REDACTED VERSION

Bioreactor Content Removal, Decontamination and Demolition Report

Former US Oil Recovery Site
400 N Richey Street
Pasadena, Harris County, Texas

Prepared for:
US Oil Recovery Site PRP Group

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Table of Contents

1.0 INTRODUCTION 1
2.0 BIOREACTOR LIQUID REMOVAL 2
2.1 2012/2013 Liquid Removal 2
2.2 2014 Liquid Removal 2
3.0 BIOREACTOR SOLIDS REMOVAL 4
3.1 Manual Solids Processing 4
3.2 Mini-Excavator Solids Process 5
3.3 Concrete Exclusion Zone 6
3.4 Bioreactor Solids Summary 7
3.5 Bioreactor PVC Piping Removal 7
4.0 BIOREACTOR DECONTAMINATION/DEMOLITION 9
4.1 Decontamination 9
4.2 Slab Rinsate Sampling 10
4.3 Demolition 12
5.0 CONCLUSIONS 13

List of Tables

Table 1: July 2012 Bioreactor Liquid Removal Summary
Table 2: August 2013 Bioreactor Liquid Removal Summary
Table 3: November 2013 Bioreactor Liquid Removal Summary
Table 4: January 2014 Bioreactor Liquid Removal Summary
Table 5: February 2014 Bioreactor Liquid Removal Summary
Table 6: March 2014 Bioreactor Liquid Removal Summary
Table 7: Bioreactor Solid Removal Summary
Table 8 Bioreactor Concrete Slab Rinsate Sample Analytical Summary

List of Figures

Figure 1: Site Vicinity Map
Figure 2: Site Area Map
Figure 3: USOR Property Layout

List of Appendices

Appendix A: Work Plan Addendum 1
Appendix B: Work Plan Addendum 2
Appendix C: Photo Log
Appendix D: Bioreactor Liquid Manifests
Appendix E: Cutter Stock MSDS and Shipping Manifests
Appendix F: Bioreactor Solids Manifests
Appendix G: Analytical Laboratory Report East/West PVC Piping
Appendix H: Bioreactor PVC Piping Manifests
Appendix I: Bioreactor Concrete/Rebar/Scrap Debris Shipment Bills of Lading
Appendix J: Bioreactor Slab Rinsate Sampling Protocol
Appendix K: Bioreactor Slab Rinsate Sample Laboratory Analytical Report and Data Validation Report
Appendix L: September 2012 Analytical Report for Bioreactor Solids
Appendix M: Intergulf Load Discrepancy Documentation

Acronyms and Abbreviations

AOC	Administrative Order on Consent
Btu	British thermal unit
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
cy	Cubic Yards
Effective	Effective Environmental, Inc.
ENVIRON	ENVIRON International Corporation
Golder	Golder Associates Inc.
GPS	Global Positioning System
HWDF	Hazardous Waste Derived Fuel
Intergulf	Intergulf Corporation
MCC	MCC Recycling
MSDS	Material Safety Data Sheets
PRP	Potentially Responsible Parties
PVC	Polyvinyl Chloride
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
SDL	Sample Detection Limit
Sumter	Sumter Transport Company
TB 48:	Truck Bay 48
TCLP	Toxicity Characteristic Leaching Procedure
USEPA	United States Environmental Protection Agency
USOR	US Oil Recovery
VOCs	Volatile Organic Compounds
WMI	Waste Management, Inc.

1.0 INTRODUCTION

A group of potentially responsible parties (PRPs) entered into an Administrative Settlement Agreement and Order on Consent (AOC) for a Time-Critical Removal Action (U.S. EPA Region 6, CERCLA Docket No. 06-10-11) in connection with the US Oil Recovery (USOR) and MCC Recycling (MCC) properties, respectively located at 400 North Richey Street and 200 North Richey Street in Pasadena, Texas 77506 (collectively referred to as the Site). Figure 1 shows the Site vicinity and Figure 2 shows the Site area. This AOC and all amendments and addenda thereto are referred to herein as the "August 25, 2011 AOC" or "AOC". The properties are now under the custody and control of a court-appointed receiver. Therefore, the activities pursuant to the August 25, 2011 AOC are being performed by the USOR PRP Group in cooperation with the receiver and under the oversight of the USEPA.

The USOR property contained a rectangular open-topped concrete structure with two contiguous compartments known as the Bioreactor. The location of the Bioreactor on the USOR property is shown on Figure 3. This Removal Action Report documents the removal of the former Bioreactor pursuant to the August 25, 2011 AOC and in accordance with the requirements of Addendum 1 to AOC Work Plan: Bioreactor Removal Work Plan (Work Plan Addendum 1) (included as 3 A to this report) and Addendum 2 to AOC Work Plan: Containerized Materials Field Screening and Removal Work Plan (Work Plan Addendum 2) (included as Appendix B to this report). As such, this report summarizes the processes used for removal of Bioreactor liquid and solids, final disposition of removed liquid and solid materials, Bioreactor decontamination, Bioreactor demolition, and demolition debris disposition. A photograph log of the removal project is provided in Appendix C.

This report has been jointly prepared by ENVIRON International Corporation (ENVIRON) and Golder Associates Inc. (Golder). ENVIRON provided oversight of liquid and solid removal activities from project initiation through December 22, 2013 and prepared the sections of this report pertaining to those activities. Golder provided oversight of liquid and solid removal activities performed thereafter, as well as, subsequent Bioreactor decontamination and demolition work. Golder has prepared the sections of this report pertaining to those activities performed under its oversight. Removal of bioreactor contents began in July 2012. Demolition of bioreactor was completed in April 2014.

2.0 BIOREACTOR LIQUID REMOVAL

Effective Environmental, Inc. (Effective) removed and disposed of free liquid contained in the east and west compartments of the Bioreactor. Effective performed three liquid removal events between July 2012 and November 2013. Due to rainfall during the period of subsequent solids removal activities, Effective completed three additional liquid removal events in January, February and March 2014.

2.1 2012/2013 Liquid Removal

Effective's mobilization activities for the initial three 2012/2013 liquid removal events included installing a temporary secondary containment structure at the south end of the Bioreactor for temporary placement of a 3-inch diesel pump (Photo 1 in Appendix C), placing 3-inch hose from the pump suction over the top of the Bioreactor south wall into the Bioreactor for suction (Photo 2), and placing 4-inch hose from the pump to Truck Bay 48 (TB 48) for discharge of the Bioreactor liquid directly into tanker-trucks (Photos 3 through 6). Effective securely wrapped each hose connection with duct tape to prevent the fittings from unlocking (Photo 5). Liquid removal activities involved personnel connecting the pump discharge line to the valve on a tanker truck located in TB 48 (Photo 6). Effective transferred the liquid from the Bioreactor to the tanker truck via a 3-inch diesel pump.

Effective initially removed a total of approximately 345,900 gallons of liquid from the Bioreactor from July 10 through 16, 2012 for disposal at the Intergulf Corporation (Intergulf) facility (Table 1). Scanned copies of the Intergulf Shipping Manifests for liquids removed from the Bioreactor are included as Appendix D. After completing the removal of Bioreactor liquids, Effective flushed fresh water through the pump and flexible hoses (Photo 7). Effective transported approximately 3,000 gallons of rinse water to the Intergulf facility for disposal.

After initial removal of the Bioreactor liquids, sampling and characterization of the underlying solids within the Bioreactor was performed as described in Section 3 below. To facilitate removal of solids from the Bioreactor, Effective removed approximately 69,654 gallons of stormwater that had accumulated in the Bioreactor since the initial liquid removal event in July 2012. These liquids, which were removed by Effective during the period from August 12 through 15, 2013 (Table 2) were also disposed at the Intergulf facility. Effective removed an additional 42,409 gallons of stormwater during the period from the Bioreactor from November 11 through 12, 2013 (Table 3) for disposal at the Intergulf facility.

2.2 2014 Liquid Removal

Three Bioreactor liquid removal events were performed in 2014 in conjunction with the solids removal activities described in Section 3.0. Liquid removal was conducted using a 2-inch or 3-inch vacuum hose connected to a pump or directly to a vacuum truck. Liquids were pumped from the east and west Bioreactor compartments via vacuum generated by the vacuum truck or pump. Liquid removal was facilitated by pumping directly into the respective tanker truck by placing the suction hose just beneath the surface of the

liquid to avoid removing solids. Portable secondary containments were placed under the vacuum hose connections and the hose connections were wrapped with duct tape to prevent the fittings from unlocking. Upon completion of water removal, a vacuum was applied to the suction hose and the vacuum hose was capped on each end. The liquids were disposed at the Intergulf facility.

On January 8, 2014, Effective removed approximately 15,000 gallons of stormwater (Table 4) from the west Bioreactor compartment. On February 21, 2014, Effective removed approximately 3,763 gallons of stormwater (Table 5) from the east Bioreactor compartment.

On March 24, 2014 and March 25, 2014, Effective removed 8,721 gallons of stormwater from the east Bioreactor compartment and Bioreactor concrete secondary containment (Table 6). Water removed on March 25, 2014 consisted of Bioreactor concrete secondary containment water combined with previous decontamination wash water from TB 48 and other decontamination water from TB 48 that had been transferred to and temporarily stored in a frac tank (FO4066) brought on to the Site.

3.0 BIOREACTOR SOLIDS REMOVAL

Sumter Transport Company (Sumter) conducted the removal and disposal of solids from the Bioreactor. Sumter mobilized personnel (including subcontractor personnel) and equipment to the Site on November 1, 2013 for the removal and use of Bioreactor solids as Hazardous Waste Derived Fuel (HWDF) in accordance with Work Plan Addendum 2. Sumter mobilization activities included installing geotextile fabric, crushed rock, and construction mats on the north and east sides of the Bioreactor to improve access, installing temporary secondary containment structures on the north and east side of the Bioreactor for the solids mixing and loading process (Photo 8), placing a frac tank in secondary containment to contain cutter stock (Photo 9), connecting two solids/cutter mixing pumps and a power unit to drive mixing equipment (Photos 9 – 10), and installing additional guardrail cables on the Bioreactor catwalk. Sumter also mobilized a Robroller agitator tractor trailer to be used for processing solids (hereinafter referred to as the Robroller mixing tank, see Photo 11) and an air mover truck (Photo 12). Cutter stock was delivered to the Site to facilitate mixing, to increase the British thermal unit (Btu) value of the solids, and to create a pumpable slurry. Cutter stock was sourced from Bodin Oil Recovery, Inc. located at 18101 W LA Hwy 330 in Abbeville, Louisiana. The cutter stock MSDS and shipping manifests are included as Appendix E.

Bioreactor solids processing involved personnel entering the Bioreactor compartment to remove the solids under a confined space entry permit. Solids were removed from the Bioreactor using a 6-inch suction hose connected to the air mover. The solids were transferred into the Sumter Robroller mixing tank. Cutter stock was pumped into the Robroller mixing tank and mixed the solids and cutter to create a pumpable slurry. Once Sumter determined that the solids and cutter were appropriately mixed, the slurry was transferred to the Robroller agitator trailers and transported off-site to USEPA-approved cement kilns to be used as HWDF.

Two removal methods were used to process solids. Solids were initially removed from the Bioreactor (Photos 13 through 16) using vacuum suction. Due to slower than expected solids processing using the vacuum method, Sumter modified the removal process using a mini excavator and solids mixing hopper placed inside the Bioreactor. Later, in the west compartment of the Bioreactor, Sumter reverted to the vacuum suction approach. Each process is described in subsequent sections.

3.1 Manual Solids Processing

Sumter began processing Bioreactor solids on December 11, 2013 using the vacuum method described above. Before removing solids from the Bioreactor, cutter stock was pumped from the storage frac tank into the Robroller mixing tank. Personnel entered the Bioreactor under a confined space entry permit (Photo 17), manually loosened compacted solids with shovels and rakes, then moved the loosened solids to the 6-inch suction hose with shovels and rakes. The solids were transferred to the Robroller mixing tank via the air mover (Photo 18). After Sumter determined that the solids/cutter slurry was adequately mixed for pumping, personnel transferred the solids/cutter slurry into the Robroller agitator trailers and transported

the slurry off-site for use as HWDF (Photo 19). The tanker truck remained in a temporary secondary containment structure during loading operations which prevented release of Bioreactor material to Site soil.

Sumter encountered slower solids removal rates than anticipated from the vacuum removal operations so then switched to an alternative approach consistent with methods described in the USEPA-approved Work Plan Addendum 2 (Appendix B). The alternative approach involved a mini excavator and solids mixing hopper as described below.

3.2 Mini-Excavator Solids Process

Sumter mobilized a track-mounted mini-excavator (Photo 20), solids mixing hopper equipped with an internal auger for mixing (Photo 21), and crane truck (Photo 22) to the Site on December 18, 2014 and December 19, 2013. Sumter prepared the equipment on December 19, 2013 to use on the following day (Photos 23-24).

Sumter processed Bioreactor solids using the mini-excavator and solids mixing hopper beginning on December 20, 2013. Before removing solids from the Bioreactor, cutter stock was pumped from the storage frac tank into the Robroller mixing tank. Sumter personnel entered the Bioreactor under a confined space entry permit and transferred solids into the mixing hopper using the mini-excavator (Photos 25 - 26). Solids were transferred from the mixing hopper into the Robroller mixing tank via the air mover. After Sumter determined that the solids/cutter slurry was adequately mixed for pumping, Sumter pumped the cutter/solids slurry into a Robroller agitator tanker trailer at the Site for off-site transport for HWDF use.

During the Bioreactor solids removal, a significant quantity of perforated Polyvinyl Chloride (PVC) piping (believed to be used for aeration during Bioreactor operation) was encountered within the solids at the base of the Bioreactor (see Photos 13-16). Solids were removed from the east Bioreactor compartment through February 2014. On February 21, 2014, the final amount of residual solids that were located beneath the PVC piping in the east Bioreactor compartment was manually removed via vacuum hose and placed in the Robroller mixing tank.

The mini-excavator removed solids from around the PVC piping located beneath the solids and placed the solids at the 6-inch vacuum hose inlet. Solids that did not enter the vacuum hose were manually directed into the inlet using shovels. The PVC piping assembly was dismantled and staged in a portion of the east Bioreactor compartment where solids had been removed and other piping had been previously cleared. The sequence of removing solids and staging PVC piping continued throughout the solids removal process in the east compartment.

On January 14, 2014, personnel first entered the west Bioreactor compartment to begin manually removing solids. Shovels were used to direct solids directly into a 6-inch vacuum hose which in turn transferred the

solids to the Robroller mixing tank. Solids were initially removed from the interior of the north wall of the compartment and solids removal progressed systematically to the south (see Photo 27).

On February 5, 2014, after removing solids from an area sufficiently large enough to stage equipment, the mini-excavator and solids mixing hopper were removed by crane from the east Bioreactor compartment and placed in the west Bioreactor compartment. Solids removal in the west compartment resumed thereafter. Throughout the duration of removal operations in the west compartment, use of the solids mixing hopper was not necessary.

Sumter used the mini-excavator to remove solids from around PVC piping located beneath the solids on the floor of the west Bioreactor compartment and placed the solids in the area of the 6-inch vacuum hose inlet. Solids that did not enter the vacuum hose were manually directed into the inlet using shovels. PVC piping located beneath the solids was dismantled and staged in the northernmost portion of the west Bioreactor compartment where solids had been removed and piping had been previously cleared. The sequence of removing solids and staging PVC piping continued throughout the solids removal process in the west compartment. West Bioreactor compartment solids removal was completed on March 13, 2014.

3.3 Concrete Exclusion Zone

Prior to initiation of solids removal in the west Bioreactor compartment, a potential safety hazard was addressed. Specifically, a hanging piece of concrete measuring approximately 4 feet x 5 feet x 1 foot thick in size was present at the top of the west wall approximately 25 feet south of the midpoint of the west Bioreactor compartment (see Photo 28). The hanging piece of concrete was believed to have resulted from storm damage during USOR operations. The hanging concrete appeared to be supported by rebar and a steel tie rod. As such, the concrete was identified as a hazard due to its potential to fall during solids removal activities.

To mitigate this hazard, Sumter implemented an Exclusion Zone Plan (Plan) prior to personnel working in the area. The Plan established an exclusion zone constructed by placing orange barrels with fencing material outside of the potential hanging concrete fall zone and associated tie-rod area (see Photo 29). Once this exclusion zone was established, the end of the tie rod was fastened at two points and secured to adjacent pipe supports using steel cable. This alteration effectively prevented the tie rod from whipping in the event the concrete fell.

Personnel working in the Bioreactor west compartment were not permitted to enter the exclusion zone. The mini-excavator was used to extend its arm into the exclusion zone and remove solids and PVC piping to an area outside the zone where workers could safely access the material for removal and/or staging. During the final cleaning of the Bioreactor floor and walls (See Section 4.1), a power washer wand approximately 8 feet in length was used so that personnel could complete the cleaning activities without entering the

exclusion zone. The exclusion zone was dismantled upon completion of decontamination and rinsate sampling (see Sections 4.1 and 4.2) activities.

3.4 Bioreactor Solids Summary

Sumter transported a total of approximately 154,073 gallons (approximately 600 tons) of manifested slurried Bioreactor solids and cutter stock off-site for use as HWDF from December 12, 2013 through April 4, 2014 (Table 7). The solids were used as HWDF at two separate USEPA-approved cement kilns: (1) Ash Grove Cement Facility in Foreman, Arkansas; and (2) Buzzi Unicem Cement Facility in in Cape Girardeau, Missouri. Scanned copies of the shipping manifests for Bioreactor solids shipped off-site for disposal are included as Appendix F. In some cases, individual loads of slurried Bioreactor solids or portions of loads were returned from the cement kilns to the Site due to material handling issues (typically, too high of a viscosity or solids content to allow use in the kiln). In such cases, the returned quantity was added (with an appropriate volume of cutter stock) to the next outgoing load departing the Site. A total of approximately 57,560 gallons of returned solids were re-shipped in this fashion. The load volumes listed in Table 7 include only the quantities managed at the cement kilns and do not include the volumes returned to the Site and subsequently re-shipped in later loads.

3.5 Bioreactor PVC Piping Removal

Prior to the removal of PVC piping material from the east and west Bioreactor compartments, composite samples consisting of PVC pipe and solids residue present on the piping were collected by Sumter for waste disposal profiling. The samples consisted of portions of PVC pipe and solid residue from five representative areas of the stockpiled piping during each sampling event. Sampling was conducted on January 21, 2014 (east compartment) and March 6, 2014 (west compartment). The samples were analyzed for selected Toxicity Characteristic Leaching Procedure (TCLP) Volatiles (1,2-dichloroethane, benzene, and trichloroethene). Based on analytical results, the piping was classified as Class II waste. Appendix G presents the Analytical Laboratory Report on the east and west Bioreactor compartment PVC piping.

The PVC piping was accepted for disposal at the USEPA-approved Waste Management, Inc. (WMI) Coastal Plains Landfill on January 29, 2014 (east compartment piping) and on March 19, 2014 (west compartment piping).

On February 5, 2014, PVC piping was removed from the east Bioreactor compartment and placed in 25 cubic yard (cy) roll-off boxes for subsequent transport to the WMI. The PVC piping was manually placed into dumpster bags that were positioned in the compartment and removed by crane (see Photo 30). To minimize water that could potentially be released outside the Bioreactor compartment, the dumpster bags containing the PVC piping were raised by the crane above the surface of the Bioreactor base and allowed to drain for several minutes prior to removal to minimize the volume of water that was transferred out of the compartment (see Photo 31).

The crane then removed the bags to a staging area located adjacent to the staged roll-off box (see Photos 32-34). Plastic sheeting and a lined secondary containment structure were placed adjacent to the roll-off box. The bag was placed on the sheeting and the piping removed from the bag and placed in the roll-off box to further reduce the volume of liquids entering the roll-off.

Plastic sheeting was also placed in the crane swing zone outside the compartment to contain any de minimis water that could potentially fall from the bag while transferring the piping from the compartment to the loading area adjacent to the roll-off box. Upon completion of PVC piping removal from the east Bioreactor compartment, water that had accumulated in the secondary containment located adjacent to the roll-off box during removal activities was removed via a 2-inch vacuum hose, transferred directly into a vacuum truck and transported off-site to the Intergulf facility for disposal.

A total of two roll-off boxes containing approximately 25 cys each of PVC piping originating from the east Bioreactor compartment were transported to WMI. The first box was transported on February 13, 2014 and the second box on March 18, 2014.

On March 20, 2014, PVC piping that had been staged in the northern portion of the west Bioreactor compartment was placed in dumpster bags and removed via crane to staged roll-off boxes in the same manner as that of the east Bioreactor compartment piping (see Photos 35-36). Water that accumulated in the secondary containment located adjacent to the staged roll-off box was removed via a 2-inch vacuum hose, transferred directly into a vacuum truck and transported off-site to the Intergulf facility for disposal (as previously discussed in Section 2).

Two roll-off boxes containing approximately 25 cys each of PVC piping originating from the west Bioreactor compartment were transported to WMI on March 24, 2014. The final PVC piping manifests are provided as Appendix H.

4.0 BIOREACTOR DECONTAMINATION/DEMOLITION

Sumter completed removal of PVC piping from the east Bioreactor compartment on February 20, 2014 and from the west Bioreactor compartment on March 20, 2014. Final solids were removed from the east and west Bioreactor compartments on February 21, 2014 and March 13, 2014 respectively. Decontamination, rinsate sampling, and demolition activities were performed thereafter as detailed below.

4.1 Decontamination

On March 23, 2014, Sumter completed cleaning of the Bioreactor catwalk and working surfaces located over the Bioreactor. The removal of solids residue located on the floor and walls of the Bioreactor compartments were completed on March 24, 2014. Both of these tasks were accomplished by using a 5,000 psi power washing unit to pressure wash the catwalk and floor/wall surfaces (Photo 37). Cleaning personnel used a JLG man lift (#450AJ) to access the top of the bioreactor walls. Surfaces were washed until all observable solids were removed from the Bioreactor walls. The resulting water and minor amount of solids generated from power washing activities were removed via 2-inch hose directly into a vacuum truck and transported to the Intergulf facility for disposal.

In preparation for demolition, Sumter also utilized a 5,000 psi power washer to remove solids from the walls and floor of the concrete secondary containment surrounding the Bioreactor. The secondary containment cleaning was deemed complete when all observable solids were removed (see Photos 38 and 39). Solids removed from this process were placed in a roll-off box containing non-processable solids and staged in the parking area adjacent to the warehouse for mangament as part of pending non-processible roll-off removal action activities. Disposal of these solids will be documented in a separate report to be prepared for those activities. Wash water generated from secondary containment cleaning activities was removed using a 2-inch vacuum hose directly into a staged vacuum truck and transported off-site to the Intergulf facility for disposal.

On March 26, 2014, Sumter disconnected the steel piping connecting the blower unit to the Bioreactor and feed stock piping that was believed to have been used in the past during USOR facility operations to convey material to the Bioreactor. After disconnection, the feed stock piping connections were sealed using steel blinds to prevent solids contained in the piping from being released onto the ground surface. The sealed piping was transferred to a temporary containment pad adjacent to TB 48.

On August 22, 2014, the steel piping was staged in TB 48. The steel blinds were removed and a 3,000 psi pressure washer was used to clean the inside and outside of the piping. The piping was considered acceptable for recycling when all observable solids were removed from within the piping and staining was removed to the extent practicable. Water generated from the steel piping washing activities was stored in TB 48 and was removed during a subsequent TB 45 pump down event via vacuum truck and transported to Intergulf for disposal. Approximately 55 gallons of solids were contained in TB 48 as a result of steel

pipe cleaning activities. These solids were placed in a roll-off box containing non-processable solids and managed as part of pending non-processible roll-off box removal action activities. Disposal of these solids will be documented in a separate report to be prepared for the roll-off removal action.

Upon completion of cleaning activities, the steel piping (1,053 pounds) was loaded onto a trailer and transported to L & F Scrap Metals located in Pasadena, Texas for recycling. A copy of the final receipt from L & F Scrap Metals is presented in Appendix I.

On March 27, 2014, Sumter utilized a high pressure water hose (jet hose) mounted on a trailer to flush solids and residue from piping located beneath the Bioreactor catwalk and south wall. The water jet was inserted into the former product pipe at the far north end of the catwalk and water flow was initiated. The jet hose was then slowly advanced approximately 150 feet to the outlet located at the base of the south Bioreactor wall. Wash water flowed out of the pipe outlet through a flex hose that had been installed and into two 300-gallon poly totes (placed within containment) where the wash water was contained (see Photo 40). Cleaning was determined to be complete when the water flowing into the tote appeared clear and free of solids. The liquids were subsquently removed from the totes, placed in a frac tank, and disposed along with other liquids contained in roll off boxes as part of the roll-off box removal action.

After cleaning activities were completed, no major visible cracks were apparent on the bioreactor walls (See Photos 41 and 42), except the previously mentioned hanging piece of concrete present in the top southwest corner (See Section 3.3 and Photos 28 and 41). Some minor surface cracks were observed on the walls of the bioreactor, but did not appear to penetrate the entire width or height of the wall.

4.2 Slab Rinsate Sampling

After completion of the final power washing of the interior working surfaces (catwalk) and floors/walls of the Bioreactor compartments (Photos 41 and 42), two rinsate samples were collected for informational purposes on the concrete floor of each of the two cleaned Bioreactor compartments (for a total of four rinsate samples). On March 24, 2014, a Golder representative collected these rinsate samples in accordance with the Proposed Rinsate Sample Collection Protocol for the U. S. Oil Recovery Site East and West Bioreactor Compartment Concrete Slab dated March 13, 2014 (see Appendix J) and the USEPA-approved Quality Assurance Project Plan - Former US Oil Recovery/MCC Recycling Site (QAPP) dated May 2012.

In addition to the rinsate samples, three Quality Assurance/Quality Control (QA/QC) samples, consisting of one trip blank supplied by the laboratory (analyzed for volatile organic compounds (VOCs) only per the QAPP), a blind duplicate sample, and an equipment blank sample were collected. One trip blank was submitted for analysis with all primary samples. All seven samples were transported on ice under Chain of Custody documentation to ALS Environmental in Houston Texas for analytical testing.

Trip blanks are used to evaluate potential contamination from sample containers or other factors during sample transport.

Duplicate samples are collected in addition to, and at the same time as, primary samples. Field replication provides information on the precision and homogeneity of sampling, handling, shipping, storage, preparation, and analysis techniques because duplicate samples ideally are equally representative of the sample matrix at that point in time and are similarly influenced by sampling and handling conditions. The duplicate sample obtained (DUP) is the duplicate sample of sample BR-W-R1.

The equipment blank determines if decontamination of sampling tools is successful and cross contamination between sample locations has occurred.

Upon receipt of the laboratory analytical report, Golder prepared a validation report for the laboratory data. The laboratory analytical report and the data validation report are provided in Appendix K.

Solids present in the east and west Bioreactor compartments were sampled on September 13, 2012 prior to the initiation of solids removal activities and were analyzed for waste characterization purposes by ALS Environmental. The results of these analyses (Appendix L) were used to develop the analyte list for the Bioreactor slab rinsate samples. Based on TCLP detections in the solids samples, the slab rinsate samples were analyzed for the following compounds:

Semi-volatile organics
2-methylphenol and 3,4-methylphenol (based on detection of total cresols)

Volatile organic
benzene
1,2-dichloroethane
2-butanone
trichloroethene

Two metals, barium and chromium were also detected in the TCLP analysis of the west compartment solid sample, both at concentrations only slightly above the detection limit (0.0765 mg/L and 0.0535 mg/L, respectively). These metals were not detected in the TCLP analysis of the east compartment solid sample). Based on the very low concentrations of these naturally occurring metals in the TCLP analyses in only one of the Bioreactor solids samples, barium and chromium were included in the slab rinsate sample analyte list.

Table 8 presents the results of the Bioreactor concrete slab rinsate sampling. As noted on the table, the only detections in the four rinsate samples were very low concentrations (estimated values below the method quantitation limit) of 2-methyphenol and 3,4-methylphenol in one of the west Bioreactor compartment rinsate samples. The analytical report supporting Table 8 is presented as Appendix K.

Golder reviewed the rinsate sample analytical data for adherence to project objectives and prepared a validation report. The validation report is included in Appendix K.

4.3 Demolition

Upon removal of solids, PVC piping, and decontamination of the east and west Bioreactor compartments and secondary containment, Effective demolished the Bioreactor and transported Bioreactor concrete debris and scrap steel to approved concrete and steel recycling facilities.

Demolition of the Bioreactor began on March 27, 2014 and was completed on April 4, 2014. A track hoe with a concrete hammer attachment and a second track hoe with a mounted thumb unit were utilized during the demolition process. Demolition began at the northeast corner of the Bioreactor and progressed south along the east wall. The west, north, and south walls were subsequently dismantled, followed by the catwalk and center concrete partition separating the compartments leaving the concrete slab that was formerly the floor of the Bioreactor compartment (see Photos 43 through 53).

The track hoe thumb unit was used to remove the rebar from the demolished concrete and concrete slab. Rebar attached to the Bioreactor slab was removed to existing grade. Scrap steel comprising the Bioreactor catwalk and piping located north of the south wall was segregated from the concrete along with the rebar and staged for off-site recycling.

Visual inspection of the concrete during demolition verified that no solids formerly contained in the Bioreactor were observed on the surfaces of the concrete or rebar.

On April 1, 2014 and April 2, 2014 respectively, demolished Bioreactor concrete and scrap was loaded onto transport trucks and removed from the facility (see Photo 49). Forty five truckloads of concrete comprising thirty-seven 14 cy loads and eight 8 cy loads were transported off site for recycling via bill of lading to the USEPA-approved Southern Crushed Concrete facility located at 2070 Genoa Red Bluff Road, Houston, Texas.

Five loads of scrap steel (18 cys each) were transported for recycling via bill of lading to the USEPA-approved L&F Scrap Metals located at 1707 Red Bluff Rd, Pasadena, TX. Concrete and scrap steel bill of lading documents are presented as Appendix I.

5.0 CONCLUSIONS

The purpose of the Bioreactor Removal Action was to remove all liquid and solids contained in the Bioreactor, manage those materials off-site at USEPA-approved facilities, decontaminate and then demolish the Bioreactor structure, and ship the resultant concrete and steel demolition debris off-site for recycling pursuant to the AOC. The Bioreactor Removal Action work satisfies the AOC through proper performance and documentation of the removal action activities described in this report.

TABLES

Table 1: July 2012 Bioreactor Liquid Removal Summary		
Date	Shipping Manifest Number	Manifest Volume (gallons)
07/10/2012	069326	6,000
07/10/2012	069327	6,000
07/10/2012	069328	5,700
07/10/2012	069329	6,000
07/10/2012	069330	6,000
07/10/2012	069331	5,700
07/11/2012	069220	6,000
07/11/2012	069221	5,600
07/11/2012	069222	5,600
07/11/2012	069312	5,800
07/11/2012	069313	6,000
07/11/2012	069314	5,600
07/11/2012	069315	5,600
07/11/2012	069316	5,700
07/11/2012	069317	6,000
07/11/2012	069318	6,000
07/11/2012	069319	5,600
07/11/2012	069320	5,600
07/11/2012	069321	5,800
07/11/2012	069322	6,000
07/11/2012	069323	5,500
07/11/2012	069324	5,600
07/11/2012	069325	5,000
07/12/2012	069209	6,000
07/12/2012	069210	6,000
07/12/2012	069228	6,000
07/12/2012	069294	5,600
07/12/2012	069293	6,000
07/12/2012	069302	6,000
07/12/2012	069303	5,600
07/12/2012	069304	5,600
07/12/2012	069305	6,000
07/12/2012	069306	6,000
07/12/2012	069307	5,600
07/12/2012	069308	5,600
07/12/2012	069309	6,000
07/12/2012	069310	6,000

Table 1: July 2012 Bioreactor Liquid Removal Summary		
Date	Shipping Manifest Number	Manifest Volume (gallons)
07/12/2012	069311	5,600
07/12/2012	069408	5,900
07/12/2012	069409	6,000
07/12/2012	069410	6,000
07/12/2012	069411	6,000
07/13/2012	069295	5,600
07/13/2012	069296	6,000
07/13/2012	069297	5,600
7/13/2012	069298	5,600
07/13/2012	069299	6,000
07/13/2012	069300	5,600
07/13/2012	069301	5,600
07/13/2012	069736	6,000
07/13/2012	069726	5,600
07/13/2012	069727	5,600
07/13/2012	069729	5,600
07/13/2012	069730	5,700
07/13/2012	069732	5,700
07/13/2012	069733	5,700
07/13/2012	069735	6,000
07/13/2012	069737	6,000
07/16/2012	069292	4,100
07/16/2012	069738	6,000
07/17/2012	069291	3,000*
	Total	**348,900**

Note: *Manifest 069291 contained approximately 3,000 gallons of rinse liquid used to flush the pump and hose equipment.

Table 2: August 2013 Bioreactor Liquid Removal Summary			
Date	Manifest Volume (gallons)	Shipping Manifest Number	Corrected Volume at Facility (gallons)
8/12/2013	5,460	73392	5,460
8/12/2013	5,800	77215	5,800
8/12/2013	5,800	77216	4,594
8/12/2013	6,000	77222	6,000
8/12/2013	6,000	77223	6,000
8/13/2013	5,460	73357	5,460
8/13/2013	5,900	77224	5,900
8/13/2013	5,550	77225	5,550
8/13/2013	5,430	77261	5,430
8/13/2013	5,900	77376	5,900
8/13/2013	5,550	77377	5,550
8/14/2013	5,460	77260	5,460
8/14/2013	5,550*	77379	2,550*
8/15/2013	3,500**	73390	3,500**
		Total	**73,154**

Notes: *Manifest 77379 contained liquid from roll-off boxes and the Bioreactor. Approximately 3,000 gallons of the total volume of liquid from Manifest 77379 was from roll-off boxes.
** Manifest 73390 contained 3,500 gallons of rinse liquid used to flush the pump and hose equipment.

Table 3: November 2013 Bioreactor Liquid Removal Summary		
Date	Shipping Manifest Number	Manifest Volume (gallons)
11/11/2013	78160	5,400
11/11/2013	78573	5,379
11/11/2013	71390	5,277
11/11/1943	71391	5,400
11/11/2013	78572	5,776
11/11/2013	71392	5,277
11/12/2013	71393	5,400
11/12/2013	71394	4,500
11/12/2013	71395	720*
	Total	**43,129**

Note: * Manifest 71395 contained rinse liquid used to flush the pump and hose equipment.

Table 4: January 2014 Bioreactor Liquid Removal Summary		
Date	Shipping Manifest Number	Manifest Volume (gallons)
1/8/2014	78912	5,000
1/8/2014	78987	5,000
1/8/2014	78909	5,000
	Total	**15,000**

Table 5: February 2014 Bioreactor Liquid Removal Summary		
Date	Shipping Manifest Number	Manifest Volume (gallons)
2/21/2014	74938	3,763*
	Total	**3,763**

*Note: Transportation manifest signed at time of off-site shipment indicated volume of 2,595 gallons. Upon review of final signed manifest from the Intergulf facility, it was apparent that manifest had been altered by Intergulf tanker driver to indicate 3,763 gallons of liquid disposed at Intergulf facility. After investigation, it was determined that the Intergulf tanker driver had errantly gauged tanker after loading. The initial volume was based on a measurement error (apparently misreading of the liquid height in the tanker). When unloading tanker at disposal facility, the tanker driver again gauged the tanker and revised the initial volume that he had noted based on a corrected measurement. To fully document the basis for the discrepancy, the PRP Group obtained a Global Positioning System (GPS) tracking log of the tanker, tanker strapping chart, and Driver Confirmation/Time Log from Intergulf. The GPS tracking log and Driver Confirmation/Time Log confirmed that no additional stops were made during the time the liquid was transported from the USOR site to the Intergulf facility. The strapping chart confirmed that the stated liquid level in the tanker [37.5 inches (3,763 gallons)] matched the quantity stated on the final manifest. A copy of the initial and final shipping manifest, vehicle GPS tracking log, strapping chart, and Intergulf Driver Confirmation/Time Log is presented in Appendix M.

Table 6: March 2014 Bioreactor Liquid Removal Summary		
Date	Shipping Manifest Number	Manifest Volume (gallons)
3/24/2014	76103	4,221*
3/25/2014	76131	4,500
	Total	**8,721**

*Note: Transportation manifest signed at time of off-site shipment indicated volume of 5,000 gallons. Upon review of final signed manifest from the Intergulf facility, it was apparent that manifest had been altered by Intergulf tanker driver to indicate that 4,221 gallons of liquid had been disposed at Intergulf facility. After investigation, it was determined that Intergulf tanker driver had errantly gauged the tanker after loading. The initial volume was based on a measurement error (apparently misreading the liquid height in the tanker). When unloading the tanker at the disposal facility, the tank driver again gauged the tanker and revised the initial volume that he had noted based on a corrected measurement. To fully document the basis for the discrepancy, the PRP Group obtained a GPS tracking log of the tanker and tanker strapping chart from Intergulf. The GPS tracking log confirmed that no additional stops were made during the time the liquid was transported from the USOR site to the Intergulf facility. The strapping chart indicated that 41 inches of liquid level (4,221 gallons) was contained in the tanker. A copy of the final shipping manifest, strapping chart and vehicle GPS tracking log is presented in Appendix M.

Table 7: Bioreactor Solid Removal Summary		
Date	Shipping Manifest Number	Manifest Volume (gallons)
12/12/2013	006581999FLE	3,884
12/13/2013	006581923FLE	2,486
12/16/2013	006581924FLE	4,200
12/18/2013	006581925FLE	4,906
12/20/2013	006582000FLE	4,849
12/20/2013	006582001FLE	4,118
12/22/2013	006582002FLE	3,128
1/2/2014	006582003FLE	3,947
1/3/2014	006582004FLE	3,384
1/7/2014	006582005FLE	4,876
1/9/2014	006582006FLE	4,617
1/14/2014	006582007FLE	4,876
1/16/2014	006582008FLE	4,906
1/19/2014	006582009FLE	4,876
1/22/2014	006582010FLE	4,876
1/26/2014	006581926FLE	4,734
1/30/2014	006582011FLE	4,439
2/5/2014	006581927FLE	4,734
2/7/2014	006581928FLE	4,734
2/13/2014	006581929FLE	4,734
2/16/2014	006581930FLE	4,792
2/18/2014	006581932FLE	4,906
2/20/2014	006581933FLE	4,906
2/24/2014	006581934FLE	4,906
2/26/2014	006581935FLE	4,849
2/28/2014	006581936FLE	4,766
3/3/2014	006581942FLE	4,849
3/5/2014	006581937FLE	4,849
3/7/2014	006581938FLE	4,849
3/9/2014	006581939FLE	4,849
3/11/2014	006581940FLE	4,849
3/16/2014	006582012FLE	4,849
4/2/2014	006583794FLE	4,650
4/4/2014	006583793FLE	3,900
	Total	**154,073**

Table 7: Bioreactor Solid Removal Summary		
Date	Shipping Manifest Number	Manifest Volume (gallons)

Note:
Approximately 57,560 gallons of slurried Bioreactor solids were returned from the cement kilns to the Site due material handling issues (typically, too high of a viscosity or solids content to allow use in the kiln). The returned quantity was added to the next outgoing load departing the Site.

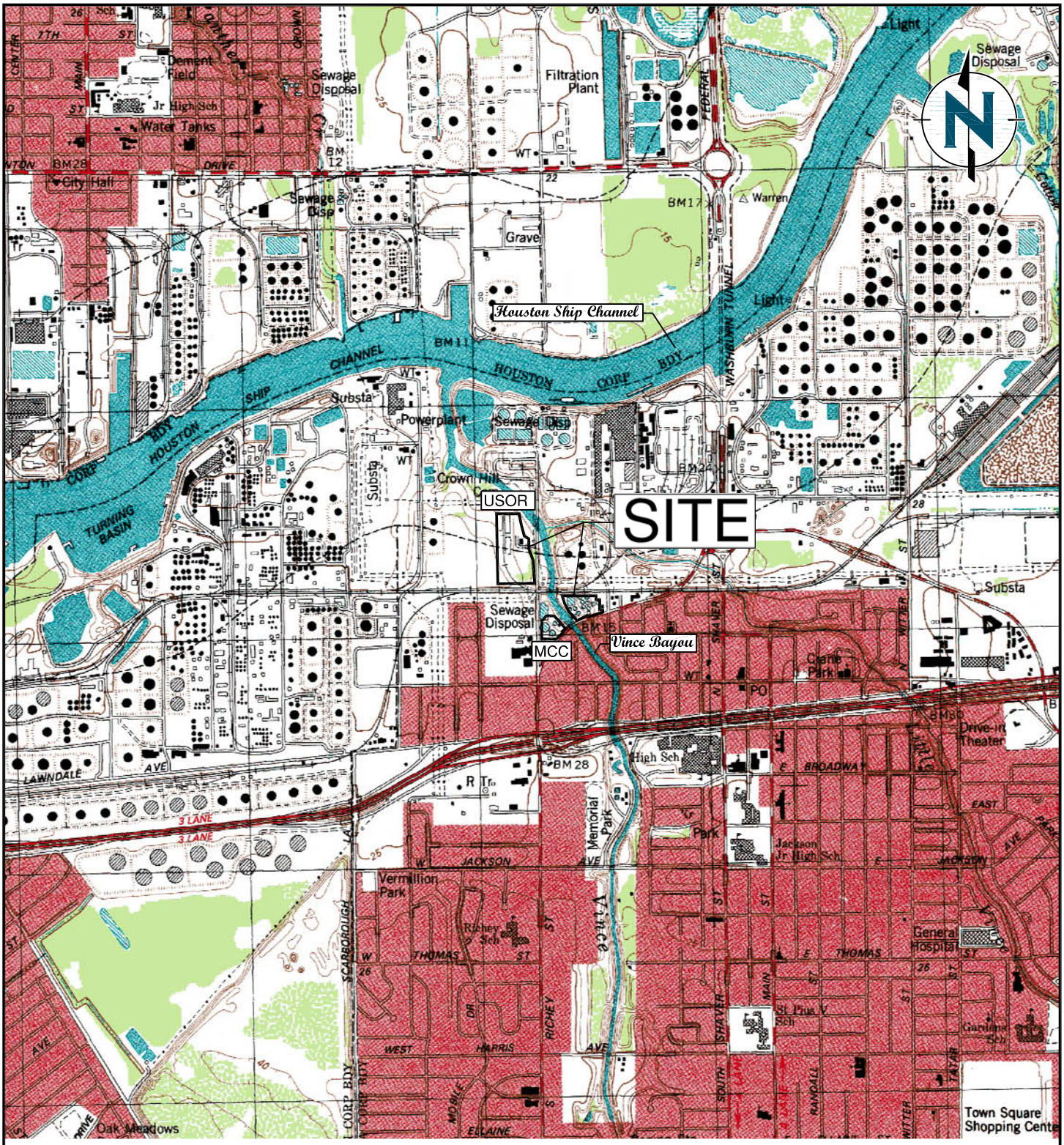
Table 8 – Bioreactor Concrete Slab Rinsate Sample Analytical Summary								
Analyte	**SDL**	**Results (mg/L)**						
		BR-W-R1	BR-W-R2	BR-E-R1	BR-E-R2	BR-EB-R	DUP*	TRIP
2-Methylphenol	0.000033 mg/L	U	0.00012 J	U	U	U	U	NA
3,4-Methylphenol	0.00003 mg/L	U	0.00011 J	U	U	U	U	NA
1,2-Dichloroethane	0.2 ug/L	U	U	U	U	U	U	U
2-Butanone	0.5 ug/L	U	U	U	U	U	U	U
Benzene	0.2 ug/L	U	U	U	U	U	U	U
Trichloroethene	0.2 ug/L	U	U	U	U	U	U	U

Notes:

SDL – Sample Detection Limit
J - Analyte detected below method quantitation limit
U - Analyzed but not detected above the sample detection limit (SDL) listed in table.
NA - Not analyzed
Dup* - Duplicate sample of BR-W-R1

-

FIGURES



SCALE 1:24000

0 0.5 1
Kilometers

0 1/2 1
Miles

2000 0 2000 4000
Feet

Source: U.S. Geological Survey 7.5 minute (topographic) quadrangle; Pasadena, Texas.

