:41,	0.039
77,	18	Nov,	10:14:41,	0.040
78,	18	Nov,	10:15:41,	0.045
79,	18	Nov,	10:16:41,	0.051
80,	18	Nov,	10:17:41,	0.054
81,	18	Nov,	10:18:41,	0.105
82,	18	Nov,	10:19:41,	0.078
83,	18	Nov,	10:20:41,	0.110
84,	18	Nov,	10:21:41,	0.072
85,	18	Nov,	10:22:41,	0.081
86,	18	Nov,	10:23:41,	0.113
87,	18	Nov,	10:24:41,	0.064
88,	18	Nov,	10:25:41,	0.067
89,	18	Nov,	10:26:41,	0.044
90,	18	Nov,	10:27:41,	0.038
91,	18	Nov,	10:28:41,	0.073
92,	18	Nov,	10:29:41,	0.048
93,	18	Nov,	10:30:41,	0.062
94,	18	Nov,	10:31:41,	0.046
95,	18	Nov,	10:32:41,	0.043
96,	18	Nov,	10:33:41,	0.039
97,	18	Nov,	10:34:41,	0.039
98,	18	Nov,	10:35:41,	0.039
99,	18	Nov,	10:36:41,	0.045
100,	18	Nov,	10:37:41,	0.041
101,	18	Nov,	10:38:41,	0.047
102,	18	Nov,	10:39:41,	0.052
103,	18	Nov,	10:40:41,	0.062
104,	18	Nov,	10:41:41,	0.061
105,	18	Nov,	10:42:41,	0.063
106,	18	Nov,	10:43:41,	0.065
107,	18	Nov,	10:44:41,	0.066
108,	18	Nov,	10:45:41,	0.055
109,	18	Nov,	10:46:41,	0.047
110,	18	Nov,	10:47:41,	0.051
111,	18	Nov,	10:48:41,	0.050
112,	18	Nov,	10:49:41,	0.053
113,	18	Nov,	10:50:41,	0.046
114,	18	Nov,	10:51:41,	0.050
115,	18	Nov,	10:52:41,	0.052
116,	18	Nov,	10:53:41,	0.203
117,	18	Nov,	10:54:41,	0.219
118,	18	Nov,	10:55:41,	0.079
119,	18	Nov,	10:56:41,	0.049
120,	18	Nov,	10:57:41,	0.063
121,	18	Nov,	10:58:41,	0.048
122,	18	Nov,	10:59:41,	0.051
123,	18	Nov,	11:00:41,	0.058
124,	18	Nov,	11:01:41,	0.049
125,	18	Nov,	11:02:41,	0.051
126,	18	Nov,	11:03:41,	0.048
127,	18	Nov,	11:04:41,	0.046
128,	18	Nov,	11:05:41,	0.053