ENVIRON

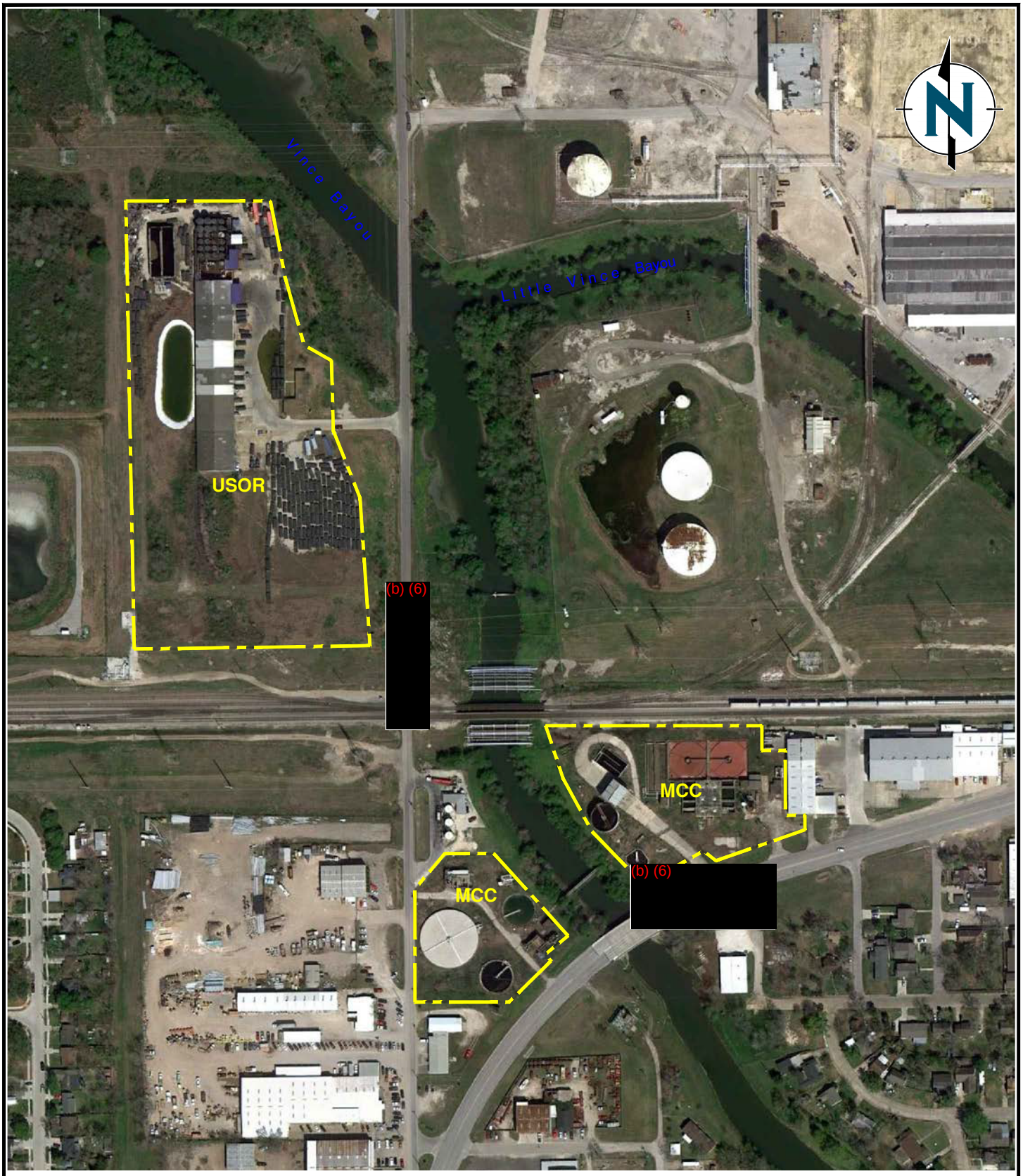
DRAFTED BY: \GMILES	DATE: 9/27/2011

Site Vicinity Map

Phase I Site Monitoring and Stabilization Work Plan
US Oil Recovery Site
Pasadena, Texas

Figure
1

C:\PROJECTS\PASADENA TX\SLM PASADENA TX.DWG



EXPLANATION

Approximate property boundary

0 300 600

Scale in Feet

Aerial Photograph Source: © Google; March, 2011.

C:\PROJECTS\PASADENA TX\SITE BOUNDARY MAP PASADENA TX HASP.DWG

ENVIRON

DRAFTED BY: \GMILES | DATE: 1/16/2015

Site Area Map

Phase I Site Monitoring and Stabilization Work Plan
US Oil Recovery Site
Pasadena, Texas

Figure
2

APPROXIMATE PROPERTY BOUNDARY

N

Bioreactor

West East

0 70 140

Scale in Feet

Aerial Photograph Source: © Google 2013; dated October 2012.

C:\PROJECTS\PASADENA TX\SITE LAYOUT.DWG

ENVIRON

DRAFTED BY: \GMILES | DATE: 10/13/2014

Site Layout

US Oil Recovery Site

Pasadena, Texas

Figure

3

APPENDIX A

WORK PLAN ADDENDUM 1

Addendum 1 to AOC Work Plan

Bioreactor Removal Work Plan

April 20, 2012

April 20, 2012

Via Electronic Mail

Adam Adams
On Scene Coordinator
United States Environmental Protection Agency
1445 Ross Avenue
Dallas, Texas 75202
adams.adam@epamail.epa.gov

Re: Response to EPA Feedback; Work Plan Addendum 1 for Bioreactor Work Plan Comments for the Former US Oil Recovery/MCC Recycling Site, Pasadena, Harris County, Texas CERCLA Docket No. 06-10-11

Dear Mr. Adams:

On behalf of the US Oil Recovery (USOR) Site PRP Group ("PRP Group"), ENVIRON International Corporation (ENVIRON) is pleased to submit responses to your comments and questions related to the USOR Site Bioreactor Work Plan. Your comments/questions were included in two (2) emails to the Settling Respondents (Mr. Paul Sarahan), a first one dated Monday, March 12, 2012 at 11:04 AM and second one dated March 12, 2012 at 3:33 PM. The PRP Group proposes that these responses to your questions in addition to the February 24, 2012 Effective Environmental Proposal/Work Plan (attached), previously submitted to you March 12, 2012, will constitute the complete Work Plan for the liquid removal phase of the Bioreactor Removal Project. A second addendum containing analytical results for solids will be submitted prior to solids removal. This addendum will also include any changes to the Work Plan if necessary due to those analytical results.

Each USEPA comment or question is provided first in italicized-font text followed by the ENVIRON response.

***EPA – No. 1*:** Monday, March 12, 2012 11:04 AM

What's the plan if any of the contents (liquids/sediments/sludges) come back as hazardous (benzene/lead/etc.)? Do you have analytical results/feedback from Intergulf on the liquid?

Liquid Contents

ENVIRON Response: To answer the second question first, we do not have any analytical results for any of the contents at present. These analytical results will determine the classification of the contents and how these materials can be properly disposed. The Group will select an appropriate disposal facility based upon the classification of these materials.

The PRP Group has developed and is now finalizing a scope of work for collecting samples to classify the Bioreactor liquid contents for disposal purposes. The implementation of the scope of work for sampling and removal is tentatively scheduled to begin in early May 2012. Samples of the liquid contents will be obtained from the Bioreactor and submitted for analysis to determine classification. The current plan is to analyze the samples for the following parameters:

1. TCLP VOA Method 1311-8260
2. TCLP SVOA Method 1311-8270
3. TCLP RCRA Metals Methods 1311-6020-7470
4. Reactivity (SW846 Chapter 7)
5. Corrosivity (SW 9045)
6. Ignitibility (SW 1010)

Once the analytical results are received, the data will be compared to the waste classification regulatory levels for the constituent list. Based on the analytical results, ENVIRON will complete and submit a Waste Profile to Intergulf for approval. ENVIRON will also submit a copy of the same profile to EPA for review. The PRP Group intends on disposing of the liquid at Intergulf, however, evaluation of alternative disposal options may be required depending on the analytical results.

In conclusion, because we do not have analytical results at the moment, we cannot yet determine what facilities would be able to accept the materials if they are determined to be hazardous. Once the analytical results are obtained, the material will be disposed of properly at a facility appropriate for the type of waste in question.

Sludge/Solid Contents

Management of the sludges/solids in the Bioreactor is described on Page 2 of the February 23, 2012 Effective Environmental Proposal (Initial Bioreactor Work Plan) to ENVIRON in Attachment 1. This plan assumes disposal of the sludges/solids at Seabreeze Environmental Landfill in Angleton, Texas as Class 1 nonhazardous. If the sludge/solids analytical results indicate the solids are hazardous, alternative disposal methods will be investigated. Disposal alternatives/facilities will depend on which constituents exceed the regulatory hazardous classification levels. Solids analytical results and any necessary changes to disposal methods will be described in the second Work Plan addendum described previously.

EPA – No. 2; Monday, March 12, 2012 11:04 AM

I'd have to check the database, but if I recall correctly, not all of the roll-off containers near the bioreactor are solid enough or empty enough to be loaded and moved with a roll-off truck. When they are inclined, its opportune time for spillage.

ENVIRON Response: See response to **EPA – No. 4** below.

EPA- No. 3; Monday, March 12, 2012 3:33 PM*. (Introductory Section Question):*

Comments in response to the Bio-reactor Workplan and Cost Estimate from Effective Environmental via Environ are below. Please be advised that these comments are primarily for clarification. Also, what level of involvement / oversight will Environ and the PRP Group have during this task?

ENVIRON Response: ENVIRON as a contractor to the PRP Group will perform oversight of the activities in a manner similar to how it oversees the periodic pump down responses currently being implemented at the Site. An ENVIRON staff member will be onsite during the work necessary to remove the liquids and the sludges/solids from the Bioreactor. The PRP Group's Technical Committee and ENVIRON will perform technical oversight of the activities in addition to providing funding for the removal activities.

EPA- No. 4; Monday, March 12, 2012 3:33 PM*. (Question 1):*

Roll-off container / vessel relocation. Which roll-off'/vessels? Where will they be relocated to? How full are they (see below)? If they are too full for using a roll-off truck due to spillage during inclining the boxes, what's the contingency plan? If the contents of the box are relocated in order to relocate the box, where will the contents go? Please note that liquids were removed from overflowing roll-off containers during the rain event on 07/01/10. These liquids were sampled and exhibited high concentrations of lead, which were not going to be accepted at the Intergulf facility as "Oily Water." The majority of liquids and sludges in the roll-off containers were put there in late 2009 when the volume in the bio-reactor was dropped.

The roll-off boxes located on the east side of the bio-reactor are 50-90% full of liquid:

R0195-RB-0325335-Tidal Tank – 80% oily liquid
R0196-2125-Advanced Waste Systems – 90% oil
R0197-RB-0825308-Tidal Tank – 90% orange oily liquid
R0198-RB-0325354-Tidal Tank – 50% oily liquid
R0199-RB0625202-Tidal Tank – 50% oil
R0200-RB-0825324-Tidal Tank – 50% oily liquid
R0201-RB-0825240-Tidal Tank – 50% oily liquid
R0202-RB-0225139-Tidal Tank – 90% oily liquid
R0203-No Box ID-AW Systems (AWS) – 60% liquid

The roll-off boxes located on the west side of the bio-reactor are 80-90% full of liquid:

R0204-No Box ID-Dragon-No Vendor ID – 100% liquids and solids
R0205-RB-0525145-Tidal Tank – 80% liquid
R0206-RB-0525067-Tidal Tank – 90% liquid
R0207-RB-0725023-Tidal Tank – 90% liquid
R0208-RB-0525043-Tidal Tank – 90% liquid
R0209-RB-0825272-Tidal Tank – 80% liquid

ENVIRON Response: Relocation of the west side roll-off containers is not anticipated to be necessary for work related to the removal of contents from the Bioreactor. Relocation of the roll-off containers on the east side of the Bioreactor will not be required for removal of the Bioreactor liquid contents. However, the east side roll-off containers will be relocated for removal of the solids from the Bioreactor. The plan is to remove the liquids under this addendum first. The second addendum described above will include a description of the roll-off container relocation activities needed for removal of solids from the Bioreactor.

EPA – No. 5; Monday, March 12, 2012 3:33 PM (Question 2)*.*

Similar to the roll-off containers, where will the equipment in the path to the bio-reactor along the north of the property be relocated to?

ENVIRON Response: The existing facility equipment that is currently located on the north side of the Bioreactor will be moved to provide access to the Bioreactor for removal of the liquid contents. This equipment will be staged near the small and large ball mill located near the front of the warehouse.

EPA – No. 6; Monday, March 12, 2012 3:33 PM*. (Question 3)*

Regarding the liquid, there is a high probability that there is high benzene and lead concentrations, and possible other analytes. Are there any analytical results from the profiling of this material?

ENVIRON Response: We do not have analytical results at the moment, so we cannot yet determine what facilities would be able to accept it if it is hazardous. Once the analytical results are obtained, if hazardous, the material will be disposed of properly at a facility appropriate for the type of waste in question. Although the liquid contents have not been sampled for profiling purposes, the scope of work for sampling of the liquid contents is discussed in response to **EPA – No. 1;** Monday, March 12, 2012 11:04 AM above.

EPA – No. 7; Monday, March 12, 2012 3:33 PM*. (Question 4)*

Regarding the liquid removal, what's the strategy with the 1 supervisor, 1 technician, 1 - 4" pump, and 300' hose?

ENVIRON Response: The staffing and equipment specified for this task is based upon a determination that the primary limiting factors will be the rate at which tank trucks can be filled and that only one tank truck can be located in the loading area at a time. Thus the staffing and equipment was selected to be able to meet the need to continuously be filling a tank truck during the liquids removal stage of the work. This will be accomplished in the following manner: A single 4-inch pump will be located on the north end of the Bioreactor and the suction pipe will be submerged into the water phase near the bottom of the liquid column. The 4-inch discharge pipe from the pump with the 300-foot hose, will run through the filter press area of the warehouse and be connected to the tanker truck, which will be parked in the concrete pad wash area on the east side of the warehouse. No personnel will enter the Bioreactor during the liquid contents removal. One supervisor and one technician represent sufficient staffing to complete the liquids removal portion of the project.

A Task Hazard Analysis (THA) will be prepared prior to implementing the removal of Bioreactor liquid contents.

EPA – No. 8*; Monday*, March 12, 2012 3:33 PM *(Question 5)*

Will this liquid removal include the liquid in the secondary containment?

ENVIRON Response; Yes

EPA – No. 9; *Monday*, March 12, 2012 3:33 PM *(Question 6)*

Regarding sludge/sediment removal, what's the strategy with the 1 supervisor, 3 technicians, etc.

ENVIRON Response: The staffing and equipment specified for this task is based upon a determination that the primary limiting factors will be the need to treat the physical entry into the Bioreactor to remove solids as a confined entry situation. This involves a team of two individuals entering the Bioreactor while a rescue team of two individuals monitor the activities from the outside and are in a position to extract the team in the Bioreactor if the need arises. Specifically, the process is: Once the pumpable liquid contents are removed, oxygen concentrations and combustible gas concentrations (including the lower explosive limit) will be measured using a 4-gas meter prior to making an entry inside the Bioreactor. The cleaning crew will enter inside the

tank on ladders donned in level C PPE to begin sludge/solids removal. Removal of the sludge/solids will be performed using an air mover which transfers the solids to the staged vacuum boxes.

A THA will be prepared prior to mobilization for implementing the removal of Bioreactor solids.

EPA – No. 10; *Monday*, March 12, 2012 3:33 PM (*Question 7)*

Are there precautions that will be taken regarding the structural integrity of the bio-reactor, especially on the west side? With personnel in the bio-reactor in level C removing liquids, sludges, and decontaminating the bio-reactor, what will be done to protect the technician if a wall comes down?

ENVIRON Response: Once the oily water/liquid is removed from the Bioreactor, ENVIRON will have a structural engineer inspect the west side of the Bioreactor for structural integrity for the removal of the solids. Based on the inspection findings, it will be determined whether it is safe to enter inside the Bioreactor. If it is determined to be unsafe, either temporary bracing will be installed or a portion of the wall will be removed providing access for the remaining activities. Once it is confirmed to be structurally safe to enter inside the Bioreactor, the tank cleaning crew will enter inside the structure to perform the remaining activities.

EPA – No. 11; Monday, March 12, 2012 3:33 PM (*Question 8)*

For the confined space entry permit, the plan states that LEL, oxygen, and benzene will be monitored prior to entry. Will these be measured continuously while personnel are in the bio-reactor? Will any other air monitoring be conducted while personnel are in the bio-reactor stirring up the contents (i.e. hydrogen sulfide, etc.)?

ENVIRON Response: Removal of sludge/solids will be performed under confined space entry procedures including continuous measurements of LEL, Oxygen, H2S and volatile compounds. The details of the air monitoring will be defined in the THA to be developed for the work.

EPA – No. 12; Monday, March 12, 2012 3:33 PM (*Question 9)*

Where are the sludge samples going to be sent for analysis for waste profiling? If the sludge is determined to have hazardous constituents, what is the plan for the disposal? Same question regarding the residual sludge and rinsate?

ENVIRON Response: As outlined in the Quality Assurance Project Plan (QAPP) for the Site currently under review by EPA, analytical testing for this Site will be performed by ALS Laboratory Group (ALS) of Houston, Texas, including this scope of work. The procedure for handling sludge and rinsate that is classified as hazardous is described in response to **EPA – No. 1** above. As discussed above, once the analytical results are obtained, if the contents are hazardous, the material will be disposed of properly at a facility appropriate for the type of waste in question.

EPA – No. 13; Monday, March 12, 2012 3:33 PM (*Question 10)*

How many persons during the cleaning/pressure washing of the bio-reactor? Same question as number 7, due to the 3,000 psi pressure washing activity being conducted on the entire structure.

ENVIRON Response: As with the sludge/solids removal task, the cleaning/pressure washing of the Bioreactor will include one supervisor, three technicians, and one air mover with operator used during pressure washing the Bioreactor. Confined space and health and safety measures outlined in the response to **EPA – No. 9 above** will be implemented during the cleaning/pressure washing activities.

EPA – No. 14; Monday, March 12, 2012 3:33 PM (*Question 11)*

Will the secondary containment be decontaminated as well?

ENVIRON Response: Yes

EPA – No. 15; Monday, March 12, 2012 3:33 PM (Question 12)

After the concrete is cleaned and crushed, was the option to keep the cleaned crushed concrete on-site considered? If there is a need for fill on-site over the course of the removal and the concrete is decontaminated, would this be a means to address that?

ENVIRON Response: For the amount of concrete (approximately 350 cubic yards) contained in the Bioreactor structure and limited space for equipment, mobilizing crushing equipment to the Site for this activity would not be cost effective. The proposed scope includes breaking the concrete into sizes that are manageable by standard equipment (generally no larger than 4 feet x 4 feet) and transport it to a local concrete recycler for final disposition.

EPA – No. 16; Monday, March 12, 2012 3:33 PM (*Question 13)*

Can you provide the full company names of all facilities where the waste will be shipped or potentially be shipped along with which waste will be shipped to each? I know Intergulf has already been signed off on as a receiver, but I'd like to check any new receiving facilities to make sure there are no EPA RCRA restrictions. The same for contingency facilities that may have to take the material if it is classified as hazardous

ENVIRON Response: As indicated above, liquids will be disposed at Intergulf and nonhazardous sludges/solids will be disposed at Seabreeze Environmental Landfill in Angleton, Texas. If analytical results require disposal at facilities other than Intergulf or Seabreeze, EPA will be provided with the name, location and contact information for alternate disposal facilities in accordance with the Settlement Agreement.

EPA – No. 17; Monday, March 12, 2012 3:33 PM (*Question 14)*

When is this task tentatively projected to begin and end? (If you could let me know the answer to this one soon, I'd appreciate it). My April is filling up fast, but I may be able to move some stuff around.)

ENVIRON Response: Mobilization estimated to commence around May 1, 2012 with liquid removal estimated to be completed by approximately May 15, 2012 and complete closure by the end of July 2012.

If you have any additional questions or comments, please contact me by phone at 713-470-6651 or by email at (bjones@environbcorp.com) of Robert Coffman at 405-286-9198 or his email (rcoffman@environcorp.com). We look forward to working with you on this important project.

If you have any questions and/or comments, please contact me at 405-286-9198 at your convenience.

Sincerely,

Robert E. Coffman, PG
Senior Manager & USOR Project Coordinator

Brent M. Jones, PE, BCEE
Principal and Board Certified Environmental Engineer

cc: Eric Pastor, Pastor, Behling & Wheeler, LLC

Attachment – Effective Proposal-Cost Estimate

Attachment

Effective Proposal-Cost Estimate

E² EFFECTIVE ENVIRONMENTAL Inc.

9950 Chemical Road
Pasadena, Texas 77507
Phone 281-824-0800
Fax 281-474-2580

February 24, 2012

Mr. Robert Coffman
Environ International Corp
10333 Richmond Ave, Ste. 910
Houston, TX 77042
rcoffman@environcorp.com

Re: Work Plan and Cost Estimate for Removal of Liquid and Sediment/Sludge from Bio-Reactor and Demolition of Bio-Reactor; US Oil Recovery Site in Pasadena, TX

Dear Mr. Coffman,

Effective Environmental, Inc. (E^2) is pleased to submit the following proposal for the above referenced project. E^2's proposal is based upon information provided by Environ International Corp (Client). The following proposal contains a Work Plan, Cost Estimate, Schedule, and Conditions.

E^2 has included a detailed scope of work and has set forth our assumptions as well as conditions of pricing below. These have been communicated to ensure that our plan is based on the correct information and may be appropriately evaluated.

SCOPE OF WORK

- It is our understanding that the bio-reactor is 120' long x 60' wide containing three layers of material as listed below:
  - 1" of organic layer (top layer)
  - 10' of liquid (middle layer)
  - 1' of settled solids (bottom layer)

- Initial preparation activities to allow access to the bio-reactor will include the relocation of equipment, vessels and roll-off boxes (boxes contain solids and can be moved utilizing a standard roll-off truck) adjacent to the bio-reactor to facilitate removal of liquid and solids as well as demolition of the bio-reactor prior to E^2's mobilization. Electricity has already been air gapped from the bioreactor utilizing blind flanges. Upon arrival onsite this will be verified prior to any work activities being commenced on the structure.

Removal of Liquid without any Filtration

- The oily water will be profiled at Intergulf Recycling Facility Recycling/Disposal Facility prior to mobilization.
- E^2 will provide a site supervisor, one technician, one 4" pump, and up to 300' (suction and discharge hose) of 3" hose to remove liquid. If required, a frac tank will be provided to serve as a surge tank for removed liquid, during the liquid removal operation.

- E^2 will remove liquid to the extent possible using a 4" pump and transfer it into E^2 provided tanker trucks/vacuum trucks (minimum 5,000 gallons/load). Our proposal does not include provision of filtering liquid for removal of any solids/sludge. Our pricing is based on transporting minimum 15 loads of oily water (75,000 gallons) per day. Based on the information provided by the client, it is our understanding that Intergulf will accept loads after normal business hours.
- E^2 will transport and dispose of oily water as used oil liquid at the client designated recycling/disposal facility (Intergulf Recycling Facility) for final disposition. E^2 has allowed up to 1 hour for unloading oily water at the client designated recycling/disposal facility. Any additional waiting time will be charged at $110.00/hour.
- E^2 estimates up to 8 days to complete removal of 500,000 gallons of liquid from the bio-reactor.
- Our pricing for removal of liquid is contingent upon using E^2 provided vacuum trucks/tanker trucks.

Removal of 1' of bottom Sediment/Sludge

- E^2 will provide a site supervisor, three technicians, an air mover with operator, a confined space entry equipment, a 4-gas meter and up to five (5) vacuum boxes to remove up to 1' of sludge (up to 267 c.y.) from the bio-reactor.
- E2 will collect One (1) sample to have TCLP Volatiles, TCLP Semi-Volatiles and TCLP RCRA Metals as well as RCI analysis performed on a standard turn around to confirm correct profiling of the sediment/sludge.
- It is our understanding that the bio-reactor is structurally intact and will not pose threat of wall(s)/structure collapse.
- Prior to making entry inside the bio-reactor, E^2 will measure LEL, O_2 and benzene and prepare a confirmed space entry permit.
- E^2 will make an entry inside the bio-reactor donned in level C PPE and begin removal of sediment/sludge. E^2 will remove up to 267 c.y. of sediment/sludge using an air mover and transfer it into E^2 provided five (5) vacuum boxes.
- E^2 will transport and dispose of up to 267 c.y. of sediment/sludge (up to 347 tons) as class – 1 non-hazardous waste material at an approved disposal facility. For estimating purposes, E^2 assumes that the density of sludge is 1.3 tons/cubic yard. All used PPE and hoses will be disposed of along with the sludge/sediment as class – 1 non-hazardous waste material at E^2 designated disposal facility.
- The unit rate for disposal of sediment/sludge is based on disposal at the Seabreeze Environmental Landfill in Angleton, TX only. If alternate disposal facility requires to be used, additional charges may apply.
- E^2 will remove PVC piping and diffusers and transfer them into E^2 provided vacuum box. E^2 will transport and dispose of PVC piping and diffusers as class – 1 non-hazardous material.
- Our proposal is based on gross removal of sediment/solids and based on our onsite evaluation assumes that chipping, blasting, chemical and/or mechanical removal will not will be required.
- E^2 estimates up to 5 days to complete removal of 267 c.y. (347 tons) of sediment/sludge, PVC piping and diffusers from the bio-reactor.

Cleaning/Pressure Washing Bio-Reactor

- Once sediment/sludge is removed from the bio-reactor, E^2 will wash bio-reactor using a 3,000 psi pressure washer. E^2's cleaning crew will enter the tank donned in level C PPE to pressure wash the floor and walls of the bio-reactor using a 3000-psi pressure washer by making up to two passes or until visually clean; whichever should come first.
- E^2 will remove residual sludge and rinsate using an air mover and transfer it into one vacuum box. E^2 will transport and dispose of residual sludge and rinsate as class – 1 non-hazardous waste material.

- The line item pricing for pressure washing bio-reactor includes transportation and disposal of up to 15 tons of residual sludge and rinsate as class – 1 non-hazardous waste material at E^2 targeted disposal facility.
- E^2 estimates up to 1 – 10 hour day to perform cleaning/washing of bio-reactor.

Demolition of Bio-Reactor and Influent/Effluent Pipe Blinding

- E^2 will provide a site supervisor, two operators, one PC200 trackhoe with 5,000 lb. hammer, and one PC200 trackhoe with thumb to demolish bio-reactor.
- E^2 will cut ladder walkway using a cutting torch and stage them adjacent to bio-reactor. E^2 will cut up to 6 – 6" pipe (influent and effluent) and blind them using a blind flange. Our proposal does not include any excavation to uncover any piping.
- E^2 will demolish side walls and center wall (wall thickness not to exceed 6") of the bio-reactor using a PC200 trackhoe with hammer. It is our understanding that the floor/foundation will not require to be demolished.
- All removed concrete debris will be loaded, transported and recycled of at Southern Crush Concrete using end-dump trucks. This option assumes that the concrete will be visibly free of oil following pressure washing.
- The secondary containment walls, will also be demolished and concrete from the demolition will be loaded out for offsite recycling at Southern Crush Concrete.
- It is our understanding that the equipment (air compressor) and concrete foundation for the equipment will not be removed.
- E^2 estimates up to 2 days to complete demolition of bio-reactor including influent/effluent pipe blinding.

Cost Schedule
Please see the attached Cost Estimation Table.

The above proposal is based on following conditions:

- The project will be invoiced at the above unit rates for actual quantities incurred. The above quotation is based upon working 10 hours/day (7:00 a.m. to 5:00 p.m. – Monday through Friday including mobilization and demobilization). Any worked performed outside these hours will be invoiced at time and one half, with the exception of holidays, which will be invoiced at double time. All prices are portal to portal.
- Pricing does not include providing secondary containment for any vacuum boxes.
- Our work plan does not include providing any dewatering boxes to filter the removed liquid.
- The above pricing is based on performing work under level C PPE. If PPE upgrade is required, additional charges will apply. Pricing is based on performing work under E^2's current insurance.
- Pricing is valid for 45 days and subject to mutual acceptable terms.

We appreciate the opportunity to submit this proposal. If you have any questions or require additional information, please contact me at (281) 842-0804.

Sincerely,
Effective Environmental, Inc. (E^2)

Hiren Shah

Hiren Shah
Sr. Project Manager/Estimator

COST ESTIMATION
US OIL RECOVERY SITE, PASADENA, TEXAS
BIOREACTOR REMOVAL

Item	Activity	Basis for Projected Price	Projected Quantity		Cost Estimation	
			Amount	Unit	Unit Price	Total Projected Price
Liquids Removal/ Disposal	Relocation of roll-off boxes and equipment/ vessels near the fence line to access bio-reactor	Lump Sum	1	LS	$11,525.0000	$11,525.00
	Liquids Removal from Bioreactor	Unit Price (per gallon)	500,000	gal	$0.0430	$21,500.00
	Transport to Disposal Facility	Unit Price (per gallon)	500,000	gal	$0.1500	$75,000.00
	Disposal	Unit Price (per gallon)	500,000	gal	$0.156	$78,000.00
	Washout of Frac Tank and Vacuum Trucks	Lump Sum	1	LS	$15,010.000	$15,010.00
	Subtotal					**$201,035.00**
Sediment Removal/ Disposal	Mob/Demob	Lump Sum	1	LS	$8,780.000	$8,780.00
	Sediment Removal from Bioreactor	Unit Price (ft^3)	7,200	ft^3	$4.550	$32,760.00
	Pressure Washing Prior to Demolition	Lump Sum	1	LS	$11,479.000	$11,479.00
	Transport to Disposal Facility (Assuming, density of sludge 1.3 tons/c.y.)	Unit Price (per ton)	347	ton	$45.500	$15,788.50
	Disposal (Assuming, density of sludge 1.3 tons/c.y.)	Unit Price (per ton)	347	ton	$94.00	$32,618.00
	Washout - Vacuum Boxes	Lump Sum	1	LS	$8,500.00	$8,500.00
	Subtotal					**$109,926**
Bioreactor Demolition	Demolition (including mob/demob)	Lump Sum	1	LS	$16,600.00	$16,600
	Influent/Effluent Pipe Blinding	Lump Sum	1	LS	$1,625.00	$1,625
	Transport to Disposal Facility	Unit Price (per load)	18	load	$175.00	$3,150
	Disposal - Assuming, Clean Concrete	Unit Price (per ton)	320	ton	$0.00	$0
	Subtotal					**$21,375**
Total						**$332,336**

Additional Budgetary Pricing

1)	Separate mobilization and demobilization for each phase	Lump Sum	2	each	$1,430	$2,860

APPENDIX B

WORK PLAN ADDENDUM 2

Addendum 2 to AOC Work Plan

Containerized Materials Field Screening and Removal Work Plan

July 29, 2013

July 29, 2013

Via Electronic Mail

Adam Adams
On Scene Coordinator
United States Environmental Protection Agency
1445 Ross Avenue
Dallas, Texas 75202
adams.adam@epamail.epa.gov

Re: Response to EPA Feedback; Work Plan Addendum 2 for Containerized Materials Field Screening and Removal Work Plan Comments for the Former US Oil Recovery/MCC Recycling Site, Pasadena, Harris County, Texas CERCLA Docket No. 06-10-11

Dear Mr. Adams:

On behalf of the US Oil Recovery (USOR) Site PRP Group ("PRP Group"), ENVIRON International Corporation (ENVIRON) is pleased to submit responses to your comments and questions related to the USOR Site Containerized Materials Field Screening and Removal Work Plan ("Addendum 2 Work Plan"). Your comments/questions were included in an email to the PRP Group dated July 18 2013. The PRP Group proposes that these comment responses in addition to the June 27, 2013 Sumter Transport Company (Sumter) Proposal/Work Plan (attached) will constitute the complete Addendum 2 Work Plan for the field screening and removal of containerized solids.

Each USEPA comment or question is provided first in italicized-font text followed by the ENVIRON response.

EPA Comment No. 1: *I understand Sumter is a contractor directly for the PRP Group. Does Environ have the authority to direct any of the process (i.e. sampling, processing, etc.)? If Sumter is not following the addendum, can Environ stop the operation and get the operation in-line with the approved Sludge Management plan? If not, who is the contact for Sumter that I need to coordinate with? Who is the contact for the PRP Group that Sumter answers?*

ENVIRON Response: During the implementation of the Addendum 2 Work Plan, ENVIRON will have personnel on-site full time who will be responsible for oversight of the contractor, compliance with the Work Plan Addendum and Site Health and Safety Plan (HASP), tracking the removal of solids, and documenting site activities. Although not contracted directly with Sumter, ENVIRON's on-site personnel will be acting as the PRP Group's on-site representative and will have the PRP Group's full authority to stop work and re-direct Sumter's compliance with approved Site work and HASP.

EPA Comment No. 2: *If a tank, roll-off container, tote, drum, etc. is brought into the Sludge Management process, it should be documented in the status of a database (i.e. blended, shipment date, shipment load #, empty, cleaned, final disposition, etc.). Will Environ be utilizing a sludge database to track container (all containers, tanks, roll-offs, etc) status during this process? Will reporting from this operation come to the EPA from Environ or Sumter? Who at the Site will be tracking the waste?*

ENVIRON Response: During the initial Site Conditions Assessment performed in October 2011, ENVIRON compared the existing on-site inventory of drums, totes and roll-off boxes against EPA's inventory compiled during previous response actions. This information was assimilated into an Excel spreadsheet (i.e., container tracking database) for future Site Monitoring and waste tracking purposes. As stated in the EPA Comment No. 1 response, ENVIRON will have personnel on-site full time during the implementation of the work who will be responsible for oversight of the contractor including tracking the removal of solids and documenting the containers that are emptied. Deliverables and tracking documents will be provided to EPA by ENVIRON through established PRP Group communications and/or reporting methods.

EPA Comment No. 3: *What about Site containments, secondary containments, and sumps? Is it the intention that sludges/liquids from those can also be included along with the bio-reactor, roll-off containers, above ground storage tanks, totes and drums?*

ENVIRON Response: For the proposed Addendum 2 activities, Sumter screened materials from 20 of the remaining 210 roll-off boxes and the North Tank Farm ASTs. The screening process was used to determine if the materials possess sufficient Btu value to meet the minimum fuel value for use as Hazardous Waste Derived Fuel (HWDF) at the receiving cement Kilns. It is not expected that many (if any) Site containment structures, secondary containments, bays, or sumps will contain material that meet the minimum Btu values needed for HWDF; however, if any of the liquids/sludges in those areas are found to be amenable to management as HWDF, they may be included in this removal action. The PRP Group has decided to address the North Tank Farm ASTs, totes and drum materials under a separate work plan and, therefore that material will not be addressed in the Addendum 2 Work Plan.

EPA Comment No. 4: *According to the addendum, it indicates approximately 2 weeks for sampling, 4 days mob/demob, and 47 days for shipping, approximately how much time is estimated for processing/preparing materials prior to shipment?*

ENVIRON Response: Sumter's anticipated 47-day schedule for shipping material off-site includes the necessary material processing and preparation. Please refer to Page 3 of the Addendum under the Materials Management section identified as "*Sludges/Solids"* for details.

EPA Comment No. 5: *Prior to shipment and based on the duration of the processing, it should be confirmed again with the respective EPA regional coordinators if the receiving facilities are still in an acceptable status by the EPA*.

ENVIRON Response: The PRP Group will check the status of each target receiving facility prior to shipping any material from the Site.

EPA Comment No. 6: *Page 2 indicates tank/container bottoms in 3 of the 4 options. Is the term bottoms being used to describe all solids and sludges being processed? If a roll-off container is 75% full of nothing but solids, is this considered all bottoms?*

ENVIRON Response: The reference to "bottoms" on Page 3 of the Addendum 2 Work Plan is a term of art used to describe solids in tanks or vessels. This project only involves liquids and solids and the term "bottoms" is interchangeable with solids and/or sludges.

EPA Comment No. 7: *Sampling – Please describe the sampling procedure moreso [sic]. Is a grab sample from the sludge from the top 6 inches of a roll-off considered representative, or is the plan to collect a sample from the column of sludge in a roll-off container?*

ENVIRON Response: Sumter collected samples from the full depth of the container as part of the screening evaluation performed during the week of July 8, 2013. Based on historic EPA response action sample results and the consistent screening results from the 20 roll-off boxes and 19 ASTs that were sampled at that time, Sumter believes they have sufficient information to move forward with the full scale implementation of the solids removal project.

EPA Comment No. 8: *Page 3 indicates Sumter will notify Environ of "major changes" in shipping plans and subsequently state environmental officials of the respective receiving facility. Will this include notification to EPA?*

ENVIRON Response: Yes.

EPA Comment No. 9: *Any specifics regarding spill prevention during the processing of the sludges/liquids?*

ENVIRON Response: Sumter's spill prevention plan is provided as an attachment to these comment responses. In general, Sumter will construct a secondary containment staging area for processing solids. After determining the mechanical integrity and door seal conditions are adequate for moving, the Roll-off boxes will be moved to the secondary containment using a roll-off truck. During movement, drip pans, absorbent materials, spill response supplies, and plastic sheeting will be used to contain the contents. Hoses with cam-lock fittings will be used, with the cam-locks secured with Velcro, wires, or duct tape to prevent loosening during handling and operation.

EPA Comment No. 10: *The plan indicates "only materials that can be processed as a HWDF will be managed by Sumter." What is the plan with the remainder of the sludges/liquids in the bio-reactor, ASTs, roll-off containers, etc? It does indicate that the other material will be utilized if it can [sic] has a fuel value, but what about the remainder?*

ENVIRON Response: The intent of this solids removal project is to ship all high Btu value Bioreactor and roll-off box materials off-site for use as HWDF. Materials that do not have sufficient Btu value will be managed under separate work plan(s). Based on Sumter's sampling, it is expected that, at the conclusion of this solids removal project, no materials will remain in the Bioreactor and roll-off boxes.

EPA Comment No. 11: *What will be provided to EPA following disposition of the sludges/liquids to confirm closure on a specific tank, roll-off container, etc?*

ENVIRON Response: Based on our conversation on July 19, 2013, it is our understanding that EPA's specific "closure" concern in this comment pertains to the documentation of the final disposition of the liquid and sludge material and not regulatory closure of a tank or container. As such, the PRP Group has arranged to have the receiving Kilns provide a certificate of destruction of the sludges/liquids to the PRP Group to document the disposition of the material. Furthermore, as provided in the response to Comment No. 2, ENVIRON will have personnel on-site full time during the implementation of the work to track the destroyed solids to specific containers that are emptied.

***EPA Comment No. 12**: Will cutter stock be brought on-site or will they only use material currently on-site?*

ENVIRON Response: Yes, based on current information, Sumter believes cutter stock will be brought to the Site for blending. Sumter will be providing the PRP Group with information that identifies the source of the cutter stock for review and approval prior to bringing the material to the Site, and will provide an MSDS for the material, if available.

***EPA Comment No. 13:** They need to provide and use the air monitoring equipment that they say they are going to use. Work plan indicates they will monitor with PID, Oxygen, H2S, and benzene detector tubes. During the initial work I do not believe they monitored for Oxygen or H2S. The benzene tubes were initially off-site which caused delays. H2S was formerly detected around the NTF ASTs at high levels.*

ENVIRON Response: Sumter and ENVIRON will conduct air monitoring using a 4-gas meter (i.e., PID, O2, H2S, and CO2) as described in the Site HASP. Air monitoring using the 4-gas meter will be conducted in the work area and periodically at the fence line. Sumter and ENVIRON on-site personnel will wear personal H2S monitoring/alarm devices as well.

***EPA Comment No. 14:** On Page 3, 1st Paragraph it states that the "oily water" will be managed according to procedures established in Work Plan Addendum 1. Does this mean that oily liquids from a roll-off container or AST will be transported to Intergulf under the current recycling profile, while the hazardous sludges from the same roll-off container or AST will be treated under the Sludge Management plan? If a roll-off container or AST is determined to be hazardous, all the contents of that container should be managed as hazardous. The hazardous portion cannot be treated as such and the "oily water" be sent as nonhaz.*

ENVIRON Response: Oily liquids in the Bioreactor and roll-off boxes that do not have sufficient Btu value for use as HWDF will be managed under the existing Intergulf profile for the Bioreactor liquids. The PRP Group has conducted a detailed Site document review including correspondence from EPA, TCEQ, Coast Guard, and Harris County related to the contents of the Bioreactor and roll-off boxes. The Site and Agency documents strongly indicate that the Bioreactor contained used oil and the roll-off boxes were used to contain the contents of the Bioreactor. This information was provided to Intergulf for profiling under the Used Oil regulations (40 CFR 279). The Bioreactor liquids profile was approved by Intergulf following an extensive review. EPA also provided its concurrence to the profile in an email correspondence dated May 22, 2012. The Used Oil regulations allow used oil to be managed under 40 CFR 279 even if the liquid exhibits a hazardous characteristic.

The potential hazardous nature of the solids is not applicable in this case. The solids are considered to be a "Used Oil contaminated material" bound for energy recovery, and in accordance with 40 CFR 279.10(c)(2) are managed as Used Oil. Furthermore, waste characterization of the solids for HWDF is not required by cement kilns.

***EPA Comment No. 15:** What will the samples be screened for? Chlorinated solvents, metals?*

ENVIRON Response: Screening of waste material is performed to assess the acceptance of the material as HWDF prior to shipment to the Kiln. To reduce the potential for load rejection or surcharges Sumter will be testing the material for Btu value and conducting blending studies to determine if cutter stock will be necessary to increase Btu value or slurry solids for transportation. Other screening will include screening the chloride content and inspecting the contents of the containers to determine the volume of water, organic liquid and solids.

Due to inconsistencies between PID and detector tube readings experienced during sampling activities performed during the week of July 8, 2013, Sumter elected to collect samples for laboratory analysis to determine the volatile content of the waste for health and safety purposes and to determine proper PPE requirements. Sample results are currently pending.

EPA Comment No. 16: *What is the plan for the material if it is rejected at the receiving facility?*

ENVIRON Response: The purpose of Sumter's screening and blending process to determine if the contents meet the minimum acceptance criteria (Btu value, blending, non-polar compounds, etc.) prior to shipping material off-site. Based on the screening done to date, it is expected that the materials shipped to the Kilns will meet the acceptance criteria and will be accepted at the receiving facility. In the unlikely event that a load is rejected at the kiln, the material will be brought back to the USOR Site for further evaluation and subsequent management based on that evaluation.

EPA Comment No. 17: *What will be done with the empty containers (i.e. roll-off boxes)?*

ENVIRON Response: After removal of contents, roll-off boxes will be staged on-site RCRA empty and tarped pending final disposition with the container owners.

EPA Comment No. 18: *Does this plan include the decon of the bio-reactor?*

ENVIRON Response: Yes, the Bioreactor will be decontaminated. The details of the Bioreactor decontamination are provided in Addendum 1 Work Plan dated April 20, 2012.

EPA Comment No. 19: *Will the remainder of the roll-off containers be screened?*

ENVIRON Response: Based on the consistent screening results from 20 roll-off boxes that were sampled during the week of July 8, 2013, Sumter believes they have sufficient information to move forward with the full scale implementation of the solids removal project, without further screening of the remaining roll-off boxes.

If you have any additional questions or additional comments, please contact me by phone at 713-470-6651 or by email at (bjones@environbcorp.com) or Robert Coffman at 405-286-9198 or his email (rcoffman@environcorp.com). We look forward to working with you on this important project.

Sincerely,

Robert E. Coffman, PG
Senior Manager and USOR Project Coordinator

Brent M. Jones, PE, BCEE
Principal and Board Certified Environmental Engineer

cc: Eric Pastor, Pastor, Behling & Wheeler, LLC
Rich Familia, Sumter Transport

Attachment – Sumter Transport Spill Prevention Plan

Attachment 1

Sumter Spill Containment Plan

Spill Containment Program
Former US Oil Recovery/MCC Recycling Site
Pasadena, TX

Sumter Transport Company
Sumter, South Carolina

July 23, 2013

Table of Contents

1. Introduction 1
1.1 Coordination With Other Documents 1
2. Emergency Contact Information 2
2.1 Site Location 2
2.2 Key Personnel 2
2.3 Emergency Contacts 2
3. Spill Containment 4
3.1 Roll-offs 4
3.2 Bioreactor 5
4. Spill Control Supplies 6
4.1 Secondary Containment Structures 6
4.2 Materials Management 6
4.3 Spill Response Supplies 6
5. Disposal 7
5.1 Liquids 7
5.2 Solids 7
6. Decontamination 8

1. Introduction

This Spill Containment Program (SCP) is prepared to address work at the Former US Oil Recovery (USOR)/MCC Recycling (MCC) Site by Sumter Transport Company (Sumter Transport).

This SCP describes the procedures to minimize the opportunity for leaks or drips from containers and tanks during material management and removal, and to respond to leaks or drips if they occur.

1.1 Coordination With Other Documents

The Sumter Transport Health and Safety Plan (HASP) provides a description of the known existing site conditions as they may affect health and safety; describes what activities will be taking place at the site as part of the project; reiterates health and safety requirements; describes levels of personal protective equipment (PPE) that may be required and the criteria for such protection; and provides contingency planning for site communication, emergency equipment, and emergency planning. In addition, the plan provides mechanisms for amending the plan and for assuring that project personnel have read the plan and have met its health and safety requirement such as medical surveillance, respirator fit testing, and training.

Sumter Transport is also referencing the *Site Health and Safety Plan, Site Monitoring and Stabilization Work Plan, Former US Oil Recovery/MCC Recycling Site, January 18, 2013 approved by US EPA (the "Site HASP").* Sumter Transport has supplemented our basic site-specific Health and Safety Plan with relevant issues found in the *Site HASP.* Both HASPs will be reviewed by Sumter Transport employees during their first on-site safety briefing.

Copies of the Sumter Transport site-specific Health and Safety Plan and the *Site HASP* will be maintained on site during planned work at USOR.

2. Emergency Contact Information

This section provides information about the site location, key Sumter Transport personnel, regulatory contacts, and Environ contacts.

2.1 Site Location

USOR is located at 400 N. Richey Street, Pasadena, TX. MCC is located at 200 N. Richey Street, with locked entrances also on S. Richey Street.

2.2 Key Personnel

The following personnel, or their designee as appropriate, are designated to carry out the stated job functions on site. One person may carry out more than one job function.

Project Supervisor and onsite H&S rep	Frank Costas
Mobile Telephone Number:	803-840-5345
Sumter Transport Office Telephone:	803-775-1002

Or

Project Supervisor and onsite H&S rep	Travis Brown
Mobile Telephone Number:	803-840-5354
Sumter Transport Office Telephone	803-775-1002

Or

Project Supervisor and onsite H&S rep	Neil Lonoza
Mobile Telephone Number:	803-840-5356
Sumter Transport Office Telephone	803-775-1002

Sumter Transport Health and Safety Officer:	John Kinsey
Sumter Transport Office Telephone:	803-775-1002 x124
Mobile Telephone Number:	803-840-5331

2.3 Emergency Contacts

The facility is not occupied, so only outside resources are available for responding to medical, fire, or spill emergencies.

In case of a medical emergency, call 911.

In case of a site emergency, fire, or spill, call 911.

In case of a reportable spill (spill in excess of Reportable Quantity), call the National Response Center at 800-424-8802, Texas SERC at 800-832-8224, and Texas Region 12 TCEQ office at 713-767-3500 (8:00 am to 5:00 pm Monday through Friday).

In case of an emergency, after regulatory/emergency calls have been made, call Environ Corporation Health and Safety Coordinator Tricia Rittaler at 713-470-6650 (office) or 832-387-1969 (mobile), Environ Principal Brent M. Jones, PE, BCEE at 713-470-6651 or 713-857-6114, or the Environ Project Manager Robert Coffman at 405-418-8828 (office) or 405-464-7539 (mobile).

For non-emergency calls only, the Pasadena Police Department telephone number is **713-477-1221**. The Pasadena Fire Department number is **713-475-5554**.

The closest hospital to the USOR/MCC site is Bayshore Medical Center, 4000 Spencer Highway, Pasadena, TX, 713-359-2000.

3. Spill Containment

Specific controls and procedures will be used to prevent the release of materials outside of secondary containment.

3.1 Roll-offs

Roll-off boxes will be moved from current locations to a secondary containment area. Prior to movement of a roll-off, the roll-off will be inspected to assess the mechanical integrity of the roll-off and condition of the door and seal. Once the mechanical integrity and door seal conditions are confirmed as suitable for moving a roll-off, the process of moving the roll-off will be initiated.

Moving Roll-offs

To prepare for moving a roll-off, spill response supplies, plastic sheeting, and drip trays will be staged adjacent to the roll-off.

Prior to lifting roll-offs onto the truck, liquid layers will be pumped from the roll-off. Absorbents and drip trays will be placed under the rear lip of the roll-off. As the roll-off is lifted by the roll-off frame truck, liquids moving to the rear of the roll-off will continue to be pumped from the roll-off. If solids start to slide towards the rear of the roll-off, the lifting will be halted to assess if the lift can continue without the risk of solids leaving the roll-off. If it appears that solids will leave the roll-off if the lift is continued, then removal of sufficient solids to continue moving the roll-off will be considered.

Hoses with cam-lock fittings will have the cam-locks secured with Velcro, wires, or duct tape to prevent loosening during handling and operation.

If materials leave the roll-off and reach the drip pans or absorbent materials, they will be managed promptly. Use of the drip pans is preferable to use of absorbents.

The roll-off will then be moved for placement on secondary containment. Prior to placement of the roll-off, the secondary containment will be confirmed clean of materials and/or stormwater. As the roll-off begins tilted as it is placed in the secondary containment, it will be observed for liquids or solids mobilized by the movement of the roll-off. Liquids or mobile solids will be removed to the extent possible, and the roll-off will be placed in the secondary containment. If liquids or solids reach the secondary containment, they will be managed promptly.

For boxes with impaired mechanical integrity, plastic sheeting, drip pans, and absorbent materials will be placed around the box, and materials will be removed

from the box without moving the box to secondary containment. Materials that reach the plastic sheeting, drip pans or absorbent materials will be promptly removed and directed to an appropriate solids or liquid management container.

Materials Management In Roll-offs

Materials in the roll-offs will be removed while the roll-off is in secondary containment. Prior to managing materials in a roll-off, the secondary containment will be confirmed clean of materials and/or stormwater.

If there is potential drip points, such as liquid line connections, drip pans will be placed beneath these points to manage drips prior to reaching secondary containment.

Materials that reach a drip pan or secondary containment during the materials management will be promptly removed.

3.2 Bioreactor

The Bioreactor structures provide containment for the solids and liquids present. Materials will be moved to containers for disposal. Containers will be loaded over secondary containment. Hoses and equipment will have drip pans or plastic under potential drip points or transit areas to catch drips.

Materials that reach a drip pan or secondary containment during the materials management will be promptly removed.

4. Spill Control Supplies

Spill controls are used to prevent the release of materials or to contain released materials.

4.1 Secondary Containment Structures

Sumter Transport will install secondary containment structures with sufficient size, volume, and durability to place roll-off containers for subsequent materials management.

4.2 Materials Management

Drip pans, trays, or buckets will be placed under areas of potential or anticipated releases or drips, both inside and outside of secondary containment. The objective of using these containers is to catch and immediately redirect materials to their intended placement.

4.3 Spill Response Supplies

Absorbent materials, plastic sheeting, shovels, and brooms will be maintained in sufficient supply to support spill response activities.

5. Disposal

In addition to the objective of not having leaks or drips, Sumter Transport will also manage leaks or drips in a manner that the resultant clean up materials will continue to be amenable to existing or planning disposal profiles.

5.1 Liquids

Liquids collected in drip pans or in secondary containment will be managed along with liquids being removed from the roll-off container. For example, if liquids are being pumped from a roll-off to a vacuum truck, liquids from a drip tray will also be pumped to the vacuum truck.

5.2 Solids

Solids collected in drip pans or in secondary containment will be swept or shoveled either back to the roll-off or placed in the same container that the roll-off solids are being placed.

6. Decontamination

During materials management activities, tools such as brooms and shovels will be cleaned to be visibly free of materials, and managed in a container, or will have plastic taped around the working surfaces to prevent incidental contamination of other tools, equipment, or site media.

At the completion of work, tools will be decontaminated or discarded as hazardous waste. Shovels will be rinsed and verified visually clean. Brooms will be discarded.

Personal protective equipment, such as coveralls and gloves, plastic sheeting, and other similar materials will be containerized for future disposal.

Attachment 2

Containerized Materials Field Screening and Removal Scope

Addendum 2 to AOC Work Plan

Containerized Materials Field Screening and Removal Scope

June 27, 2013

June 27, 2013

Mr. Robert Coffman
ENVIRON International Corporation
10333 Richmond Avenue, Suite 910
Houston, Texas 77042

Re:

Addendum 2 to AOC Work Plan, Former US Oil Recovery/ MCC Recycling Site
Containerized Materials Field Screening and Removal Scope

Dear Mr. Coffman,

Sumter Transport Company (Sumter Transport) is pleased to submit this Work Plan Addendum for field screening and removal of various containerized materials at the US Oil Recovery (USOR) Site in Pasadena, Texas.

Executive Summary

Sumter Transport is proposing to blend containerized materials at the Site for disposal as Hazardous Waste Derived Fuel (HWDF), where the materials will be beneficially used as fuel in permitted cement kilns. In addition to offsetting the use of virgin fuels by the cement kilns, this use of the HWDF offers an extremely high destruction efficiency of the materials, minimizing the potential for future liability for hazardous waste residuals.

Sumter Transport will accomplish this by screening the contents of the Bioreactor and roll-off boxes (approximately 225), as well as screening some or all of the above-ground storage tank contents to determine the suitability and recipe for blending these and other cutter materials to produce an acceptable HWDF.

Management of other materials contained in tanks, totes, and drums present at the Site is not included in this scope of work, but some of these other materials may be used to facilitate fuel blending operations for the sludges and solids included in the Bioreactor and roll-offs. During the course of field screening the various tanks throughout the Site for the possible use of the organic liquid for blending purposes, additional sludge or solids may be found to be present. If this material is subsequently included in the scope of work, the work procedures contained in this document will be utilized; however, the time frame noted for the completion of the work may be affected such that additional time will be needed to accomplish such work.

Screening Sampling and Pre-Removal Activities

Field Screening of materials will be conducted to screen the materials for suitability and to determine recipes for blending Site materials and cutter stock to produce a HWDF.

Field Screening of the materials in the storage tanks on Site will also be conducted to determine the amount of sludge present for the purpose of providing a cost estimate for the removal and disposal of such sludge in conjunction with the Bioreactor and roll-offs.

The field investigation activities are designed to characterize the physical state and fuel attributes of the material as well as determine the blending characteristics of the material to include items such as compatibility, homogeneousness, specific gravity, and moisture content. All field investigation activities will be conducted in accordance with the Sumter Transport Health and Safety Plan (HASP), submitted under a separate cover, and Site HASP dated May 30, 2012.

A sample designation is a unique number that identifies each sample under the field screening program. Immediately upon collection, each sample will be labeled with an adhesive label. Each sample label will include the sample number, date/time of collection, and technician. Each sample number will consist of an identification system that describes the container ID, type container, and sample type (i.e. liquid, sludge, or solid).

Upon completion of the field screening process the samples will be transported to the Sumter Transport laboratory located in Sumter, SC. The Sumter Transport laboratory will conduct testing in order to obtain information listed above.

As the field screening is not being used to characterize materials for waste disposal, field screening will be conducted to meet good laboratory practices.

Containers will be screened using a PID, oxygen meter, benzene detector tubes, and hydrogen sulfide meter prior to accessing the container for sampling.

Starting with some of the roll-offs previously evaluated by USOR, Texas Commission on Environmental Quality (TCEQ), and EPA, Sumter Transport will establish a baseline PID level to use as a screening level for evaluating if roll-offs or other containerized materials do not fit the range of previously evaluated materials.

For PID levels greater than 1 ppm, benzene detectors tubes will be used to determine the presence and level of benzene.

For occupational exposure control and PPE selection, including respiratory protection levels, the combination of PID, oxygen meter, benzene detector tubes, and hydrogen sulfide meter readings will be evaluated.

Once a container is determined suitable for sampling, where appropriate (aqueous liquids), pH paper will be used to confirm that the materials are not corrosive (pH $\geq$ 12.5 or $\leq$ 2.0).

Materials Management

Upon completion of the field screening, Sumter Transport will provide the necessary supervision, labor, equipment, tools, materials, and any other required items to manage the pumping or conveying of the materials contained within these containers as well as those activities required in the cleaning process of the containers. Only materials that can be disposed of as a HWDF will be managed by Sumter Transport.

Liquids

The Btu value of the liquids will determine the disposal method chosen. For those liquids containing a Btu value of 2500 Btu/pound or greater, each gallon will either be shipped directly to a cement kiln for its recycled fuel value or will be blended with solids contained within other containers on site in order to be managed as a slurry. Liquids that do not contain the minimum recycled fuel value will be managed as oily water in accordance with the procedures described for oily water management in previously submitted Work Plan Addendum 1 (dated April 20, 2012).

Sludges and Solids

Sludge and solids materials that are determined to be suitable for use as blended HWDF will either be mixed with liquids listed above, will be resuspended and shipped as slurry, or will be shipped as a solid, depending on the requirements of the cement kiln.

The sludges and solids categorized above will be managed in one of the following methods:

a) Blend in Tank/Container – Tank/container bottoms are blended in place with cutter stock, then pumped onto agitated tankers for transportation to cement kilns for use as HWDF.
b) Blend in Tanker – Tank/container bottoms are conveyed to proprietary patented agitated tankers where cutter stock is introduced for blending and transportation to a cement kiln for use as HWDF.
c) Blend in Frac/ Blend Box – Tank/container bottoms are conveyed to proprietary patented agitated equipment where cutter stock is introduced for blending. Slurry is pumped to agitated tankers for transportation to a cement kiln for use as HWDF.
d) Excavate and Load into Specialized Dry Bulk Tankers – Material is transported to a cement kiln to be blended and processed with kiln supplied cutter stock and then use as HWDF. Blending is conducted using Sumter Transport patented mixing system.

All management methods described above will be conducted in accordance with the Site HASP and Sumter Transport HASP.

Soil, Debris

If encountered in roll-off containers, soil or debris will be segregated and not included in fuel blending activities.

Damaged or Insufficient Freeboard Containers

If containers are damaged and not suitable for conducting blending operations, or if containers are too full to allow for blending of materials, some or all of the container contents will be transferring to another suitable container to conduct blending operations without risking material releases due to container failure overtopping containers.

Disposal Facilities

The Administrative Order on Consent (AOC) includes requirements for disposal facilities in paragraph 23. Off-Site Shipments.

To date, the following receiving facilities have been approved by EPA, in accordance with the AOC:

- Ash Grove Cement Facility, Foreman, Arkansas;
- Holcim Cement Facility (Geocycle), Holly Hill, South Carolina
- Buzzi Unicem Cement Facility, Cape Girardeau Missouri
- Buzzi Unicem Cement Facility, Greencastle, Indiana
- Essroc Cement Facility, Logansport, Indiana

Sumter Transport will provide the following information to ENVIRON International Corporation (ENVIRON) for submittal to the EPA On-Scene Coordinator and the appropriate state environmental official in the receiving facility state:

a) The name and location of the receiving facility
b) The type and estimated quantity of waste material to be shipped
c) The expected schedule for shipment of waste material
d) The method of transportation

Sumter Transport will also communicate to ENVIRON any major changes in shipment plans for subsequent submittal to the state environmental official of the receiving facility.

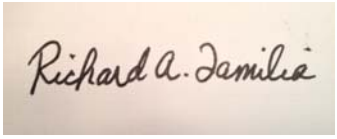
Schedule

Sampling of roll-offs and tanks is estimated to take from one to two weeks.

The materials removal schedule is based upon the capacity of the cement kilns, not on the number of employees or the number of hours worked. Based on the current work description, it is estimated that there will be 205 truckloads of material shipped. Typical project workdays consist of six days per week with four to six loads being shipped per work day. Based upon this, the project is anticipated to require approximately 47 shipping days. Mobilization and demobilization are estimated to be four days each. If the scope of work is changed as a result of the addition of sludge or solids found during the sampling of the various tanks found on the Site, this schedule will change, depending on the amount of additional shippable material.

If you have any questions concerning the proposed scope of work, please do not hesitate to contact me.

Sincerely,



Richard A. Familia
Director of Sales
(843) 693-8006

APPENDIX C

PHOTO LOG

Photo 1: 3-inch diesel pump inside temporary secondary containment structure located at south end of Bioreactor.

Photo 2: Suction hose located on south wall of Bioreactor.

	Site Photographs Bioreactor Content Removal, Decontamination, and Demolition Report 400 North Richey Street, Pasadena, Texas July 2012 – April 2014

Photo 3: Pump discharge hose located southeast of Bioreactor.

Photo 4: Pump discharge hose located southeast of Bioreactor.

Photo 5: Pump discharge hose located in Warehouse building walkway south of South Tank Farm.

Photo 6: Pump discharge hose in Truck Bay 48.

Photo 7: Fresh water pumped through liquid removal pump and hoses.

Photo 8: Temporary secondary containment berms located on north and east side of Bioreactor.

Photo 9: Cutter stock frac tank located in temporary secondary containment berm on east side of Bioreactor.

Photo 10: Bioreactor solids transfer pump located in temporary secondary containment berm on north side of Bioreactor.

Photo 11: Two Robroller mixing tanks located on north side of Bioreactor.

Photo 12: Air mover truck for Bioreactor solids removal.

Photo 13: Sumter personnel manually removing solids from east compartment of Bioreactor.

Photo 14: Sumter personnel manually removing solids from east compartment of Bioreactor.

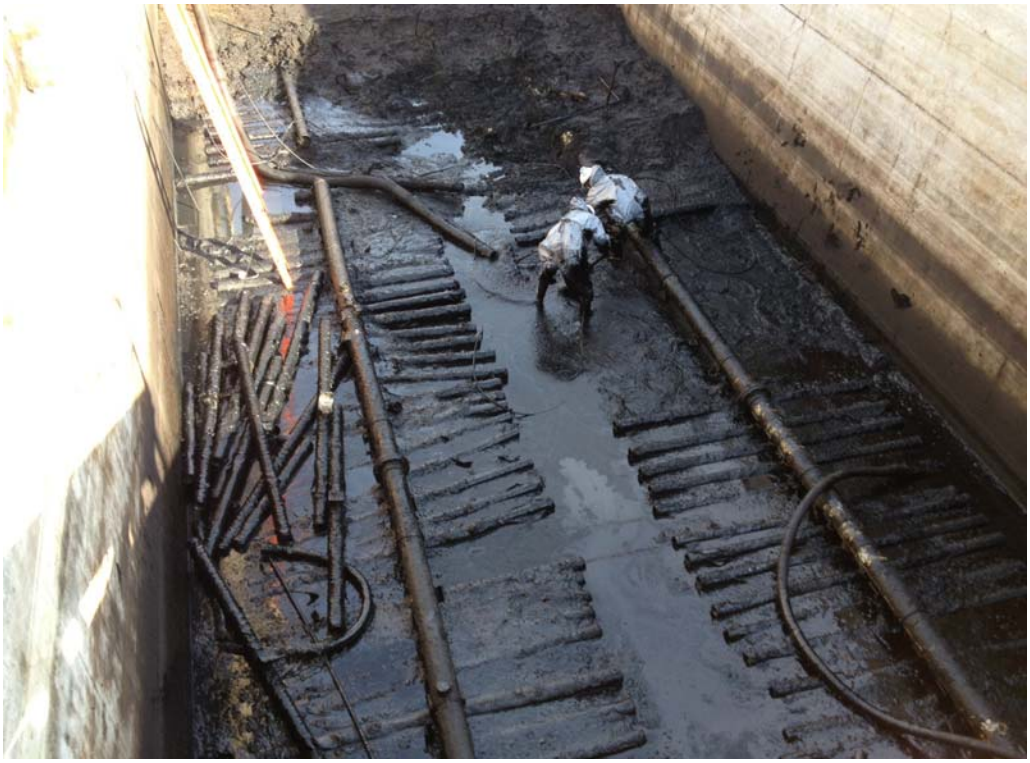


Photo 15: Sumter personnel manually removing solids from east compartment of Bioreactor.

Photo 16: Sumter personnel manually removing solids from east compartment of Bioreactor.

Photo 17: Sumter personnel entering east compartment of Bioreactor.

Photo 18: Solids being transferred from the Bioreactor into the Robroller mixing tank via the air mover truck.

Photo 19: Sumter transferring solids from Robroller mixing tank into Robroller agitated tanker truck, located in temporary secondary containment north of the Bioreactor.

Photo 20: Mini-excavator used to remove solids from Bioreactor.

Photo 21: Solids mixing hopper used to mix Bioreactor solids prior to transfer to Robroller mixing tank.

Photo 22: Crane truck mobilized to Site to lift solids removal equipment into Bioreactor.

Photo 23: Sumter lifting mini-excavator into east compartment of Bioreactor.

Photo 24: Sumter lifting solids mixing hopper into east compartment of Bioreactor.

Photo 25: Sumter removing solids from east compartment of Bioreactor with mini-excavator and solids mixing hopper.

Photo 26: Sumter placing Bioreactor solids into the solids mixing hopper with the mini-excavator.

Photo 27: View of initial solid removal in the West Bioreactor compartment.

Photo 28: View of initial solids removal in the north Bioreactor Compartment with hanging concrete hazard in the foreground.

Photo 29: Exclusion zone identified by drums and netting.

Photo 30: Sumter removing PVC piping in dumpster bags from the east Bioreactor compartment.

Photo 31: Sumter draining dumpster bag loaded with PVC debris before loading into roll-off boxes for disposal.

Photo 32: Sumter removing PVC piping from the east Bioreactor compartment and placing into adjacent roll-off box for disposal.

Photo 33: Sumter placing PVC debris into roll-off box for disposal.

Photo 34: Sumter loading PVC piping debris into roll-off box for disposal. Loading is occurring over secondary containment.

Photo 35: Sumter removing dumpster bag filled with PVC piping debris from the west Bioreactor compartment and placing the debris into roll-off box.

Photo 36: View of secondary containment at the staging area where west Bioreactor piping is being loaded into roll-off box.

Photo 37: Sumter cleaning the catwalk over the Bioreactor using 5,000 psi power washer.

Photo 38: View of Bioreactor secondary containment after cleaning.

Photo 39: View of Bioreactor secondary containment after cleaning.

Photo 40: Sumter rinsing the Bioreactor product lines prior to demolition.

Photo 41: View of west Bioreactor compartment after cleaning and rinsate sampling with hanging concrete hazard in the foreground.

Photo 42: View of east Bioreactor compartment after cleaning and rinsate sampling.

Photo 43: Effective conducting demolition activities on the east wall of the Bioreactor.

Photo 44: Effective conducting demolition activities on the east wall of the Bioreactor.

Photo 45: Effective conducting demolition activities on the west wall of the Bioreactor.

Photo 46: View of the southern portion of the Bioreactor in the midst of demolition activities.

Photo 47: View of southwest corner of the Bioreactor midway through demolition activities.

Photo 48: Effective breaking bioreactor concrete and staging material for subsequent loading into trucks for disposal.

Photo 49: Effective loading concrete into trucks for disposal to Southern Crushed Concrete.

Photo 50: View of eastern area of demolished Bioreactor site with one load of rebar in the background.

Photo 51: View of central portion of demolished Bioreactor prior to removing rebar to grade.

Photo 52: View of central portion of demolished Bioreactor facing southeast.

Photo 53: Effective staging last load of rebar for off-site transport.

APPENDIX D

BIOREACTOR LIQUID MANIFESTS

Shipping Manifest
Intergulf Corporation

№ 069326

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

Received TN

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (405) 286-9198

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ Title: Associate

(Generators Representatives) Date: 07/10/12

ENVIRON International Corporation
Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713 672 6100 Truck #: 5011682

EPA I.D. #: TXR000051508 State I.D. #: TX-87158 / AR-H-1361

Drivers Name: RONALD SINGLETARY DOT #: 1135032

Signature: _____ Date: 07-10-2012

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: _____ **Date:** 7.10.12

RECEIVED
JUL 10 2012

Shipping Manifest
Intergulf Corporation

P.O. Box 1590 • La Porte, Texas 77572

№ 069327

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ Title: Associate

(Generators Representatives) Date: 07/10/12

ENVIRON International Corporation
Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713 672 6100 Truck #:

EPA I.D. #: TXR000051508 State I.D. #: TX 87158/AR-H-1361

Drivers Name: Rodney Gonzales DOT #: 1135032

Signature: _____ Date: 7.10.12

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: _____ **Date:** 7-10-12

Shipping Manifest
Intergulf Corporation

№ 069328

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (405) 286-9198

Quantity in Gallons: 5,700

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ Title: Associate

(Generators Representatives) Date: 7/10/12

Signatory Agent ENVIRON International Corporation On Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713 672 6100 Truck #: 2359 / TH 7077

EPA I.D. #: TXR000051508 State I.D. #: TX 87158 / AR-11-1361

Drivers Name: Don Roark DOT #: 1135032

Signature: Don Roark Date: 7-10-12

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: James W. Ware

Signature: _____ **Date:** 7/10/12

Shipping Manifest
Intergulf Corporation

№ 069329

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

Received BY TM.

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

97 =

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: Associate

Signature: [signature] Date: 07/10/12

(Generators Representatives)

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713 672 6100 Truck #: S011682

EPA I.D. #: TXR000051508 State I.D. #: TX-84158/AR-H-1361

Drivers Name: RONALD SINGLEARY DOT #: 1135032

Signature: [signature] Date: 07-10-2012

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Roberto Cruz

Signature: [signature] **Date:** 7-10-12

Shipping Manifest
Intergulf Corporation

№ 069330

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 9517

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (405) 286-9198

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ Title: Associate

(Generators Representatives) Date: 07/10/12

ENVIRON International Corporation
Signatory Agent on behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713-692-6100 Truck #: 2230

EPA I.D. #: TXR000051508 State I.D. #: TX-87158/AZ-H-1361

Drivers Name: Rodney Gonzalez DOT #: 1135032

Signature: _____ Date: 7.10.12

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Eric Rodriguez

Signature: _____ Date: 07/10/12

Shipping Manifest
Intergulf Corporation

№ 069331

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 35171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (405) 286-9198

Quantity in Gallons: 5,700 gal

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ Title: Associate

(Generators Representatives) Date: 07/10/12

ENVIRON International Corporation
Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713-672-6100 Truck #: 2359 / SFT 7077

EPA I.D. #: TXR000031286 State I.D. #: TX-39115/AE-H-1361

Drivers Name: Don Reagor DOT #: 1125032

Signature: _____ Date: 7-10-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: _____

Signature: _____ **Date:** 07/10/12

Shipping Manifest
Intergulf Corporation

№ 069220

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0996

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (281) 513-0996~~

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ Title: Associate

(Generators Representatives) Date: 07/11/12

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: ~~Intergulf Corporation~~

Phone #: ~~(281) 474-4210~~ Truck #: ~~838 / 1181~~

EPA I.D. #: TXR000031286 State I.D. #: ~~39068~~

Drivers Name: Timothy Watkins DOT #: 005209058C

Signature: _____ Date: 7-11-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 111746

Facility Operators Name: Eduardo Rodriguez

Signature: _____ **Date:** 07/11/12

Shipping Manifest
Intergulf Corporation

№ 069221

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (require 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0996

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (281) 513-0996~~

Quantity in Gallons: 5,600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: Jonathan Ruyter (Generators Representatives) Title: Associate

Date: 07/11/13

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: ~~Intergulf Corporation~~

Phone #: ~~(281) 474-4210~~ Truck #: ~~838 / 1181~~

EPA I.D. #: TXR000031286 State I.D. #: ~~39068~~

Drivers Name: Timothy Watkins DOT #: 005209058C

Signature: Timothy Watkins Date: 7-11-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 111747

Facility Operators Name: Roberto Ramos

Signature: [signature] **Date:** 7/11/12

Shipping Manifest
Intergulf Corporation

No 069222

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0996

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (281) 513-0996~~

Quantity in Gallons: 5,600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ (Generators Representatives) Title: ASSOCIATE

Date: 07/11/12

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: ~~Intergulf Corporation~~

Phone #: ~~(281) 474-4210~~ Truck #: 838 / 1181

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Timothy Watkins DOT #: 005209058C

Signature: _____ Date: 7-11-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 111748

Facility Operators Name: _____

Signature: _____ **Date:** 7-11-12

Shipping Manifest
Intergulf Corporation

№ 089312

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (405) 286-9198

Quantity in Gallons: 5,800

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: ASSOCIATE

Signature: [signature] Date: 07/11/12

(Generators Representatives)

ENVIRON International Corporation
Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713 692 6100 Truck #: 2359

EPA I.D. #: TXR000051508 State I.D. #: TX 87168 / AK-11-1361

Drivers Name: David Chapman DOT #: 1135032

Signature: [signature] Date: 7-11-12

ENVIRON International Corporation
Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 7-11-12

Shipping Manifest

Intergulf Corporation

P.O. Box 1590 • La Porte, Texas 77572

Nº 069313

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 5171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: Jonathan Rogers (Generators Representatives) Title: ASSOCIATE

Date: 07/11/12

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713 672 6100 Truck #: 5011687

EPA I.D. #: TXR000051508 State I.D. #: TX-87158 / 42-H-1361

Drivers Name: RONALD SINGLETARY DOT #: 1135032

Signature: Date: 07-11-2012

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Edward Rodriguez

Signature: Edward Rodriguez **Date:** 07/12/12

Shipping Manifest

Intergulf Corporation

№ 069314

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210

Fax: (281) 474-4226

JUL 11 2012

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 5,600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ Title: ASSOCIATE

(Generators Representatives) Date: 07/11/12

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER: Bealine Serv Co Inc

Company Name: ~~EFFECTIVE~~ ENVIRONMENTAL

Phone #: ~~713 692 6100~~ Truck #: 960 87,783

EPA I.D. #: ~~TXR000056019~~ State I.D. #: ~~TX 87158 / AR-H-1361~~

Drivers Name: Winston Bell DOT #: ~~435032~~ 36867

Signature: W Bell Date: 7-11-12

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: ROGER CHAPMAN

Signature: _____ **Date:** 7-11-12

Shipping Manifest
Intergulf Corporation

№ 069315

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

RECEIVED JUL 11 2012 BY: [signature]

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 5,600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: [signature] (Generators Representatives) Title: ASSOCIATE

Date: 07/11/12

ENVIRON International Corporation
Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER: BEALINE SERVIS

Company Name: ~~EFFECTIVE ENVIRONMENTAL~~

Phone #: 713 672 6100 Truck #: 980

EPA I.D. #: ~~TXR000051508~~ TXR000000019 State I.D. #: TX-87158/AR-H-1361

Drivers Name: ALBERTO MARTINEZ DOT #: ~~435032~~ 87283

Signature: [signature] SR Date: 7 11 12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: James Wilkerson

Signature: [signature] **Date:** 7/11/12

Shipping Manifest
Intergulf Corporation

№ 069316

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

JUL 1 1 2012

BY:

Emergency Contact (405) 286-9198

Quantity in Gallons: 5,700

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ (Generators Representatives) Title: ASSOCIATE

Date: 07/11/12

ENVIRON International Corporation
Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713 672 6100 Truck #: 2359

EPA I.D. #: TXR000051508 State I.D. #: TX-87158/AE-H-1361

Drivers Name: David Chapman DOT #: 1135032

Signature: _____ Date: 7-11-12

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: _____ **Date:** 7.11.12

Shipping Manifest

Intergulf Corporation

№ 069317

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (405) 286-9198

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: [signature] (Generators Representatives) Title: ASSOCIATE

Date: 07-11-12

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713 672 6100 Truck #: 5011687

EPA I.D. #: TXR000051508 State I.D. #: TX-87158 / AR-H 1361

Drivers Name: RONALD SECRETARY DOT #: 1135032

Signature: [signature] Date: 07-11-2012

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Eduardo Rodriguez

Signature: [signature] **Date:** 07/11/12

Shipping Manifest
Intergulf Corporation

№ 069318

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210

RECEIVED
JUL 11 2012
BY:

Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ (Generators Representatives) Title: ASSOCIATE

Date: 07/11/12

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713 672 6100 Truck #: 2331

EPA I.D. #: TXR000051508 State I.D. #: TX-87158/AR-H-13601

Drivers Name: Jeff Pollard DOT #: 1135032

Signature: _____ Date: 7/11/12

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 7·11·12

Shipping Manifest
Intergulf Corporation

№ 069319

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

RECEIVED JUL 1 2012

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 5,600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: ASSOCIATE

Signature: [signature] Date: 07/11/12

(Generators Representatives)

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER: Bealine Serv Co Inc

Company Name: ~~EFFECTIVE~~ ENVIRONMENTAL

Phone #: ~~713 672 6100~~ 18005454210 Truck #: 960 87783

EPA I.D. #: ~~TXR000051508~~ TXR000066019 State I.D. #: ~~TX-87158/AR-11-1361~~

Drivers Name: Winston Bell DOT #: ~~1135032~~ 36867

Signature: [signature] Date: 7-11-12

RECEIVING FACILITY:

Name: Intergulf Corporation

Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: [signature] **Date:** 7-11-12

RECEIVED JUL 1 4 2012 BY:

Shipping Manifest
Intergulf Corporation

№ 069320

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 5,600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: Associate

Signature: [signature] Date: 07/11/12

(Generators Representatives)

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER: BEALINE SERVICES

Company Name: ~~EFFECTIVE ENVIRONMENTAL~~

Phone #: 713-672-6100 Truck #: 880 87783

EPA I.D. #: TXR0000 ~~51508~~ 6019 State I.D. #: TX ~~87158~~/~~AR H 1361~~

Drivers Name: ALBERTO MARTINEZ DOT #: ~~1135032~~ 87783

Signature: [signature] SR Date: 7-11-12

RECEIVING FACILITY:

Name: Intergulf Corporation

Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: [signature] **Date:** 7.11.12

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JUL 1 2012
BY: .....

Shipping Manifest
Intergulf Corporation

№ 069321

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 5,800

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: ASSOCIATE

Signature: [signature] Date: 07/11/12

(Generators Representatives)

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713 672 6100 Truck #: 2359

EPA I.D. #: TXR000051508 State I.D. #: TX-87158/AR-H-1361

Drivers Name: David Chapman DOT #: 1135032

Signature: [signature] Date: 7-11-12

RECEIVING FACILITY:

Name: Intergulf Corporation

Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: [signature] **Date:** 7-11-12

Shipping Manifest
Intergulf Corporation

№ 069322

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

RECEIVED JUL 17 2012

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY; PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (405) 286-9198

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ Title: Associate

(Generators Representatives) Date: 07/11/12

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713 672 6100 Truck #: 5011682

EPA I.D. #: TXR000051508 State I.D. #: TX-87158 / AR-H-1361

Drivers Name: RONALD SINGLETARY DOT #: 1135032

Signature: _____ Date: 07-11-2012

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: _____ **Date:** 7-11-12

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JUL 3 1 2012
BY: .....

Shipping Manifest
Intergulf Corporation

№ 069323

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 5,500

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: [signature] Title: ASSOCIATE

(Generators Representatives) Date: 7/11/12

ENVIRON International Corporation
Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: ~~EFFECTIVE ENVIRONMENTAL~~ / BEALINE Serv. Co Inc

Phone #: ~~713 672 6100~~ 18005454210 Truck #: 960

EPA I.D. #: ~~TXR000051508~~ TXR000066019 State I.D. #: TX-87183 / ~~AR-11-B61~~

Drivers Name: Winston Bell DOT #: 1135032

Signature: [signature] Date: 7-11-12

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: [signature] **Date:** 7·11·12

RECEIVED
JUL 11 2012
BY: .....

Shipping Manifest
Intergulf Corporation

P.O. Box 1590 • La Porte, Texas 77572
Telephone: (281) 474-4210 Fax: (281) 474-4226

№ 069324

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 5,600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ Title: Associate

(Generators Representatives) Date: 7/11/12

ENVIRON International Corporation
Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: ~~EFFECTIVE ENVIRONMENTAL~~ BENLINE SERVICES

Phone #: ~~713 672 6100~~ TXR0000 Truck #: 950, 7159 / ~~[illegible]~~

EPA I.D. #: ~~TXR000051508~~ State I.D. #: ~~TX-87158~~ / AE-H-1361

Drivers Name: ~~Alberto Montalvo SR~~ DOT #: 1135032

Signature: ~~Alberto Montalvo~~ Date: 7-11-12

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 7.11.12

Shipping Manifest
Intergulf Corporation

№ 069325

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 95171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 5,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: Associate

Signature: [signature] Date: 7/11/12

(Generators Representatives)

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 718 672 6100 Truck #: 2331

EPA I.D. #: TXR000051508 State I.D. #: TX 87158/AR-11361

Drivers Name: Jeff Pollard DOT #: 1135032

Signature: [signature] Date: 7/11/12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 7.11.12

Shipping Manifest
Intergulf Corporation

№ 069209

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0996

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (281) 513-0996

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: Associate

Signature: [signature] Date: 07/12/12

(Generators Representatives)

ENVIRON INTERNATIONAL CORPORATION

SIGNATURE [illegible] OIL RECOVERY SITE [illegible]

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 835 / 1349 670

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Darrell Simien DOT #: 005200058C

Signature: [signature] Date: 7-12-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 111753

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 7·12·12

Shipping Manifest
Intergulf Corporation

№ 069210

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 8 US OIL RECOVERY Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0999

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (281) 513-0999

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: Associate

Signature: [signature] Date: 07/12/12

(Generators Representatives)

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 835 / 1349

EPA I.D. #: TXR000031286 State I.D. #: 39068 670

Drivers Name: Darrell Simien DOT #: 005209058C

Signature: [signature] Date: 7-12-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 111755

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 7-12-12

Shipping Manifest
Intergulf Corporation

№ 069228

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0696

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (281) 513-0696

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: (Generators Representatives) Title: ENVIRONMENTAL CONSULTANT

Date: 7/12/12

ENVIRON INTERNATIONAL CORPORATION SIGNATORY AGENT ON BEHALF OF U.S. OIL RECOVERY PRP GROUP

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 635 / 1996 670

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Darrell Simien DOT #: 005209058C

Signature: Date: 7/12/12

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 111751

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 7.12.12

Shipping Manifest
Intergulf Corporation

№ 069293

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 95171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (405) 286-9198

Quantity in Gallons: 6000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: ENVIRONMENTAL CONSULTANT

Signature: [signature] Date: 7/12/12

(Generators Representatives)

ENVIRON INTERNATIONAL CORP.
SIGNATORY AGENT ON BEHALF OF U.S. OIL RECOVERY GROUP

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713 672 6100 Truck #:

EPA I.D. #: TXR000051508 State I.D. #: TX 87158/AR 11 1361

Drivers Name: Rodney Gonzalez DOT #: 1135032

Signature: Rodney Gonzalez Date: 7-12-12

Tractor 2220 Trailer 536

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 7.12.12

Shipping Manifest
Intergulf Corporation

№ 069294

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 95171

Facility Address: 400 N RICHEY, PASADENA, TX 77505

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 5,600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: ENVIRONMENTAL CONSULTANT

Signature: [signature] Date: 7/12/12

(Generators Representatives)

ENVIRON INTERNATIONAL CORP.
SIGNATORY AGENT ON BEHALF OF US OIL RECOVERY PRP GROUP

TRANSPORTER: Bealine Serv Co Inc

Company Name: ~~EFFECTIVE ENVIRONMENTAL~~

Phone #: ~~[illegible]~~ Truck #: 960, 87783

EPA I.D. #: TXR000066019 State I.D. #: ~~[illegible]~~

Drivers Name: Winston Bell DOT #: ~~[illegible]~~ 36867

Signature: [signature] Date: 7-12-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 7.12.12

Shipping Manifest
Intergulf Corporation

№ 069302

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 06171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ (Generators Representatives) Title: ASSOCIATE

Date: 07/12/12

ENVIRON International Corporation
Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713 672 6100 Truck #: 5011682 / 589

EPA I.D. #: TXR000051508 State I.D. #: TX 87158 / AR-H-1361

Drivers Name: RONALD STARRETAR Y DOT #: 1135032

Signature: _____ Date: 07-12-2012

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Edward Rodriguez

Signature: Edward Rodr **Date:** 07/13/12

Shipping Manifest
Intergulf Corporation

№ 069303

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 95171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (405) 286-9198

Quantity in Gallons: 5,600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: ASSOCIATE

Signature: [signature] Date: 07/12/12

(Generators Representatives)

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER: Boaline Service Co.

Company Name: ~~EFFECTIVE ENVIRONMENTAL~~

Phone #: ~~[illegible]~~ 281-474-7772 Truck #: 974 / 7152

EPA I.D. #: ~~[illegible]~~ TXR-[illegible] State I.D. #: ~~[illegible]~~

Drivers Name: Charles Blaughter DOT #: ~~[illegible]~~ 87783

Signature: [signature] Date: 7-12-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 7-12-12

Shipping Manifest
Intergulf Corporation

№ 069304

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (405) 286-9198

Quantity in Gallons: 5,600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: Associate

Signature: [signature] Date: 07/12/12

(Generators Representatives)

ENVIRON International Corporation
Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER: Bealine Serv Co Inc

Company Name: ~~[illegible]~~ ~~[illegible]~~

Phone #: ~~[illegible]~~ 1800 545-4210 Truck #: 960 87783

EPA I.D. #: TXR000066079 State I.D. #: ~~[illegible]~~

Drivers Name: Winston Bell DOT #: ~~[illegible]~~

Signature: [signature] Date: 7-12-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: [signature] **Date:** 7-12-12

Shipping Manifest
Intergulf Corporation

№ 069305

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 5171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (405) 286-9198

Quantity in Gallons: 6,600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: ASSOCIATE

Signature: [signature] Date: 07/12/12

(Generators Representatives)

ENVIRON/INTERNATIONAL CORPORATION
SIGNATORY AGENT ON BEHALF OF U.S. OIL RECOVERY SITE PRP GROUP

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713 672 6100 Truck #:

EPA I.D. #: TXR000051508 State I.D. #: TX 87158/AR H 861

Drivers Name: [signature] DOT #: 1135032

Signature: [signature] Date: 7-12-12

Tractor 2230 Trailer 536

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: [signature] **Date:** 7-12-12

Shipping Manifest
Intergulf Corporation

№ 069306

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 85171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (405) 286-9198

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: ASSOCIATE

Signature: [signature] Date: 7/12/12

(Generators Representatives)

ENVIRONMENTAL CORPORATION
SIGNATORY AGENT ON BEHALF OF U.S. OIL RECOVERY SITE PRP GROUP

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713 672 6100 Truck #: 501682, 587

EPA I.D. #: TXR000091508 State I.D. #: TX 87158 / AR H 1361

Drivers Name: [illegible] DOT #: 435052

Signature: [signature] Date: 7-12-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 7·12·12

Shipping Manifest

RECEIVED

Intergulf Corporation

№ 069307

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

BY: .....

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 5,600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: [signature] Title: ASSOCIATE

(Generators Representatives) Date: 7/12/12

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER: Bealine Service Co.

Company Name: ~~EFFECTIVE ENVIRONMENTAL~~

Phone #: ~~713 672 6100~~ 281-474-9972 Truck #: 974/7152

EPA I.D. #: ~~TXR000051508~~ TXR-000066019 State I.D. #: ~~TX 87158/AR-H-1361~~ 87

Drivers Name: Charles Braughton DOT #: ~~1135032~~ 247460

Signature: [signature] Date: 7-12-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**

Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # [illegible]

Facility Operators Name: Eduardo Rodriguez

Signature: Eduardo Rod **Date:** 07/12/12

RECEIVED

Shipping Manifest
Intergulf Corporation

P.O. Box 1590 • La Porte, Texas 77572

№ 069308

Telephone: (281) 474-4210 BY: ..... Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 5600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: ENVIRONMENTAL CONSULTANT

Signature: [signature] Date: 7/12/12

(Generators Representatives)

ENVIRON INTERNATIONAL CORPORATION
SIGNATORY AGENT ON BEHALF OF U.S. OIL RECOVERY PRP GROUP

TRANSPORTER: Bealine Serv Co Inc

Company Name: ~~EFFECTIVE ENVIRONMENTAL~~

Phone #: 713 672 6100 Truck #: 960, 87783

EPA I.D. #: TXR0000 66018 State I.D. #: ~~TX 87158 / AR H B61~~

Drivers Name: Winston Bell DOT #: ~~435032~~

Signature: [signature] Date: 7-12-12

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Eduardo Rodigu

Signature: Eduardo Rod **Date:** 07/12/12

RECEIVED
BY: .....