129,	18	Nov,	11:06:41,	0.051
130,	18	Nov,	11:07:41,	0.049
131,	18	Nov,	11:08:41,	0.073
132,	18	Nov,	11:09:41,	0.118
133,	18	Nov,	11:10:41,	0.045
134,	18	Nov,	11:11:41,	0.053
135,	18	Nov,	11:12:41,	0.052
136,	18	Nov,	11:13:41,	0.047
137,	18	Nov,	11:14:41,	0.049
138,	18	Nov,	11:15:41,	0.087
139,	18	Nov,	11:16:41,	0.066
140,	18	Nov,	11:17:41,	0.043
141,	18	Nov,	11:18:41,	0.042
142,	18	Nov,	11:19:41,	0.044
143,	18	Nov,	11:20:41,	0.040
144,	18	Nov,	11:21:41,	0.041
145,	18	Nov,	11:22:41,	0.041
146,	18	Nov,	11:23:41,	0.044
147,	18	Nov,	11:24:41,	0.041
148,	18	Nov,	11:25:41,	0.040
149,	18	Nov,	11:26:41,	0.039
150,	18	Nov,	11:27:41,	0.040
151,	18	Nov,	11:28:41,	0.039
152,	18	Nov,	11:29:41,	0.043
153,	18	Nov,	11:30:41,	0.046
154,	18	Nov,	11:31:41,	0.048
155,	18	Nov,	11:32:41,	0.046
156,	18	Nov,	11:33:41,	0.042
157,	18	Nov,	11:34:41,	0.042
158,	18	Nov,	11:35:41,	0.040
159,	18	Nov,	11:36:41,	0.040
160,	18	Nov,	11:37:41,	0.043
161,	18	Nov,	11:38:41,	0.041
162,	18	Nov,	11:39:41,	0.039
163,	18	Nov,	11:40:41,	0.040
164,	18	Nov,	11:41:41,	0.057
165,	18	Nov,	11:42:41,	0.045
166,	18	Nov,	11:43:41,	0.625
167,	18	Nov,	11:44:41,	0.045
168,	18	Nov,	11:45:41,	0.051
169,	18	Nov,	11:46:41,	0.059
170,	18	Nov,	11:47:41,	0.046
171,	18	Nov,	11:48:41,	0.039
172,	18	Nov,	11:49:41,	0.032
173,	18	Nov,	11:50:41,	0.032
174,	18	Nov,	11:51:41,	0.034
175,	18	Nov,	11:52:41,	0.053
176,	18	Nov,	11:53:41,	0.036
177,	18	Nov,	11:54:41,	0.048
178,	18	Nov,	11:55:41,	0.114
179,	18	Nov,	11:56:41,	0.055
180,	18	Nov,	11:57:41,	0.097
181,	18	Nov,	11:58:41,	0.612
182,	18	Nov,	11:59:41,	0.044
183,	18	Nov,	12:00:41,	0.045
184,	18	Nov,	12:01:41,	0.056
185,	18	Nov,	12:02:41,	0.046
186,	18	Nov,	12:03:41,	0.045
187,	18	Nov,	12:04:41,	0.043
188,	18	Nov,	12:05:41,	0.043
189,	18	Nov,	12:06:41,	0.043
190,	18	Nov,	12:07:41,	0.042
191,	18	Nov,	12:08:41,	0.046
192,	18	Nov,	12:09:41,	0.049
193,	18	Nov,	12:10:41,	0.047
194,	18	Nov,	12:11:41,	0.042
195,	18	Nov,	12:12:41,	0.046
196,	18	Nov,	12:13:41,	0.043
197,	18	Nov,	12:14:41,	0.041
198,	18	Nov,	12:15:41,	0.041
199,	18	Nov,	12:16:41,	0.052

200,	18 Nov,	12:17:41,	0.045
201,	18 Nov,	12:18:41,	0.046
202,	18 Nov,	12:19:41,	0.043
203,	18 Nov,	12:20:41,	0.041
204,	18 Nov,	12:21:41,	0.038
205,	18 Nov,	12:22:41,	0.040
206,	18 Nov,	12:23:41,	0.042
207,	18 Nov,	12:24:41,	0.043
208,	18 Nov,	12:25:41,	0.043
209,	18 Nov,	12:26:41,	0.043
210,	18 Nov,	12:27:41,	0.044
211,	18 Nov,	12:28:41,	0.039
212,	18 Nov,	12:29:41,	0.046
213,	18 Nov,	12:30:41,	0.051
214,	18 Nov,	12:31:41,	0.045
215,	18 Nov,	12:32:41,	0.039
216,	18 Nov,	12:33:41,	0.046
217,	18 Nov,	12:34:41,	0.048
218,	18 Nov,	12:35:41,	0.049
219,	18 Nov,	12:36:41,	0.039
220,	18 Nov,	12:37:41,	0.044
221,	18 Nov,	12:38:41,	0.040
222,	18 Nov,	12:39:41,	0.046
223,	18 Nov,	12:40:41,	0.041
224,	18 Nov,	12:41:41,	0.043
225,	18 Nov,	12:42:41,	0.042
226,	18 Nov,	12:43:41,	0.046
227,	18 Nov,	12:44:41,	0.044
228,	18 Nov,	12:45:41,	0.043
229,	18 Nov,	12:46:41,	0.040
230,	18 Nov,	12:47:41,	0.044
231,	18 Nov,	12:48:41,	0.040
232,	18 Nov,	12:49:41,	0.042
233,	18 Nov,	12:50:41,	0.045
234,	18 Nov,	12:51:41,	0.042
235,	18 Nov,	12:52:41,	0.042
236,	18 Nov,	12:53:41,	0.039
237,	18 Nov,	12:54:41,	0.042
238,	18 Nov,	12:55:41,	0.040
239,	18 Nov,	12:56:41,	0.048
240,	18 Nov,	12:57:41,	0.045
241,	18 Nov,	12:58:41,	0.043
242,	18 Nov,	12:59:41,	0.044
243,	18 Nov,	13:00:41,	0.041
244,	18 Nov,	13:01:41,	0.041
245,	18 Nov,	13:02:41,	0.039
246,	18 Nov,	13:03:41,	0.045
247,	18 Nov,	13:04:41,	0.039
248,	18 Nov,	13:05:41,	0.051