Shipping Manifest
Intergulf Corporation

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

№ 069309

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (requir 95171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ Title: ENVIRONMENTAL CONSULTANT

(Generators Representatives) Date: 7/12/12

ENVIRON International Corporation
Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713 672 6100 Truck #: 2230, 536

EPA I.D. #: TXR0000 51508 State I.D. #: TX. 87158 / AR-H-1361

Drivers Name: Rodney Gonzales DOT #: 113502

Signature: Rodney Gonzales Date: 7.12.12

Tractor 2230
Trailer 536

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Eduardo Rodriguez

Signature: Eduardo Rod **Date:** 07/12/12

Shipping Manifest
Intergulf Corporation

№ 069310

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (405) 286-9198

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: ENVIRONMENTAL CONSULTANT

Signature: [signature] Date: 7/12/12

(Generators Representatives)

ENVIRON International Corporation
Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713-672-6100 Truck #: 501165P / 589

EPA I.D. #: TXR000051508 State I.D. #: TX 87156/AS-H-1961

Drivers Name: [illegible] DOT #: 1185032

Signature: [signature] Date: 07-12-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 7-12-12

Shipping Manifest
Intergulf Corporation

№ 069311

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 86171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (405) 286-9198

Quantity in Gallons: 5,600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: [signature] Title: ENVIRONMENTAL CONSULTANT

(Generators Representatives) Date: 7/12/2012

ENVIRON International Corporation
Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER: Bealine Service Co.

Company Name: ~~EFFECTIVE ENVIRONMENTAL~~

Phone #: ~~[illegible]~~ 281-474-7772 Truck #: 974/7152

EPA I.D. #: ~~[illegible]~~ TXR-0000 66019 State I.D. #: ~~[illegible]~~ 8

Drivers Name: Charles Draughton DOT #: ~~[illegible]~~ 247460

Signature: [signature] Date: 7-12-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 7-12-12

Shipping Manifest
Intergulf Corporation

No 069408

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0906

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (281) 513-0906

Quantity in Gallons: 5900

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: (Generators Representatives) Title: ENVIRONMENTAL CONSULTANT

Date: 7/12/2012

ENVIRONMENTAL INTERNATIONAL CORPORATION

SIGNATORY AGENT ON BEHALF OF US OIL RECOVERY PRP GROUP

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 811 / 1181

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Samuel Bell DOT #: 0052000588

Signature: Samuel Bell Date: 7-12-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 111750

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 7.12.12

Shipping Manifest
Intergulf Corporation

№ 069409

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0996

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (281) 513-0996

Quantity in Gallons: [illegible]

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: [signature] Title: ENVIRONMENTAL CONSULTANT

(Generators Representatives) Date: 7/12/2012

ENVIRON INTERNATIONAL CORPORATION
SIGNATORY AGENT ON BEHALF OF U.S. OIL RECOVERY PRP GROUP

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 811 / 1181

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Samuel Ball DOT #: 0052090588C

Signature: [signature] Date: 7/12/12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 111252

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 7.12.12

Shipping Manifest
Intergulf Corporation

№ 069410

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0996

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (281) 513-0996

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: Associate

Signature: [signature] Date: 07/12/12

(Generators Representatives)

ENVIRON International Corporation
Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 811 / 1181

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Samuel Bell DOT #: 005209058C

Signature: [signature] Date: 7-12-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 111754

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 7.12.12

Shipping Manifest
Intergulf Corporation

№ 069411

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0996

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (281) 513-0996

Quantity in Gallons: 600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ (Generators Representatives) Title: ASSOCIATE

Date: 07/12/12

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 811 / 1181

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Samuel Bell DOT #: 005209058C

Signature: _____ Date: 7-12-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 111758

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 7-12-12

Shipping Manifest

Intergulf Corporation

No 069295

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 5171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 5,600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ Title: ASSOCIATE

(Generators Representatives) Date: 07/13/12

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER: Beeline Service Co.

Company Name: ~~EFFECTIVE ENVIRONMENTAL~~

Phone #: ~~713 672 0100~~ 281-474-7792 Truck #: 474/7152

EPA I.D. #: ~~TXR000051508~~ TXR000031286 State I.D. #: ~~TX 87158 / AR # 1361~~ 95

Drivers Name: Charles Brumfield DOT #: ~~113032~~ 247460

Signature: _____ Date: 7-13-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: James W. Kasen

Signature: _____ **Date:** 7-13-12

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Shipping Manifest

Intergulf Corporation

P.O. Box 1590 • La Porte, Texas 77572

Nº 069296

Telephone: (281) 474-4210 BY: .....

Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ Title: ASSOCIATE

(Generators Representatives) Date: 07/13/12

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713 672 6100 Truck #: 501682, 598

EPA I.D. #: TXR000051508 State I.D. #: TX 87158 / AR-H-1361

Drivers Name: RONALD SINGLETARY DOT #: 1135032

Signature: _____ Date: 07-13-2012

RECEIVING FACILITY:

Name: **Intergulf Corporation**

Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Edward Rodriguez

Signature: _____ **Date** 07/13/12

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JUL 13 2012
BY:

Shipping Manifest
Intergulf Corporation

P.O. Box 1590 • La Porte, Texas 77572

Nº 069297

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 5,600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: ASSOCIATE

Signature: [signature] Date: 07/13/12

(Generators Representatives)

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713 672 6100 Truck #: 87183

EPA I.D. #: TXR000056089 State I.D. #: ~~TX87158~~ / ~~AR-H-1361~~

Drivers Name: Winston Bell DOT #: ~~1135032~~

Signature: WBell Date: 7-13-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**

Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: James Wilkerson

Signature: [signature] **Date:** 7-13-12

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Shipping Manifest
Intergulf Corporation

№ 069298

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 5,600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: ASSOCIATE

Signature: [signature] (Generators Representatives) Date: 07/13/12

ENVIRON International Corporation
Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER: Bealine Service Co.

Company Name: ~~EFFECTIVE ENVIRONMENTAL~~

Phone #: ~~713 672 6100~~ 281-474-7772 Truck #: 974/7152

EPA I.D. #: ~~TXR000051508~~ TXR000066019 State I.D. #: ~~TX 87158/AR-H-1361~~

Drivers Name: Charles Branghan DOT #: ~~H35032~~ 247460

Signature: [signature] Date: 7-13-12

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Roberto Gomez

Signature: [signature] **Date:** 7/13/12

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Shipping Manifest
Intergulf Corporation

P.O. Box 1590 • La Porte, Texas 77572

Nº 069299

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ (Generators Representatives) Title: ASSOCIATE

Date: 07/13/12

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713 672 6100 Truck #: 5011682, 589

EPA I.D. #: TXR000051508 State I.D. #: TX 87158 / AR-H-1361

Drivers Name: RONALD JOHNSON JR. DOT #: 1135032

Signature: _____ Date: 07-13-2012

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Edwin Rodriguez

Signature: _____ **Date:** 07/13/12

Shipping Manifest
Intergulf Corporation

№ 069300

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

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JUL 1 2 2012
BY: .....

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 5,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: ASSOCIATE

Signature: [signature] Date: 07/13/12

(Generators Representatives)

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER: Bealine Serv Co Inc

Company Name: ~~EFFECTIVE ENVIRONMENTAL~~

Phone #: ~~713-672-6100~~ 1800545-4210 Truck #: 960 / 87763

EPA I.D. #: ~~TXR000051508~~ TXR000066019 State I.D. #: ~~TX 87158 / AR-H-1361~~

Drivers Name: Winston Bell DOT #: ~~H35032~~

Signature: [signature] Date: 7-13-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**

Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Roberto Gomez

Signature: [signature] **Date:** 7/13/12

Shipping Manifest
Intergulf Corporation

№ 069301

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

RECEIVED JUL 1 2012 BY: [signature]

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 5,600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: ASSOCIATE

Signature: [signature] (Generators Representatives) Date: 07/13/12

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: ~~EFFECTIVE ENVIRONMENTAL~~ Bealine Service Co

Phone #: ~~713 672 6100~~ 832-474-7772 Truck #: 974 / 7152

EPA I.D. #: ~~TXR000051508~~ TXR000066019 State I.D. #: ~~TX 87158 / AR 11136~~ 187

Drivers Name: Charles Brawshton DOT #: ~~H35032~~ 247460

Signature: [signature] Date: 7-13-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**

Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: James Wilkson

Signature: [signature] **Date:** 7-13-12

Shipping Manifest
Intergulf Corporation

NO 089736

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 5171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0996

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (281) 513-0996

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ Title: ASSOCIATE

(Generators Representatives) Date: 07/13/12

Environmental Intergulf Corporation
Signatory Agent for Behalf U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 870

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Darrell Simien DOT #: 005209058C

Signature: _____ Date: 7/13/12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 111760

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 7.13.12

Shipping Manifest
Intergulf Corporation

№ 069726

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0996

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (281) 513-0996~~

Quantity in Gallons: ≠ 5,600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: ≠ [signature] (Generators Representatives) Title: ≠ ASSOCIATE

Date: ≠ 07/13/12

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: ~~Intergulf Corporation~~

Phone #: ~~(281) 474-4210~~ Truck #: ~~799~~ / ~~1181~~

EPA I.D. #: TXR000031286 State I.D. #: ~~39068~~

Drivers Name: ~~Wilfrido Abreu~~ DOT #: 005209058C

Signature: [signature] Date: 07/13/12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 111885

Facility Operators Name: [signature]

Signature: [signature] **Date:** 7/13/12

Shipping Manifest
Intergulf Corporation

№ 069727

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0996

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (281) 513-0996

Quantity in Gallons: 5,600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: (Generators Representatives) Title: ASSOCIATE

Date: 07/13/12

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 799 / 1181

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Wilfido Abreu DOT #: 005209058C

Signature: Date: 07/13/12

RECEIVING FACILITY:

Name: **Intergulf Corporation**

Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 111763

Facility Operators Name: James Williams

Signature: **Date:** 7-13-12

Shipping Manifest

Intergulf Corporation

№ 069729

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0996

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (281) 513-0996~~

Quantity in Gallons: ≈ 5,600

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: ≈ Jonathan Pruitt Title: ≈ ASSOCIATE

(Generators Representatives) Date: ≈ 07/13/12

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: ~~Intergulf Corporation~~

Phone #: ~~(281) 474-4210~~ Truck #: ~~799 / 1181~~

EPA I.D. #: ~~TXR000031286~~ State I.D. #: ~~39068~~

Drivers Name: Wilfrido Abreu DOT #: 005209058C

Signature: Date: 07/13/12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 111759

Facility Operators Name: Roberto Gomez

Signature: **Date:** 7/13/12

Shipping Manifest
Intergulf Corporation

№ 069730

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 0171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0996

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (281) 513-0996

Quantity in Gallons: 5,700

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: ASSOCIATE

Signature: [signature] Date: 07/13/12

(Generators Representatives)

ENVIRON International Corporation
Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 841 / 8021

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Gesma Green DOT #: 005209058C

Signature: [signature] Date: 7-13-2012

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 111858

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 7-13-12

Shipping Manifest
Intergulf Corporation

№ 069732

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0996

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (281) 513-0996

Quantity in Gallons: 5,700

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: ASSOCIATE

Signature: [signature] Date: 07/13/12

(Generators Representatives)

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 241 / 8021

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Gesma Green DOT #: 005209058C

Signature: [signature] Date: 7-13-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 111871

Facility Operators Name: Trudy Maggard

Signature: [signature] **Date:** 7.13.12

Shipping Manifest
Intergulf Corporation

№ 069733

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 5171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0998

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (281) 513-0998

Quantity in Gallons: 5,700

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: ASSOCIATE

Signature: [signature] Date: 07/13/12

(Generators Representatives)

ENVIRON International Corporation
Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 841 / 8021

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Gesma Green DOT #: 005209058C

Signature: [signature] Date: 7-13-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 111761

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 7-13-12

Shipping Manifest

Intergulf Corporation

P.O. Box 1590 • La Porte, Texas 77572

№ 069735

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0996

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (281) 513-0996

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: Jonathan Reuter (Generators Representatives) Title: ASSOCIATE

Date: 07/13/12

ENVIRON International Signature

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 835 / 670

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Darrell Simien DOT #: 005209058C

Signature: Darrell Simien Date: 7-13-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 111758

Facility Operators Name: Roberto Gomez

Signature: Roberto Gomez **Date:** 7-13-12

Shipping Manifest

Intergulf Corporation

P.O. Box 1590 • La Porte, Texas 77572

№ 069737

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0996

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (281) 513-0996

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: Jonathan Pennington (Generators Representatives) Title: ASSOCIATE

Date: 07/13/12

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 502 / 835 / 670

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Darrell Simien DOT #: 005209058C

Signature: Date: 7-13-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 111762

Facility Operators Name: Eduardo Rodriguez

Signature: Eduardo Rodriguez **Date:** 07/13/12

Shipping Manifest
Intergulf Corporation

P.O. Box 1590 • La Porte, Texas 77572

Nº 069292

RECEIVED

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 4,100

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: ASSOCIATE

Signature: [signature] Date: 07/16/12

(Generators Representatives)

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER: Bealine Serv Co Inc

Company Name: ~~EFFECTIVE~~ ENVIRONMENTAL

Phone #: ~~713 672 6100~~ Truck #: 87783

EPA I.D. #: TXR000066608 State I.D. #: ~~TX 87158~~ / AR-H 1361

Drivers Name: Winston Bell DOT #: 1135032

Signature: [signature] Date: 7-16-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**

Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: [signature] **Date:** 7-16-12

Shipping Manifest

Intergulf Corporation

P.O. Box 1590 • La Porte, Texas 77572

№ 069758

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0996

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (281) 513-0996~~

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ Title: ASSOCIATE

(Generators Representatives) Date: 07/13/12

ENVIRON International Corporation

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: ~~Intergulf Corporation~~

Phone #: ~~(281) 474-4210~~ Truck #: 802 ~~835~~ / 670

EPA I.D. #: TXR000031286 State I.D. #: ~~39068~~

Drivers Name: Darrell Simien DOT #: 005209058C

Signature: _____ Date: 7-13-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 111764

Facility Operators Name: James Wilkerson

Signature: _____ **Date:** 7-16-12

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Shipping Manifest
Intergulf Corporation

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210

Fax: (281) 474-4226

№ 069291

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: ROBERT E COFFMAN Phone #: (405) 286-9198

Material Classification (per Material Characterization Form): Oily Water for Recycle

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

~~Emergency Contact (405) 286-9198~~

Quantity in Gallons: 3,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: [signature] Title: ASSOCIATE

(Generators Representatives) Date: 07/17/12

ENVIRON INTERNATIONAL CORPORATION
SIGNATORY AGENT ON BEHALF OF U.S. OIL RECOVERY SITE PRP GROUP

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL

Phone #: 713 672 6100 Truck #: 2359

EPA I.D. #: TXR000051508 State I.D. #: TX 87158/AR-H-1361

Drivers Name: DAVID CHADMAN Jr DOT #: 1135032

Signature: [signature] Date: 7-17-12

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: [signature] **Date:** 7-17-12

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Shipping Manifest
Intergulf Corporation

73392

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0996

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (281) 513-0996

Quantity in Gallons: 5460

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ Title: ENVIRONMENTAL CONSULTANT

(Generators Representatives) Date: 8/12/13

ENVIRON INTERNATIONAL CORP
SIGNATORY AGENT ON BEHALF
OF US OIL RECOVERY PRP GROUP

TRANSPORTER:

Company Name: Effective Environmental Inc

Phone #: (972) 329-1200 Truck #: 2426 I-T-5

EPA I.D. #: TXR000051508 State I.D. #: TX-87158/AR-H-1361

Drivers Name: David Chapman DOT #: USDOT 1135032

Signature: _____ Date: 8-12-13

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: _____ **Date:** 8/12/13

Shipping Manifest
Intergulf Corporation

77215

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: EJ Phone #: (713) 560-4338

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (713) 560-4338

Quantity in Gallons: 5800

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ Title: ENVIRONMENTAL CONSULTANT

(Generators Representatives) Date: 8/12/2013

ENVIRON INTERNATIONAL CORP.
~~US OIL RECOVE~~ SIGNATORY AGENT
ON BEHALF OF US OIL RECOVERY PRP GROUP.

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 835 / 1327

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: ~~Darrell Simien~~ DOT #: ~~0052090586~~

Signature: Darrell Simien Date: 8-12-13

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 136536

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 8-12-13

Shipping Manifest
Intergulf Corporation

77216

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: EJ Phone #: (713) 560-4338

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (713) 560-4338

Quantity in Gallons: BBLS 5800 #4594

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: X (Generators Representatives)

Title: ENVIRONMENTAL CONSULTANT

Date: 8-12-13

ENVIRON INTERNATIONAL CORP SIGNATORY ON BEHALF OF US O/L RECOVERY PRP GROUP.

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 867 / 876

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Billy Stelzer DOT #: 0052090586

Signature: Billy Stelzer Date: 8-12-13

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 136535

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 8-12-13

Shipping Manifest
Intergulf Corporation

77222

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: EJ Phone #: (713) 560-4338

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

LOAD # 2 Emergency Contact (713) 560-4338

Quantity in Gallons: 5 Bbls 6000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: X [signature] Title: X ENVIRONMENTAL CONSULTANT

(Generators Representatives) Date: 8-12-13

ENVIROS INTERNATIONAL CORP.
SIGNATORY AGENT ON BEHALF OF US OIL RECOVERY PRP GROUP

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 867 / 876

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Billy Stelzer DOT #: 0052090580

Signature: Billy Stelzer Date: 8-12-13

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 136652

Facility Operators Name: [illegible]

Signature: [signature] **Date:** 8-12-13

Shipping Manifest
Intergulf Corporation

77223

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: EJ Phone #: (713) 560-4338

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (713) 560-4338

Quantity in Gallons: 6,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ Title: ENVIRONMENTAL CONSULTANT

(Generators Representatives) Date: 8/12/13

ENVIRON INTERNATIONAL CORP.
SIGNATORY AGENT ON BEHALF
OF US OIL RECOVERY PRP GROUP.

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 835 / 1327

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: ~~Darrell Simien~~ DOT #: ~~005209058C~~

Signature: _____ Date: 8-12-13

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 136653

Facility Operators Name: ROGER CHAPMAN

Signature: _____ **Date:** 8-12-13

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Shipping Manifest
Intergulf Corporation
P.O. Box 1590 • La Porte, Texas 77572

73357
BOL#94911

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0996

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (281) 513-0996

Quantity in Gallons: 5460

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: Jonathan Pruitt (Generators Representatives) Title: ASSOCIATE

Date: 08/13/13

ENVIRON INTERNATIONAL CORPORATION
SIGNATORY AGENT ON BEHALF OF THE U.S.
OIL RECOVERY SITE PRP GROUP

TRANSPORTER:

Company Name: Effective Environmental Inc

Phone #: 979-682-1200 Truck #: 24261 TIR# T-5

EPA I.D. #: TXR0000 51508 State I.D. #: TX-87158/AR-H-1361

Drivers Name: David Chapman DOT #: 1135032

Signature: David Chapman Date: 8-13-13

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job #

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 8-13-13

Shipping Manifest
Intergulf Corporation

77224

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: EJ Phone #: (713) 560-4338

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (713) 560-4338

Quantity in Gallons: 5,900 61 inch

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ (Generators Representatives) Title: ASSOCIATE

Date: 08/13/13

ENVIRON INTERNATIONAL CORPORATION SIGNATORY AGENT ON BEHALF OF THE U.S. OIL RECOVERY SITE PRP GROUP

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 835 / 1327

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Darrell Simien DOT #: 0052090586

Signature: _____ Date: 8-13-13

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 136627

Facility Operators Name: ROGER CHAPMAN

Signature: _____ **Date:** 8-13-13

Shipping Manifest
Intergulf Corporation

77225

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: EJ Phone #: (713) 560-4338

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (713) 560-4338

Quantity in Gallons: ~~5,500~~ 5,550 5T, truck JP

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: Jonathan Pennington (Generators Representatives) Title: ASSOCIATE

Date: 08/13/13

ENVIRON INTERNATIONAL CORPORATION
SIGNATORY AGENT ON BEHALF OF THE U.S. OIL RECOVERY
SITE PRP GROUP.

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 835 / 1327

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: ~~Darrell Simien~~ DOT #: ~~0052090586~~

Signature: Darrell Simien Date: 8-13-13

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 136628

Facility Operators Name: Robert Coleman

Signature: Robert Coleman **Date:** 8-13-13

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Shipping Manifest
Intergulf Corporation
P.O. Box 1590 • La Porte, Texas 77572

77261

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0996

Material Classification (per Material Characterization Form): _____

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

_____

_____ Emergency Contact (281) 513-0996

Quantity in Gallons: 5430

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ (Generators Representatives) Title: ASSOCIATE

Date: 8/13/13

ENVIRON INTERNATIONAL CORPORATION
SIGNATORY AGENT ON BEHALF OF THE U.S. OIL
RECOVERY SITE PRP GROUP

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL INC.

Phone #: (972) 329-1200 Truck #: 24261 T/R# T-5

EPA I.D. #: TXR000051508 State I.D. #: TX-87158/AR-H-1361

Drivers Name: David Chapman DOT #: 113532

Signature: _____ Date: 8-13-13

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # _____

Facility Operators Name: Trudy Maggard

Signature: _____ **Date:** 8-13-13

Shipping Manifest
Intergulf Corporation

77376

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: EJ Phone #: (713) 560-4338

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

LOAD # 1 Emergency Contact (713) 560-4338

Quantity in Gallons: 5900

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: X Jonathan Penry (Generators Representative) Title: X ASSOCIATE

Date: 8-13-13

ENVIRON INTERNATIONAL CORPORATION SIGNATORY AGENT ON BEHALF OF THE U.S. OIL RECOVERY SITE PRP GROUP

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 867 / 876

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Billy Stelzer DOT #: 0052090580

Signature: Billy Stelzer Date: 8-13-13

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 136625

Facility Operators Name: ROGER CHAPMAN

Signature: **Date:** 8-13-13

Shipping Manifest
Intergulf Corporation

77377

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: EJ Phone #: (713) 560-4338

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

LOAD # 2 50" Emergency Contact (713) 560-4338

Quantity in Gallons: 5,550

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: (Generators Representative) Title: ASSOCIATE

Date: 8-13-13

ENVIRON INTERNATIONAL CORPORATION SIGNATORY AGENT ON BEHALF OF THE U.S. OIL RECOVERY SITE PRP GROUP

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 867 / 876

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Billy Stelzer DOT #: 0052000586

Signature: Billy Stelzer Date: 8-13-13

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 136626

Facility Operators Name: James Williams

Signature: **Date:** 8-13-13

RECEIVED
AUG - 4 2013

Shipping Manifest
Intergulf Corporation

77260

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0996

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (281) 513-0996

Quantity in Gallons: 5,460

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: Jonathan Pennington (Generators Representatives) Title: ASSOCIATE

Date: 08/14/13

ENVIRON INTERNATIONAL CORPORATION SIGNATORY AGENT ON BEHALF OF THE U.S. OIL RECOVERY SITE PRP GROUP

TRANSPORTER:

Company Name: EFFECTIVE ENVIRONMENTAL INC.

Phone #: (972) 329-1200 Truck #: 24261

EPA I.D. #: TXR000051508 State I.D. #: TX-87158/AR-11-1361

Drivers Name: DAVID CHAPMAN DOT #: TX 1135032

Signature: X David Chapman Date: 8-14-13

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job #

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 8.14.13

Shipping Manifest
Intergulf Corporation

77379

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: EJ Phone #: (713) 560-4338

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

LOAD #1 50" Emergency Contact (713) 560-4338

Quantity in Gallons: 5,550

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: X Jonathan Pennington (Generators Representatives) Title: X ASSOCIATE

Date: 8-14-13

ENVIRON INTERNATIONAL CORPORATION SIGNATORY AGENT ON BEHALF OF THE U.S. OIL RECOVERY SITE PRP GROUP

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 867 / 876

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Billy Stelzer DOT #: 005209058C

Signature: Billy Stelzer Date: 8-14-13

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 136629

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 8-14-13

Shipping Manifest
Intergulf Corporation

73390

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 **Fax: (281) 474-4226**

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Justin Phone #: (281) 513-0996

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (281) 513-0996

Quantity in Gallons: 3500

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: (Generators Representatives) Title: ASSOCIATE

Date: 08/15/13

ENVIRON INT'L CORPORATION, SIGNATORY AGENT ON BEHALF OF THE U.S. OIL RECOVERY SITE PRP GROUP

TRANSPORTER:

Company Name: Effective Environmental Inc

Phone #: 972 379 1200 Truck #: 24261 / T5

EPA I.D. #: TXR000051508 State I.D. #: TX 87158/AR-H-1361

Drivers Name: David Chapman DOT #: TX 1135032

Signature: Date: 8-15-13

RECEIVING FACILITY:

Name: **Intergulf Corporation**
Address: **10020 Bayport Blvd.**
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job #

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 8-16-13

Shipping Manifest
Intergulf Corporation

78160

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: EJ Phone #: (713) 560-4338

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (713) 560-4339

Quantity in Gallons: 5400 gals

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: [signature] (Generators Representatives) Title: Consultant

Date: 11/11/2013

ENVIRON INTERNATIONAL CORP, SIGNATORY AGENT ON BEHALF OF U.S. OIL RECOVERY PRP GROUP.

TRANSPORTER:

Company Name: Intergulf Corporation C/O ACTION RESOURCES.

Phone #: (281) 474-4210 Truck #: 23101 768

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: John Mesa DOT #: 0052090580

Signature: [signature] Date: 11/11/13

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job #

Facility Operators Name: Trudy Maggard

Signature: [signature] **Date:** 11-11-13

Shipping Manifest
Intergulf Corporation

78573

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: EJ Phone #: (713) 560-4338

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (713) 560-4338

Quantity in Gallons: 5379 GALLONS

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: (Generators Representatives) Title: CONSULTANT

Date: 11/11/13

ENVIRON INTERNATIONAL CORP. SIGNATORY AGENT ON BEHALF OF US OIL RECOVERY PRP GROUP

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 816 / 142

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Willard Nelms DOT #: 0052090586

Signature: Willard B Nelms Date: 11-11-13

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 143054

Facility Operators Name: Trudy Maggard

Signature: Trudy Maggard **Date:** 11-11-13

Shipping Manifest
Intergulf Corporation

71390

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: EJ Phone #: (713) 560-4338

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (713) 560-4338

Quantity in Gallons: 5277

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ Title: CONSULTANT

(Generators Representatives) Date: 11/11/2013

ENVIRON INTERNATIONAL CORP. SIGNATORY AGENT ON BEHALF OF US OIL RECOVERY PRP GROUP.

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 808 / 1214

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Mario Zarate DOT #: 0052080586

Signature: _____ Date: 11-11-13

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 142993

Facility Operators Name: TODD CHAPMAN

Signature: _____ **Date:** 11-11-13

71391

Shipping Manifest
Intergulf Corporation

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: EJ Phone #: (713) 560-4338

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (713) 560-4338

Quantity in Gallons: 5400

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: CONSULTANT

Signature: [signature] Date: 11/11/2013

(Generators Representatives)

ENVIRON INTERNATIONAL CORP
SIGNATORY AGENT ON BEHALF OF
U.S. OIL RECOVERY PRP GROUP

TRANSPORTER:

Company Name: Intergulf Corporation Action Resources

Phone #: (281) 474-4210 Truck #: 2310 / 748

EPA I.D. #: ~~TXR000031286~~ ALR000007237 State I.D. #: ~~39068~~ 40421

Drivers Name: John Mesa DOT #: ~~0062090556~~ 680185

Signature: [signature] Date: 11-11-13

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job #

Facility Operators Name: ROGER CHAPMAN

Signature: [signature] **Date:** 11-11-13

Shipping Manifest
Intergulf Corporation

78572

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: EJ Phone #: (713) 560-4338

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (713) 560-4338

Quantity in Gallons: 5776 Gallons

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ Title: CONSULTANT

(Generators Representatives) Date: 11/11/13

ENVIRON INTERNATIONAL CORPORATION, SIGNATORY AGENT ON BEHALF OF U.S. OIL RECOVERY PRP GROUP

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 816 / 142

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Willard Nelms / TERRYMAN TIPTON DOT #: 0052090586C

Signature: _____ Date: 11-11-13

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 143053

Facility Operators Name: Jacob Longnecker

Signature: _____ **Date:** 11-11-13

Shipping Manifest
Intergulf Corporation

71392

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: EJ Phone #: (713) 560-4338

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (713) 560-4338

Quantity in Gallons: 5277 GALLONS

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: (Generators Representatives) Title: CONSULTANT

Date: 11/11/2013

ENVIRON INTERNATIONAL CORP SIGNATORY AGENT ON BEHALF OF US OIL RECOVERY PRP GROUP

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 908 / 144

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Mario Zuniga DOT #: 0052000580

Signature: Date: 11-11-13

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job #

Facility Operators Name: Jacob Longnum

Signature: **Date:** 11-11-13

Shipping Manifest
Intergulf Corporation

71393

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: EJ Phone #: (713) 560-4338

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (713) 560-4338

Quantity in Gallons: 5400

I certify that the material being transferred on this shipment is uot a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: [signature] Title: CONSULTANT

(Generators Representatives) Date: 11/12/13

ENDIPCO INTERNATIONAL CORP SIGNATORY AGENT ON BEHALF OF US OIL RECOVERY PRP GROUP

TRANSPORTER:

Company Name: ~~Intergulf Corporation~~ Action Resources

Phone #: (281) 474-4210 Truck #: 2310 / 748

EPA I.D. #: ~~TXR000031286~~ AUR000072257 State I.D. #: ~~39068~~ 40421

Drivers Name: John Mesa DOT #: ~~0852000556~~ 680185

Signature: [signature] Date: 11/12/13

WASHOUT

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job #

Facility Operators Name: Trudy Maggard

Signature: [signature] **Date:** 11-12-13

71394

Shipping Manifest
Intergulf Corporation

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: EJ Phone #: (713) 560-4338

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (713) 560-4338

Quantity in Gallons: 4500 gal

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: CONSULTANT

Signature: [signature] Date:

(Generators Representatives)

ENVIRON INTERNATIONAL CORP. SIGNATORY AGENT ON BEHALF OF U.S. OIL RECOVERY PRP GROUP

TRANSPORTER:

WASHOUT

Company Name: ~~Intergulf Corporation~~ Ruffneck Truckin

Phone #: ~~(281) 474-4210~~ 936 641 0602 Truck #: Ruffneck 100

EPA I.D. #: ~~TXR000031286~~ TXR000081599 State I.D. #: ~~39068~~ 006579685C

Drivers Name: Kenny Knight DOT #: ~~[illegible]~~ 2156544

Signature: [signature] Date: 11/12/13

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 143315

Facility Operators Name: Trudy Maggard

Signature: [signature] **Date:** 11-12-13

Shipping Manifest
Intergulf Corporation

71395

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: EJ Phone #: (713) 560-4338

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (713) 560-4338

Quantity in Gallons: 720

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: _____ Title: CONSULTANT

(Generators Representatives) Date: 11-12-13

ENVIRON INTERNATIONAL CORP SIGNATORY AGENT ON BEHALF OF U.S. OIL RECOVERY PRP GROUP.

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 810 , 160

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: _____ DOT #: 0052000590

Signature: David Strickland Date: 11-12-13

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 143317

Facility Operators Name: Dave Castillo

Signature: _____ **Date:** 11-12-13

Shipping Manifest
Intergulf Corporation

78912

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Hiren Phone #: (817) 829-0050

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (817) 829-0050

Quantity in Gallons: 5,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: X Senior Project Scientist

Signature: X [signature] Date: X 1/8/2014

(Generators Representatives)

Golder Associates, Inc.

Signatory Agent on behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: -812 / 153

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Michael Hsu DOT #: 921807

Signature: [signature] Date: 1-8-14

RECEIVING FACILITY:

Name: Intergulf Corporation

Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 146582

Facility Operators Name: Trudy Maggard

Signature: [signature] **Date:** 1-8-14

78987

Shipping Manifest
Intergulf Corporation

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: EJ Phone #: (713) 560-4338

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (713) 560-4338

Quantity in Gallons: 5000 gals

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: Senior Project Scientist

Signature: [signature] Golder Associates, Inc. Date: 1/8/2014

(Generators Representatives)

Signatory Agent on behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: Action Resource

Phone #: 281-930-4848 Truck #: 1162 / VT-4659

EPA I.D. #: ALR000007237. State I.D. #: 39068

Drivers Name: Stenne Laughlin DOT #: 680185

Signature: [signature] Date: 1-8-14

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job #

Facility Operators Name: Trudy Maggard

Signature: [signature] **Date:** 1.8.14

Shipping Manifest
Intergulf Corporation

78909

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Hiren Phone #: (817) 829-0050

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (817) 829-0050

Quantity in Gallons: 5,000

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: X Senior Project Scientist

Signature: X [signature] Golder Associates, Inc. Date: X 1/8/2014

(Generators Representatives)

Signatory Agent on behalf of US. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: -812 / 153

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Michael Hsu DOT #: 921867

Signature: [signature] Date: 1-8-14

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 146581

Facility Operators Name: Trudy Maggard

Signature: [signature] **Date:** 1·8·14

Shipping Manifest
Intergulf Corporation

74938

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Hiren Phone #: (817) 829-0050

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

3,763.37 1/2

Emergency Contact (817) 829-0050

Quantity in Gallons: ~~2,595=27~~

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: Scott Outlaw Golder Associates, Inc. Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group (Generators Representatives)

Title: Senior Project Scientist

Date: 2/21/14

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 834 / 151

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Robbie Wallace DOT #: 921807

Signature: Date: 2-21-14

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 149486

Facility Operators Name: Daniel Cotell

Signature: Daniel Cotell Date: 2-21-14

Shipping Manifest
Intergulf Corporation

76103

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: EJ Phone #: (713) 560-4338

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (713) 560-4338

Quantity in Gallons: ~~5,000~~ DA 4221

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: [signature] (Generators Representatives) Title: Senior Project Scientist

Cobber Associates, Date: 3/24/2014

Inc. Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 824 / 152

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: ~~Derrick Askew~~ DOT #: ~~021807~~

Signature: [signature] Date: 3-24-14

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 151896

Facility Operators Name: James Williamson

Signature: [signature] Date: 3/24/14

Shipping Manifest
Intergulf Corporation

76131

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: EJ Phone #: (713) 560-4338

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (713) 560-4338

Quantity in Gallons: 4,500 gallons Approximately

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Title: Senior Project Scientist

Signature: [signature] Golder Associates, Inc Date: 3/26/14

(Generators Representatives)

Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: TCB Env. Solutions

Phone #: 281 864 7949 Truck #: 101 , 126

EPA I.D. #: TXR000080496 State I.D. #: 006 593097C

Drivers Name: Jose Ferrer DOT #: 2109 509

Signature: [signature] Date: 3-25-14

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 152062

Facility Operators Name: Daniel Castillo

Signature: [signature] **Date:** 3-25-14

APPENDIX E

CUTTER STOCK MSDS AND SHIPPING MANIFESTS

MATERIAL SAFETY DATA SHEET

1. COMPANY IDENTIFICATION & CHEMICAL PRODUCT

BODIN OIL RECOVERY, INC.
18101 W LA HWY 330
ABBEVILLE, LA 70510

INFORMATION: (337) 893-3972

PRODUCT NAME: PROCESSED USED OIL FUEL

LAST REVISION: 11/05/07
DATE PREPARED: 10/14/04

SYNONYMS: **CUTTERSTOCK, NO. 4 OIL, NO. 5 OIL, FUEL OIL USED**

PRODUCT DESCRIPTION: DISTILLATES (PETROLEUM), HEAVY CATALYTIC-CRACKED, A COMBINATION OF HYDROCARBONS PRODUCED BY THE DISTILLATION OF PRODUCTS FROM THE CATALYTIC CRACKING PROCESS.

FORMULA: AROMATIC HYDROCARBONS HAVING CARBON NUMBERS PREDOMINATELY IN THE RANGE OF C15 TO C35. THIS STREAM IS LIKELY TO CONTAIN 5% BY WT. OR MORE OF 4 TO 6 MEMBER CONDENSED RING AROMATIC HYDROCARBONS.

2. COMPOSITION & INFORMATION ON INGREDIENTS

			OCCUPATIONAL EXPOSURE LIMITS*			
			OSHA	ACGIH		
PRODUCT	**CAS NO.**	**WT%**	**PEL**	**TLV**	**OTHER**	**UNITS**
PROCESSED USED OIL FUEL	64741-61-3	100	N/A	N/A	N/A	

COMPONENT (S)

KEY:
- * = 8-HR. TWA UNLESS OTHERWISE SPECIFIED.
- ** = BENZENE SOLUBLES.
- *** = CYCLOHENXANE EXTRACTABLES.
- N/A = NOT AVAILABLE.

3. HAZARD IDENTIFICATION

NOTE: THIS PRODUCT HAS NOT BEEN TESTED BY BODIN OIL RECOVERY, INC. TO DETERMINE ITS SPECIFIC HEALTH HAZARDS. THEREFORE, THE INFORMATION PROVIDED IN THIS SECTION INCLUDES HEALTH HAZARD INFORMATION ON THE PRODUCT COMPONENTS.

CARCINOGENICITY:	**NTP**	**IARC MONOGRAPHS**	**OSHA REGULATED**
	NO	NO	NO

POTENTIAL HEALTH EFFECTS FROM OVEREXPOSURE

ACUTE EFFECTS:

EYES:	SLIGHTLY IRRITATING, HEATED PRODUCT MAY CAUSE THERMAL BURNS.
SKINS:	MAY CAUSE ALLERGIC REACTION IN SOME INDIVIDUALS. CONTACT WITH HEATED PRODUCT MAY CAUSE THERMAL BURNS.
INHALATION:	MAY BE IRRITATING TO RESPIRATORY TRACT. EXPOSURE TO HIGH CONCENTRATIONS OF DENSE OIL MIST MAY LEAD TO OIL ASPIRATED PNEUMONIA.
INGESTION:	CAN BE IRRITATING TO THE MOUTH, THROAT AND DIGESTIVE TRACT. ASPIRATION INTO THE LUNGS THROUGH VOMITING MAY CAUSE HEMORRHAGING, PULMONARY EDEMA AND CHEMICAL PNEUMONITIS.

CHRONIC EFFECTS:

PROLONGED AND REPEATED SKIN CONTACT MAY CAUSE DERMATITIS.

ADDITIONAL MEDICAL AND TOXICOLOGICAL INFORMATION:

PRODUCTS OF SIMILAR COMPOSITION HAVE BEEN POSITIVE IN MUTAGENIC TESTS AND PRODUCED SKIN CANCER IN LABORATORY ANIMALS. CONCAWE HAS ALSO NOTED THAT PROLONGED OR REPEATED INHALATION OF SIGNIFICANT CONCENTRATIONS OF MISTS OF AROMATIC PROCESS OILS MAY LEAD POSSIBLY TO CANCER OF THE RESPIRATORY TRACT AND POSSIBLY TO CANCER OF THE UPPER GASTROINTESTINAL TRACT.

4. FIRST AID MEASURES

EYE CONTACT:	FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION.
SKIN CONTACT:	COOL THE EXPOSED AREA IMMEDIATELY. REMOVE CONTAMINATED CLOTHING. IMMEDIATELY WASH AFFECTED AREAS WITH SOAP AND WATER. SEEK IMMEDIATE MEDICAL ATTENTION.
INHALATION:	REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, APPLY ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION.
INGESTION:	DO NOT INDUCE VOMITING. IF SPONTANEOUS VOMITING OCCURS HOLD THE VICTIMS HEAD LOWER THAN THEIR HIPS TO PREVENT ASPIRATION.

5. FIRE FIGHTING MEASURES

FLASH POINT: >250EF
FLAMMABLE LIMITS IN AIR, % BY VOLUME:
LOWER: N/A
UPPER: N/A
AUTOIGNITION TEMPERATURE: NONE DETERMINED
EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM, OR CARBON DIOXIDE.
NFPA RATINGS: NA

GENERAL HAZARD:

FLOWING OIL CAN BE IGNITED BY SELF-GENERATED STATIC ELECTRICITY; CONTAINERS SHOULD BE GROUNDED AND BONDED. CHECK FOR COMBUSTIBLE VAPORS PRIOR TO AND DURING WELDING OR TORCH CUTTING ON VESSELS OR TANKS.

FIRE FIGHTING INSTRUCTIONS:

USE A SMOTHERING TECHNIQUE FOR EXTINGUISHING FIRE OF THIS COMBUSTIBLE LIQUID. DO NOT USE A FORCED WATER STREAM DIRECTLY ON OIL FIRES AS THIS WILL SCATTER THIS FIRE. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS. FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.

6. ACCIDENTAL RELEASE

REMOVE SOURCES OF HEAT OR IGNITION INCLUDING INTERNAL COMBUSTION ENGINES AND POWER TOOLS. CLEAN UP SPILL, BUT DO NOT FLUSH TO SEWER OR SURFACE WATER. VENTILATE AREA. USE APPROVED RESPIRATOR WHERE OCCUPATIONAL EXPOSURE LIMITS MAY BE EXCEEDED.

7. HANDLING & STORAGE

STORE IN TIGHTLY CLOSED CONTAINERS IN A DRY COOL PLACE, AWAY FROM SOURCES OF HEAT OR IGNITION. GROUND AND BOND ALL TRANSFER AND STORAGE EQUIPMENT TO PREVENT STATIC SPARKS AND EQUIP WITH SELF-CLOSING VALVES, PRESSURE VACUUM BUNGS AND FLAME ARRESTORS. EMPTY CONTAINERS MAY CONTAIN RESIDUE (LIQUID/VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

8. EXPOSURE CONTROL, PERSONAL PROTECTION

EYE PROTECTION:	REMOVE CONTACT LENSES AND WEAR CHEMICAL SAFETY GLASSES OR GOGGLES WHERE CONTACT WITH LIQUID OR MIST MAY OCCUR.
SKIN PROTECTION:	WEAR IMPERVIOUS GLOVES WHEN CONTACT WITH SKIN MAY OCCUR. WHEN SKIN CONTACT WITH HEATED PRODUCT IS POSSIBLE, WEAR IMPERVIOUS APRON, LONG SLEEVES, BOOTS AND FACE SHIELD.
INHALATION:	USE APPROVED RESPIRATORY PROTECTIVE EQUIPMENT FOR CLEANING LARGE SPILLS OR ENTRY INTO LARGE TANKS, VESSELS OR OTHER CONFINED SPACES OR IN SITUATIONS WHERE AIRBORNE CONCENTRATIONS MAY EXCEED OCCUPATIONAL EXPOSURE LEVELS.
VENTILATION:	PROVIDE ADEQUATE GENERAL AND LOCAL VENTILATION: (1) TO MAINTAIN AIRBORNE CHEMICAL CONCENTRATIONS BELOW APPLICABLE EXPOSURE LIMITS, (2) TO PREVENT ACCUMULATION OF FLAMMABLE VAPORS AND FORMATION OF EXPLOSIVE ATMOSPHERES, AND (3) TO PREVENT FORMATION OF OXYGEN DEFICIENT ATMOSPHERES, ESPECIALLY IN CONFINED SPACES. [NOTE: THIS PRODUCT MAY RELEASE GASES OR VAPORS THAT CAN DISPLACE OXYGEN IN ENCLOSED AREAS.]

9. PHYSICAL & CHEMICAL PROPERTIES

BOILING POINT @ 760 MMHG: >500EF MELTING POINT: N/A
VAPOR PRESSURE MMHG @ 100°F: NEGLIGIBLE VAPOR DENSITY (AIR=1) :>1
% SOLUBILITY IN H2O: NEGLIGIBLE pH: N/A
SPECIFIC GRAVITY 60/60F: 0.90-1.2 EVAPORATION RATE
% VOLATILE BY VOLUME: N/A (BUTYL ACETATE=1) : SLOWER
VISCOSITY (METHOD, TEMP.):~8.8 @ 100EF ODOR: PETROLEUM ODOR
APPEARANCE: BROWN LIQUID.

10. STABILITY & REACTIVITY

STABILITY: STABLE UNDER NORMAL CONDITIONS OF USE.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.
CONDITIONS TO AVOID/INCOMPATIBILITIES: STRONG OXIDIZING AGENTS, HEAT, SPARKS, FLAME, BUILD-UP OF STATIC ELECTRICITY, HALOGENS, STRONG ACIDS AND ALKALIS.
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE, SULFUR DIOXIDE AND REACTIVE HYDROCARBONS.

11. TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE.

12. ECOLOGICAL INFORMATION

NO DATA AVAILABLE.

13. DISPOSAL INFORMATION

DISPOSE THROUGH A LICENSED WASTE DISPOSAL COMPANY. FOLLOW APPLICABLE FEDERAL, STATE AND LOCAL DISPOSAL REGULATIONS.

14. TRANSPORT INFORMATION

NO DATA AVAILABLE.

15. REGULATORY INFORMATION

EPA SARA TITLE III

EPA SARA TITLE III

SECTION 302 EPCRA EXTREMELY HAZARDOUS SUBSTANCES (EHS)

PRODUCT COMPONENT	CAS NO.	WT%	RQ, LB	TPQ, 1B
NONE				

SECTION 304 CERCLA HAZARDOUS SUBSTANCES

PRODUCT COMPONENT	CAS NO.	WT%	RQ, 1B
NONE			

SECTION 311/312 HAZARD CATEGORIZATION

ACUTE:	CHRONIC:	FIRE:	PRESSURE:	REACTIVE:
X	X	X		

SECTION 313 EPCRA TOXIC SUBSTANCES

PRODUCT COMPONENT	CAS NO.	WT%
NONE		

KEY: RQ = REPORTABLE QUANTITY
TPQ = THRESHOLD PLANNING QUANTITY OF EHS

CALIFORNIA PROPOSITION 65 WARNING

CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM MAY BE FOUND IN CRUDE OIL AND PETROLEUM PRODUCTS. ALTHOUGH IT IS POSSIBLE TO SUFFICIENTLY REFINE A CRUDE OIL OR ITS END PRODUCTS TO REMOVE THE POTENTIAL FOR CANCER, WE ARE ADVISING THAT ONE OR MORE OF THE LISTED CHEMICALS MAY BE PRESENT IN SOME DETECTABLE QUANTITIES. READ AND FOLLOW DIRECTIONS AND USE CARE WHEN HANDLING CRUDE OIL AND PETROLEUM PRODUCTS.

16. OTHER INFORMATION

THIS INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MY MOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. SUCH INFORMATION IS TO THE BEST OF THIS COMPANY'S KNOWLEDGE AND BELIEVED ACCURATE AND RELICABLE AS OF THE DATE INDICATED. HOWEVER, NO REPRESENTATION, WARRANTY OR GUARANTEE IS MADE AS TO THE ACCURACY, RELIABLITY OR COMPLETENESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY THEMSELVES AS TO THE SUITABILITY AND COMPLETENESS OF SUCH INFORMATION FOR THEIR OWN PARTICULAR USE.

3/3/14

USED OIL FUEL MANIFEST

64953

I hereby certify that the below named material 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 proper condition for transportation according to applicable regulations.

GENERATOR

TRANSPORTATION MANIFEST	Generator's US EPA ID No. LAD981059850	P.O. #	Page 1 of
Generator's Name and Physical Address: Bodin Oil Recovery, Inc., 18101 W LA Hwy 330, Abbeville, LA 70510	Mailing Address	Generator's Signature: Charles A Bod	
Generator's Phone ( ) 337-893-3972		Date: 3/3/14	Time

G 22 26 665

Description	QUANTITY	PRICE	AMOUNT
Processed Used Oil Fuel, Recyclable, Reusable Gallons / Barrels	3850		
(____%Solids, _____%Water____%Emulsion) % B.S. & W.	4%		
Gallons / Barrels B.S. & W.			
Gallons / Barrels Net Used Oil Fuel.			
Halogen Test Ø p.p.m.		TOTAL	

EMERGENCY NUMBER PERS 1-800-633-8253

TRANSPORTER

Transporter Name: Sumter Transport / Fluid

Address: 1880 Lynette Drive, Sumter, SC 29154

Driver Name (Print): X Dennick Joseph

Vehicle License No./State

US EPA ID Number or Other Vehicle Certification

I hereby certify that the above named material was picked up at the generator site listed above.

X Dennick Joseph

Driver Signature

Date 3/3/14 Time

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

Date Time

DESTINATION

Storage Facility Name and Site Address	US EPA ID Number	State Facility's ID / Facility's Phone

FACILITY

Final Designated Facility Name and Site Address	US EPA ID Number	State Facility's ID / Facility's Phone
US Oil Recovery, 400 North Richy, Pasadena, TX		

Facility Owner or Operator Certification of Receipt of Materials Covered by this Manifest

Printed, Type Name	Signature	Month	Day	Year
Neal Lonora	[signature]			

2/26/14 Trailer 143

USED OIL FUEL MANIFEST

64937

I hereby certify that the below named material 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 proper condition for transportation according to applicable regulations.

GENERATOR

TRANSPORTATION MANIFEST	Generator's US EPA ID No. LAD981059830	P.O. #	Page 1 of

Generator's Name and Physical Address: Bodin Oil Recovery, Inc., 18101 W LA Hwy 330, Abbeville, LA 70510

Mailing Address:

Generator's Phone ( ) 337-893-3972

Generator's Signature: Charles E Bodin

Date: 2/26/14 Time:

	QUANTITY	PRICE	AMOUNT
Description: Used Oil Fuel, Recyclable, Reusable — Gallons / Barrels	3726		
(____%Solids, ____%Water____%Emulsion) — % B.S. & W.	5%		
Gallons / Barrels B.S. & W.	186		
EMERGENCY NUMBER PERS 1-800-633-8253 — Gallons / Barrels Net Used Oil Fuel.	3540		
Halogen Test _____ p.p.m.		TOTAL	

TRANSPORTER

Transporter Name: PO — Triad Transport

Address: Sumter Transport, 1880 Lynette Drive, Sumter, SC 29154

Driver Name (Print): Keith Berry

Vehicle License No./State:

US EPA ID Number or Other Vehicle Certification:

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature:

Date: 2/26/14 Time:

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature: Keith Berry

Date: 2-26-14 Time: 1345

DESTINATION

FACILITY

Storage Facility Name and Site Address	US EPA ID Number	State Facility's ID / Facility's Phone

Final Designated Facility Name and Site Address	US EPA ID Number	State Facility's ID / Facility's Phone
US Oil Recovery, 400 North Richy, Pasadena, TX		

Facility Owner or Operator Certification of Receipt of Materials Covered by this Manifest

Printed, Type Name	Signature	Month Day Year

2/17/14

USED OIL FUEL MANIFEST

64919

I hereby certify that the below named material 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 proper condition for transportation according to applicable regulations.

GENERATOR

TRANSPORTATION MANIFEST	Generator's US EPA ID No.	P.O. #	Page 1 of
Generator's Name and Physical Address / Mailing Address		Generator's Signature	
Generator's Phone ( )		Date / Time	

	QUANTITY	PRICE	AMOUNT
Description Used Oil Fuel, Recyclable, Reusable Gallons / Barrels	3710		
(____%Solids, ____%Water____%Emulsion) % B.S. & W.			
Gallons / Barrels B.S. & W.			
EMERGENCY NUMBER PERS 1-800-633-8253 Gallons / Barrels Net Used Oil Fuel.			
Halogen Test _____ p.p.m.		**TOTAL**	

TRANSPORTER

Transporter Name Sumter Transport

Address 1880 Lynch Drive Sumter SC 29154

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature

Date _____ Time _____

Driver Name (Print) Bill Clayton

Vehicle License No./State _____

US EPA ID Number or Other Vehicle Certification _____

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature _____

Date _____ Time _____

DESTINATION

FACILITY

Storage Facility Name and Site Address	US EPA ID Number	State Facility's ID / Facility's Phone
Final Designated Facility Name and Site Address	US EPA ID Number	State Facility's ID / Facility's Phone

Facility Owner or Operator Certification of Receipt of Materials Covered by this Manifest

Printed, Type Name	Signature	Month Day Year

2/13/14

USED OIL FUEL MANIFEST

64912

I hereby certify that the below named material 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 proper condition for transportation according to applicable regulations.

GENERATOR

TRANSPORTATION MANIFEST	Generator's US EPA ID No.	P.O. #	Page 1 of
Generator's Name and Physical Address / Mailing Address		Generator's Signature	
Generator's Phone ( )		Date / Time	

	QUANTITY	PRICE	AMOUNT
Description Used Oil Fuel, Recyclable, Reusable Gallons / Barrels	3710		
(____%Solids, ____%Water____%Emulsion) % B.S. & W.			
Gallons / Barrels B.S. & W.			
EMERGENCY NUMBER PERS 1-800-633-8253 Gallons / Barrels Net Used Oil Fuel.			
Halogen Test _____ p.p.m.		**TOTAL**	

TRANSPORTER

Transporter Name _____ Driver Name (Print) _____

Address _____ Vehicle License No./State _____

US EPA ID Number or Other Vehicle Certification _____

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 _____ Driver Signature _____

Date _____ Time _____ Date _____ Time _____

DESTINATION

FACILITY

Storage Facility Name and Site Address	US EPA ID Number	State Facility's ID / Facility's Phone
Final Designated Facility Name and Site Address US Oil Recovery 400 North Richy Pasadena, TX	US EPA ID Number	State Facility's ID / Facility's Phone

Facility Owner or Operator Certification of Receipt of Materials Covered by this Manifest

Printed, Type Name	Signature	Month	Day	Year
Neal Lonoza		2	13	14

USED OIL FUEL MANIFEST

Tr/r #148 64878

I hereby certify that the below named material 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 proper condition for transportation according to applicable regulations.

GENERATOR

TRANSPORTATION MANIFEST	Generator's US EPA ID No. LAD981059850	P.O. #	Page 1 of
Generator's Name and Physical Address: Bodin Oil Recovery, Inc., 18101 W LA Hwy 330, Abbeville, LA 70510	Mailing Address	Generator's Signature: [signature]	
Generator's Phone ( ) 337-893-3972		Date: 1/17/14	Time

Description	QUANTITY	PRICE	AMOUNT
Processed Used Oil Fuel, Recyclable, Reusable Gallons / Barrels	[illegible]		
(____%Solids, _____%Water____%Emulsion) % B.S. & W.	146		
Gallons / Barrels B.S. & W.	607		
Gallons / Barrels Net Used Oil Fuel.	4220		
Halogen Test 200 p.p.m.		TOTAL	

EMERGENCY NUMBER PERS 1-800-633-8253

TRANSPORTER

Transporter Name: Sumter Transport

Address: 1880 Lynette Drive, Sumter, SC 29154

Driver Name (Print): [illegible]

Vehicle License No./State

US EPA ID Number or Other Vehicle Certification

I hereby certify that the above named material was picked up at the generator site listed above.

[signature]

Driver Signature

Date 1/17/14 Time

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

Date Time

DESTINATION

Storage Facility Name and Site Address	US EPA ID Number	State Facility's ID / Facility's Phone

FACILITY

Final Designated Facility Name and Site Address	US EPA ID Number	State Facility's ID / Facility's Phone
US Oil Recovery 400 North Richy Pasadena, TX		

Facility Owner or Operator Certification of Receipt of Materials Covered by this Manifest

Printed, Type Name	Signature	Month	Day	Year

USED OIL FUEL MANIFEST

64859

TRLR. 143 1-7-14

I hereby certify that the below named material 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 proper condition for transportation according to applicable regulations.

GENERATOR

TRANSPORTATION MANIFEST	Generator's US EPA ID No. LAD981059850	P.O. #	Page 1 of
Generator's Name and Physical Address: Bodin Oil Recovery, Inc., 18101 W LA Hwy 330, Abbeville, LA 70510	Mailing Address	Generator's Signature: Charles K Bodin	
Generator's Phone ( ) 337-893-3972		Date: 1/7/14	Time

254 @ 42

Description		QUANTITY	PRICE	AMOUNT
Used Oil Fuel, Recyclable, Reusable (processed)	Gallons / Barrels	3701		
(____%Solids, ____%Water____%Emulsion)	% B.S. & W.	4		
	Gallons / Barrels B.S. & W.	148		
EMERGENCY NUMBER PERS 1-800-633-8253	Gallons / Barrels Net Used Oil Fuel.	3553		
	Halogen Test 100 p.p.m.		TOTAL	

TRANSPORTER

Transporter Name: Sumter Transport

Address: 1880 Lynette Drive, Sumter, SC 29154

Driver Name (Print): Phillip Clark

Vehicle License No./State

US EPA ID Number or Other Vehicle Certification

I hereby certify that the above named material was picked up at the generator site listed above.

Phillip Clark

Driver Signature

Date 1/7/14 Time

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

Date Time

DESTINATION

Storage Facility Name and Site Address	US EPA ID Number	State Facility's ID / Facility's Phone

FACILITY

Final Designated Facility Name and Site Address	US EPA ID Number	State Facility's ID / Facility's Phone
US Oil Recovery, 400 North Richy, Pasadena, TX		

Facility Owner or Operator Certification of Receipt of Materials Covered by this Manifest

Printed, Type Name	Signature	Month	Day	Year

1/3/14

USED OIL FUEL MANIFEST

64849

I hereby certify that the below named material 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 proper condition for transportation according to applicable regulations.

GENERATOR

TRANSPORTATION MANIFEST	Generator's US EPA ID No. LAD981059850	P.O. #	Page 1 of

Generator's Name and Physical Address / Mailing Address: Bodin Oil Recovery, Inc., 18101 W LA Hwy 330, Abbeville, LA 70510

Generator's Phone ( ) 337-893-3972

Generator's Signature

Date 1/3/14 Time

G-25 of 50

Description	QUANTITY	PRICE	AMOUNT
Used Oil Fuel, Recyclable, Reusable — Gallons / Barrels	3633		
(____%Solids, _____%Water____%Emulsion) — % B.S. & W.	62		
Gallons / Barrels B.S. & W.	158		
Gallons / Barrels Net Used Oil Fuel.	2475		
Halogen Test 100 p.p.m.		TOTAL	

EMERGENCY NUMBER
PERS
1-800-633-8253

TRANSPORTER

Transporter Name: Sumter Transport

Address: 1880 Lynette Drive, Sumter, SC 29154

Driver Name (Print): Howard Bright

Vehicle License No./State

US EPA ID Number or Other Vehicle Certification

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature

Date 1/3/14 Time

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

Date Time

DESTINATION

Storage Facility Name and Site Address	US EPA ID Number	State Facility's ID / Facility's Phone

FACILITY

Final Designated Facility Name and Site Address	US EPA ID Number	State Facility's ID / Facility's Phone
US Oil Recovery, 400 North Richy, Pasadena, TX		

Facility Owner or Operator Certification of Receipt of Materials Covered by this Manifest

Printed, Type Name	Signature	Month Day Year

12/20/13

USED OIL FUEL MANIFEST

64830

I hereby certify that the below named material 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 proper condition for transportation according to applicable regulations.

GENERATOR

TRANSPORTATION MANIFEST	Generator's US EPA ID No. LAD981059850	P.O. #	Page 1 of

Generator's Name and Physical Address: Bodin Oil Recovery, Inc., 18101 W LA Hwy 330, Abbeville, LA 70510
Mailing Address:
Generator's Phone ( ) 337-893-3972
Generator's Signature
Date 12/20/13 Time

6-24-30 (60)

Description		QUANTITY	PRICE	AMOUNT
Used Oil Fuel, Recyclable, Reusable	Gallons / Barrels	3710		
(____%Solids, _____%Water____%Emulsion)	% B.S. & W.	2 %		
	Gallons / Barrels B.S. & W.	297		
EMERGENCY NUMBER PERS 1-800-633-8253	Gallons / Barrels Net Used Oil Fuel.	3413		
	Halogen Test _____ p.p.m.		TOTAL	

TRANSPORTER

Transporter Name: Sumter Transport
Address: 1880 Lynette Drive, Sumter, SC 29154

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature
Date 12/20/13 Time

Driver Name (Print) Jaime Alvarez
Vehicle License No./State
US EPA ID Number or Other Vehicle Certification

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature
Date Time

DESTINATION

Storage Facility Name and Site Address	US EPA ID Number	State Facility's ID / Facility's Phone

FACILITY

Final Designated Facility Name and Site Address	US EPA ID Number	State Facility's ID / Facility's Phone
US Oil Recovery, 400 North Richy, Pasadena, TX		

Facility Owner or Operator Certification of Receipt of Materials Covered by this Manifest

Printed, Type Name	Signature	Month Day Year

USED OIL FUEL MANIFEST

64802

I hereby certify that the below named material 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 proper condition for transportation according to applicable regulations.

GENERATOR

TRANSPORTATION MANIFEST	Generator's US EPA ID No. LAD981059850	P.O. #	Page 1 of
Generator's Name and Physical Address: Bodin Oil Recovery, Inc., 18101 W LA Hwy 330, Abbeville, LA 70510	Mailing Address	Generator's Signature: [signature]	
Generator's Phone ( ) 337-893-3972		Date	Time

6 245 C 9

Description		QUANTITY	PRICE	AMOUNT
Processed Used Oil Fuel, Recyclable, Reusable	Gallons / Barrels	3709		
(____%Solids, ____%Water____%Emulsion)	% B.S. & W.	86		
	Gallons / Barrels B.S. & W.	297		
EMERGENCY NUMBER PERS 1-800-633-8253	Gallons / Barrels Net Used Oil Fuel.	3412		
	Halogen Test 100 p.p.m.		TOTAL	

TRANSPORTER

Transporter Name: Sumter Transport

Address: 1880 Lynette Drive, Sumter, SC 29154

Driver Name (Print): [illegible]

Vehicle License No./State

US EPA ID Number or Other Vehicle Certification

I hereby certify that the above named material was picked up at the generator site listed above.

[signature]

Driver Signature

Date 10/5/13 Time

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

Date Time

DESTINATION

Storage Facility Name and Site Address	US EPA ID Number	State Facility's ID / Facility's Phone

FACILITY

Final Designated Facility Name and Site Address	US EPA ID Number	State Facility's ID / Facility's Phone
US Oil Recovery 400 North Richy Pasadena, TX		

Facility Owner or Operator Certification of Receipt of Materials Covered by this Manifest

Printed, Type Name	Signature	Month	Day	Year

APPENDIX F

BIOREACTOR SOLIDS MANIFESTS

1059829

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number TXR000051540	2. Page 1 of 1	3. Emergency Response Phone 803.840.5304	4. Manifest Tracking Number 006531999 FLE

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Attn:
Generator's Phone: 803.840.5304

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: ~~Sumter Transport Company~~ Sprint 803.775.1002 — U.S. EPA ID Number: ~~[illegible]~~ TXR000080316

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Lone Star Industries
2524 South Spring Street
Cape Girardeau, MO 63701
Facility's Phone: (573) 335-8878
U.S. EPA ID Number: MOD081127319

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s (petroleum oil, benzene), 3, III, RQ	1	TT	3884	G	D001 D018 D028 D035 D040		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
CG-2151 ERG# 128
Texas State Waste Code: FVGP603H

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Loriora — Signature: [signature] — Month 12 Day 12 Year 13

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Ricardo [illegible] — Signature: [signature] — Month 12 Day 12 Year 13
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H050 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Josh Foster — Signature: [signature] — Month 12 Day 12 Year 13

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

DUMMY OIL

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone	4. Manifest Tracking Number
	TXR000051540		803.840.5304	006581923 FLE

5. Generator's Name and Mailing Address

US Oil Recovery
400 North Richey Street
Pasadena, TX 77506

Attn:

Generator's Phone: 803.840.5304

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name

~~Sumter Transport Company~~ Sprint 803.775.1002

U.S. EPA ID Number TXR000080316 ~~[illegible]~~

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Ash Grove Cement Company
Hwy 108 West
Foreman, AR 71836

Facility's Phone: 870.542.3080

U.S. EPA ID Number ARD981512270

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	2486 ~~3[illegible]~~ TA	G	D001	D018	D028
						D035	D040	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information

ERG# 128 Texas State Waste Code: FVGP603H

AG# 1829

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonora | Signature: [signature] | Month 12 | Day 13 | Year 13

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Pete Cerrillo | Signature: [signature] | Month 12 | Day 13 | Year 13

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

18. Discrepancy

18a. Discrepancy Indication Space ☑ Quantity Resolved TA ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H050			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: ~~Pete Cerrillo~~ Joey Brown | Signature: ~~Pete Cerrillo~~ [signature] | Month 12 | Day 14 | Year 13

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

DUMMY OIL

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
TXR000051540	1	803.840.5304	006581924 FLE

GENERATOR

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Generator's Phone: 803.840.5304 Attn:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
~~Silver Transport Company~~ Triad 803.775.1002

U.S. EPA ID Number OKD981588791

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Ash Grove Cement Company
Hwy 108 West
Foreman, AR 71836
Facility's Phone: 870.542.3080

U.S. EPA ID Number ARD981512270

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4200	G	D001 D018 D028 D035 D040
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
ERG# 128 Texas State Waste Code: FVGP603H
AG1829

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonza Signature: [signature] Month: 12 Day: 16 Year: 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Howard Boyett Signature: [signature] Month: 12 Day: 16 Year: 13

Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H050			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Pam Eggard Signature: [signature] Month: 12 Day: 17 Year: 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

DUMMY OIL

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXR000051540	1	803.840.5304	006581925 FLE

5. Generator's Name and Mailing Address

US Oil Recovery
400 North Richey Street
Pasadena, TX 77506

Generator's Phone: 803.840.5304

Attn:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: ~~Sumter Transport Company~~ Triad 803.775.1002

U.S. EPA ID Number: ~~SCD987584778~~ OKD981588791

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Ash Grove Cement Company
Hwy 108 West
Foreman, AR 71836

Facility's Phone: 870.542.3080

U.S. EPA ID Number: ARD981512270

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4906	G	D001	D018	D028
						D035	D040	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information

ERG# 128 Texas State Waste Code: FVGP603H

AG# 1829

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonora | Signature: [signature] | Month 12 | Day 18 | Year 13

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Howard Boyett | Signature: [signature] Boyett | Month 12 | Day 18 | Year 13

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☑ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number: 005770665FLE

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H050			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Doug Eynaud | Signature: [signature] | Month 12 | Day 19 | Year 13

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: TXR000051540
2. Page 1 of: 1
3. Emergency Response Phone: 803.840.5304
4. Manifest Tracking Number: 006582000 FLE

GENERATOR

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Attn:
Generator's Phone: 803.840.5304

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Triad 803.775.1002
U.S. EPA ID Number: ORD981588791

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Lone Star Industries
2524 South Sprigg Street
Cape Girardeau, MO 63701
Facility's Phone: (573) 335-8878
U.S. EPA ID Number: MOD981127319

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4849	G	D001 D018 D028 D035 D040
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
CG-2151 ERG# 128
Texas State Waste Code: FVGP603H
Reference Manifest #: 005770665 FLE

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonoza
Signature:
Month: 12 Day: 20 Year: 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Howard Boyett
Signature:
Month: 12 Day: 20 Year: 13
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
UNLOADED 4201 GAL
VISUALLY EMPTY
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H050			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Cody Stovall
Signature:
Month: 12 Day: 21 Year: 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
TXR000051540	1	803.840.5304	006582001 FLE

GENERATOR

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Attn:
Generator's Phone: 803.840.5304

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
~~Scarab Transport Company~~ Triad 803.775.1002

U.S. EPA ID Number
~~[illegible]~~ 0219815887SL

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Lone Star Materials
2524 South Spring Street
Cape Girardeau, MO 63701
Facility's Phone: (573) 335-8878

U.S. EPA ID Number
MOD981127319

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1863, Waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4118	G	D001	D018	D028
						D035	D040	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
CG-2161 ERG 128 Texas State Waste Code: FVGP6034

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonza
Signature:
Month: 12 Day: 20 Year: 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Phillip Clark
Signature:
Month: 12 Day: 20 Year: 13

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H050			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Cody Stovall
Signature:
Month: 12 Day: 21 Year: 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number TXR000051540	2. Page 1 of 1	3. Emergency Response Phone 803.840.5304	4. Manifest Tracking Number 006582002 FLE

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Attn:
Generator's Phone: 803.840.5304

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
Sumter Transport Company Sprint 803.775.1002
U.S. EPA ID Number SCD087584779 TXR000080316

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Lone Star Industries
2524 South Sprigg Street
Cape Girardeau, MO 63701
Facility's Phone: (573) 335-8876
U.S. EPA ID Number MOD981127319

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	3128	G	D001 D035	D018 D040	D028
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
CG-2151 ENG#128 Texas State Waste Code: FVGP603H

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonoza
Signature: [signature]
Month 12 Day 22 Year 13

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [illegible]
Signature: [signature]
Month 12 Day 22 Year 13
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
UNLOADED 1993 GAL
[illegible]
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H050 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Mike [illegible]
Signature: [signature]
Month 12 Day 23 Year 13

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

DUPLICATE

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number TXR000051640	2. Page 1 of 1	3. Emergency Response Phone 800.840.8304	4. Manifest Tracking Number 006582003 FLE

GENERATOR

5. Generator's Name and Mailing Address: US Oil Recovery, 400 North Richey Street, Pasadena, TX 77506 Attn:
Generator's Phone: 800.840.8304
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: [illegible] Trial 903.775.1002
U.S. EPA ID Number: [illegible] OKD981588791

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: Lone Star Industries, 2024 South Spring Street, Cape Girardeau, MO 63701
Facility's Phone: (573) 335-6878
U.S. EPA ID Number: MOD981127319

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	3947	G	D001	D018	D028
						D035	D040	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
CG-2151 ERG 128 Texas State Waste Code: FVGP603H

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonoza Signature: [signature] Month: 01 Day: 02 Year: 14

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [illegible] Signature: [signature] Month: 01 Day: 02 Year: 14
Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H050			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: [illegible] Signature: [signature] Month: 01 Day: 03 Year: 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number TXR000051640	2. Page 1 of 1	3. Emergency Response Phone 803.840.6304	4. Manifest Tracking Number 006582004 FLE

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Attn:
Generator's Phone: 803.840.6304

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
Sunset Transport Company Sprint 803.775.1002
U.S. EPA ID Number
[illegible] TXR000080316

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Lone Star Industries
2524 South Spring Street
Cape Girardeau, MO 63701
Facility's Phone: (573) 335-6878
U.S. EPA ID Number
MOD981127318

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene) , S , III, RQ	1	TT	3384	B G	D001 D035	D018 D040	D028
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
CG-2151 EAS 120
Texas State Waste Code: FVGP603H

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonoza | Signature: [signature] | Month 01 Day 3 Year 14

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Pete Cavillo | Signature: [signature] | Month 01 Day 3 Year 14
Transporter 2 Printed/Typed Name | Signature | Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H050 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Cod Stovall | Signature: [signature] | Month 1 Day 4 Year 14

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

QUANTITY

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number TXR000051540	2. Page 1 of 1	3. Emergency Response Phone 803.840.5304	4. Manifest Tracking Number 006582005 FLE

5. Generator's Name and Mailing Address
[illegible] Oil Recovery
[illegible] North Richey Street
Pasadena, TX 77506
Attn:
Generator's Phone: 803.840.5304

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
[illegible] Triad 803.775.1002
U.S. EPA ID Number [illegible]

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
[illegible]
2524 South Spring Street
Cape Girardeau, MO 63701
Facility's Phone: (573) 335-6878
U.S. EPA ID Number MOD981127319

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. [illegible], waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, [illegible], RQ	1	TT	4876	G	D001 D035	D018 D040	D028
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
CC-2151 [illegible]
Texas State Waste Code: FVGP603H

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonoza
Signature: [signature]
Month 1 Day 08 Year 14

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Howard Bogett
Signature: [signature]
Month 1 Day 08 Year 14
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Unloaded 3532 G
visually empty
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
H050 | 2. | 3. | 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Mike Myers
Signature: [signature]
Month 01 Day 08 Year 14

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: TXR000051640
2. Page 1 of: 1
3. Emergency Response Phone: [illegible]
4. Manifest Tracking Number: 006582006 FLE

5. Generator's Name and Mailing Address: US Oil Recovery, 409 North Fishery Street, Pasadena, TX 77503, Attn:
Generator's Phone: [illegible]
Generator's Site Address (if different than mailing address):

6. Transporter 1 Company Name: Triad [illegible]
U.S. EPA ID Number: [illegible]

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Lone Star Industries, 3524 South Spring Street, Cape Girardeau, MO 63701
Facility's Phone: (573) 335-3378
U.S. EPA ID Number: MOD981127319

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4647	G	D001	D018	D026
						D028	D040	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: Texas State Waste Code: FV GP 60 3H

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonoza — Signature: [signature] — Month: 1 Day: 9 Year: 14

INTL
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER
17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Phillip Clark — Signature: [signature] — Month: 1 Day: 9 Year: 14
Transporter 2 Printed/Typed Name: — Signature: — Month: Day: Year:

DESIGNATED FACILITY
18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Unloaded 41076 G visually empty
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H050 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: M. Lee Miers — Signature: [signature] — Month: 01 Day: 10 Year: 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number TXR000051540	2. Page 1 of 1	3. Emergency Response Phone 803.840.6304	4. Manifest Tracking Number 006582007 FLE

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77503
Attn:
Generator's Phone: 803.840.6304

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Santus Transport Company Triad 803.775.1002 — U.S. EPA ID Number: [illegible] OKD981588791

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Lone Star Industries
2524 South Spring Street
Cape Girardeau, MO 63701
Facility's Phone: (573) 335-8878
U.S. EPA ID Number: MOD981127319

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4876	G	D001 D035	D018 D040	D028
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
CG-2161 ERG# 128 Texas State Waste Code: FVGP603H

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonoza — Signature: [signature] — Month 1 Day 14 Year 14

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Derrick Joseph — Signature: Derrick Joseph — Month 1 Day 14 Year 14
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H050 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: MICHAEL WADE — Signature: [signature] — Month 1 Day 16 Year 14

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

49 AV

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number TXR000051540	2. Page 1 of 1	3. Emergency Response Phone [illegible]	4. Manifest Tracking Number 006582008 FLE

5. Generator's Name and Mailing Address
US Oil Pipeline
400 North Richey Street
Pasadena, TX 77506
Attn:
Generator's Phone: 800.640.5604

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: [illegible] Triad 800.775.1002
U.S. EPA ID Number: [illegible] OKD981588791

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Lone Star Industries
2824 South Spring Street
Cape Girardeau, MO 63701
Facility's Phone: (573) 335-8878
U.S. EPA ID Number: MOD981127319

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4906	P G	D001 D039	D018 D040	D028
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
CG-2151 ERG#128 Texas State Waste Code: FUGP603H

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonero | Signature: [signature] | Month 1 | Day 16 | Year 14

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of Entry/Exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Phil Clack | Signature: Phil Clack | Month 1 | Day 16 | Year 14
Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H050			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Cheryl Chittenden | Signature: [signature] | Month 1 | Day 18 | Year 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number TXR000051640	2. Page 1 of 1	3. Emergency Response Phone 803.840.6304	4. Manifest Tracking Number 006532009 FLE

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77608
Attn:
Generator's Phone: 803.840.6304

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
~~Sentry Transport Company~~ Triad 803.776.1002
U.S. EPA ID Number ~~[illegible]~~ OKA981588791

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Lone Star Industries
2524 South Spring Street
Cape Girardeau, MO 63701
Facility's Phone: (573) 335-6878
U.S. EPA ID Number MOD981127319

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4876	G	D001 D018 D026 D035 D040		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
CG-2161 ERG# 128 Texas State Waste Code: FVGP603H

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonoza | Signature: [signature] | Month 1 Day 19 Year 14

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Stephen Fortner | Signature: [signature] | Month 1 Day 19 Year 14
Transporter 2 Printed/Typed Name | Signature | Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
unloaded 4271G
visually empty
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H050 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a
Printed/Typed Name: Dave T | Signature: [signature] | Month Day Year Jan 20 2014

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 6700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number TXR000051640	2. Page 1 of 1	3. Emergency Response Phone 803.640.5304	4. Manifest Tracking Number 006582010 FLE

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Attn:
Generator's Phone: 803.640.5304

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
Sunter Transport Company Triad 803.775.1002
U.S. EPA ID Number [illegible] 05098158879 1

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Lone Star Industries
2624 South Spring Street
Cape Girardeau, MO 63701
Facility's Phone: (573) 335-6878
U.S. EPA ID Number MOD081127319

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4876	P G	D001 D035	D018 D040	D028
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
CG-2151 ERG# 128 Texas State Waste Code: FUGP603H

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonora | Signature: [signature] | Month 1 Day 22 Year 14

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Stephen Fortner | Signature: [signature] | Month 1 Day 22 Year 14
Transporter 2 Printed/Typed Name | Signature | Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
unloaded 4121G
visually empty
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H050 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a
Printed/Typed Name: Dan Weeks | Signature: [signature] | Month 1 Day 23 Year 14

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved, OMB No. 2050-0039

DUMMY OIL

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXR000051540	1	803.840.5304	006581926 FLE

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Attn:
Generator's Phone: 803.840.5304

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
~~Sumter Transport Company~~ Triad 803.775.1002
U.S. EPA ID Number OKD981588791 ~~[illegible]~~

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Ash Grove Cement Company
Hwy 108 West
Foreman, AR 71836
Facility's Phone: 870.542.3080
U.S. EPA ID Number ARD981512270

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	~~[illegible]~~ 4734	G	D001 D035	D018 D040	D028
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
ERG# 128
AG 1829

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonora
Signature: [signature]
Month 1 Day 26 Year 14

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Stephen Fortner
Signature: Stephen Fortner
Month 1 Day 26 Year 14
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H050 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Anthy C Anderson
Signature: [signature]
Month 01 Day 27 Year 14

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

TRAILER # AV49

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved, OMB No. 2050-0039

DUMMY OIL

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number TXR000051640	2. Page 1 of 1	3. Emergency Response Phone 803.940.5304	4. Manifest Tracking Number 006582011 FLE

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Attn:
Generator's Phone: 803.940.5304

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
Surplus Transport Company Triad 803.775.1002
U.S. EPA ID Number [illegible] 060981588791

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Lone Star Industries
2524 South Spring Street
Cape Girardeau, MO 63701
Facility's Phone: (573) 335-8878
U.S. EPA ID Number MOD981127319

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	[illegible] 4439	G	D001	D018	D028
						D035	D040	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
CG-2161 [illegible] 126 Texas State Waste Code: FVGP603H

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonora Signature: [signature] Month 1 Day 30 Year 14

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Derrick Joseph Signature: [signature] Month 1 Day 30 Year 14
Transporter 2 Printed/Typed Name: Signature: Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. no50 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Dave T Signature: [signature] Month Jan Day 30 Year 2014

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

1074229

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved OMB No. 2050-0039

DUMMY OIL

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXR000051540	1	803.840.5304	006581927 FLE

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Attn:
Generator's Phone: 803.840.5304
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
~~Surface Transport Company~~ Triad 803.775.1002
U.S. EPA ID Number 0 KD981588791 ~~[illegible]~~

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Ash Grove Cement Company
Hwy 108 West
Foreman, AR 71836
Facility's Phone: 870.542.3080
U.S. EPA ID Number ARD981512270

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4734	G	D001	D018	D028
						D035	D040	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
ERG# 128 Texas State Waste Code: FVGP6031H
AG 1829

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lanora
Signature: [signature]
Month Day Year: ~~1 30~~ 2 5 14 NL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Clopton, Jr.
Signature: Bill Clopton Jr.
Month Day Year: ~~1 30~~ 14 NL
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year: 2 5

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☑ Partial Rejection ☐ Full Rejection
Manifest Reference Number: 005770719 FLE

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H050			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Dewayne Polit E
Signature: Dewayne Polit
Month Day Year: 2 6 14

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

1074257

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

DUMMY OIL

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXR000051540	1	800.840.5304	006581928 FLE

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Attn:
Generator's Phone: 800.840.5304

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Sumter Transport Company — 800.775.1002 — U.S. EPA ID Number: SCD987584778

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Ash Grove Cement Company
Hwy 108 West
Foreman, AR 71836
Facility's Phone: 870.542.3000 — U.S. EPA ID Number: ARD091512270

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4734	G	D001	D018	D028
						D035	D040	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
ERG# 128 Texas State Waste Code: FVGP603H
Reference Manifest #: 005770719 FLE

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonora — Signature — Month: 12 Day: 7 Year: 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Clayton, Jr. — Signature — Month: 12 Day: 7 Year: 14
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H050 (TR) 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Joey D Brewer — Signature — Month: 12 Day: 8 Year: 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

1074317

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050 0039

DUMMY OIL

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXR000051540	1	800.840.5304	006581929 FLE

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Attn:
Generator's Phone: 800.840.5304

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Slatter Transport Company Triad 800.775.1002
U.S. EPA ID Number: OKD 181588791

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Ash Grove Cement Company
Hwy 108 West
Foreman, AR 71836
Facility's Phone: 870.542.8888 ext 3281
U.S. EPA ID Number: ARD981512270

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4734	G	D001	D018	D028
						D035	D040	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
ERG# 128 Texas State Waste Code: FVGP603H
AG-1829

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true

Generator's/Offeror's Printed/Typed Name: Neal Lonoza
Signature:
Month: 2 Day: 13 Year: 14

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Chester Jones
Signature:
Month: 2 Day: 13 Year: 14
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☑ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number: 005770753 FLE
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H050 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Matt Ayler
Signature:
Month: 2 Day: 14 Year: 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

1074337

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

DUMMY OIL

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXR000051540	1	803.840.5304	006581930 FLE

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Attn:
Generator's Phone: 803.840.5304

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: ~~[illegible]~~ Triad 803.775.1002 — U.S. EPA ID Number: OKD981588791 ~~[illegible]~~

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Ash Grove Cement Company
Hwy 108 West
Foreman, AR 71836 MA
Facility's Phone: ~~870.542.9898~~ 3081 — U.S. EPA ID Number: ARD981512270

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4792	G	D001 D035	D018 D040	D028
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
AG 1829 ERG# 128 Texas State Waste Code: FVGP603H

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonoza — Signature: [signature] — Month 2 Day 16 Year 14

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Phillip Clark — Signature: Phillip Clark — Month 2 Day 16 Year 14
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H050 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Matt Aglar — Signature: [signature] — Month 2 Day 17 Year 14

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

1074338 TAM 1431 - TAL 49AV

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXR000051540	1	800.840.5304	006581932 FLE

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Attn:
Generator's Phone: 803.840.5304

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: ~~Sumter Transport Company~~ Triad 803.775.1002
U.S. EPA ID Number: OKD981588791 ~~SCD987584728~~

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Ash Grove Cement Company
Hwy 108 West
Foreman, AR 71836
Facility's Phone: ~~870.542.3080~~
U.S. EPA ID Number: ARD981512270

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4906	G	D001	D018	D028
						D035	D040	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
ERG# 128 Texas State Waste Code: FVGP603H

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true

Generator's/Offeror's Printed/Typed Name: Neal Lonoza | Signature | Month: 2 | Day: 18 | Year: 14

INTL
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER
17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: BILLY RANEY | Signature | Month: 2 | Day: 18 | Year: 14
Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY
18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☑ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number: 00570767 FLE
18b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) | Month | Day | Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H050 | 2. | 3. | 4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Anthy C Anderson | Signature | Month: 02 | Day: 19 | Year: 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

1014339

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DUMMY OIL

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
TXR000051540	1	800.840.5304	006581933 FLE

GENERATOR

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Attn:
Generator's Phone: 800.840.5304

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
~~Gunter Transport Company~~ Triad 800.775.1002

U.S. EPA ID Number ~~ORD981588791~~ ~~800.337.7604 TX~~

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Ash Grove Cement Company
Hwy 108 West
Foreman, AR 71836
Facility's Phone: 870.542.3000

U.S. EPA ID Number ARD981512270

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No	10. Containers Type	11. Total Quantity	12. Unit Wt/Vol	13. Waste Codes		
X	1 UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4906	G	D001	D018	D028
						D035	D040	
	2							
	3							
	4							

14. Special Handling Instructions and Additional Information
ACT#1829 ERG# 128 Texas State Waste Code: FVGP603H
Partial Rejection, Reference Manifest # 005770767 FLE

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonoza Signature: [signature] Month: 2 Day: 20 Year: 14

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: BILLY RANEY Signature: [signature] Month: 2 Day: 20 Year: 14
Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☑ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number: 005770776 FLE

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H050 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Doug Eymard Signature: [signature] Month: 2 Day: 20 Year: 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Triad - 1428 1074487

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number TXR000051540	2. Page 1 of 1	3. Emergency Response Phone 609.840.5304	4. Manifest Tracking Number 006581934 FLE

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Generator's Phone: 609.840.5304
Attn:

Generator's Site Address (if different than mailing address)
Prescott Arkansas

6. Transporter 1 Company Name
Bunker Transport Company Triad 603.775.1002
U.S. EPA ID Number OKD981588791

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Ash Grove Cement Company
Hwy 108 West
Foreman, AR 71836
Facility's Phone: 870.542.3080
U.S. EPA ID Number ARD981512270

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4906	G	D001 D018 D028	D039 D040	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
AG. 1829 ERG 128 Texas State Waste Code: FVGP603H
Rejected Heel Reference Manifest: 005770776 FLE

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonoza Signature: [signature] Month 2 Day 24 Year 14

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bill Clopton, Jr. Signature: Bill Clopton Jr. Month 2 Day 24 Year 14
Transporter 2 Printed/Typed Name: Signature: Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☑ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number: 005770790 FLE

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H050 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Joey Brewer Signature: [signature] Month 2 Day 24 Year 14

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 8-05) Previous editions are obsolete. TRANSPORTER'S COPY

1074532

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXR000061540	1	800.240.5304	006581935 FLE

GENERATOR

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Attn:
Generator's Phone: 800 240 5304

Generator's Site Address (if different than mailing address)

TRANSPORTER

6. Transporter 1 Company Name: Sunrise Transport Company Triad 903.775.1002
U.S. EPA ID Number: OKD981588791

7. Transporter 2 Company Name
U.S. EPA ID Number

DESIGNATED FACILITY

8. Designated Facility Name and Site Address
Ash Grove Cement Company
Hwy 100 West
Foreman, AR 71836
Facility's Phone: 870.542.3080
U.S. EPA ID Number: ARD981512270

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4849	P G	D001 D035	D018 D040	D028
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
ERG# 128 Texas State Waste Code: FVGP603H

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lowery Signature: [signature] Month: 12 Day: 26 Year: 14

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [illegible] Signature: [signature] Month: 12 Day: 26 Year: 14

Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☑ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number: [illegible] U.S. EPA ID Number

18b. Alternate Facility (or Generator)
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H040 2. 3.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 18a
Printed/Typed Name: [illegible] Signature: [signature] Month: Day: Year:

EPA Form 8700-22 (Rev. 3-05). Previous editions are obsolete. TRANSPORTER'S COPY

1074578

or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

ORM HAZARDOUS STE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXR000051540	1	803.840.5904	006581936 FLE

erator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Attn:

Generator's Site Address (if different than mailing address)

rator's Phone: 803.840.5904

nsporter 1 Company Name: Bumler Transport Company Triad 803.775.1002 — U.S. EPA ID Number: OKD981588791

ansporter 2 Company Name — U.S. EPA ID Number

esignated Facility Name and Site Address
Ash Grove Cement Company
Hwy 105 West
Foreman, AR 71836

U.S. EPA ID Number

ility's Phone: 870.542.8000 3001 — ARD981512270

9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4766	P G	D001 D035	D018 D040	D028
2.							
3.							
4.							