pDR-1000
Tag Number: 11
Number of logged points: 163
Start time and date: 14:02:35 18-Nov
Elapsed time: 02:43:00
Logging period (sec): 60
Calibration Factor (%): 100
Max Display Concentration: 0.514 mg/m³
Time at maximum: 14:18:27 Nov 18
Max STEL Concentration: 0.067 mg/m³
Time at max STEL: 14:19:35 Nov 18
Overall Avg Conc: 0.041 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	18 Nov,	14:03:35,	0.058
2,	18 Nov,	14:04:35,	0.047
3,	18 Nov,	14:05:35,	0.061
4,	18 Nov,	14:06:35,	0.055
5,	18 Nov,	14:07:35,	0.052
6,	18 Nov,	14:08:35,	0.055
7,	18 Nov,	14:09:35,	0.048
8,	18 Nov,	14:10:35,	0.045
9,	18 Nov,	14:11:35,	0.056
10,	18 Nov,	14:12:35,	0.054
11,	18 Nov,	14:13:35,	0.055
12,	18 Nov,	14:14:35,	0.059
13,	18 Nov,	14:15:35,	0.046
14,	18 Nov,	14:16:35,	0.060
15,	18 Nov,	14:17:35,	0.048
16,	18 Nov,	14:18:35,	0.161
17,	18 Nov,	14:19:35,	0.148
18,	18 Nov,	14:20:35,	0.050
19,	18 Nov,	14:21:35,	0.043
20,	18 Nov,	14:22:35,	0.040
21,	18 Nov,	14:23:35,	0.045
22,	18 Nov,	14:24:35,	0.041
23,	18 Nov,	14:25:35,	0.045
24,	18 Nov,	14:26:35,	0.046
25,	18 Nov,	14:27:35,	0.043
26,	18 Nov,	14:28:35,	0.042
27,	18 Nov,	14:29:35,	0.042
28,	18 Nov,	14:30:35,	0.046
29,	18 Nov,	14:31:35,	0.038
30,	18 Nov,	14:32:35,	0.044
31,	18 Nov,	14:33:35,	0.045
32,	18 Nov,	14:34:35,	0.038
33,	18 Nov,	14:35:35,	0.043
34,	18 Nov,	14:36:35,	0.045
35,	18 Nov,	14:37:35,	0.040
36,	18 Nov,	14:38:35,	0.041
37,	18 Nov,	14:39:35,	0.045
38,	18 Nov,	14:40:35,	0.043
39,	18 Nov,	14:41:35,	0.038
40,	18 Nov,	14:42:35,	0.036
41,	18 Nov,	14:43:35,	0.038
42,	18 Nov,	14:44:35,	0.038
43,	18 Nov,	14:45:35,	0.041
44,	18 Nov,	14:46:35,	0.039
45,	18 Nov,	14:47:35,	0.040
46,	18 Nov,	14:48:35,	0.047
47,	18 Nov,	14:49:35,	0.042
48,	18 Nov,	14:50:35,	0.049
49,	18 Nov,	14:51:35,	0.053
50,	18 Nov,	14:52:35,	0.057
51,	18 Nov,	14:53:35,	0.042
52,	18 Nov,	14:54:35,	0.043
53,	18 Nov,	14:55:35,	0.041
54,	18 Nov,	14:56:35,	0.037
55,	18 Nov,	14:57:35,	0.040
56,	18 Nov,	14:58:35,	0.037
57,	18 Nov,	14:59:35,	0.045