14. Special Handling Instructions and Additional Information
ERG# 128 Texas State Waste Code: FVGP603H
HG 1529

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonora — Signature: [signature] — Month 2 Day 28 Year 14

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Terry Owings — Signature: [signature] — Month 2 Day 28 Year 14
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H C D C 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible] — Signature: [illegible] — Month 2 Day 1 Year 14

TRANSPORTER INTL — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. Original

TRANSPORTER'S COPY

1074590

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXR000051540	1	803.840.5304	006581942 FLE

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Generator's Phone: 803.840.5304
Attn:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Triad 803.775.1002 — U.S. EPA ID Number: OKD981588791

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Ash Grove Cement Company
Hwy 108 West
Foreman, AR 71836
Facility's Phone: 870.542.2080
U.S. EPA ID Number: APD981512270

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4849	G	D001	D018	D028
						D035	D040	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
ERG# 128 : Texas State Waste Code: FVGP603H
AG 1829 Manifest #005770803 FLE

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lunoza — Signature: [signature] — Month 3 Day 3 Year 14

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Terry Owings — Signature: Terry Owings — Month 3 Day 3 Year 14
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. [illegible] 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible] — Signature: [signature] — Month 3 Day 3 Year 14

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. TRANSPORTER'S COPY

1074657

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXR000051540	1	803 840.5304	006581937 FLE

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Attn:
Generator's Phone: 803.840.5304

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
Sunflor Transport Company Triad 803.775.1002
U.S. EPA ID Number ORD981588791 ~~[illegible]~~

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Ash Grove Cement Company
Hwy 108 West
Foreman, AR 71836
Facility's Phone: 870.512.3000
U.S. EPA ID Number ARD981512270

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4849	G	D001	D018	D028
						D035	D040	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
ERG# 128 Texas State Waste Code: FVGP603H
Partial Rejection Reference Manifest #005770812FLE

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lamoreg
Signature: [signature]
Month 3 Day 5 Year 14

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Terry Owings
Signature: Terry Owings
Month 3 Day 5 Year 14
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☒ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number: 005770812 FLE

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. [illegible]050
2.
3.
4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Timothy Howard
Signature: [signature]
Month 3 Day 6 Year 14

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.
100057043,070467,27,6,03/11/2014 on 15 Yer TRIO, ACS Certified Original

TRANSPORTER'S COPY

10++ 1074708

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number TXR000051540	2. Page 1 of 1	3. Emergency Response Phone 903.840.5304	4. Manifest Tracking Number 006581938 FLE

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Fichey Street
Pasadena, TX 77506
Attn:
Generator's Phone: 903.840.5304

Generator's Site Address (if different than mailing address)
10 TT

6. Transporter 1 Company Name
Triad 903.775.1002
U.S. EPA ID Number 06898158791

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Ash Grove Cement Company
Hwy 108 West
Foreman, AR 71836
Facility's Phone: 870.542.8000 3081
U.S. EPA ID Number ARD091912270

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4849	P G	D001 D018 D035	D018 D040	D039
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
ERG# 128 Texas State Waste Code: F06P6D3H
AG 1629

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lorraza | Signature: N. Lorraza | Month: 3 | Day: 7 | Year: 14

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Rodolfo Valdez | Signature: Rodolfo Valdez | Month: 3 | Day: 7 | Year: 14

Transporter 2 Printed/Typed Name: | Signature: | Month: | Day: | Year:

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H020			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: | Signature: | Month: | Day: | Year:

GENERATOR — TRANSPORTER INT'L — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. Final

TRANSPORTER'S COPY

1074731

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXR000051540	1	003.840.5304	006581939 FLE

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Attn:
Generator's Phone: 203.840.5304

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Sunder Transport Company Triad 603.775.1002 — U.S. EPA ID Number: OKD981588791 [illegible]

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Ash Grove Cement Company
Hwy 100 West
Foreman, AR 71836
Facility's Phone: 870.542.3000
U.S. EPA ID Number: ARD981512270

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4849	G	D001 D035	D016 D040	D028
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: ERG# 128 Texas State Waste Code: FVGP603H
AG 1829

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonoza — Signature: [signature] — Month 3 Day 9 Year 14

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James [illegible] — Signature: [signature] — Month 3 Day 9 Year 14
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H050 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible] — Signature — Month Day Year

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-95). Previous editions are obsolete. TRANSPORTER'S COPY

1074768 002

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number TXR000051540	2. Page 1 of 1	3. Emergency Response Phone 903.840.5904	4. Manifest Tracking Number 006581940 FLE

5. Generator's Name and Mailing Address
US Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Generator's Phone: 903.840.5904

Generator's Site Address (if different than mailing address)
Attn:

6. Transporter 1 Company Name: Gustav Transport Company — Triad 918.775.1002 — U.S. EPA ID Number: OKD981588791

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Ash Grove Cement Company
Hwy 108 West
Foreman, AR 71836
Facility's Phone: 870.542.9000 — U.S. EPA ID Number: AR0981512270

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	1849	G	D001	D018	D028
						D035	D040	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
E938 128 Texas State Waste Code: FVGP603H

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonoza — Signature — Month 3 Day 11 Year 14

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Robert Waldrop — Signature — Month 3 Day 11 Year 14
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H050 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a
Printed/Typed Name: Timothy Keen — Signature — Month 3 Day 13 Year 14

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. TRANSPORTER'S COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number TXR000051540	2. Page 1 of 1	3. Emergency Response Phone 603.840.5304	4. Manifest Tracking Number 006582012 FLE

5. Generator's Name and Mailing Address
OS Oil Recovery
400 North Richey Street
Pasadena, TX 77506
Attn:
Generator's Phone: 603.840.5304

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
Sunter Transport Company Triad 803.775.1002
U.S. EPA ID Number [illegible] OKD981588791

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Lone Star Industries
2524 South Sprigg Street
Cape Girardeau, MO 63701
Facility's Phone: (573) 335-8878
U.S. EPA ID Number MOD981127319

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4849	G	D001 D036	D018 D040	D028
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
CG-2151 Exp 126 Texas State Waste Code: FVGP603H

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonoza — Signature: [signature] — Month 3 Day 16 Year 14

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Phil Clark — Signature: [signature] — Month 3 Day 16 Year 14
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
unloaded 5493G
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
4
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H050			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Cody Stovall — Signature: [signature] — Month 3 Day 17 Year 14

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

DUPLICATE

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number TXR000051540	2. Page 1 of 1	3. Emergency Response Phone 803.840.6304	4. Manifest Tracking Number 006583794 FLE

5. Generator's Name and Mailing Address
US Oil Recovery LLC
170 S Lafayette Blvd
Sumter SC 29150
Attn: Christa Kinsley
Generator's Phone: 803.840.6304

Generator's Site Address (if different than mailing address)
US Oil Recovery LLC
400 North Richey Street
Pasadena, TX 77506

6. Transporter 1 Company Name: Sumter Transport Company 803.775.1002 — U.S. EPA ID Number: SCD987684770

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Lone Star Industries
2524 South Spring Street
Cape Girardeau, MO 63701
Sumter, SC 29150
Facility's Phone: (573) 335-8878
U.S. EPA ID Number: MOD981127319

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	4650	G	D001	D018	D028
						D036	D040	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
CG-2151 ERG# 126 Texas State Waste Code: FVG P603H

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lonoza — Signature: [signature] — Month 4 Day 2 Year 14

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: John Ellis — Signature: [signature] — Month 4 Day 2 Year 14
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H050 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Michael Wise — Signature: [signature] — Month 4 Day 2 Year 14

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. TRANSPORTER'S COPY

LC 156122

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXR000061540	1	800.840.5304	006593793 FLE

GENERATOR

5. Generator's Name and Mailing Address
US Oil Recovery LLC
170 S Lafayette Blvd
Sumter SC 29150
Attn: Christa Kinsley
Generator's Phone: 803.840.6304

Generator's Site Address (if different than mailing address)
US Oil Recovery LLC
400 North Richey Street
Pasadena, TX 77506

6. Transporter 1 Company Name: Sumter Transport Company — 803 775 1002 — U.S. EPA ID Number: SCD987584778

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Lone Star Industries
2524 South Sprigg Street
Cape Girardeau, MO 63703
Sumter, SC 29150
Facility's Phone: (573) 335-8878
U.S. EPA ID Number: MOD981127319

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1993, waste flammable liquids, n.o.s. (petroleum oil, benzene), 3, III, RQ	1	TT	3900	G	D001	D018	D028
						D035	D040	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
CG-2151 ERG# 128 Texas State Waste Code: FVGP603H

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Neal Lunora — Signature — Month 4 Day 4 Year 14

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: David Johnson — Signature — Month 4 Day 4 Year 14

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H040	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. TRANSPORTER'S COPY

APPENDIX G

ANALYTICAL LABORATORY REPORT EAST/WEST PVC PIPING

30-Jan-2014

Brian Wilson
Sumter Transport Company
PO Box 1060
Sumter, SC 29151-1060

Tel: (803) 775-1002
Fax:

Re: USOR 15-007-301 Work Order: **1401810**

Dear Brian,

ALS Environmental received 3 samples on 21-Jan-2014 03:40 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 12.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Electronically approved by: Joni S. Blankfield

Joni S. Blankfield
Project Manager

Certificate No: TX: T104704231-13-12

ALS Environmental

Date: 30-Jan-14

Client: Sumter Transport Company
Project: USOR 15-007-301
Work Order: **1401810**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1401810-01	PPE	Solid		1/21/2014	1/21/2014 15:40	☐
1401810-02	Pipe Debris	Solid		1/21/2014	1/21/2014 15:40	☐
1401810-03	Soil	Soil		1/21/2014	1/21/2014 15:40	☐

ALS Environmental

Date: 30-Jan-14

Client:	Sumter Transport Company
Project:	USOR 15-007-301
Work Order:	1401810

Case Narrative

The samples were received at room temperature which is outside of the recommended temperature acceptance (0 to 6 C). The client was notified via email on January 22, 2014.

Sample ID "Pipe Debris" consisted of PVC piping and a black debris material. Per client conversation, ALS performed the TCLP analysis on the black debris material. The sample was weighed and it was determined that the pvc piping weighed 348 grams and the black debris material weighed 480 grams. The analytical results reported are from a representative sample of the balck debris material.

ALS Environmental

Date: *30-Jan-14*

Client: Sumter Transport Company
Project: USOR 15-007-301 **Work Order:** 1401810
Sample ID: PPE **Lab ID:** 1401810-01
Collection Date: 1/21/2014 **Matrix:** SOLID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TCLP VOLATILES			**SW1311/8260B**			Analyst: **AKP**
1,2-Dichloroethane	ND		0.10	mg/L	20	1/23/2014 03:53 PM
Benzene	ND		0.10	mg/L	20	1/23/2014 03:53 PM
Trichloroethene	ND		0.10	mg/L	20	1/23/2014 03:53 PM
Surr: 1,2-Dichloroethane-d4	*94.0*		*70-125*	*%REC*	20	1/23/2014 03:53 PM
Surr: 4-Bromofluorobenzene	*98.2*		*72-125*	*%REC*	20	1/23/2014 03:53 PM
Surr: Dibromofluoromethane	*107*		*71-125*	*%REC*	20	1/23/2014 03:53 PM
Surr: Toluene-d8	*94.0*		*75-125*	*%REC*	20	1/23/2014 03:53 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: *30-Jan-14*

Client: Sumter Transport Company
Project: USOR 15-007-301
Sample ID: Pipe Debris
Collection Date: 1/21/2014

Work Order: 1401810
Lab ID: 1401810-02
Matrix: SOLID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TCLP VOLATILES			**SW1311/8260B**			Analyst: **AKP**
1,2-Dichloroethane	ND		0.10	mg/L	20	1/23/2014 04:16 PM
Benzene	ND		0.10	mg/L	20	1/23/2014 04:16 PM
Trichloroethene	ND		0.10	mg/L	20	1/23/2014 04:16 PM
Surr: 1,2-Dichloroethane-d4	*96.4*		*70-125*	*%REC*	20	1/23/2014 04:16 PM
Surr: 4-Bromofluorobenzene	*105*		*72-125*	*%REC*	20	1/23/2014 04:16 PM
Surr: Dibromofluoromethane	*108*		*71-125*	*%REC*	20	1/23/2014 04:16 PM
Surr: Toluene-d8	*96.7*		*75-125*	*%REC*	20	1/23/2014 04:16 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: *30-Jan-14*

Client: Sumter Transport Company
Project: USOR 15-007-301 **Work Order:** 1401810
Sample ID: Soil **Lab ID:** 1401810-03
Collection Date: 1/21/2014 **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TCLP VOLATILES			**SW1311/8260B**			Analyst: **AKP**
1,2-Dichloroethane	ND		0.10	mg/L	20	1/23/2014 04:39 PM
Benzene	ND		0.10	mg/L	20	1/23/2014 04:39 PM
Trichloroethene	ND		0.10	mg/L	20	1/23/2014 04:39 PM
Surr: 1,2-Dichloroethane-d4	*93.8*		*70-125*	*%REC*	20	1/23/2014 04:39 PM
Surr: 4-Bromofluorobenzene	*101*		*72-125*	*%REC*	20	1/23/2014 04:39 PM
Surr: Dibromofluoromethane	*106*		*71-125*	*%REC*	20	1/23/2014 04:39 PM
Surr: Toluene-d8	*95.4*		*75-125*	*%REC*	20	1/23/2014 04:39 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Work Order: 1401810
Client: Sumter Transport Company
Project: USOR 15-007-301

DATES REPORT

Sample ID	Client Sample ID	Matrix	Collection Date	TCLP Date	Prep Date	Analysis Date
Batch ID R160344 **Test Name:** TCLP Volatiles						
1401810-01A	PPE	Solid	1/21/2014	1/23/2014 9:30:00 AM		1/23/2014 03:53 PM
1401810-02A	Pipe Debris			1/23/2014 9:30:00 AM		1/23/2014 04:16 PM
1401810-03A	Soil	Soil		1/23/2014 9:30:00 AM		1/23/2014 04:39 PM

Batch ID: **R160344** Instrument ID **VOA7** Method: **SW1311/8260B**

MBLK Sample ID: **VBLKW-140123-R160344** Units: **µg/L** Analysis Date: **1/23/2014 11:38 AM**

Client ID: Run ID: **VOA7_140123A** SeqNo: **3512188** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	ND	5.0								
Benzene	ND	5.0								
Trichloroethene	ND	5.0								
Surr: 1,2-Dichloroethane-d4	44.51	5.0	*50*	*0*	*89*	*70-125*	*0*			
Surr: 4-Bromofluorobenzene	46.53	5.0	*50*	*0*	*93.1*	*72.4-125*	*0*			
Surr: Dibromofluoromethane	49.24	5.0	*50*	*0*	*98.5*	*71.2-125*	*0*			
Surr: Toluene-d8	43.61	5.0	*50*	*0*	*87.2*	*75-125*	*0*			

LCS Sample ID: **VLCSW-140123-R160344** Units: **µg/L** Analysis Date: **1/23/2014 10:28 AM**

Client ID: Run ID: **VOA7_140123A** SeqNo: **3512187** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	47.11	5.0	50	0	94.2	76-120				
Benzene	46.79	5.0	50	0	93.6	70-128				
Trichloroethene	50.1	5.0	50	0	100	72-129				
Surr: 1,2-Dichloroethane-d4	47.42	5.0	*50*	*0*	*94.8*	*70-125*	*0*			
Surr: 4-Bromofluorobenzene	48.81	5.0	*50*	*0*	*97.6*	*72-125*	*0*			
Surr: Dibromofluoromethane	52.57	5.0	*50*	*0*	*105*	*71-125*	*0*			
Surr: Toluene-d8	45.53	5.0	*50*	*0*	*91.1*	*75-125*	*0*			

MS Sample ID: **1401775-02BMS** Units: **µg/L** Analysis Date: **1/23/2014 12:47 PM**

Client ID: Run ID: **VOA7_140123A** SeqNo: **3512605** Prep Date: DF: **20**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	905.3	100	1000	0	90.5	76-120				
Benzene	946.1	100	1000	0	94.6	70-128				
Trichloroethene	1013	100	1000	0	101	72-129				
Surr: 1,2-Dichloroethane-d4	926.3	100	*1000*	*0*	*92.6*	*70-125*	*0*			
Surr: 4-Bromofluorobenzene	984.2	100	*1000*	*0*	*98.4*	*72-125*	*0*			
Surr: Dibromofluoromethane	1021	100	*1000*	*0*	*102*	*71-125*	*0*			
Surr: Toluene-d8	905.4	100	*1000*	*0*	*90.5*	*75-125*	*0*			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Sumter Transport Company
Work Order: 1401810
Project: USOR 15-007-301

QC BATCH REPORT

Batch ID: **R160344** Instrument ID **VOA7** Method: **SW1311/8260B**

MSD Sample ID: **1401775-02BMSD** Units: **µg/L** Analysis Date: **1/23/2014 01:11 PM**

Client ID: Run ID: **VOA7_140123A** SeqNo: **3512606** Prep Date: DF: **20**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	906.8	100	1000	0	90.7	76-120	905.3	0.156	20	
Benzene	946.2	100	1000	0	94.6	70-128	946.1	0.0153	20	
Trichloroethene	1013	100	1000	0	101	72-129	1013	0.0242	20	
Surr: 1,2-Dichloroethane-d4	985	100	*1000*	*0*	*98.5*	*70-125*	*926.3*	*6.14*	*20*	
Surr: 4-Bromofluorobenzene	1082	100	*1000*	*0*	*108*	*72-125*	*984.2*	*9.45*	*20*	
Surr: Dibromofluoromethane	1110	100	*1000*	*0*	*111*	*71-125*	*1021*	*8.41*	*20*	
Surr: Toluene-d8	1001	100	*1000*	*0*	*100*	*75-125*	*905.4*	*10.1*	*20*	

The following samples were analyzed in this batch: 1401810-01A 1401810-02A 1401810-03A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Sumter Transport Company
Project: USOR 15-007-301
WorkOrder: **1401810**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Units Reported	Description
mg/L	Milligrams per Liter

ALS Environmental

Sample Receipt Checklist

Client Name: **SUMTER TRANSPORT** Date/Time Received: **21-Jan-14 15:40**

Work Order: **1401810** Received by: **JSB**

Checklist completed by Paresh M. Giga (eSignature) 21-Jan-14 (Date) Reviewed by: Joni S. Blankfield (eSignature) 22-Jan-14 (Date)

Matrices: solid/Soil
Carrier name: Client

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☐	No ☑	
Temperature(s)/Thermometer(s):	Ambient		
Cooler(s)/Kit(s):	on counter		
Date/Time sample(s) sent to storage:	1/21/14 18:35		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

SRC Page 1 of 1

Chain of Custody Form

1401810

UT 700 903 280

Page 1 of 1

SUMTER TRANSPORT: Sumter Transport Company

Project: USOR 15-007-301

ALS Environmental

ALS Project Manager: Joni

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	USOR	A	TCLP benzene
Work Order		Project Number	15-007-301	B	TCLP 1,2-dichloroethane
Company Name	Sumter Transport Company	Bill To Company	Sumter Transport Company	C	TCLP trichloroethylene
Send Report To	Brian Wilson	Invoice Attn.	Bob Powell	D	
Address	PO Box 1060	Address	PO Box 1060	E	
				F	
City/State/Zip	Sumter, SC 29151-1060	City/State/Zip	Sumter , SC 29151-1060	G	
Phone	803-775-1002	Phone	803-772-1002	H	
Fax		Fax	803-773-1873	I	
e-Mail Address	bwilson@sumtertransport.com	e-Mail Address	bpowell@sumtertransport.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	PPE	01/21/14		Solid		1	x	x	x		Standard						
2	Pipe debris	01/21/14		Solid		1	x	x	x		3 Day rush						?
3	Soil	01/21/14		Solid		1	x	x	x		Standard						SS
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s): Please Print & Sign: Neal Lonoza

Shipment Method: Drop off

Required Turnaround Time: ☒ Other _____ ☐ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Notes:
	1-21-14	3:40pm		Pipe & Debris 24 hr Turn around. Soil & PPE
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler Temp.
		1/21/14 3:40		
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

QC Package: (Check Box Below)

- ☐ Level II: Standard QC
- ☐ Level III: Std QC + Raw Data
- ☐ Level IV: SW846 CLP-Like
- ☐ Other: _____
- ☐ TRRP-Checklist
- ☐ TRRP Level IV

Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.

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13-Mar-2014

Brian Wilson
Sumter Transport Company
PO Box 1060
Sumter, SC 29151-1060

Tel: (803) 775-1002
Fax:

Re: USOR 15-007-301 Work Order: **14030315**

Dear Brian,

ALS Environmental received 1 sample on 07-Mar-2014 02:50 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 10.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Electronically approved by: Jumoke M. Lawal

Joni S. Blankfield
Project Manager

Certificate No: TX: T104704231-13-12

ALS Environmental

Date: 13-Mar-14

Client: Sumter Transport Company
Project: USOR 15-007-301
Work Order: **14030315**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
14030315-01	Piping	Solid		3/6/2014 09:30	3/7/2014 14:50	☐

Client:	Sumter Transport Company
Project:	USOR 15-007-301
Work Order:	14030315

Case Narrative

The chain of custody did not indicate the sample collection date and time; per client email, the sample was collected March 6, 2014 at 09:30.

ALS Environmental

Date: *13-Mar-14*

Client: Sumter Transport Company
Project: USOR 15-007-301 **Work Order:** 14030315
Sample ID: Piping **Lab ID:** 14030315-01
Collection Date: 3/6/2014 09:30 AM **Matrix:** SOLID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TCLP VOLATILES			**SW1311/8260B**			Analyst: **PC**
1,2-Dichloroethane	ND		0.10	mg/L	20	3/12/2014 04:31 PM
Benzene	ND		0.10	mg/L	20	3/12/2014 04:31 PM
Trichloroethene	ND		0.10	mg/L	20	3/12/2014 04:31 PM
Surr: 1,2-Dichloroethane-d4	*89.2*		*70-125*	*%REC*	20	3/12/2014 04:31 PM
Surr: 4-Bromofluorobenzene	*96.7*		*72-125*	*%REC*	20	3/12/2014 04:31 PM
Surr: Dibromofluoromethane	*88.7*		*71-125*	*%REC*	20	3/12/2014 04:31 PM
Surr: Toluene-d8	*95.5*		*75-125*	*%REC*	20	3/12/2014 04:31 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Work Order: 14030315
Client: Sumter Transport Company
Project: USOR 15-007-301

DATES REPORT

Sample ID	Client Sample ID	Matrix	Collection Date	TCLP Date	Prep Date	Analysis Date
Batch ID R162781 **Test Name:** TCLP Volatiles						
14030315-01 A	Piping	Solid	3/6/2014 9:30:00 AM	3/11/2014 9:00:00 AM		3/12/2014 04:31 PM

Batch ID: **R162781** Instrument ID **VOA6** Method: **SW1311/8260B**

MBLK Sample ID: **VBLKW-140312-R162781** Units: **µg/L** Analysis Date: **3/12/2014 02:08 PM**

Client ID: Run ID: **VOA6_140312B** SeqNo: **3563382** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	ND	5.0								
Benzene	ND	5.0								
Trichloroethene	ND	5.0								
Surr: 1,2-Dichloroethane-d4	45.32	5.0	*50*	*0*	*90.6*	*70-125*	*0*			
Surr: 4-Bromofluorobenzene	47.98	5.0	*50*	*0*	*96*	*72.4-125*	*0*			
Surr: Dibromofluoromethane	45.34	5.0	*50*	*0*	*90.7*	*71.2-125*	*0*			
Surr: Toluene-d8	47.31	5.0	*50*	*0*	*94.6*	*75-125*	*0*			

LCS Sample ID: **VLCSW-140312-R162781** Units: **µg/L** Analysis Date: **3/12/2014 12:56 PM**

Client ID: Run ID: **VOA6_140312B** SeqNo: **3563381** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	42.9	5.0	50	0	85.8	76-120				
Benzene	46.19	5.0	50	0	92.4	70-128				
Trichloroethene	49.96	5.0	50	0	99.9	72-129				
Surr: 1,2-Dichloroethane-d4	43.11	5.0	*50*	*0*	*86.2*	*70-125*	*0*			
Surr: 4-Bromofluorobenzene	49.56	5.0	*50*	*0*	*99.1*	*72-125*	*0*			
Surr: Dibromofluoromethane	45.47	5.0	*50*	*0*	*90.9*	*71-125*	*0*			
Surr: Toluene-d8	48.75	5.0	*50*	*0*	*97.5*	*75-125*	*0*			

MS Sample ID: **14030389-02AMS** Units: **µg/L** Analysis Date: **3/12/2014 04:54 PM**

Client ID: Run ID: **VOA6_140312B** SeqNo: **3563385** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	42.9	5.0	50	0	85.8	76-120				
Benzene	43.63	5.0	50	0	87.3	70-128				
Trichloroethene	46.09	5.0	50	0	92.2	72-129				
Surr: 1,2-Dichloroethane-d4	42.42	5.0	*50*	*0*	*84.8*	*70-125*	*0*			
Surr: 4-Bromofluorobenzene	50.16	5.0	*50*	*0*	*100*	*72-125*	*0*			
Surr: Dibromofluoromethane	44.72	5.0	*50*	*0*	*89.4*	*71-125*	*0*			
Surr: Toluene-d8	48.41	5.0	*50*	*0*	*96.8*	*75-125*	*0*			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Sumter Transport Company
Work Order: 14030315
Project: USOR 15-007-301

QC BATCH REPORT

Batch ID: **R162781** Instrument ID **VOA6** Method: **SW1311/8260B**

MSD Sample ID: **14030389-02AMSD** Units: **µg/L** Analysis Date: **3/12/2014 05:18 PM**

Client ID: Run ID: **VOA6_140312B** SeqNo: **3563386** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	44.57	5.0	50	0	89.1	76-120	42.9	3.84	20	
Benzene	44.51	5.0	50	0	89	70-128	43.63	1.99	20	
Trichloroethene	46.17	5.0	50	0	92.3	72-129	46.09	0.179	20	
Surr: 1,2-Dichloroethane-d4	42.11	5.0	*50*	*0*	*84.2*	*70-125*	*42.42*	*0.744*	*20*	
Surr: 4-Bromofluorobenzene	49.72	5.0	*50*	*0*	*99.4*	*72-125*	*50.16*	*0.887*	*20*	
Surr: Dibromofluoromethane	44.97	5.0	*50*	*0*	*89.9*	*71-125*	*44.72*	*0.549*	*20*	
Surr: Toluene-d8	48.64	5.0	*50*	*0*	*97.3*	*75-125*	*48.41*	*0.48*	*20*	

The following samples were analyzed in this batch: 14030315-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 13-Mar-14

Client: Sumter Transport Company
Project: USOR 15-007-301
WorkOrder: **14030315**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Units Reported	Description
mg/L	Milligrams per Liter

ALS Environmental

Sample Receipt Checklist

Client Name: **SUMTER TRANSPORT** Date/Time Received: **07-Mar-14 14:50**

Work Order: **14030315** Received by: **PS**

Checklist completed by Paresh M. Giga (eSignature) 10-Mar-14 (Date) Reviewed by: Joni S. Blankfield (eSignature) 11-Mar-14 (Date)

Matrices: Solid
Carrier name: ALS.HS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☐	No ☑	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	1.7c/1.7c C/U	IR3	
Cooler(s)/Kit(s):	3138		
Date/Time sample(s) sent to storage:	3/10/14 12:50		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes: Rec 2 x jars - Chain incomplete - no sampling date/times on chain/jars - Logged in as 3/7/14

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

SRC Page 1 of 1

Chain of Custody Form

Page 1 of 1

14030315

SUMTER TRANSPORT: Sumter Transport Company

Project: USOR 15-007-301

ALS Environmental

ALS Project Manager: Joni Blan

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	USOR	A	TCLP benzene
Work Order		Project Number	15-007-301	B	TCLP 1,2-dichloroethane
Company Name	Sumter Transport Company	Bill To Company	Sumter Transport Company	C	TCLP trichloroethylene
Send Report To	Brian Wilson	Invoice Attn.	Bob Powell	D	
Address	PO Box 1060	Address	PO Box 1060	E	Run analyses on pipe covering, hold pipe pending results
				F	from pipe covering
City/State/Zip	Sumter, SC 29151-1060	City/State/Zip	Sumter , SC 29151-1060	G	
Phone	803-775-1002	Phone	803-772-1002	H	
Fax		Fax	803-773-1873	I	
e-Mail Address	bwilson@sumtertransport.com	e-Mail Address	bpowell@sumtertransport.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	Piping			Solid		1	x	x	x								
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s): Please Print & Sign: Neal Lonoza

Shipment Method: ~~Drop off~~ Pick up

Required Turnaround Time: ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other _____

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Notes:
Neal Lonoza	3-6-14			
Relinquished by:	Date: 3-6-14	Time: 1308	Received by (Laboratory):	Cooler Temp.
Logged by (Laboratory):	Date: 3-7-14	Time: 1150	Checked by (Laboratory):	

QC Package: (Check Box Below)

- ☐ Level II: Standard QC
- ☐ Level III: Std QC + Raw Data
- ☐ Level IV: SW846 CLP-Like
- ☐ TRRP-Checklist
- ☐ TRRP Level IV
- ☐ Other: _____

Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.

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APPENDIX H

BIOREACTOR PVC PIPING MANIFESTS

WASTE MANAGEMENT

NON-HAZARDOUS WASTE MANIFEST

FOR OFFICE USE ONLY
Customer Acc. No. _____
Ticket No. _____

GENERATOR

WMI 1357216

Name US Oil Recovery Site / Sumter Transport Company / PRP's
Generating Location 400 North Richey Street
Address PO Box 1080
Pasadena TX
Sumter SC 29151
State Gen. ID No. NA
Phone No. 803 840-1953
Gen. US EPA ID No. NA

WASTE CODE	PROFILE NUMBER	WASTE DESCRIPTION	QUANTITY	UNITS
NA	961128TX	East Bio Reactor PVC Pipe and Oil Residual Sludge	25	Y

CODES: D = DRUM; B = BAG; C = CARTON; P = POUND; Y = YARDS; 0 = OTHER

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Neal Lonoza — AUTHORIZED AGENT'S NAME (PRINT)
2/13/14 — DATE
[signature] — SIGNATURE

TRANSPORTER

Transporter's Name Waste Management
Phone No. 281 487 5000
Address 3520 Parsley
Driver's name [signature]
Pasadena TX 77505
Vehicle No. 408105

I hereby certify that the above listed material was picked up at the Generator site listed above and delivered without incident to the disposal facility listed below.

2-13-14 — SHIPMENT DATE
[signature] — DRIVER'S SIGNATURE
2-13-14 — DELIVERY DATE
[signature] — DRIVER'S SIGNATURE

DISPOSAL FACILITY

Site Name ~~Conrad Landfill~~ Coastal Plains
Phone No. ~~(936)441-2722~~ 713-423-1714
Address ~~2625 Loop 338 E~~ 21000 E Hwy 6
~~Conroe TX 77301~~ Alvin, TX 77511
Permit No. ~~SWS9001~~ H1721
Time _____

I hereby certify that the above listed material has been accepted and that information presented on this document is true and accurate.

Roden — NAME (PRINT)
2-13-14 — DATE
[signature] — SIGNATURE

White - Original • Canary - Transporter • Pink - Disposal Facility • Goldenrod - Generator

Projects #: 0-0

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

E² EFFECTIVE ENVIRONMENTAL

2425

NA 1

Order #: 104540

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: TXR000051540 / 52123
2. Page 1 of
3. Emergency Response Phone: See Section 14
4. Manifest Tracking Number: 002339474 GBF

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

Generator's Site Address (if different than mailing address)
400 N. Richey St.
Pasadena, TX 77506

6. Transporter 1 Company Name: Effective Environmental Inc.
Ph#: 713-672-6100
State ID#: TX-87158/AR-H-1361
U.S. EPA ID Number: TXR000051508

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Waste Management - Coastal Plains RDF
21000 East Highway 6
Alvin, TX 77511
State ID#: H1721
U.S. EPA ID Number: H1721
Facility's Phone: 281-388-1708

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
☐	1. Non-regulated material (PVC pipes, sludge)	25 40 CAP	CM	X 25yd	Y	NA1
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
01: PVC pipes & sludge (PF:965446TX)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 16a (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator/Offeror's Printed/Typed Name: X Scott Outwater
Signature: Signatory Agent on behalf of U.S. Oil Recovery Site PRP Group X
Month 3 Day 18 Year 14

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jeff Brochu
Signature: Jeff Brochu
Month 3 Day 18 Year 14
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
01: H132
Facility's Phone:
U.S. EPA ID Number

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132
2.
3.
4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Roden
Signature: [signature]
Month 3 Day 18 Year 14

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Projects #: 0-0

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) E² EFFECTIVE ENVIRONMENTAL 2425 Order #: 104763

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXR000051540 / 52123		See Section 14	002394620 GBF

GENERATOR

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

Generator's Site Address (if different than mailing address)
400 N. Richey St.,
Pasadena, TX 77506

6. Transporter 1 Company Name
Effective Environmental Inc.
Ph#: 713-672-6100
State ID#: TX-97158/AR-H-1381
U.S. EPA ID Number: TXR000051508

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Waste Management - Coastal Plains RDF
21000 East Highway 6
Alvin, TX 77511
State ID#: H1721
U.S. EPA ID Number: H1721
Facility's Phone: 281-388-1708

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
☐	1. Non-regulated material (PVC pipes, sludge)	25 yd Box	CM	25 yd	Y	NA Non-RCRA
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
01: PVC pipes & sludge (PF:965446TX)
' EMERGENCY RESPONSE PHONE: 214-635-1500 '
' ON CALL SUPERVISOR '

Box # ER 250267RT

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Golder Associates, Inc.

Generator's/Offeror's Printed/Typed Name: X Scott Outwater Golder Assoc. Inc. | Signature: X Scott Outwater Signatory Agent on behalf of US Oil Recovery Site 3 PRP Group | Month 1 | Day 24 | Year 2014

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jeff Brochu | Signature: Jeff Brochu | Month 3 | Day 24 | Year 14

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

18b. Alternate Facility (or Generator) Manifest Reference Number:
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
01: H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Ashley Clara | Signature | Month 3 | Day 24 | Year 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Projects #: 0-0

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

E² Effective Environmental

2425

Order #: 104763

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXR000051540 / 52123		See Section 14	002394622 GBF

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

Generator's Site Address (if different than mailing address)
400 N. Richey St.,
Pasadena, TX 77506

6. Transporter 1 Company Name
Effective Environmental Inc.
Ph#: 713-672-8100
State ID#: TX-87158/AR-H-1361
U.S. EPA ID Number: TXR000051508

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Waste Management - Coastal Plains RDF
21000 East Highway 6
Alvin, TX 77511
State ID#: H1721
U.S. EPA ID Number
Facility's Phone: 281.388.1708

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
[ ]	1. Non-regulated material (PVC pipes, sludge)	25 yd Box	CM	25 yds	Y	NA1 Non-RCRA
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
01: PVC pipes & sludge (PF:965446TX)
Box # ER25015RT
* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X Scott Outwater Golder Associates
Signature: X Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group
Golder Associates Inc.
Month: 12 Day: 24 Year: 2014

16. International Shipments: [ ] Import to U.S. [ ] Export from U.S.
Transporter signature (for exports only):
Port of entry/exit:
Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jeff Brochu
Signature: Jeff Brochu
Month: 12 Day: 24 Year: 14
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

18. Discrepancy
18a. Discrepancy Indication Space: [ ] Quantity [ ] Type [ ] Residue [ ] Partial Rejection [ ] Full Rejection
18b. Alternate Facility (or Generator)
Manifest Reference Number:
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 01: H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Ashley Clarac
Signature:
Month: 12 Day: 24 Year: 14

GENERATOR | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

APPENDIX I

BIOREACTOR CONCRETE/REBAR/SCRAP DEBRIS SHIPMENT BILLS OF LADING

L & F METALS

INVOICE

1707 RED BLUFF RD.
PASADENA, TX 77506
PHONE- (713) 477-6368
FAX- (713) 477-1001

Customer Info: **EFFECTIVE ENVIRONMENTAL INC.**

INVOICE DATE
Friday, August 22, 2014

GROSS	DESCRIPTION	TARE	NET	UNIT PRICE	AMOUNT
448	STAINLESS STEEL		448		
605	SCRAP METAL		605		
			0		$0.00
			0		$0.00
			0		$0.00
			0		$0.00
			0		$0.00
			0		$0.00
			0		$0.00
			0		$0.00
			0		$0.00
			0		$0.00
			0		$0.00
			0		$0.00
			0		$0.00
			0		$0.00
			0		$0.00
			0		$0.00
			0		$0.00
			0		$0.00
			0		$0.00
			0		$0.00
TOTAL GROSS		TOTAL TARE	TOTAL NET		TOTAL $
1053		**0**	**1053**		

PAID

Signature of Seller X _____

I HEREBY CERTIFY THAT I HAVE THE RIGHT TO POSSES AND SELL THE REGULATED MATERIAL LISTED ABOVE.

PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE DUE TO THE MARKET.

THANK YOU FOR YOUR BUSINESS!

oject #: 0-0

Order #: 105023

EFFECTIVE ENVIRONMENTAL, Inc.

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129235

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston. TX 77034.
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. **GENERATOR'S/OFFERORS'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Scott Outwater Agent on Behalf of U.S. Oil Recovery Site PRP Group Golder Associates Inc	4	2	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
		4	2	2014

Transporter 2 Printed/Typed Name	Signature	Month	Day	Year
Dois Rushmore		4	2	14

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

BOL0800

Project #: 0-0

E² EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129236

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston TX 77034.
State ID#:
Facility's Phone: 281-487-3671
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF-SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. **GENERATOR'S/OFFERORS'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste. Golder Associates Inc

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Signatory Agent on Behalf of US Oil Recovery Site PRP Group	4	2	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Israel Alvizo	Israel Alvizo	4	2	2014

Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

BOL0809

GENERATOR'S INITIAL COPY

oject #: 0-0

E² EFFECTIVE ENVIRONMENTAL, Inc.

3

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129237

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
4/02/14
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name
Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number
TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston. TX 77034.
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. **GENERATOR'S/OFFERORS'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name: X Scott Outwater
Signature: X Golder Associates Inc. Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group
Month: 4 Day: 2 Year: 2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Federico Martinez
Signature:
Month: 4 Day: 2 Year: 2014

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name: Scott Brady
Signature: Scott Brady
Month: Day: Year:

BOL0809

Project #: 0-0-

E² EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129238

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc.
Ph#: 281-704-6314
State ID#: 88174
U.S. EPA ID Number: TXR000077961

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston, TX 77034
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	18	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group (Golder Associates Inc)	4	2	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Jose Lopez		4	2	2014
Transporter 2 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**
		4	2	14

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month / Day / Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

BOL0809

oject #: 0-0

E² EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129239

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N Richey St.
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston TX 77034
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	18	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF-SCC-1146783)
* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. **GENERATOR'S/OFFERORS'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste. Golder Associates Inc.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Scott Outwater	Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	2	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Julio Velez Jr.		4	7	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

BOL0809

GENERATOR'S INITIAL COPY

oject #: 0-0

EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129240

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston. TX 77034.
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☒	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. **GENERATOR'S/OFFERORS'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name: X Scott Outwater
Signature: X Scott Outwater Golder Associates Inc. Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group
Month: 4 Day: 2 Year: 2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name:
Signature:
Month: 4 Day: 2 Year: 2014

Transporter 2 Printed/Typed Name: Otis
Signature:
Month: 4 Day: 2 Year: 14

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name: Scott Brady
Signature: Scott Brady
Month Day Year

GENERATION TRANSPORTER DESIGNATED FACILITY

oject #: 0-0

E² EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129241

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N Richey St.
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston, TX 77034
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01 Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. **GENERATOR'S/OFFERORS'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group / Golder Associates Inc.	11	2	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Israel Avila	Israel Avila	4	2	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

BOL0809

Project #: 0-0

Order #: 105023

EFFECTIVE ENVIRONMENTAL, Inc.

BILL OF LADING	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
	TXR000051540 / 52123		See Section 14	E2129242

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston TX 77034
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	18	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. **GENERATOR'S/OFFERORS'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Golder Associates Inc.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Signatory Agent on Behalf of US Oil Recovery Site PRP Group	4	2	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Jose Lopez	[signature]	4	2	2014
Transporter 2 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**
	[signature]	4		14

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

BOL0809

TRANSPORTER'S COPY

oject #: 0-0

E² EFFECTIVE ENVIRONMENTAL, Inc.

4

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129243

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

400 N. Richey St.,
Pasadena, TX 77506

4/02/14

6. Transporter 1 Company Name: Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston. TX 77034.
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. **GENERATOR'S/OFFERORS'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Scott Outwater Golder Associates Inc Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	2	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Federico MARTINEZ		4	2	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady				

- BOL0809

oject #: 0-0

E² EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129244

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

400 N. Richey St.,
Pasadena, TX 77506

6. Transporter 1 Company Name: Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 38174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston. TX 77034.
Facility's Phone: 281-487-3671
State ID#:
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☒	1. Non-regulated material (concrete debris)		CM		T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Scott Outwater, Golder Associates, Inc. Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	2	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Velez	Velez	4	2	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year
Otis				

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

Project #: 0-0

E2 EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129245

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name
Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 33174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston, TX 77034
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	18	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Scott Outwater	A Signatory Agent on Behalf of Site PRP Group	4	2	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Velez Trucking		4	2	14
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year
		4		14

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

BOL0809

oject #: 0-0

EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129252

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN. Scott Outwater

6. Transporter 1 Company Name
Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston, TX 77034.
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF-SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group (Golder Associates Inc)	4	2	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Israel Arvizu	Israel Arvizu	4	2	2014

Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

BOL0809

GENERATOR'S INITIAL COPY

Project #: 0-0

E² EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129253

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc.. 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name
Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston, TX 77034.
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	18	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

' EMERGENCY RESPONSE PHONE: 214-635-1500 '
' ON CALL SUPERVISOR '

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	2	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Jose Velez		4	2	2014
Transporter 2 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**
		4	2	14

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

BOL0809

roject #: 0-0

EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129254

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

400 N. Richey St.,
Pasadena, TX 77506

4/02/14

6. Transporter 1 Company Name
Velez Trucking Inc.

Ph#: 281-704-6814
State ID#: 88174

U.S. EPA ID Number
TXR000077981

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston. TX 77034.

State ID#:

U.S. EPA ID Number

Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☒	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name: X Scott Outwater
Signature: X Scott Outwater Golder Associates, Inc. Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group
Month: 4 Day: 2 Year: 2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Federico MARTINEZ.
Signature:
Month: 4 Day: 2 Year: 2014

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name: Scott Brady
Signature: Scott Brady
Month: Day: Year:

- BOL0809

oject #: 0-0

E2 EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129255

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston. TX 77034.
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☒	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name: X Scott Outwater
Signature: X Golder Associates, Inc. Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group
Month Day Year: 4 2 2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name
Signature
Month Day Year: 4 2 2014

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name: Scott Brady
Signature: Scott Brady
Month Day Year

GENERATOR — TRANSPORTER — DESIGNATED FACILITY

ject #: 0-0

Order #: 105023

EFFECTIVE ENVIRONMENTAL, Inc.

BILL OF LADING	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
	TXR000051540 / 52123		See Section 14	E2129256

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston, TX 77034
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. **GENERATOR'S/OFFERORS'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Golder Associates, Inc.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	2	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Israel Arvizu	Israel Arvizu	4	2	

Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

- BOL 0809

GENERATOR'S INITIAL COPY

Project #: 0-0

Order #: 105023

EFFECTIVE ENVIRONMENTAL, Inc.

BILL OF LADING	1. Generator ID Number TXR000051540 / 52123	2. Page 1 of	3. Emergency Response Phone See Section 14	4. Bill of Lading Tracking Number E2129257

5. Generator's Name and Mailing Address
US Oil Recovery / RT Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc.
Ph#: 281-704-0814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston, TX 77034
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	18	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)
EMERGENCY RESPONSE PHONE: 214-635-1500
ON CALL SUPERVISOR

15. **GENERATOR'S/OFFERORS'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Scott Outwater	Signatory Agent on Behalf of U.S. Oil Recovery Site RT Group / Golder Associates Inc.	4	2	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Luca Perrot	[signature]	4	2	2014

Transporter 2 Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	4	[illegible]	[illegible]

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

BOL 0809

oject #: 0-0

E² Effective Environmental, Inc.

5

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129258

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
4/02/
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston. TX 77034.
State ID#:
Facility's Phone: 281-487-3671
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☒	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. **GENERATOR'S/OFFERORS'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Scott Outwater Golder Associates Inc Signatory on U.S. Oil Recovery Site PRP Group Agent on Behalf	4	2	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Fecidio Martinez	[signature]	4	2	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	[signature]			

BOL0809

oject #: 0-0

Order #: 105023

EFFECTIVE ENVIRONMENTAL, Inc.