58,	18 Nov,	15:00:35,	0.040
59,	18 Nov,	15:01:35,	0.038
60,	18 Nov,	15:02:35,	0.041
61,	18 Nov,	15:03:35,	0.038
62,	18 Nov,	15:04:35,	0.047
63,	18 Nov,	15:05:35,	0.037
64,	18 Nov,	15:06:35,	0.037
65,	18 Nov,	15:07:35,	0.034
66,	18 Nov,	15:08:35,	0.038
67,	18 Nov,	15:09:35,	0.036
68,	18 Nov,	15:10:35,	0.037
69,	18 Nov,	15:11:35,	0.037
70,	18 Nov,	15:12:35,	0.039
71,	18 Nov,	15:13:35,	0.039
72,	18 Nov,	15:14:35,	0.058
73,	18 Nov,	15:15:35,	0.039
74,	18 Nov,	15:16:35,	0.042
75,	18 Nov,	15:17:35,	0.039
76,	18 Nov,	15:18:35,	0.044
77,	18 Nov,	15:19:35,	0.040
78,	18 Nov,	15:20:35,	0.039
79,	18 Nov,	15:21:35,	0.036
80,	18 Nov,	15:22:35,	0.038
81,	18 Nov,	15:23:35,	0.035
82,	18 Nov,	15:24:35,	0.037
83,	18 Nov,	15:25:35,	0.036
84,	18 Nov,	15:26:35,	0.039
85,	18 Nov,	15:27:35,	0.035
86,	18 Nov,	15:28:35,	0.034
87,	18 Nov,	15:29:35,	0.047
88,	18 Nov,	15:30:35,	0.038
89,	18 Nov,	15:31:35,	0.037
90,	18 Nov,	15:32:35,	0.038
91,	18 Nov,	15:33:35,	0.037
92,	18 Nov,	15:34:35,	0.038
93,	18 Nov,	15:35:35,	0.036
94,	18 Nov,	15:36:35,	0.035
95,	18 Nov,	15:37:35,	0.033
96,	18 Nov,	15:38:35,	0.030
97,	18 Nov,	15:39:35,	0.033
98,	18 Nov,	15:40:35,	0.034
99,	18 Nov,	15:41:35,	0.031
100,	18 Nov,	15:42:35,	0.031
101,	18 Nov,	15:43:35,	0.034
102,	18 Nov,	15:44:35,	0.035
103,	18 Nov,	15:45:35,	0.033
104,	18 Nov,	15:46:35,	0.035
105,	18 Nov,	15:47:35,	0.032
106,	18 Nov,	15:48:35,	0.039
107,	18 Nov,	15:49:35,	0.040
108,	18 Nov,	15:50:35,	0.038
109,	18 Nov,	15:51:35,	0.030
110,	18 Nov,	15:52:35,	0.040
111,	18 Nov,	15:53:35,	0.036
112,	18 Nov,	15:54:35,	0.032
113,	18 Nov,	15:55:35,	0.035
114,	18 Nov,	15:56:35,	0.037
115,	18 Nov,	15:57:35,	0.043
116,	18 Nov,	15:58:35,	0.039
117,	18 Nov,	15:59:35,	0.036
118,	18 Nov,	16:00:35,	0.044
119,	18 Nov,	16:01:35,	0.048
120,	18 Nov,	16:02:35,	0.043
121,	18 Nov,	16:03:35,	0.039
122,	18 Nov,	16:04:35,	0.038
123,	18 Nov,	16:05:35,	0.038
124,	18 Nov,	16:06:35,	0.037
125,	18 Nov,	16:07:35,	0.043
126,	18 Nov,	16:08:35,	0.036
127,	18 Nov,	16:09:35,	0.037
128,	18 Nov,	16:10:35,	0.029

129,	18	Nov,	16:11:35,	0.032
130,	18	Nov,	16:12:35,	0.059
131,	18	Nov,	16:13:35,	0.037
132,	18	Nov,	16:14:35,	0.038
133,	18	Nov,	16:15:35,	0.043
134,	18	Nov,	16:16:35,	0.047
135,	18	Nov,	16:17:35,	0.035
136,	18	Nov,	16:18:35,	0.034
137,	18	Nov,	16:19:35,	0.035
138,	18	Nov,	16:20:35,	0.031
139,	18	Nov,	16:21:35,	0.029
140,	18	Nov,	16:22:35,	0.029
141,	18	Nov,	16:23:35,	0.028
142,	18	Nov,	16:24:35,	0.032
143,	18	Nov,	16:25:35,	0.030
144,	18	Nov,	16:26:35,	0.031
145,	18	Nov,	16:27:35,	0.028
146,	18	Nov,	16:28:35,	0.026
147,	18	Nov,	16:29:35,	0.031
148,	18	Nov,	16:30:35,	0.041
149,	18	Nov,	16:31:35,	0.044
150,	18	Nov,	16:32:35,	0.028
151,	18	Nov,	16:33:35,	0.025
152,	18	Nov,	16:34:35,	0.039
153,	18	Nov,	16:35:35,	0.033
154,	18	Nov,	16:36:35,	0.034
155,	18	Nov,	16:37:35,	0.030
156,	18	Nov,	16:38:35,	0.026
157,	18	Nov,	16:39:35,	0.029
158,	18	Nov,	16:40:35,	0.030
159,	18	Nov,	16:41:35,	0.025
160,	18	Nov,	16:42:35,	0.024
161,	18	Nov,	16:43:35,	0.025
162,	18	Nov,	16:44:35,	0.027
163,	18	Nov,	16:45:35,	0.032