BILL OF LADING	1. Generator ID Number TXR000051540 / 52123	2. Page 1 of	3. Emergency Response Phone See Section 14	4. Bill of Lading Tracking Number E2129259

5. Generator's Name and Mailing Address
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc.
PIN#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
2070 Genoa Red Bluff Rd
Houston, TX 77034
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	18	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)
* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. **GENERATOR'S/OFFERORS'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Golder Associates Inc.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Scott Outwater	Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	2	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Jose Lopez	[signature]	4	2	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	[signature]			

BOL0809

Project #: 0-0

E2 EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129260

GENERATOR

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc. — Ph#: 281-704-6814, State ID#: 88174 — U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston. TX 77034.
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☒	1. Non-regulated material (concrete debris)		CM		T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. Used Oil Certification (if applicable): The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name: X Scott Outwater
Signature: X Signature of Agent on Behalf of U.S. Oil Recovery Site PRP Group — Golder Associates Inc.
Month: 4 Day: 4 Year: 2014

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Marvin Miranda
Signature:
Month: Day: Year:

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name: Onis Rodriguez
Signature:
Month: 4 Day: 4 Year: 14

E2 - BOL0809

DESIGNATED FACILITY'S COPY

Project #: 0-0

E² EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129168

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name
Velez Trucking Inc.
Ph#: 281-704-6874
State ID#: 83174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston, TX 77034
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

EMERGENCY RESPONSE PHONE: 214-635-1500
ON CALL SUPERVISOR

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations: **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	Golder Associates Inc Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	1	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Francisco Gaona	Francisco Gaona	4	1	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

BOL0809

GENERATOR'S INITIAL COPY

oject #: 0-0

E² EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129169

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

400 N. Richey St.,
Pasadena, TX 77506 (5) 4/01/14

6. Transporter 1 Company Name
Velez Trucking Inc.

Ph#: 281-704-6814
State ID#: 88174

U.S. EPA ID Number
TXR000077981

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston, TX 77034.

State ID#:

U.S. EPA ID Number

Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. **GENERATOR'S/OFFERORS'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Scott Outwater Golder Associates Inc Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	1	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Federico MARTINEZ		4	1	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

BOL0809

DESIGNATED FACILITY'S COPY

Project #: 0-0

E2 EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129170

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston, TX 77034.
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

' EMERGENCY RESPONSE PHONE: 214-636-1500 '
' ON CALL SUPERVISOR '

15. **GENERATOR'S/OFFERORS'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Scott Outwater	Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group / Golder Associates Inc.	4	1	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Isreal Arvizu	Isreal Arvizu	4	1	2014

Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month / Day / Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

BOL0809

TRANSPORTER'S COPY

Project #: 0-0

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129171

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name
Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston, TX 77034.
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Scott Outwater Golder Associates, Inc Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	1	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Francisco Gonzalez	Francisco Gonzalez	4	1	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year
Luis Rodriguez		4	1	14

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

GENERATOR — TRANSPORTER — DESIGNATED FACILITY

2 - BOL0809

roject#: 0,0

Order #: 105023

EFFECTIVE ENVIRONMENTAL, Inc.

BILL OF LADING	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
	TXR000051540 / 52123		See Section 14	E2129172

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6 04/01/14

6. Transporter 1 Company Name: Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston. TX 77034.
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. **GENERATOR'S/OFFERORS'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Golder Associates, Inc Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	1	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Federico MARTINEZ	[signature]	4	1	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

2 - BOL0809

DESIGNATED FACILITY'S COPY

Project #: 0-0

E2 EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000061540 / 52123		See Section 14	E2129173

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name
Velez Trucking Inc.
Ph#: 281-784-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston, TX 77034
State ID#:
Facility's Phone: 281-487-3671
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☒	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF-SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Scott Outwater	Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group (Golder Associates Inc.)	4	1	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Israel Aviles	Israel Aviles	4	1	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month / Day / Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

GENERATOR / TRANSPORTER / DESIGNATED FACILITY

oject #: 0-0

E2 EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129174

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc. | Ph#: 281-704-6814 State ID#: 88174 | U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name | U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston. TX 77034.
State ID#:
Facility's Phone: 281-487-3671
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☒	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Matt Outwater Golder Associates, Inc. Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	1	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
FRANCIS	FRANCISCO	4	1	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year
ONIS RODRIGUEZ		4	1	14

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

GENERATOR TRANSPORTER DESIGNATED FACILITY

- BOL0809

DESIGNATED FACILITY COPY

roject #: 0

E² EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129175

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

4 04/01/14

6. Transporter 1 Company Name
Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number
TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston. TX 77034.
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Scott Outwater Golder Associates, Inc. Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	1	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Federico MARTINEZ		4	1	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

GENERATOR TRANSPORTER DESIGNATED FACILITY

BOL 0809

Project #: 0-0

E² EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129176

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St., Pasadena, TX 77506 (1) 4/01/14
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc. Ph#: 281-704-6814 State ID#: 88174 U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston. TX 77034.
State ID#:
Facility's Phone: 281-487-3671
U.S. EPA ID Number:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. **GENERATOR'S/OFFERORS'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Scott Outwater Golder Associates Inc Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	1	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Reclorio Mata Mez.		4	1	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady				

- BOL0809

Object #: 0-0

E² EFFECTIVE ENVIRONMENTAL, Inc. Israel Arv.20

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129177

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc.
PRP: 281-487-3671
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston, TX 77034
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☒	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)
* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. **GENERATOR'S/OFFERORS'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name: Scott Outwater
Signature: Golder Associates Inc Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group
Month: 4 Day: 1 Year: 2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Israel Arvizu
Signature: Israel Arvizu
Month: 4 Day: 1 Year: 2014

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name: Scott Brady
Signature: Scott Brady
Month: Day: Year:

BOL0809

TRANSPORTER'S COPY

oject #: 0-0

E² Effective Environmental, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129178

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc. | Ph#: 281-704-6814 | State ID#: 88174 | U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name | U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston. TX 77034.
State ID#:
Facility's Phone: 281-487-3671
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☒	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Ostwater	X Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group (Golder Associates Inc.)	4	1	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
FRANCISCO	FRANCISCO	4	1	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year
Oris Rodriguez		4	1	14

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

roject #: 0-0

E2 EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129179

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

3 4/01/14

6. Transporter 1 Company Name
Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number
TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston. TX 77034.
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Scott Outwater Golder Associates Inc. Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	1	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Federico Martinez	MTZ	4	1	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

BOL 0809

Order#: 0-0

E² EFFECTIVE ENVIRONMENTAL, Inc.

Israel Arviz

Order#: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129180

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc.
PH#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Soilmen Crushed Concrete
2070 Genoa Red Bluff Rd
Houston, TX 77034
State ID#:
Facility's Phone: 281-487-3671
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☒	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)
* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste. Golder Associates Inc.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Scott Outwater	Signatory Agent on Behalf of US Oil Recovery Site PRP Group	4	1	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Israel Arviz	Israel Arviz	4	1	2014

Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month / Day / Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

BOL0809

roject #: 0-0

E2 EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129181

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc. Ph#: 281-704-6814 State ID#: 88174 U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston. TX 77034.
State ID#:
Facility's Phone: 281-487-3671
U.S. EPA ID Number:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. **GENERATOR'S/OFFERORS'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name: X Scott Outwater
Signature: X Scott Outwater Golder Associates, Inc. Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group
Month: 4 Day: 1 Year: 2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Cano
Signature: Cano
Month: 4 Day: 1 Year: 2014

Transporter 2 Printed/Typed Name: Onis Rodriguez
Signature: Onis Rodriguez
Month: 4 Day: 1 Year: 14

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name: Scott Brady
Signature: Scott Brady
Month: Day: Year:

GENERATOR TRANSPORTER DESIGNATED FACILITY

BOL 0809

Object #: 0-0

Order #: 105023

E2 EFFECTIVE ENVIRONMENTAL, Inc.

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129182

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc.. 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc. — Phone: 281-704-6814 — State ID#: 98174 — **U.S. EPA ID Number**: TXR000077961

7. Transporter 2 Company Name — **U.S. EPA ID Number**

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston, TX 77034
State ID#:
Facility's Phone: 281-487-3671
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☒	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

EMERGENCY RESPONSE PHONE: 214-635-1600
ON CALL SUPERVISOR

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste. Golder Associates Inc.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Scott Outwater	A Signatory Agent on Behalf of U.S. Oil Recovery	4	1	2014

16. Transporter Acknowledgment of Receipt of Materials — Site PRP Group

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Israel Arvizu	Israel Arvizu	4	1	2014

Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator) — **U.S. EPA ID Number**

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

GENERATOR TRANSPORTER DESIGNATED FACILITY

2 - BOL0809

oject #: 0-0

E² EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129183

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc. Ph#: 281-704-6814 State ID#: 88174 U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston. TX 77034.
State ID#:
Facility's Phone: 281-487-3671
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☒	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. **GENERATOR'S/OFFERORS'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Matt Cleaver Golder Associates Inc. Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	1	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Velez		4	1	2014
Transporter 2 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**
Luis Rodriguez		4	1	14

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady				

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

BOL 0909

roject #: 0-0

E² EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129184

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St., Pasadena, TX 77506 (2) 4/01/14
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston. TX 77034.
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☒	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Matt Outwater Golder Associates, Inc. Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	1	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Federico MARTINez.		4	1	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady				

GENERATOR

BOL0809

Project #: 0-0

Order #: 105023

E² EFFECTIVE ENVIRONMENTAL, Inc.

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129185

5. Generator's Name and Mailing Address
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc. — State ID#: 88174 — U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
2070 Genoa Red Bluff Rd
Houston, TX 77034.
State ID#:
Facility's Phone: 281-487-3671
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☒	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PCSCC-1146783)
* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. **GENERATOR'S/OFFERORS'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Scott Outwater	Golder Associates Inc Signatory Agent on behalf of N.S. 01 "Recovery Site PRP group"	04	1	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Israel Hruzo	Israel Hruzo	04	1	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

- BOL0809

oject #: 0-0
Gonzalez

E² EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129186

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston. TX 77034.
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Scott Outwater, Golder Associates Inc Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	1	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	4	1	2014

Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

- BOL0809

roject #: 0-0 -
Federico Martinez

E² EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129187

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

400 N. Richey St.,
Pasadena, TX 77506

7 04/01/14

6. Transporter 1 Company Name
Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston. TX 77034.
Facility's Phone: 281-487-3671
State ID#:
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. **GENERATOR'S/OFFERORS'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Scott Outwater Golder Associates Inc. Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	1	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Federico MARTINEZ	MR	4	1	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

GENERATION — TRANSPORTER — DESIGNATED FACILITY

2 - BOL0809

DESIGNATED FACILITY'S COPY

ject #: 0-0

Order #: 105023

EFFECTIVE ENVIRONMENTAL, Inc.

BILL OF LADING	1. Generator ID Number TXR000051540 / 52123	2. Page 1 of	3. Emergency Response Phone See Section 14	4. Bill of Lading Tracking Number E2129188

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc.
PH#: 281-704-6874
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston TX 77034
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PE:SCC-1146783)
* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Scott Outwater	Scott Outwater Golder Associates Inc. Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	1	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Israel Arvizu	Israel Arvizu	4	1	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

- BOL0809

GENERATOR'S INITIAL COPY

roject #: 0-0

E² EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129189

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston. TX 77034.
State ID#:
Facility's Phone: 281-487-3671
U.S. EPA ID Number

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. **GENERATOR'S/OFFERORS'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Scott Outwater Golder Associates Inc. Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	2	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
GOVEZ	GOVEZ	4	2	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year
Onis		4	2	14

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

GENERATOR — TRANSPORTER — DESIGNATED FACILITY

BOL 0809

Project #: 0-0

Order #: 105023

E2 EFFECTIVE ENVIRONMENTAL, Inc.

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129190

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc.
PH#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston, TX 77034.
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	18	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-638-1600 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste. Golder Associates Inc.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Scott Outwater	Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	2	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Jose Velez		4	2	2014

Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)	Month	Day	Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

BOL 0809

roject #: 0-0

E² EFFECTIVE ENVIRONMENTAL, Inc.

7

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129191

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
4/02/14
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston. TX 77034.
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	14	T	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Golder Associates, Inc. Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	2	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Federico MARTINEZ		4	2	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady				

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

- BOL0809

Project #: 0-0

Order #: 105023

EFFECTIVE ENVIRONMENTAL, Inc.

BILL OF LADING	1. Generator ID Number TXR000051540 / 52123	2. Page 1 of	3. Emergency Response Phone See Section 14	4. Bill of Lading Tracking Number E2129192

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc. Phone: 281-704-0614 State ID#: 88174 U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address
Southern Crushed Concrete
2070 Genoa Red Bluff Rd
Houston, TX 77034
State ID#:
U.S. EPA ID Number
Facility's Phone: 281-487-3671

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (concrete debris)		CM	14	1	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Concrete debris (PF:SCC-1146783)
* EMERGENCY RESPONSE PHONE: 214-635-1500 *
ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (if applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste. Golder Associates, Inc

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Scott Outwater	Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	2	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Israel Arvizu	Israel Arvizu	4	2	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Scott Brady	Scott Brady			

BOL0809

GENERATOR'S INITIAL COPY

Project #: 0-0

E² EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129264

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Ostwater

6. Transporter 1 Company Name: Velez Trucking Inc. — Ph#: 281-704-6814 — State ID#: 88174 — **U.S. EPA ID Number**: TXR000077981

7. Transporter 2 Company Name — **U.S. EPA ID Number**

8. Designated Facility Name and Site Address
L&F Metals
1707 Red Bluff Rd
Pasadena, TX 77506
State ID#:
U.S. EPA ID Number
Facility's Phone: 713-477-6368

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☒	1. Non-regulated material (rebars, scrap metals)		CM	18	Y	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Rebar, metal walkway & stairs (PF:LFM-1146890)
' EMERGENCY RESPONSE PHONE: 214-635-1500 '
' ON CALL SUPERVISOR '

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. Used Oil Certification (If applicable): The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

GENERATOR

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Ostwater	X Signatory's Agent on Behalf of Golder Associates Inc. Oil Recovery Site PRP Group	4	2	2014

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	4	2	2014
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
JUAN FERNANDO	[signature]	4	2	14

E2 - BOL0809

TRANSPORTER'S COPY

Project #: 0-0

EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129265

GENERATOR

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-871-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc.
Phone: 281-704-6814
State ID#: 88174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
L&F Metals
1707 Red Bluff Rd.
Pasadena, TX 77506
State ID#:
U.S. EPA ID Number:
Facility's Phone: 713-477-6368

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
X	1. Non-regulated material (rebars, scrap metals)		CM	18	Y	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
01: Rebar, metal walkway & stairs (PF:LFM-1146890)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. Used Oil Certification (if applicable): The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
X Scott Outwater	X Golder Associates Inc., Authorized Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	2	2014

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Jose Juan		4	2	14
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month / Day / Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
JUAN FONTINO		4	2	14

Project #: 0-0

Order #: 105023

EFFECTIVE ENVIRONMENTAL, Inc.

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129266

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name
Velez Trucking Inc.
Ph#: 281-704-6814
State ID#: 83174
U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
L&F Metals
1707 Red Bluff Rd
Pasadena, TX 77506
State ID#:
U.S. EPA ID Number:
Facility's Phone: 713-477-6368

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (rebars, scrap metals)		CM	18	Y	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Rebar, metal walkway & stairs (PF:LFM-1146890)

' EMERGENCY RESPONSE PHONE: 214-635-1500 '
' ON CALL SUPERVISOR '

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (If applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Golder Associates Inc.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Scott Outwater	Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	2	2014

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Lucio Reyes Rodriguez	[signature]	4	2	2014
Transporter 2 Printed/Typed Name	**Signature**	**Month**	**Day**	**Year**

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
Juan Ferrufino	[signature]	4	2	14

GENERATOR / TRANSPORTER / DESIGNATED FACILITY

E2 - BOL0809

TRANSPORTER'S COPY

Project #: 0-0

Order #: 105023

E2 EFFECTIVE ENVIRONMENTAL, Inc.

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129267

GENERATOR

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc., 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.,
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc. | Ph#: 281-704-6814 | State ID#: 88174 | U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name | U.S. EPA ID Number

8. Designated Facility Name and Site Address
Lor Metals
1707 Red Bluff Rd
Pasadena, TX 77506
State ID#:
U.S. EPA ID Number
Facility's Phone: 713-477-6368

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☐	1. Non-regulated material (rebars, scrap metals)		CM		Y	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
Of rebar metal walkway & stairs (PF:LFM-1146890)
* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. **Used Oil Certification (If applicable):** The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste. Golder Associates Inc.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Scott Outwater	Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group	4	4	2014

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Marvin Miranda		4	4	14
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year
JUAN Ferrufino		4	4	14

E2 - BOL0809

TRANSPORTER'S COPY

Project #: 0-0

E2 EFFECTIVE ENVIRONMENTAL, Inc.

Order #: 105023

BILL OF LADING

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Bill of Lading Tracking Number
TXR000051540 / 52123		See Section 14	E2129268

GENERATOR

5. Generator's Name and Mailing Address
US Oil Recovery PRP Group
Golder Associates, Inc. 500 Century Plaza Drive, Suite 190
Houston, TX 77073
400 N. Richey St.
Pasadena, TX 77506
Generator's Phone: 512-671-3434 ATTN: Scott Outwater

6. Transporter 1 Company Name: Velez Trucking Inc. Ph#: 281-704-6814 State ID#: 88174 U.S. EPA ID Number: TXR000077981

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address
L&F Metals
1707 Red Bluff Rd.
Pasadena, TX 77506
State ID#:
U.S. EPA ID Number:
Facility's Phone: 713-477-6368

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Regulatory Information
☒	1. Non-regulated material (rebars, scrap metals)		CM		Y	
☐	2.					
☐	3.					
☐	4.					

14. Special Handling Instructions and Additional Information
01: Rebar, metal walkway & stairs (PF:LFM-1146890)

* EMERGENCY RESPONSE PHONE: 214-635-1500 *
* ON CALL SUPERVISOR *

15. GENERATOR'S/OFFERORS'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable governmental regulations. Used Oil Certification (if applicable): The GENERATOR hereby certifies that the material collected from the GENERATOR'S facility by Effective Environmental does not contain any PCB's as defined in 40 CFR 761 and is not hazardous waste or been mixed with a listed or characteristic hazardous waste as defined by 40 CFR part 279, the GENERATOR certifies that the total halogen content is less than 1,000 ppm., or the GENERATOR hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The GENERATOR will be responsible for any and all costs including, but not limited to, proper disposal, testing, and transportation if the material contains PCB's or is determined to be a hazardous waste.

Generator's/Offeror's Printed/Typed Name: X Scott Outwater
Signature: X Signatory Agent on Behalf of US Oil Recovery PRP Group Golder Associates Inc.
Month: 4 Day: 3 Year: 2014

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Marvin Miranda
Signature:
Month: 4 Day: 3 Year: 14

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

BOL Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the BOL except as noted in Item 17a

Printed/Typed Name: JUAN FERNFINO
Signature:
Month: 4 Day: 3 Year: 14

E2 - BOL0809

TRANSPORTER'S COPY

APPENDIX J

BIOREACTOR SLAB RINSATE SAMPLING PROTOCOL

Proposed Rinsate Sample Collection Protocol for the U. S. Oil Recovery Site East and West Bioreactor Compartment Concrete Slab
March 13, 2014

The U.S. Oil PRP Group intends to collect rinsate samples on the east and west bioreactor compartment concrete slab for the purpose of evaluating Constituents of Concern (COC) that may be present after waste contained therein has been removed and final cleaning of the floor and walls has been completed. The following presents the proposed procedure for collecting, handling, and transportation of the samples to the selected laboratory for analysis:

Constituents to be analyzed:

The waste located in the east and west bioreactor compartments were analyzed on September 13, 2012 by ALS Laboratory (ALS work order number 1209508). The laboratory report indicated COCs present in the waste. Based on the TCLP detections, Golder proposed to analyze only those constituents detected in that analytical report. COCs to be analyzed in the rinsate samples of the east and west compartment are as follows:

TCLP Semi volatiles
Cresols, total

TCLP Volatiles
Benzene
1,2-Dichloroethane
2-Butanone
Trichloroethene

Barium and chromium (metals) were also detected in the samples barely above the detection limit (0.0765 mg/L and 0.0535 mg/L respectively). We do not propose to sample metals because they are present at low levels and are not anticipated to be a concern in transportation by storm water run-off from the bioreactor slab.

Pre Planning:

- Prior to entry into the bioreactor compartment, Golder personnel will have obtained the required safety training to safely accomplish the task.
- A JSA will be completed detailing the procedure and will list controls to mitigate hazards that may be encountered during completion of the task.

Procedure:

1. Laboratory supplied glassware, 5-gallon containers of potable water (from the on-Site, metered faucet), decontamination supplies, and sampling tools will be lowered into the respective compartment.

2. Sampling personnel will don new nitrile gloves at each sampling location to minimize the possibility of cross contamination.
3. A collection device (dust pan) constructed of metal will be used to collect rinsate samples.
4. Potable water from the container will be poured on the concrete slab at the sample location.
5. The water will be poured in such a way that it flows over the concrete slab into the dust pan.
6. The sample will then be transferred to the glassware supplied by ALS Environmental Laboratory.
7. Samples will be collected in the order of volatiles and then semi volatiles.
8. To further minimize cross contamination between samples, the dust pan will be decontaminated using a non-phosphate detergent and de-ionized water rinse prior to collecting samples at each location.
9. Upon completion of sampling, glassware will be appropriately labeled with sample ID, date, time, and analysis requested and placed in a laboratory supplied cooler with ice for transportation to ALS Environmental laboratory. The samples will be accompanied by chain of custody documentation. The coolers will contain custody seals that will not be broken until receipt by the laboratory.
10. Three Quality Assurance / Quality Control samples will be acquired consisting. They will consist of one trip blank supplied by the laboratory (to be analyzed for VOCs only) and a blind duplicate sample. One trip blank will be submitted for analysis with all samples. The duplicate sample will be obtained at a rate of one for each compartment (total of two).
11. Excess water used to collect rinsate samples and water used for decontamination of the sampling devices will be left at each sampling location. All other materials will be removed from each of the bioreactor compartments.

APPENDIX K

BIOREACTOR SLAB RINSATE SAMPLE LABORATORY ANALYTICAL REPORT AND DATA VALIDATION REPORT

Data Validation Report
ALS SDG: HS14030923

Sample Dates:	March 24, 2014	**Golder Project No.:**	11300991
Laboratory:	ALS Environmental (Texas NELAP Certification T104704231-13-11)	**Golder Client:**	USOR PRP Group
SDG:	HS14030923		
Intended Use	Superfund		
Site:	U.S. Oil Recovery Site, Pasadena, Texas		

This data validation report has been prepared by Golder Associates, Inc. (Golder) to assess the validity and usability of laboratory analytical data generated from samples collected at the Former U.S. Oil Recovery Site located at 400 N. Richey Street in Pasadena, Texas 77506 (the "Site") on March 24, 2014.

Seven (7) aqueous samples (including four concrete floor rinsate samples, one equipment blank sample, one duplicate sample, and one trip blank) are included in this data validation report. Table 1 below presents a complete cross-referenced listing of samples collected. According to the laboratory, standard operating procedures are compliant with the methods requested.

TABLE 1: Cross Reference and Analysis Summary

Field ID	Sample Type	Laboratory ID	Matrix	Analyses	
				Low-Level SVOCs	Low-Level VOCs
BR-W-R1	RS	14030923-01	Aqueous	X	X
BR-W-R2	RS	14030923-02	Aqueous	X	X
BR-E-R1	RS	14030923-03	Aqueous	X	X
BR-E-R2	RS	14030923-04	Aqueous	X	X
BR-EB-R	EB	14030923-05	Aqueous	X	X
DUP	FD	14030923-06	Aqueous	X	X
TRIP BLANK	TB	14030923-07	Aqueous		X

Notes: FD = Field Duplicate RS = Concrete Floor Rinsate Sample EB=Equipment Blank TB=Trip Blank

Low Level Semi-Volatile Organic Compounds (SVOCs) = 2-methylphenol and 3,4-methylphenol by USEPA SW8270
Low Level Volatile Organic Compounds (VOCs) =1,2-dichloroethane, 2-butanone, benzene, and trichloroethene by USEPA SW8260C.
USEPA = United States Environmental Protection Agency
CLP = Contract Laboratory Program
--- = Sample not analyzed for analytical parameter

The analytical data were evaluated for quality assurance and quality control (QA/QC) based on the following documents: Quality Assurance Project Plan (QAPP) Site Monitoring and Stabilization, Former U.S. Oil Recovery Site (May 30, 2012), USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Data Review (August 2014) and Test Methods for Evaluating Solid Waste, Physical/Chemical Methods: SW-846 On-line updated September 04, 2013. Analytical services for analysis of 7 samples were provided by ALS Environmental (ALS) in Houston, Texas.

This report summarizes the QA/QC evaluation of the data according to precision, accuracy, representativeness, completeness and comparability relative to the project data quality objectives. This report provides a quantitative and qualitative assessment of the data and identifies potential sources of error, uncertainty, and bias that may affect the overall usability of the data.

If an item was found outside of the review criteria, the reviewer applied a data qualifier (DQ) and bias code to the results for the affected samples. A list of all qualified results and definitions of the qualifier and bias codes are given in Table 2.

At the time the laboratory data were generated for this project, ALS Environmental (Houston, TX) was National Environmental Laboratory Accreditation Program (NELAP) accredited under the Texas Laboratory Accreditation Program (TLAP): T104704231-13-11.

Reviewer: Christina Higginbotham 1/20/15

QUALITY CONTROL PARAMETERS AND OUTCOMES

Chain-of-Custody

Proper sample custody procedures were used, which confirms that the integrity of the samples was maintained. After delivery of the original laboratory package, an EPA CLP Level IV raw data package was requested. The revised laboratory package was dated November 13, 2014. Remaining information on the custody records is complete and agrees with that in the field notes and laboratory reports.

Sample Condition

Samples were collected in appropriate containers, properly preserved in the field, and prepared and analyzed within the holding times as required in the analytical methods, with the following exception:

- For HS14030923, the temperature of the coolers at receipt was 0.7°C and 0.8°C. This is marginally below the EPA recommended temperatures of 4°C ± 2°C for preservation of aqueous samples; however since the samples were acid-preserved with HCl to a pH of 2 or below for VOCs, and were otherwise analyzed within holding times, sample quality is not believed to be adversely affected.

Field Procedures

Aqueous samples were collected by pouring distilled water over the concrete and collecting the rinsate water into sterilized jars provided by the laboratory. The sample containers were then placed into a cooler on ice for hand delivery to the laboratory. A total of 4 concrete floor rinsate samples from the east and west bioreactor compartments were collected. The purpose for analysis of the submitted samples is to determine if cleaning/decontamination procedures for the bioreactor unit were adequate. In addition one duplicate sample, one equipment rinsate blank sample, and one trip blank was submitted for Quality Assurance/Quality Control (QA/QC) purposes. The field duplicate was collected at BR-W-R1.

ORGANICS ANALYSES

The following data review was performed for 7 aqueous samples listed in Table 1, including dilutions and reanalysis, as applicable. The analyses were per EPA SW 846 Method 8260C for VOCs and Method 8270 for SVOCs. The laboratory “J” qualified results reported between Sample Detection Limit (SDL) and the Method Quantitation Limit (MQL) as estimated values.

Qualifications are compiled in Table 2 provided at the end of this report.

General Overall Assessment:

_____ Data are usable without qualification.

__X__ Data are usable with qualification (minor qualifications noted in the sections below).

_____ Some or all data are unusable for any purpose (detailed below).

Data Package Completeness

Were all items delivered as specified on the COC?

Yes. The laboratory submitted all required deliverables.

Laboratory Case Narrative, Sample Preservation and Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

No, with the following exceptions:

- For HS14030923, the temperature of the coolers at receipt was 0.7°C and 0.8°C. This is marginally below the EPA recommended temperatures of 4°C ± 2°C for preservation of aqueous samples, however since the samples were acid-preserved with HCl to a pH of 2 or below for VOCs, and were otherwise analyzed within holding times, sample quality is not believed to be adversely affected.
- In batch 77666 for SVOC Method SW8270, the laboratory noted insufficient sample to perform the MS/MSD. However the LCS/LCSD was provided for batch quality.

All issues noted in the case narrative are discussed below and in the following sections where necessary.

GC/MS Istrument Performance Check

Did GC/MS Instrument Performance checks meet method requirements?

Yes. GC/MS instrument performance checks are performed to ensure mass resolution, identification, and sensitivity.

The appropriate compound, bromofluorobenzene (BFB) for volatile analysis, was used for instrument tuning. The appropriate compound, decafluorotriphenylphosphine, (DFTPP) for semi-volatile analysis was used for instrument tuning. GC/MS tunes were performed at the appropriate frequency (once every 12 hours). Both BFB and DFTPP ion abundance met criteria specified by the methods. No analytical data were qualified based on the results of the GC/MS instrument performance check.

Initial Calibration

Was the Initial Calibration within evaluation criteria?

Yes. Initial calibration demonstrates that the instrument is capable of acceptable performance at the start of an analytical run and producing a linear calibration curve. For VOCs, ten standards (0.5, 1, 2, 5, 10, 20, 50, 100, 150, 200) were used for the initial calibration. For SVOCs, the GC/MS system was calibrated at eight standards (0.1, 0.2, 0.5, 1, 2.5, 5, 7.5, 10) to determine instrument sensitivity and the linearity of GS/MS response for purgeable target analytes and deuterated monitoring compounds (DMCs). Initial calibration demonstrates that the instrument is capable of acceptable performance at the start of an analytical run and producing a linear calibration curve. All percent relative standard deviation (%RSD) were greater than the minimum relative response factor (RRF) and below the maximum %RSD less for all SVOCs, VOCs and system monitoring compounds.

No analytical data were qualified based on the results of the initial calibration.

Continuing Calibration

Were the continuing calibration verification response factors within evaluation criteria?

Yes. Continuing calibration establishes the 12-hour relative response factors on which quantitations are based and checks satisfactory instrument performance on a day-to-day basis. The continuing calibration RRFs were greater than the minimum acceptable RFF for all SVOC, VOC and system monitoring compounds. The percent difference (%D) between the initial calibration and continuing calibration RRFs were less than the acceptable max RRF for all SVOC and system monitoring compounds.

Technical Holding Times

Were samples analyzed within method specific holding time requirements?

Yes. All samples were analyzed within method specific holding time requirements.

Blank Contamination

Were analytes detected in the Initial Calibration Blank, Continuing Calibration Blank, Equipment Blank and Method Blanks?

No. Analytes were not detected in associated method blanks, equipment blank, or trip blank.

Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

Yes. LCS analysis met the criteria for frequency of analysis and all LCS recoveries were within evaluation criteria.

Internal Standards

Were the Internal standard areas within control limits and was the retention time criteria met?

Internal standard areas in all samples were within the method required limits and all retention times were within the method required windows. Qualification of data was not required.

Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples reported as part of this SDG?

Yes. Site-specific MS/MSDs were not collected, but the laboratory performed matrix QC per method requirements on another client's sample (14030894-01A and 14030898-07) for batch R163463 and batch 163487 for VOCs. The MS and MSD recoveries for 2-butanone (batch R163487) were above QC limits, but all LCS recoveries were within evaluation criteria; therefore, data quality is not affected and no data qualification is required. In batch 77666 for SVOC Method SW8270, the laboratory noted insufficient sample to perform the MS/MSD. However the LCS/LCSD was provided for batch quality.

Surrogate Spikes (Deuterated Monitoring Compounds)

Were surrogate spike recoveries within evaluation criteria?

Yes. Surrogates are added to all samples prior to purging to evaluate the laboratory performance on individual samples. Surrogate spike recoveries for volatiles and semi-volatiles met evaluation criteria for compounds showing the analytical method is sufficient. Four volatile surrogates (1,2-dichloroethane-d4, toluene-d8, 4-bromofluorobenzene, dibromofluoromethane, and toluene-d8) were added to each sample analyzed by SW8260C for VOCs, and six semi-volatile surrogates (2,4,6-tribromophenol, 2-fluorobiphenyl, 2-fluorophenol, 4-terphenyl-d14, nitrobenzene-d5 and phenol-d6) were added to each sample analyzed by SW8270 for SVOCs. Percent recoveries (%R) for all semi- volatile surrogates in all samples were within laboratory evaluation criteria. Qualification of data was not required.

Laboratory Duplicate Results

Were laboratory duplicate samples performed as part of this SDG?

One laboratory duplicate sample was collected as part of this SDG for batch 77666 where the laboratory noted insufficient sample to perform the MS/MSD. The %RPD was within acceptable criteria.

Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes. All analytes between the parent sample BR-W-R1 and DUP were non-detect. Therefore, RPDs were not calculated.

Field ID	Field Duplicate ID
BR-W-R1	DUP

Detects and Calibration Range

For samples that were diluted and non-detect, were undiluted results also reported?

All samples within this SDG were run at a 1x dilution.

Additional Qualifications

Were additional qualifications applied?

No additional qualifications were required as part of this SDG.

Compound Quantitation and Target Identification

All VOC and SVOC compound and target identification were found to be acceptable.

Overall Data Assessment

EPA level II validation was performed on all samples. No transcription or calculation errors were found. The data are usable for its intended purpose based on an evaluation of the QC parameters discussed in this report. The table below summarizes the final qualifications for the analytical data.

TABLE 2: Data Qualifier Summary

Field ID	Analysis	Analyte	Qualifier	Reason Code
BR-W-R2	8270	2-Methylphenol	J	2
BR-W-R2	8270	3&4-Methylphenol	J	2

Data Validation Qualifier Codes:

n = not offered for accreditation
U = Non-detect. The compound was analyzed for, but not detected.
J = Estimated. The associated numerical value is an estimated quantity. The analyte was detected but the reported value may not be accurate or precise.
S = Spike recovery outside laboratory control limits
JL = estimated with a low bias, **JH** = Estimated with high bias.
UJ = Estimated Non-detect. The analyte was not detected above the method detection limit. However, it is an estimated quantity due to poor accuracy or precision. This qualification is also used to flag possible false negative results in the case where low bias in the analytical system is indicated by low calibration response, surrogate or other spike recovery.
.

Data Qualifier Reason Codes:

1 The laboratory was not NELAC certified for the indicated analyte.
2 Analyte detected below quantitation limit.
3 Failed recovery criteria due to matrix interference.
4 Surrogate recoveries were below reporting limits.

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T: +1 281 530 5656
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WorkOrder: HS14030923

Project Name:

0303116 USOR PRP

Golder Associates, Inc.

Scott Outwater
500 Century Plaza Drive Suite 190
Houston TX 77073

13-Nov-2014

26-Mar-2014

Scott Outwater
Golder Associates, Inc.
500 Century Plaza Drive Suite 190
Houston, TX 77073

Tel: (281) 821-6868
Fax: (281) 821-6870

Re: 0303116 USOR PRP Work Order: **14030923**

Dear Scott,

ALS Environmental received 7 samples on 25-Mar-2014 10:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 26.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Electronically approved by: Jumoke M. Lawal

Dane J. Wacasey

Certificate No: TX: T104704231-13-12

Client: Golder Associates, Inc.
Project: 0303116 USOR PRP
Work Order: 14030923

TRRP Laboratory Data Package Cover Page

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:
a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:
a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:
a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:
a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Client:	Golder Associates, Inc.
Project:	0303116 USOR PRP
Work Order:	14030923

TRRP Laboratory Data Package Cover Page

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Dane J. Wacasey

Dane J. Wacasey

Laboratory Review Checklist: Reportable Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 03/26/2014				
Project Name: 0303116 USOR PRP			Laboratory Job Number: 14030923				
Reviewer Name: Dane Wacasey			Prep Batch Number(s): 77666, R163463, R163487				
#[1]	A[2]	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?		X			1
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			2
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Reportable Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 03/26/2014				
Project Name: 0303116 USOR PRP			Laboratory Job Number: 14030923				
Reviewer Name: Dane Wacasey			Prep Batch Number(s): 77666, R163463, R163487				
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Reportable Data	
Laboratory Name: ALS Laboratory Group	LRC Date: 03/26/2014
Project Name: 0303116 USOR PRP	Laboratory Job Number: 14030923
Reviewer Name: Dane Wacasey	Prep Batch Number(s): 77666, R163463, R163487

ER#[5]	Description
1	Batch 77666, Semivolatile Organics Method SW8270, Insufficient sample to perform MS/MSD. LCS/LCSD provided as batch quality control.
2	Batch R163487, Volatile Organics Method SW8260, sample 14030898-07, MS/MSD was performed on an unrelated sample.

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

ALS Environmental

Date: 26-Mar-14

Client: Golder Associates, Inc.
Project: 0303116 USOR PRP
Work Order: **14030923**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
14030923-01	BR-W-R1	Water		3/24/2014 17:00	3/25/2014	☐
14030923-02	BR-W-R2	Water		3/24/2014 17:30	3/25/2014	☐
14030923-03	BR-E-R1	Water		3/24/2014 18:00	3/25/2014	☐
14030923-04	BR-E-R2	Water		3/24/2014 18:30	3/25/2014	☐
14030923-05	BR-EB-R	Water		3/24/2014 18:15	3/25/2014	☐
14030923-06	DUP	Water		3/24/2014	3/25/2014	☐
14030923-07	TRIP BLANK	Water		3/24/2014	3/25/2014	☐

ALS Environmental

Date: *26-Mar-14*

Client: Golder Associates, Inc.
Project: 0303116 USOR PRP
Sample ID: BR-W-R1
Collection Date: 3/24/2014 05:00 PM

Work Order: 14030923
Lab ID: 14030923-01
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
LOW-LEVEL SEMIVOLATILES		Method: **SW8270**			Prep: SW3510 / 3/25/14		Analyst: **LG**
2-Methylphenol	U		0.000033	0.00020	mg/L	1	3/25/2014 18:12
3&4-Methylphenol	U		0.000030	0.00020	mg/L	1	3/25/2014 18:12
Surr: 2,4,6-Tribromophenol	*62.4*			*34-129*	*%REC*	1	3/25/2014 18:12
Surr: 2-Fluorobiphenyl	*52.5*			*40-125*	*%REC*	1	3/25/2014 18:12
Surr: 2-Fluorophenol	*50.7*			*20-120*	*%REC*	1	3/25/2014 18:12
Surr: 4-Terphenyl-d14	*58.5*			*40-135*	*%REC*	1	3/25/2014 18:12
Surr: Nitrobenzene-d5	*59.1*			*41-120*	*%REC*	1	3/25/2014 18:12
Surr: Phenol-d6	*55.7*			*20-120*	*%REC*	1	3/25/2014 18:12
LOW LEVEL VOLATILES - SW8260C		Method: **SW8260**					Analyst: **PC**
1,2-Dichloroethane	U		0.20	1.0	µg/L	1	3/25/2014 14:03
2-Butanone	U		0.50	2.0	µg/L	1	3/25/2014 14:03
Benzene	U		0.20	1.0	µg/L	1	3/25/2014 14:03
Trichloroethene	U		0.20	1.0	µg/L	1	3/25/2014 14:03
Surr: 1,2-Dichloroethane-d4	*98.9*			*71-125*	*%REC*	1	3/25/2014 14:03
Surr: 4-Bromofluorobenzene	*99.6*			*70-125*	*%REC*	1	3/25/2014 14:03
Surr: Dibromofluoromethane	*99.8*			*74-125*	*%REC*	1	3/25/2014 14:03
Surr: Toluene-d8	*96.9*			*75-125*	*%REC*	1	3/25/2014 14:03

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: *26-Mar-14*

Client: Golder Associates, Inc.
Project: 0303116 USOR PRP
Sample ID: BR-W-R2
Collection Date: 3/24/2014 05:30 PM

Work Order: 14030923
Lab ID: 14030923-02
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
LOW-LEVEL SEMIVOLATILES		Method: **SW8270**			Prep: SW3510 / 3/25/14		Analyst: **LG**
2-Methylphenol	**0.00012**	J	**0.000033**	**0.00020**	**mg/L**	1	3/25/2014 18:31
3&4-Methylphenol	**0.00011**	J	**0.000030**	**0.00020**	**mg/L**	1	3/25/2014 18:31
Surr: 2,4,6-Tribromophenol	*73.3*			*34-129*	*%REC*	1	3/25/2014 18:31
Surr: 2-Fluorobiphenyl	*53.0*			*40-125*	*%REC*	1	3/25/2014 18:31
Surr: 2-Fluorophenol	*46.3*			*20-120*	*%REC*	1	3/25/2014 18:31
Surr: 4-Terphenyl-d14	*68.4*			*40-135*	*%REC*	1	3/25/2014 18:31
Surr: Nitrobenzene-d5	*54.6*			*41-120*	*%REC*	1	3/25/2014 18:31
Surr: Phenol-d6	*50.4*			*20-120*	*%REC*	1	3/25/2014 18:31
LOW LEVEL VOLATILES - SW8260C		Method: **SW8260**					Analyst: **PC**
1,2-Dichloroethane	U		0.20	1.0	µg/L	1	3/25/2014 14:27
2-Butanone	U		0.50	2.0	µg/L	1	3/25/2014 14:27
Benzene	U		0.20	1.0	µg/L	1	3/25/2014 14:27
Trichloroethene	U		0.20	1.0	µg/L	1	3/25/2014 14:27
Surr: 1,2-Dichloroethane-d4	*100*			*71-125*	*%REC*	1	3/25/2014 14:27
Surr: 4-Bromofluorobenzene	*99.7*			*70-125*	*%REC*	1	3/25/2014 14:27
Surr: Dibromofluoromethane	*97.8*			*74-125*	*%REC*	1	3/25/2014 14:27
Surr: Toluene-d8	*96.4*			*75-125*	*%REC*	1	3/25/2014 14:27

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: *26-Mar-14*

Client: Golder Associates, Inc.
Project: 0303116 USOR PRP
Sample ID: BR-E-R1
Collection Date: 3/24/2014 06:00 PM

Work Order: 14030923
Lab ID: 14030923-03
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
LOW-LEVEL SEMIVOLATILES		Method: **SW8270**			Prep: SW3510 / 3/25/14		Analyst: **LG**
2-Methylphenol	U		0.000033	0.00020	mg/L	1	3/25/2014 18:49
3&4-Methylphenol	U		0.000030	0.00020	mg/L	1	3/25/2014 18:49
Surr: 2,4,6-Tribromophenol	*69.9*			*34-129*	*%REC*	1	3/25/2014 18:49
Surr: 2-Fluorobiphenyl	*52.8*			*40-125*	*%REC*	1	3/25/2014 18:49
Surr: 2-Fluorophenol	*48.2*			*20-120*	*%REC*	1	3/25/2014 18:49
Surr: 4-Terphenyl-d14	*58.3*			*40-135*	*%REC*	1	3/25/2014 18:49
Surr: Nitrobenzene-d5	*53.1*			*41-120*	*%REC*	1	3/25/2014 18:49
Surr: Phenol-d6	*54.8*			*20-120*	*%REC*	1	3/25/2014 18:49
LOW LEVEL VOLATILES - SW8260C		Method: **SW8260**					Analyst: **PC**
1,2-Dichloroethane	U		0.20	1.0	µg/L	1	3/25/2014 14:50
2-Butanone	U		0.50	2.0	µg/L	1	3/25/2014 14:50
Benzene	U		0.20	1.0	µg/L	1	3/25/2014 14:50
Trichloroethene	U		0.20	1.0	µg/L	1	3/25/2014 14:50
Surr: 1,2-Dichloroethane-d4	*98.2*			*71-125*	*%REC*	1	3/25/2014 14:50
Surr: 4-Bromofluorobenzene	*100*			*70-125*	*%REC*	1	3/25/2014 14:50
Surr: Dibromofluoromethane	*99.5*			*74-125*	*%REC*	1	3/25/2014 14:50
Surr: Toluene-d8	*95.9*			*75-125*	*%REC*	1	3/25/2014 14:50

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: *26-Mar-14*

Client: Golder Associates, Inc.
Project: 0303116 USOR PRP
Sample ID: BR-E-R2
Collection Date: 3/24/2014 06:30 PM