DDR-1000
Tag Number: 12
Number of logged points: 213
Start time and date: 08:15:55 19-Nov
Elapsed time: 03:33:00
Logging period (sec): 60
Calibration Factor (%): 100
Max Display Concentration: 0.091 mg/m³
Time at maximum: 09:48:08 Nov 19
Max STEL Concentration: 0.000 mg/m³
Time at max STEL: 08:15:55 Nov 19
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point,	Date ,	Time ,	Avg.(mg/m³)
1,	19 Nov,	08:16:55,	0.000
2,	19 Nov,	08:17:55,	0.002
3,	19 Nov,	08:18:55,	0.000
4,	19 Nov,	08:19:55,	0.000
5,	19 Nov,	08:20:55,	0.001
6,	19 Nov,	08:21:55,	0.000
7,	19 Nov,	08:22:55,	0.000
8,	19 Nov,	08:23:55,	0.000
9,	19 Nov,	08:24:55,	0.001
10,	19 Nov,	08:25:55,	0.000
11,	19 Nov,	08:26:55,	0.000
12,	19 Nov,	08:27:55,	0.000
13,	19 Nov,	08:28:55,	0.000
14,	19 Nov,	08:29:55,	0.000
15,	19 Nov,	08:30:55,	0.002
16,	19 Nov,	08:31:55,	0.000
17,	19 Nov,	08:32:55,	0.000
18,	19 Nov,	08:33:55,	0.000
19,	19 Nov,	08:34:55,	0.000
20,	19 Nov,	08:35:55,	0.000
21,	19 Nov,	08:36:55,	0.000
22,	19 Nov,	08:37:55,	0.000
23,	19 Nov,	08:38:55,	0.000
24,	19 Nov,	08:39:55,	0.000
25,	19 Nov,	08:40:55,	0.000
26,	19 Nov,	08:41:55,	0.000
27,	19 Nov,	08:42:55,	0.000
28,	19 Nov,	08:43:55,	0.000
29,	19 Nov,	08:44:55,	0.000
30,	19 Nov,	08:45:55,	0.001
31,	19 Nov,	08:46:55,	0.000
32,	19 Nov,	08:47:55,	0.000
33,	19 Nov,	08:48:55,	0.000
34,	19 Nov,	08:49:55,	0.000
35,	19 Nov,	08:50:55,	0.000
36,	19 Nov,	08:51:55,	0.000
37,	19 Nov,	08:52:55,	0.000
38,	19 Nov,	08:53:55,	0.000
39,	19 Nov,	08:54:55,	0.000
40,	19 Nov,	08:55:55,	0.000
41,	19 Nov,	08:56:55,	0.000
42,	19 Nov,	08:57:55,	0.000
43,	19 Nov,	08:58:55,	0.000
44,	19 Nov,	08:59:55,	0.000
45,	19 Nov,	09:00:55,	0.000
46,	19 Nov,	09:01:55,	0.000
47,	19 Nov,	09:02:55,	0.000
48,	19 Nov,	09:03:55,	0.000
49,	19 Nov,	09:04:55,	0.000
50,	19 Nov,	09:05:55,	0.000
51,	19 Nov,	09:06:55,	0.000
52,	19 Nov,	09:07:55,	0.000
53,	19 Nov,	09:08:55,	0.000
54,	19 Nov,	09:09:55,	0.000
55,	19 Nov,	09:10:55,	0.000
56,	19 Nov,	09:11:55,	0.000
57,	19 Nov,	09:12:55,	0.000

58,	19	Nov,	09:13:55,	0.000
59,	19	Nov,	09:14:55,	0.000
60,	19	Nov,	09:15:55,	0.000
61,	19	Nov,	09:16:55,	0.000
62,	19	Nov,	09:17:55,	0.000
63,	19	Nov,	09:18:55,	0.000
64,	19	Nov,	09:19:55,	0.000
65,	19	Nov,	09:20:55,	0.000
66,	19	Nov,	09:21:55,	0.000
67,	19	Nov,	09:22:55,	0.000
68,	19	Nov,	09:23:55,	0.000
69,	19	Nov,	09:24:55,	0.000
70,	19	Nov,	09:25:55,	0.000
71,	19	Nov,	09:26:55,	0.000
72,	19	Nov,	09:27:55,	0.000
73,	19	Nov,	09:28:55,	0.000
74,	19	Nov,	09:29:55,	0.000
75,	19	Nov,	09:30:55,	0.000
76,	19	Nov,	09:31:55,	0.000
77,	19	Nov,	09:32:55,	0.000
78,	19	Nov,	09:33:55,	0.000
79,	19	Nov,	09:34:55,	0.000
80,	19	Nov,	09:35:55,	0.001
81,	19	Nov,	09:36:55,	0.000
82,	19	Nov,	09:37:55,	0.000
83,	19	Nov,	09:38:55,	0.000
84,	19	Nov,	09:39:55,	0.000
85,	19	Nov,	09:40:55,	0.003
86,	19	Nov,	09:41:55,	0.000
87,	19	Nov,	09:42:55,	0.000
88,	19	Nov,	09:43:55,	0.000
89,	19	Nov,	09:44:55,	0.004
90,	19	Nov,	09:45:55,	0.000
91,	19	Nov,	09:46:55,	0.000
92,	19	Nov,	09:47:55,	0.009
93,	19	Nov,	09:48:55,	0.042
94,	19	Nov,	09:49:55,	0.002
95,	19	Nov,	09:50:55,	0.000
96,	19	Nov,	09:51:55,	0.000
97,	19	Nov,	09:52:55,	0.001
98,	19	Nov,	09:53:55,	0.000
99,	19	Nov,	09:54:55,	0.000
100,	19	Nov,	09:55:55,	0.000
101,	19	Nov,	09:56:55,	0.000
102,	19	Nov,	09:57:55,	0.001
103,	19	Nov,	09:58:55,	0.000
104,	19	Nov,	09:59:55,	0.002
105,	19	Nov,	10:00:55,	0.000
106,	19	Nov,	10:01:55,	0.000
107,	19	Nov,	10:02:55,	0.000
108,	19	Nov,	10:03:55,	0.000
109,	19	Nov,	10:04:55,	0.000
110,	19	Nov,	10:05:55,	0.000
111,	19	Nov,	10:06:55,	0.000
112,	19	Nov,	10:07:55,	0.000
113,	19	Nov,	10:08:55,	0.000
114,	19	Nov,	10:09:55,	0.000
115,	19	Nov,	10:10:55,	0.000
116,	19	Nov,	10:11:55,	0.000
117,	19	Nov,	10:12:55,	0.000
118,	19	Nov,	10:13:55,	0.000
119,	19	Nov,	10:14:55,	0.000
120,	19	Nov,	10:15:55,	0.000
121,	19	Nov,	10:16:55,	0.000
122,	19	Nov,	10:17:55,	0.000
123,	19	Nov,	10:18:55,	0.000
124,	19	Nov,	10:19:55,	0.000
125,	19	Nov,	10:20:55,	0.000
126,	19	Nov,	10:21:55,	0.000
127,	19	Nov,	10:22:55,	0.000
128,	19	Nov,	10:23:55,	0.000

129,	19	Nov,	10:24:55,	0.000
130,	19	Nov,	10:25:55,	0.000
131,	19	Nov,	10:26:55,	0.001
132,	19	Nov,	10:27:55,	0.000
133,	19	Nov,	10:28:55,	0.000
134,	19	Nov,	10:29:55,	0.000
135,	19	Nov,	10:30:55,	0.000
136,	19	Nov,	10:31:55,	0.000
137,	19	Nov,	10:32:55,	0.000
138,	19	Nov,	10:33:55,	0.000
139,	19	Nov,	10:34:55,	0.000
140,	19	Nov,	10:35:55,	0.000
141,	19	Nov,	10:36:55,	0.000
142,	19	Nov,	10:37:55,	0.000
143,	19	Nov,	10:38:55,	0.000
144,	19	Nov,	10:39:55,	0.000
145,	19	Nov,	10:40:55,	0.003
146,	19	Nov,	10:41:55,	0.002
147,	19	Nov,	10:42:55,	0.004
148,	19	Nov,	10:43:55,	0.000
149,	19	Nov,	10:44:55,	0.000
150,	19	Nov,	10:45:55,	0.000
151,	19	Nov,	10:46:55,	0.000
152,	19	Nov,	10:47:55,	0.001
153,	19	Nov,	10:48:55,	0.000
154,	19	Nov,	10:49:55,	0.000
155,	19	Nov,	10:50:55,	0.000
156,	19	Nov,	10:51:55,	0.000
157,	19	Nov,	10:52:55,	0.000
158,	19	Nov,	10:53:55,	0.000
159,	19	Nov,	10:54:55,	0.000
160,	19	Nov,	10:55:55,	0.000
161,	19	Nov,	10:56:55,	0.000
162,	19	Nov,	10:57:55,	0.000
163,	19	Nov,	10:58:55,	0.000
164,	19	Nov,	10:59:55,	0.000
165,	19	Nov,	11:00:55,	0.000
166,	19	Nov,	11:01:55,	0.007
167,	19	Nov,	11:02:55,	0.000
168,	19	Nov,	11:03:55,	0.000
169,	19	Nov,	11:04:55,	0.000
170,	19	Nov,	11:05:55,	0.000
171,	19	Nov,	11:06:55,	0.000
172,	19	Nov,	11:07:55,	0.006
173,	19	Nov,	11:08:55,	0.000
174,	19	Nov,	11:09:55,	0.000
175,	19	Nov,	11:10:55,	0.000
176,	19	Nov,	11:11:55,	0.000
177,	19	Nov,	11:12:55,	0.000
178,	19	Nov,	11:13:55,	0.001
179,	19	Nov,	11:14:55,	0.009
180,	19	Nov,	11:15:55,	0.000
181,	19	Nov,	11:16:55,	0.000
182,	19	Nov,	11:17:55,	0.000
183,	19	Nov,	11:18:55,	0.000
184,	19	Nov,	11:19:55,	0.000
185,	19	Nov,	11:20:55,	0.002
186,	19	Nov,	11:21:55,	0.000
187,	19	Nov,	11:22:55,	0.000
188,	19	Nov,	11:23:55,	0.000
189,	19	Nov,	11:24:55,	0.001
190,	19	Nov,	11:25:55,	0.000
191,	19	Nov,	11:26:55,	0.000
192,	19	Nov,	11:27:55,	0.000
193,	19	Nov,	11:28:55,	0.000
194,	19	Nov,	11:29:55,	0.000
195,	19	Nov,	11:30:55,	0.002
196,	19	Nov,	11:31:55,	0.000
197,	19	Nov,	11:32:55,	0.000
198,	19	Nov,	11:33:55,	0.000
199,	19	Nov,	11:34:55,	0.000

200,	19 Nov,	11:35:55,	0.006
201,	19 Nov,	11:36:55,	0.018
202,	19 Nov,	11:37:55,	0.000
203,	19 Nov,	11:38:55,	0.000
204,	19 Nov,	11:39:55,	0.000
205,	19 Nov,	11:40:55,	0.000
206,	19 Nov,	11:41:55,	0.000
207,	19 Nov,	11:42:55,	0.000
208,	19 Nov,	11:43:55,	0.000
209,	19 Nov,	11:44:55,	0.001
210,	19 Nov,	11:45:55,	0.000
211,	19 Nov,	11:46:55,	0.000
212,	19 Nov,	11:47:55,	0.000
213,	19 Nov,	11:48:55,	0.002

100mg/m^3 that was required to stop work and implement the dust suppression techniques. The excavation activities were completed without any stoppage or use of dust suppression techniques.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The remediation of the delineated area of soil contamination through excavation and off-site disposal has been completed. The vertical and horizontal extent of groundwater contamination plume has also been completed.

A review of soil end-point sampling results indicated that all contaminated soils in the delineated area of the site has been excavated to the depth of the clean zone. Based on the results, it is recommended that the soil contamination as a result of the spill at the site be closed.

A review of the groundwater sampling results showed some levels of targeted metals above the recommended groundwater quality standards. Given the concentrations levels of detected contaminants, it is recommended that on-site monitoring wells be monitored and sampled on a quarterly basis for the first year. Depending on the trends of the concentration levels of the targeted metals, the sampling and monitoring frequency may be decreased

This report was prepared and reviewed by Francis I. Onaga, a certified professional geologist (CPG) and a certified groundwater professional (CGWP)

Sincerely,

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