Work Order: 14030923
Lab ID: 14030923-04
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
LOW-LEVEL SEMIVOLATILES		Method: **SW8270**			Prep: SW3510 / 3/25/14		Analyst: **LG**
2-Methylphenol	U		0.000033	0.00020	mg/L	1	3/25/2014 19:08
3&4-Methylphenol	U		0.000030	0.00020	mg/L	1	3/25/2014 19:08
Surr: 2,4,6-Tribromophenol	*79.8*			*34-129*	*%REC*	1	3/25/2014 19:08
Surr: 2-Fluorobiphenyl	*55.9*			*40-125*	*%REC*	1	3/25/2014 19:08
Surr: 2-Fluorophenol	*49.1*			*20-120*	*%REC*	1	3/25/2014 19:08
Surr: 4-Terphenyl-d14	*69.4*			*40-135*	*%REC*	1	3/25/2014 19:08
Surr: Nitrobenzene-d5	*58.2*			*41-120*	*%REC*	1	3/25/2014 19:08
Surr: Phenol-d6	*55.5*			*20-120*	*%REC*	1	3/25/2014 19:08
LOW LEVEL VOLATILES - SW8260C		Method: **SW8260**					Analyst: **PC**
1,2-Dichloroethane	U		0.20	1.0	µg/L	1	3/25/2014 15:13
2-Butanone	U		0.50	2.0	µg/L	1	3/25/2014 15:13
Benzene	U		0.20	1.0	µg/L	1	3/25/2014 15:13
Trichloroethene	U		0.20	1.0	µg/L	1	3/25/2014 15:13
Surr: 1,2-Dichloroethane-d4	*99.8*			*71-125*	*%REC*	1	3/25/2014 15:13
Surr: 4-Bromofluorobenzene	*99.4*			*70-125*	*%REC*	1	3/25/2014 15:13
Surr: Dibromofluoromethane	*101*			*74-125*	*%REC*	1	3/25/2014 15:13
Surr: Toluene-d8	*96.1*			*75-125*	*%REC*	1	3/25/2014 15:13

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: *26-Mar-14*

Client: Golder Associates, Inc.
Project: 0303116 USOR PRP
Sample ID: BR-EB-R
Collection Date: 3/24/2014 06:15 PM

Work Order: 14030923
Lab ID: 14030923-05
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
LOW-LEVEL SEMIVOLATILES		Method: **SW8270**			Prep: SW3510 / 3/25/14		Analyst: **LG**
2-Methylphenol	U		0.000033	0.00020	mg/L	1	3/25/2014 19:26
3&4-Methylphenol	U		0.000030	0.00020	mg/L	1	3/25/2014 19:26
Surr: 2,4,6-Tribromophenol	*62.2*			*34-129*	*%REC*	1	3/25/2014 19:26
Surr: 2-Fluorobiphenyl	*50.9*			*40-125*	*%REC*	1	3/25/2014 19:26
Surr: 2-Fluorophenol	*45.0*			*20-120*	*%REC*	1	3/25/2014 19:26
Surr: 4-Terphenyl-d14	*58.5*			*40-135*	*%REC*	1	3/25/2014 19:26
Surr: Nitrobenzene-d5	*52.5*			*41-120*	*%REC*	1	3/25/2014 19:26
Surr: Phenol-d6	*50.9*			*20-120*	*%REC*	1	3/25/2014 19:26
LOW LEVEL VOLATILES - SW8260C		Method: **SW8260**					Analyst: **PC**
1,2-Dichloroethane	U		0.20	1.0	µg/L	1	3/25/2014 13:40
2-Butanone	U		0.50	2.0	µg/L	1	3/25/2014 13:40
Benzene	U		0.20	1.0	µg/L	1	3/25/2014 13:40
Trichloroethene	U		0.20	1.0	µg/L	1	3/25/2014 13:40
Surr: 1,2-Dichloroethane-d4	*99.2*			*71-125*	*%REC*	1	3/25/2014 13:40
Surr: 4-Bromofluorobenzene	*100*			*70-125*	*%REC*	1	3/25/2014 13:40
Surr: Dibromofluoromethane	*99.0*			*74-125*	*%REC*	1	3/25/2014 13:40
Surr: Toluene-d8	*97.3*			*75-125*	*%REC*	1	3/25/2014 13:40

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: *26-Mar-14*

Client: Golder Associates, Inc.
Project: 0303116 USOR PRP
Sample ID: DUP
Collection Date: 3/24/2014

Work Order: 14030923
Lab ID: 14030923-06
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
LOW-LEVEL SEMIVOLATILES		Method: **SW8270**			Prep: SW3510 / 3/25/14		Analyst: **LG**
2-Methylphenol	U		0.000033	0.00020	mg/L	1	3/25/2014 19:44
3&4-Methylphenol	U		0.000030	0.00020	mg/L	1	3/25/2014 19:44
Surr: 2,4,6-Tribromophenol	*71.7*			*34-129*	*%REC*	1	3/25/2014 19:44
Surr: 2-Fluorobiphenyl	*52.2*			*40-125*	*%REC*	1	3/25/2014 19:44
Surr: 2-Fluorophenol	*44.7*			*20-120*	*%REC*	1	3/25/2014 19:44
Surr: 4-Terphenyl-d14	*65.6*			*40-135*	*%REC*	1	3/25/2014 19:44
Surr: Nitrobenzene-d5	*49.1*			*41-120*	*%REC*	1	3/25/2014 19:44
Surr: Phenol-d6	*45.8*			*20-120*	*%REC*	1	3/25/2014 19:44
LOW LEVEL VOLATILES - SW8260C		Method: **SW8260**					Analyst: **PC**
1,2-Dichloroethane	U		0.20	1.0	µg/L	1	3/26/2014 12:59
2-Butanone	U		0.50	2.0	µg/L	1	3/26/2014 12:59
Benzene	U		0.20	1.0	µg/L	1	3/26/2014 12:59
Trichloroethene	U		0.20	1.0	µg/L	1	3/26/2014 12:59
Surr: 1,2-Dichloroethane-d4	*98.8*			*71-125*	*%REC*	1	3/26/2014 12:59
Surr: 4-Bromofluorobenzene	*99.4*			*70-125*	*%REC*	1	3/26/2014 12:59
Surr: Dibromofluoromethane	*100*			*74-125*	*%REC*	1	3/26/2014 12:59
Surr: Toluene-d8	*95.5*			*75-125*	*%REC*	1	3/26/2014 12:59

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: *26-Mar-14*

Client: Golder Associates, Inc.
Project: 0303116 USOR PRP
Sample ID: TRIP BLANK
Collection Date: 3/24/2014

Work Order: 14030923
Lab ID: 14030923-07
Matrix: WATER

Analyses	Result	Qual	SDL	MQL	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C		Method: **SW8260**					Analyst: **PC**
1,2-Dichloroethane	U		0.20	1.0	µg/L	1	3/26/2014 12:37
2-Butanone	U		0.50	2.0	µg/L	1	3/26/2014 12:37
Benzene	U		0.20	1.0	µg/L	1	3/26/2014 12:37
Trichloroethene	U		0.20	1.0	µg/L	1	3/26/2014 12:37
Surr: 1,2-Dichloroethane-d4	*97.8*			*71-125*	*%REC*	1	3/26/2014 12:37
Surr: 4-Bromofluorobenzene	*98.2*			*70-125*	*%REC*	1	3/26/2014 12:37
Surr: Dibromofluoromethane	*95.5*			*74-125*	*%REC*	1	3/26/2014 12:37
Surr: Toluene-d8	*95.9*			*75-125*	*%REC*	1	3/26/2014 12:37

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Work Order: 14030923
Client: Golder Associates, Inc.
Project: 0303116 USOR PRP

DATES REPORT

Sample ID	Client Sample ID	Matrix	Collection Date	TCLP Date	Prep Date	Analysis Date
Batch ID 77666 **Test Name:** Low-Level Semivolatiles						
14030923-01 B	BR-W-R1	Water	3/24/2014 5:00:00 PM		3/25/2014 10:00 AM	3/25/2014 06:12 PM
14030923-02 B	BR-W-R2		3/24/2014 5:30:00 PM		3/25/2014 10:00 AM	3/25/2014 06:31 PM
14030923-03 B	BR-E-R1		3/24/2014 6:00:00 PM		3/25/2014 10:00 AM	3/25/2014 06:49 PM
14030923-04 B	BR-E-R2		3/24/2014 6:30:00 PM		3/25/2014 10:00 AM	3/25/2014 07:08 PM
14030923-05 B	BR-EB-R		3/24/2014 6:15:00 PM		3/25/2014 10:00 AM	3/25/2014 07:26 PM
14030923-06 B	DUP		3/24/2014		3/25/2014 10:00 AM	3/25/2014 07:44 PM
Batch ID R163463 **Test Name:** Low Level Volatiles - SW8260C						
14030923-01 A	BR-W-R1	Water	3/24/2014 5:00:00 PM			3/25/2014 02:03 PM
14030923-02 A	BR-W-R2		3/24/2014 5:30:00 PM			3/25/2014 02:27 PM
14030923-03 A	BR-E-R1		3/24/2014 6:00:00 PM			3/25/2014 02:50 PM
14030923-04 A	BR-E-R2		3/24/2014 6:30:00 PM			3/25/2014 03:13 PM
14030923-05 A	BR-EB-R		3/24/2014 6:15:00 PM			3/25/2014 01:40 PM
Batch ID R163487 **Test Name:** Low Level Volatiles - SW8260C						
14030923-06 A	DUP	Water	3/24/2014			3/26/2014 12:59 PM
14030923-07 A	TRIP BLANK					3/26/2014 12:37 PM

ALS Environmental

Date: 26-Mar-14

WorkOrder: 14030923
InstrumentID: SV-6
Test Code: 8270_LOW_W
Test Number: SW8270
Test Name: Low-Level Semivolatiles **Matrix:** Aqueous **Units:** mg/L

METHOD DETECTION / REPORTING LIMITS

Type	Analyte	CAS	DCS Spike	DCS	MDL	Unadjusted MQL
A	2-Methylphenol	95-48-7	0.00010	0.000083	0.000033	0.00020
A	3&4-Methylphenol	3/4-CRESOL	0.00010	0.000083	0.000030	0.00020
S	Surr: 2,4,6-Tribromophenol	118-79-6	0	0	0	0.00020
S	Surr: 2-Fluorobiphenyl	321-60-8	0	0	0	0.00020
S	Surr: 2-Fluorophenol	367-12-4	0	0	0	0.00020
S	Surr: 4-Terphenyl-d14	1718-51-0	0	0	0	0.00020
S	Surr: Nitrobenzene-d5	4165-60-0	0	0	0	0.00020
S	Surr: Phenol-d6	13127-88-3	0	0	0	0.00020

WorkOrder: 14030923
InstrumentID: VOA6
Test Code: 8260_LL_W
Test Number: SW8260
Test Name: Low Level Volatiles - SW8260C **Matrix:** Aqueous **Units:** µg/L

METHOD DETECTION / REPORTING LIMITS

Type	Analyte	CAS	DCS Spike	DCS	MDL	Unadjusted MQL
A	1,2-Dichloroethane	107-06-2	0.50	0.44	0.20	1.0
A	2-Butanone	78-93-3	1.0	1.1	0.50	2.0
A	Benzene	71-43-2	0.50	0.45	0.20	1.0
A	Trichloroethene	79-01-6	0.50	0.42	0.20	1.0
S	Surr: 1,2-Dichloroethane-d4	17060-07-0	0	0	0	1.0
S	Surr: 4-Bromofluorobenzene	460-00-4	0	0	0	1.0
S	Surr: Dibromofluoromethane	1868-53-7	0	0	0	1.0
S	Surr: Toluene-d8	2037-26-5	0	0	0	1.0

Batch ID: **77666** Instrument ID **SV-6** Method: **SW8270**

MBLK Sample ID: **SBLKW2-140325-77666** Units: **µg/L** Analysis Date: **3/25/2014 05:13 PM**

Client ID: Run ID: **SV-6_140325A** SeqNo: **3577309** Prep Date: **3/25/2014** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylphenol	U	0.20								
3&4-Methylphenol	U	0.20								
Surr: 2,4,6-Tribromophenol	3.217	0.20	*5*	*0*	*64.3*	*34-129*	*0*			
Surr: 2-Fluorobiphenyl	3.189	0.20	*5*	*0*	*63.8*	*40-125*	*0*			
Surr: 2-Fluorophenol	2.663	0.20	*5*	*0*	*53.3*	*20-120*	*0*			
Surr: 4-Terphenyl-d14	3.381	0.20	*5*	*0*	*67.6*	*40-135*	*0*			
Surr: Nitrobenzene-d5	3.466	0.20	*5*	*0*	*69.3*	*41-120*	*0*			
Surr: Phenol-d6	3.146	0.20	*5*	*0*	*62.9*	*20-120*	*0*			

LCS Sample ID: **SLCSW2-140325-77666** Units: **µg/L** Analysis Date: **3/25/2014 05:32 PM**

Client ID: Run ID: **SV-6_140325A** SeqNo: **3577310** Prep Date: **3/25/2014** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylphenol	3.396	0.20	5	0	67.9	45-120				
3&4-Methylphenol	3.565	0.20	5	0	71.3	35-120				
Surr: 2,4,6-Tribromophenol	3.84	0.20	*5*	*0*	*76.8*	*34-129*	*0*			
Surr: 2-Fluorobiphenyl	3.481	0.20	*5*	*0*	*69.6*	*40-125*	*0*			
Surr: 2-Fluorophenol	3.262	0.20	*5*	*0*	*65.2*	*20-120*	*0*			
Surr: 4-Terphenyl-d14	3.499	0.20	*5*	*0*	*70*	*40-135*	*0*			
Surr: Nitrobenzene-d5	3.592	0.20	*5*	*0*	*71.8*	*41-120*	*0*			
Surr: Phenol-d6	3.52	0.20	*5*	*0*	*70.4*	*20-120*	*0*			

LCSD Sample ID: **SLCSDW2-140325-77666** Units: **µg/L** Analysis Date: **3/25/2014 05:50 PM**

Client ID: Run ID: **SV-6_140325A** SeqNo: **3577311** Prep Date: **3/25/2014** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2-Methylphenol	3.377	0.20	5	0	67.5	45-120	3.396	0.566	20	
3&4-Methylphenol	3.331	0.20	5	0	66.6	35-120	3.565	6.78	20	
Surr: 2,4,6-Tribromophenol	3.676	0.20	*5*	*0*	*73.5*	*34-129*	*3.84*	*4.35*	*0*	
Surr: 2-Fluorobiphenyl	3.317	0.20	*5*	*0*	*66.3*	*40-125*	*3.481*	*4.81*	*0*	
Surr: 2-Fluorophenol	3.104	0.20	*5*	*0*	*62.1*	*20-120*	*3.262*	*4.97*	*0*	
Surr: 4-Terphenyl-d14	3.304	0.20	*5*	*0*	*66.1*	*40-135*	*3.499*	*5.72*	*0*	
Surr: Nitrobenzene-d5	3.546	0.20	*5*	*0*	*70.9*	*41-120*	*3.592*	*1.28*	*0*	
Surr: Phenol-d6	3.308	0.20	*5*	*0*	*66.2*	*20-120*	*3.52*	*6.21*	*0*	

The following samples were analyzed in this batch:

14030923-01B	14030923-02B	14030923-03B	14030923-04B
14030923-05B	14030923-06B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Golder Associates, Inc.
Work Order: 14030923
Project: 0303116 USOR PRP

QC BATCH REPORT

Batch ID: **R163463** Instrument ID **VOA6** Method: **SW8260**

MBLK Sample ID: **VBLKW-140325-R163463** Units: **µg/L** Analysis Date: **3/25/2014 10:41 AM**
Client ID: Run ID: **VOA6_140325A** SeqNo: **3578171** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	U	1.0								
2-Butanone	U	2.0								
Benzene	U	1.0								
Trichloroethene	U	1.0								
Surr: 1,2-Dichloroethane-d4	49.28	1.0	*50*	*0*	*98.6*	*71-125*	*0*			
Surr: 4-Bromofluorobenzene	49.9	1.0	*50*	*0*	*99.8*	*70-125*	*0*			
Surr: Dibromofluoromethane	49.84	1.0	*50*	*0*	*99.7*	*74-125*	*0*			
Surr: Toluene-d8	48.51	1.0	*50*	*0*	*97*	*75-125*	*0*			

LCS Sample ID: **VLCSW-140325-R163463** Units: **µg/L** Analysis Date: **3/25/2014 09:02 AM**
Client ID: Run ID: **VOA6_140325A** SeqNo: **3578170** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	44.81	1.0	50	0	89.6	79-120				
2-Butanone	97.67	2.0	100	0	97.7	60-140				
Benzene	47.23	1.0	50	0	94.5	80-120				
Trichloroethene	48.01	1.0	50	0	96	75-125				
Surr: 1,2-Dichloroethane-d4	47.7	1.0	*50*	*0*	*95.4*	*71-125*	*0*			
Surr: 4-Bromofluorobenzene	51.07	1.0	*50*	*0*	*102*	*70-125*	*0*			
Surr: Dibromofluoromethane	49.68	1.0	*50*	*0*	*99.4*	*74-125*	*0*			
Surr: Toluene-d8	49.2	1.0	*50*	*0*	*98.4*	*75-125*	*0*			

MS Sample ID: **14030894-01AMS** Units: **µg/L** Analysis Date: **3/25/2014 12:23 PM**
Client ID: Run ID: **VOA6_140325A** SeqNo: **3578173** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	46.77	1.0	50	0	93.5	79-120				
2-Butanone	112.1	2.0	100	0	112	60-140				
Benzene	43.55	1.0	50	0	87.1	80-120				
Trichloroethene	44.34	1.0	50	0	88.7	75-125				
Surr: 1,2-Dichloroethane-d4	48.37	1.0	*50*	*0*	*96.7*	*71-125*	*0*			
Surr: 4-Bromofluorobenzene	51.53	1.0	*50*	*0*	*103*	*70-125*	*0*			
Surr: Dibromofluoromethane	49.48	1.0	*50*	*0*	*99*	*74-125*	*0*			
Surr: Toluene-d8	49.5	1.0	*50*	*0*	*99*	*75-125*	*0*			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R163463** Instrument ID **VOA6** Method: **SW8260**

MSD Sample ID: **14030894-01AMSD** Units: **µg/L** Analysis Date: **3/25/2014 12:48 PM**

Client ID: Run ID: **VOA6_140325A** SeqNo: **3578174** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	48.17	1.0	50	0	96.3	79-120	46.77	2.94	20	
2-Butanone	111.1	2.0	100	0	111	60-140	112.1	0.861	20	
Benzene	45.18	1.0	50	0	90.4	80-120	43.55	3.69	20	
Trichloroethene	45.93	1.0	50	0	91.9	75-120	44.34	3.52	20	
Surr: 1,2-Dichloroethane-d4	48.73	1.0	*50*	*0*	*97.5*	*71-125*	*48.37*	*0.758*	*20*	
Surr: 4-Bromofluorobenzene	51.34	1.0	*50*	*0*	*103*	*70-125*	*51.53*	*0.36*	*20*	
Surr: Dibromofluoromethane	50.31	1.0	*50*	*0*	*101*	*74-125*	*49.48*	*1.66*	*20*	
Surr: Toluene-d8	49.37	1.0	*50*	*0*	*98.7*	*75-125*	*49.5*	*0.248*	*20*	

The following samples were analyzed in this batch: 14030923-01A 14030923-02A 14030923-03A 14030923-04A 14030923-05A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R163487** Instrument ID **VOA6** Method: **SW8260**

MBLK Sample ID: **VBLKW-140326-R163487** Units: **µg/L** Analysis Date: **3/26/2014 12:11 PM**
Client ID: Run ID: **VOA6_140326A** SeqNo: **3578589** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	U	1.0								
2-Butanone	U	2.0								
Benzene	U	1.0								
Trichloroethene	U	1.0								
Surr: 1,2-Dichloroethane-d4	49.33	1.0	*50*	*0*	*98.7*	*71-125*	*0*			
Surr: 4-Bromofluorobenzene	49.94	1.0	*50*	*0*	*99.9*	*70-125*	*0*			
Surr: Dibromofluoromethane	49.88	1.0	*50*	*0*	*99.8*	*74-125*	*0*			
Surr: Toluene-d8	48.7	1.0	*50*	*0*	*97.4*	*75-125*	*0*			

LCS Sample ID: **VLCSW-140326-R163487** Units: **µg/L** Analysis Date: **3/26/2014 10:34 AM**
Client ID: Run ID: **VOA6_140326A** SeqNo: **3578588** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	43.6	1.0	50	0	87.2	79-120				
2-Butanone	98.58	2.0	100	0	98.6	60-140				
Benzene	46.12	1.0	50	0	92.2	80-120				
Trichloroethene	47.66	1.0	50	0	95.3	75-125				
Surr: 1,2-Dichloroethane-d4	47.69	1.0	*50*	*0*	*95.4*	*71-125*	*0*			
Surr: 4-Bromofluorobenzene	51.1	1.0	*50*	*0*	*102*	*70-125*	*0*			
Surr: Dibromofluoromethane	49.75	1.0	*50*	*0*	*99.5*	*74-125*	*0*			
Surr: Toluene-d8	49.46	1.0	*50*	*0*	*98.9*	*75-125*	*0*			

MS Sample ID: **14030898-07AMS** Units: **µg/L** Analysis Date: **3/26/2014 02:15 PM**
Client ID: Run ID: **VOA6_140326A** SeqNo: **3578656** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	47.98	1.0	50	0	96	79-120				
2-Butanone	142.5	2.0	100	0	142	60-140				S
Benzene	60.92	1.0	50	19.77	82.3	80-120				
Trichloroethene	44.09	1.0	50	0	88.2	75-125				
Surr: 1,2-Dichloroethane-d4	51.31	1.0	*50*	*0*	*103*	*71-125*	*0*			
Surr: 4-Bromofluorobenzene	51.36	1.0	*50*	*0*	*103*	*70-125*	*0*			
Surr: Dibromofluoromethane	48.37	1.0	*50*	*0*	*96.7*	*74-125*	*0*			
Surr: Toluene-d8	49.63	1.0	*50*	*0*	*99.3*	*75-125*	*0*			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Golder Associates, Inc.
Work Order: 14030923
Project: 0303116 USOR PRP

QC BATCH REPORT

Batch ID: **R163487** Instrument ID **VOA6** Method: **SW8260**

MSD Sample ID: **14030898-07AMSD** Units: **µg/L** Analysis Date: **3/26/2014 02:40 PM**

Client ID: Run ID: **VOA6_140326A** SeqNo: **3578657** Prep Date: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,2-Dichloroethane	50.98	1.0	50	0	102	79-120	47.98	6.06	20	
2-Butanone	152.8	2.0	100	0	153	60-140	142.5	6.96	20	S
Benzene	67.98	1.0	50	19.77	96.4	80-120	60.92	10.9	20	
Trichloroethene	53.05	1.0	50	0	106	75-120	44.09	18.4	20	
Surr: 1,2-Dichloroethane-d4	49.36	1.0	*50*	*0*	*98.7*	*71-125*	*51.31*	*3.88*	*20*	
Surr: 4-Bromofluorobenzene	51.82	1.0	*50*	*0*	*104*	*70-125*	*51.36*	*0.896*	*20*	
Surr: Dibromofluoromethane	49.55	1.0	*50*	*0*	*99.1*	*74-125*	*48.37*	*2.4*	*20*	
Surr: Toluene-d8	49.85	1.0	*50*	*0*	*99.7*	*75-125*	*49.63*	*0.444*	*20*	

The following samples were analyzed in this batch: 14030923-06A 14030923-07A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Golder Associates, Inc.
Project: 0303116 USOR PRP
WorkOrder: **14030923**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Units Reported	Description
µg/L	Micrograms per Liter
mg/L	Milligrams per Liter

ALS Environmental

Sample Receipt Checklist

Client Name: **GOLDER-HOU** Date/Time Received: **25-Mar-14 10:00**

Work Order: **14030923** Received by: **JEM**

Checklist completed by Dane L. Wacasey 25-Mar-14 Reviewed by: Dane L. Wacasey 25-Mar-14
eSignature Date eSignature Date

Matrices: Water
Carrier name: Client

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	0.7, 0.8 C / 0.7, 0.8 C u/c	IR3	
Cooler(s)/Kit(s):	2903, 4311		
Date/Time sample(s) sent to storage:			
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

14030923

GOLDER-HOU: Golder Associates, Inc.

Project: 0303116 USOR PRP

Chain of Custody Form

Page 1 of 1

COC ID: 93803

Houston, TX +1 281 530 5656 | Spring City, PA +1 610 948 4903 | South Charleston, WV +1 304 356 3168
Middletown, PA +1 717 944 5541 | Salt Lake City, UT +1 801 266 7700 | York, PA +1 717 505 5280

Enu

ALS Project Manager: | ALS Work Order #:

			Project Information		Parameter/Method Request for Analysis
Purchase		e	USOR PRP	A	VOC (8260) - Select List (4cmpds)
Work Order		Project Number	0303116	B	SVOC (8270) - Total Cresols
Company Name	Golder Associates, Inc.	Bill To Company	Golder Associates, Inc.	C	
Send Report To	Scott Outwater	Invoice Attn	Scott Outwater	D	
Address	500 Century Plaza Drive Suite 190	Address	500 Century Plaza Drive Suite 190	E	
				F	
City/State/Zip	Houston, TX 77073	City/State/Zip	Houston, TX 77073	G	In Accordance with
Phone	(281) 821-6868	Phone	(281) 821-6868	H	Master Services Agreement
Fax	(281) 821-6870	Fax	(281) 821-6870	I	
e-Mail Address	Scott_Outwater@golder.com	e-Mail Address	brenda_collier@golder.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	BR-W-R1	3/24/14	1700	W	1-2-8	5	X	X									
2	BR-W-R2	↓	1730	↓	↓	5	X	X									
3	BR-E-R1	↓	1800	↓	↓	5	X	X									
4	BR-E-R2	↓	1830	↓	↓	5	X	X									
5	BR-EB-R	↓	1815	↓	↓	5	X	X									X
6	Dup	↓	—	↓	↓	5	X	X									X
7	Trip (TB)	↓	—	↓	↓	2	X										X
8																	
9																	
10																	

Hold and analyze No. 5, 6, and 7 on standard TAT. Analyze No. 1 Through 4 on 24 hr TAT

Sampler(s) Please Print & Sign: Scott Outwater, Scott Outwater

Shipment Method: Delivery

Required Turnaround Time: (Check Box) ☐ Std 10 WK Days ☐ 5 WK Days ☐ Other ☐ 2 WK Days ☑ 24 Hour

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
Scott Outwater	3/25/14	1000	
Relinquished by:	Date:	Time:	Received by (Laboratory): 3/25/14 1000
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: 1 DAY TAT — See note above

Cooler ID	Cooler Temp.
2903	
4311	

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other / EDD
☑ TRRP CheckList
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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ALS Environmental
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

CUSTODY SEAL

Date: 3/25/14 Time: 0900
Name: Scott Outwater
Company: Golder Associates

Seal Broken By:
Date: 3-25-14

ALS Environmental
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

CUSTODY SEAL

Date: 3/25/14 Time: 0900
Name: Scott Outwater
Company: Golder Associates

Seal Broken By:
Date: 3-25-14

Volatile Organics Raw Data

Golder Associates, Inc.
Project: 0303116 USOR PRP

ALS WO# HS14030923

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: ALS LABORATORY GROUP Contract:

Lab Code: ALS-HS Case No.: SAS No.: SDG No.: HS14030923

	CLIENT SAMPLE NO.	SMC1 #	SMC2 (DCE) #	SMC3 (TOL) #	OTHER #	TOT OUT
01	VLCSW-140325	99	95	98	102	0
02	VBLKW-140325	100	98	97	100	0
03	14030894-01AM	99	97	99	103	0
04	14030894-01AM	101	97	99	103	0
05	14030923-05A	99	99	97	100	0
06	14030923-01A	100	99	97	100	0
07	14030923-02A	98	100	96	100	0
08	14030923-03A	100	98	96	100	0
09	14030923-04A	101	100	96	99	0
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27						
28						

		QC LIMITS
SMC1	= Dibromofluoromethane	(71-125)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(70-125)
SMC3 (TOL)	= Toluene-d8	(75-125)
OTHER	= 4-Bromofluorobenzene	(72-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: ALS LABORATORY GROUP Contract:

Lab Code: ALS-HS Case No.: SAS No.: SDG No.: HS14030923

	CLIENT SAMPLE NO.	SMC1 #	SMC2 (DCE)#	SMC3 (TOL)#	OTHER #	TOT OUT
01	VLCSW-140326	99	95	99	102	0
02	VBLKW-140326	100	99	97	100	0
03	14030923-07A	96	98	96	98	0
04	14030923-06A	100	99	95	99	0
05	14030898-07AM	97	103	99	103	0
06	14030898-07AM	99	99	100	104	0
07						
08						
09						
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		QC LIMITS
SMC1	= Dibromofluoromethane	(71-125)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(70-125)
SMC3 (TOL)	= Toluene-d8	(75-125)
OTHER	= 4-Bromofluorobenzene	(72-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 3
WATER VOLATILE METHOD SPIKE RECOVERY

Lab Name: ALS LABORATORY GROUP Contract:

Lab Code: ALS-HS Case No.: SAS No.: SDG No.: HS14030923

Matrix Spike - Sample No.: VSTD050

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE AMOUNT ()	% REC #	QC. LIMITS REC.
1,2-Dichloroethane	50.00	47.39	95	80-120
2-Butanone	100.00	93.45	93	80-120
Trichloroethene	50.00	48.25	96	80-120
Benzene	50.00	45.87	92	80-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

_____

FORM III VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: ALS LABORATORY GROUP Contract:

Lab Code: ALS-HS Case No.: SAS No.: SDG No.: HS14030923

Lab File ID: X031401 BFB Injection Date: 03/14/14

Instrument ID: VOA6 BFB Injection Time: 1023

GC Column: DB624 ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.9
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.6 (0.8)1
174	Greater than 50.0% of mass 95	82.0
175	5.0 - 9.0% of mass 174	6.0 (7.3)1
176	95.0 - 101.0% of mass 174	78.6 (95.8)1
177	5.0 - 9.0% of mass 176	5.4 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD00.5	VSTD00.5	X031402	03/14/14	1035
02	VSTD00.5	VSTD00.5	X031403	03/14/14	1101
03	VSTD001	VSTD001	X031404	03/14/14	1127
04	VSTD002	VSTD002	X031405	03/14/14	1152
05	VSTD005	VSTD005	X031406	03/14/14	1218
06	VSTD010	VSTD010	X031407	03/14/14	1244
07	VSTD020	VSTD020	X031408	03/14/14	1310
08	VSTD050	VSTD050	X031409	03/14/14	1335
09	VSTD100	VSTD100	X031410	03/14/14	1401
10	VSTD150	VSTD150	X031411	03/14/14	1427
11	VSTD200	VSTD200	X031412	03/14/14	1453
12	VSTD050	VSTD050	X031413	03/14/14	1610
13					
14					
15					
16					
17					
18					
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21					
22					

FORM V VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: ALS LABORATORY GROUP Contract:

Lab Code: ALS-HS Case No.: SAS No.: SDG No.: HS14030923

Lab File ID: X032501 BFB Injection Date: 03/25/14

Instrument ID: VOA6 BFB Injection Time: 0824

GC Column: DB624 ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.1
75	30.0 - 60.0% of mass 95	46.8
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	0.6 (0.7)1
174	Greater than 50.0% of mass 95	81.7
175	5.0 - 9.0% of mass 174	5.8 (7.1)1
176	95.0 - 101.0% of mass 174	79.0 (96.8)1
177	5.0 - 9.0% of mass 176	5.2 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	X032502	03/25/14	0836
02	VLCSW-140325	VLCSW-140325	X032503	03/25/14	0902
03	VBLKW-140325	VBLKW-140325	X032505	03/25/14	1041
04	14030894-01A	14030894-01AMS	X032509	03/25/14	1223
05	14030894-01A	14030894-01AMS	X032510	03/25/14	1248
06	14030923-05A	14030923-05A	X032512	03/25/14	1340
07	14030923-01A	14030923-01A	X032513	03/25/14	1403
08	14030923-02A	14030923-02A	X032514	03/25/14	1427
09	14030923-03A	14030923-03A	X032515	03/25/14	1450
10	14030923-04A	14030923-04A	X032516	03/25/14	1513
11					
12					
13					
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FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: ALS LABORATORY GROUP Contract:

Lab Code: ALS-HS Case No.: SAS No.: SDG No.: HS14030923

Lab File ID: X032601 BFB Injection Date: 03/26/14

Instrument ID: VOA6 BFB Injection Time: 1000

GC Column: DB624 ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.9
75	30.0 - 60.0% of mass 95	46.2
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	0.6 (0.7)1
174	Greater than 50.0% of mass 95	82.6
175	5.0 - 9.0% of mass 174	6.1 (7.4)1
176	95.0 - 101.0% of mass 174	80.6 (97.6)1
177	5.0 - 9.0% of mass 176	5.3 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	X032602	03/26/14	1008
02	VLCSW-140326	VLCSW-140326	X032603	03/26/14	1034
03	VBLKW-140326	VBLKW-140326	X032605	03/26/14	1211
04	14030923-07A	14030923-07A	X032606	03/26/14	1237
05	14030923-06A	14030923-06A	X032607	03/26/14	1259
06	14030898-07A	14030898-07AMS	X032610	03/26/14	1415
07	14030898-07A	14030898-07AMS	X032611	03/26/14	1440
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FORM V VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: ALS LABORATORY GROUP Contract:

Lab Code: ALS-HS Case No.: SAS No.: SDG No.: HS14030923

Instrument ID: VOA6 Calibration Date(s): 03/14/14 03/14/14

Column: DB624 ID: 0.18 (mm) Calibration Time(s): 1101 1453

LAB FILE ID: RF0.5: X031403 RF1: X031404 RF2: X031405
RF5: X031406 RF10: X031407 RF20: X031408

COMPOUND	RF0.5	RF1	RF2	RF5	RF10	RF20
1,2-Dichloroethane	0.494	0.381	0.352	0.368	0.356	0.337
2-Butanone	0.241	0.162	0.144	0.166	0.149	0.154
Trichloroethene	0.339	0.265	0.258	0.276	0.267	0.264
Benzene	1.442	1.074	1.029	1.029	0.987	0.954
Dibromofluoromethane	0.484	0.482	0.477	0.484	0.480	0.472
1,2-Dichloroethane-d4	0.583	0.576	0.566	0.575	0.555	0.558
Toluene-d8	1.259	1.239	1.254	1.280	1.278	1.290
4-Bromofluorobenzene	0.474	0.468	0.477	0.488	0.488	0.484

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: ALS LABORATORY GROUP Contract:

Lab Code: ALS-HS Case No.: SAS No.: SDG No.: HS1403092

Instrument ID: VOA6 Calibration Date(s): 03/14/14 03/14/14

Column: DB624 ID: 0.18 (mm) Calibration Time(s): 1101 1453

LAB FILE ID: RF50: X031409 RF100: X031410 RF150: X031411
RF200: X031412

COMPOUND	RF50	RF100	RF150	RF200
1,2-Dichloroethane	0.339	0.338	0.346	0.347
2-Butanone	0.155	0.149	0.167	0.158
Trichloroethene	0.262	0.269	0.281	0.274
Benzene	0.947	0.965	1.007	0.967
Dibromofluoromethane	0.477	0.474	0.467	0.468
1,2-Dichloroethane-d4	0.554	0.538	0.514	0.501
Toluene-d8	1.268	1.277	1.268	1.291
4-Bromofluorobenzene	0.484	0.488	0.483	0.482

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: ALS LABORATORY GROUP Contract:

Lab Code: ALS-HS Case No.: SAS No.: SDG No.: HS1403092

Instrument ID: VOA6 Calibration Date(s): 03/14/14 03/14/14

Column: DB624 ID: 0.18 (mm) Calibration Time(s): 1101 1453

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2
1,2-Dichloroethane	AVRG	0.36579399	12.871	15.000
2-Butanone	AVRG	0.16454906	16.957	15.000
Trichloroethene	AVRG	0.27562509	8.452	15.000
Benzene	AVRG	1.04032232	14.089	15.000
Dibromofluoromethane	AVRG	0.47643077	1.299	15.000
1,2-Dichloroethane-d4	AVRG	0.55200249	4.876	15.000
Toluene-d8	AVRG	1.27044930	1.280	15.000
4-Bromofluorobenzene	AVRG	0.48151166	1.406	15.000

FORM VI VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: ALS LABORATORY GROUP Contract:

Lab Code: ALS-HS Case No.: SAS No.: SDG No.: HS14030923

Instrument ID: VOA6 Calibration Date: 03/25/14 Time: 0836

Lab File ID: X032502 Init. Calib. Date(s): 03/14/14 03/14/14

Init. Calib. Times: 1101 1453

GC Column: DB624 ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
1,2-Dichloroethane	0.3660000	0.3081021	0.1	15.82	20.00	AVRG
2-Butanone	0.1640000	0.1715246	0.1	-4.59	20.00	AVRG
Trichloroethene	0.2760000	0.2662708	0.2	3.52	20.00	AVRG
Benzene	1.0400000	0.9969468	0.5	4.14	20.00	AVRG
Dibromofluoromethane	0.4760000	0.4607826	0.1	3.20	20.00	AVRG
1,2-Dichloroethane-d4	0.5520000	0.5003385	0.1	9.36	20.00	AVRG
Toluene-d8	1.2700000	1.2684663	0.1	0.12	20.00	AVRG
4-Bromofluorobenzene	0.4820000	0.4983570	0.1	-3.39	20.00	AVRG

FORM VII VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: ALS LABORATORY GROUP Contract:

Lab Code: ALS-HS Case No.: SAS No.: SDG No.: HS14030923

Instrument ID: VOA6 Calibration Date: 03/26/14 Time: 1008

Lab File ID: X032602 Init. Calib. Date(s): 03/14/14 03/14/14

Init. Calib. Times: 1101 1453

GC Column: DB624 ID: 0.18 (mm)

COMPOUND	RRF OR AMOUNT	RRF50.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
1,2-Dichloroethane	0.3660000	0.3297263	0.1	9.91	20.00	AVRG
2-Butanone	0.1640000	0.1550010	0.1	5.49	20.00	AVRG
Trichloroethene	0.2760000	0.2613593	0.2	5.30	20.00	AVRG
Benzene	1.0400000	0.9600313	0.5	7.69	20.00	AVRG
Dibromofluoromethane	0.4760000	0.4733850	0.1	0.55	20.00	AVRG
1,2-Dichloroethane-d4	0.5520000	0.5298982	0.1	4.00	20.00	AVRG
Toluene-d8	1.2700000	1.2549095	0.1	1.19	20.00	AVRG
4-Bromofluorobenzene	0.4820000	0.4929788	0.1	-2.28	20.00	AVRG

FORM VII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ALS LABORATORY GROUP Contract:

Lab Code: ALS-HS Case No.: SAS No.: SDG No.: HS14030923

Lab File ID (Standard): X032502 Date Analyzed: 03/25/14

Instrument ID: VOA6 Time Analyzed: 0836

GC Column: DB624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1 AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	412075	4.48	607224	5.23	580937	7.88
	UPPER LIMIT	824150	4.98	1214448	5.73	1161874	8.38
	LOWER LIMIT	206038	3.98	303612	4.73	290469	7.38
	CLIENT SAMPLE NO.						
01	VLCSW-140325	437118	4.48	649255	5.23	618669	7.88
02	VBLKW-140325	430615	4.48	638354	5.23	617815	7.88
03	14030894-01AM	447186	4.48	659127	5.23	630948	7.88
04	14030894-01AM	431220	4.48	646495	5.23	614439	7.88
05	14030923-05A	429847	4.48	632250	5.23	616438	7.88
06	14030923-01A	434550	4.48	646885	5.23	622800	7.88
07	14030923-02A	436624	4.48	651793	5.23	635358	7.88
08	14030923-03A	431724	4.48	643130	5.23	621900	7.88
09	14030923-04A	433826	4.48	649607	5.23	627739	7.88
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ALS LABORATORY GROUP Contract:

Lab Code: ALS-HS Case No.: SAS No.: SDG No.: HS14030923

Lab File ID (Standard): X032502 Date Analyzed: 03/25/14

Instrument ID: VOA6 Time Analyzed: 0836

GC Column: DB624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	305320	9.87				
	UPPER LIMIT	610640	10.37				
	LOWER LIMIT	152660	9.37				
	CLIENT SAMPLE NO.						
01	VLCSW-140325	321878	9.87				
02	VBLKW-140325	303722	9.87				
03	14030894-01AM	331737	9.87				
04	14030894-01AM	324336	9.87				
05	14030923-05A	311575	9.87				
06	14030923-01A	312189	9.87				
07	14030923-02A	313711	9.87				
08	14030923-03A	312089	9.87				
09	14030923-04A	312435	9.87				
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

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

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ALS LABORATORY GROUP Contract:

Lab Code: ALS-HS Case No.: SAS No.: SDG No.: HS14030923

Lab File ID (Standard): X032602 Date Analyzed: 03/26/14

Instrument ID: VOA6 Time Analyzed: 1008

GC Column: DB624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1 AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	453823	4.48	672752	5.23	642628	7.88
	UPPER LIMIT	907646	4.98	1345504	5.73	1285256	8.38
	LOWER LIMIT	226912	3.98	336376	4.73	321314	7.38
	CLIENT SAMPLE NO.						
01	VLCSW-140326	444869	4.48	659664	5.23	630657	7.88
02	VBLKW-140326	445279	4.48	658935	5.23	633660	7.88
03	14030923-07A	446420	4.48	657254	5.23	637557	7.88
04	14030923-06A	443378	4.48	654764	5.23	642114	7.88
05	14030898-07AM	435857	4.48	677794	5.23	641027	7.88
06	14030898-07AM	419125	4.48	622987	5.23	595061	7.88
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ALS LABORATORY GROUP Contract:

Lab Code: ALS-HS Case No.: SAS No.: SDG No.: HS14030923

Lab File ID (Standard): X032602 Date Analyzed: 03/26/14

Instrument ID: VOA6 Time Analyzed: 1008

GC Column: DB624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	331335	9.87				
	UPPER LIMIT	662670	10.37				
	LOWER LIMIT	165668	9.37				
	CLIENT SAMPLE NO.						
01	VLCSW-140326	329236	9.87				
02	VBLKW-140326	315797	9.87				
03	14030923-07A	310527	9.87				
04	14030923-06A	317652	9.87				
05	14030898-07AM	340093	9.87				
06	14030898-07AM	314625	9.87				
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

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

MSVOA06 -Logbook

Batch: 12317
Date: 03-14-2014
Method: 8260
Comments:

Analyst: Presenta Cabascango
Reviewer:
Laboratory: Houston

#	Samp ID	Type	Analyzed	DF	Init Wt/Vol	Final Vol	File ID	Matrix	Status	pH
1	BFB	BFB	03-14-2014 10:23 am	1.00	50 mL	50 mL	X031401.D	Liquid	Y	NA
2	VSTD00.5	CALIB_1	03-14-2014 10:35 am	1.00	50 mL	50 mL	X031402.D	Liquid	N	NA
	not used									
3	VSTD00.5	CALIB_1	03-14-2014 11:01 am	1.00	50 mL	50 mL	X031403.D	Liquid	Y	NA
4	VSTD001	CALIB_2	03-14-2014 11:27 am	1.00	50 mL	50 mL	X031404.D	Liquid	Y	NA
5	VSTD002	CALIB_3	03-14-2014 11:52 am	1.00	50 mL	50 mL	X031405.D	Liquid	Y	NA
6	VSTD005	CALIB_4	03-14-2014 12:18 pm	1.00	50 mL	50 mL	X031406.D	Liquid	Y	NA
7	VSTD010	CALIB_5	03-14-2014 12:44 pm	1.00	50 mL	50 mL	X031407.D	Liquid	Y	NA
8	VSTD020	CALIB_6	03-14-2014 01:10 pm	1.00	50 mL	50 mL	X031408.D	Liquid	Y	NA
9	VSTD050	CALIB_7	03-14-2014 01:35 pm	1.00	50 mL	50 mL	X031409.D	Liquid	Y	NA
10	VSTD100	CALIB_8	03-14-2014 02:01 pm	1.00	50 mL	50 mL	X031410.D	Liquid	Y	NA
11	VSTD150	CALIB_9	03-14-2014 02:27 pm	1.00	50 mL	50 mL	X031411.D	Liquid	Y	NA
12	VSTD200	CALIB_10	03-14-2014 02:53 pm	1.00	50 mL	50 mL	X031412.D	Liquid	Y	NA
13	VSTD050	CCV	03-14-2014 04:10 pm	1.00	50 mL	50 mL	X031413.D	Liquid	Y	NA

Chemical	Value
SURR SPK ID	29021-09-03
IS ID	29021-09-03
ICV STD ID	29119-10-01
LCS/MS ID	29021-09-01/02
Pentafluorobenzene Response	409619
1,4-Difluorobenzene Response	605956
Chlorobenzene-d5 Response	559786
1,4-Dichlorobenzene-d4 Response	288833
BFB Ion 95 Response	114104
BFB ID	29119-09-05

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031401.D

Date : 14-MAR-2014 10:23

Client ID: BFB

Instrument: voa6.i

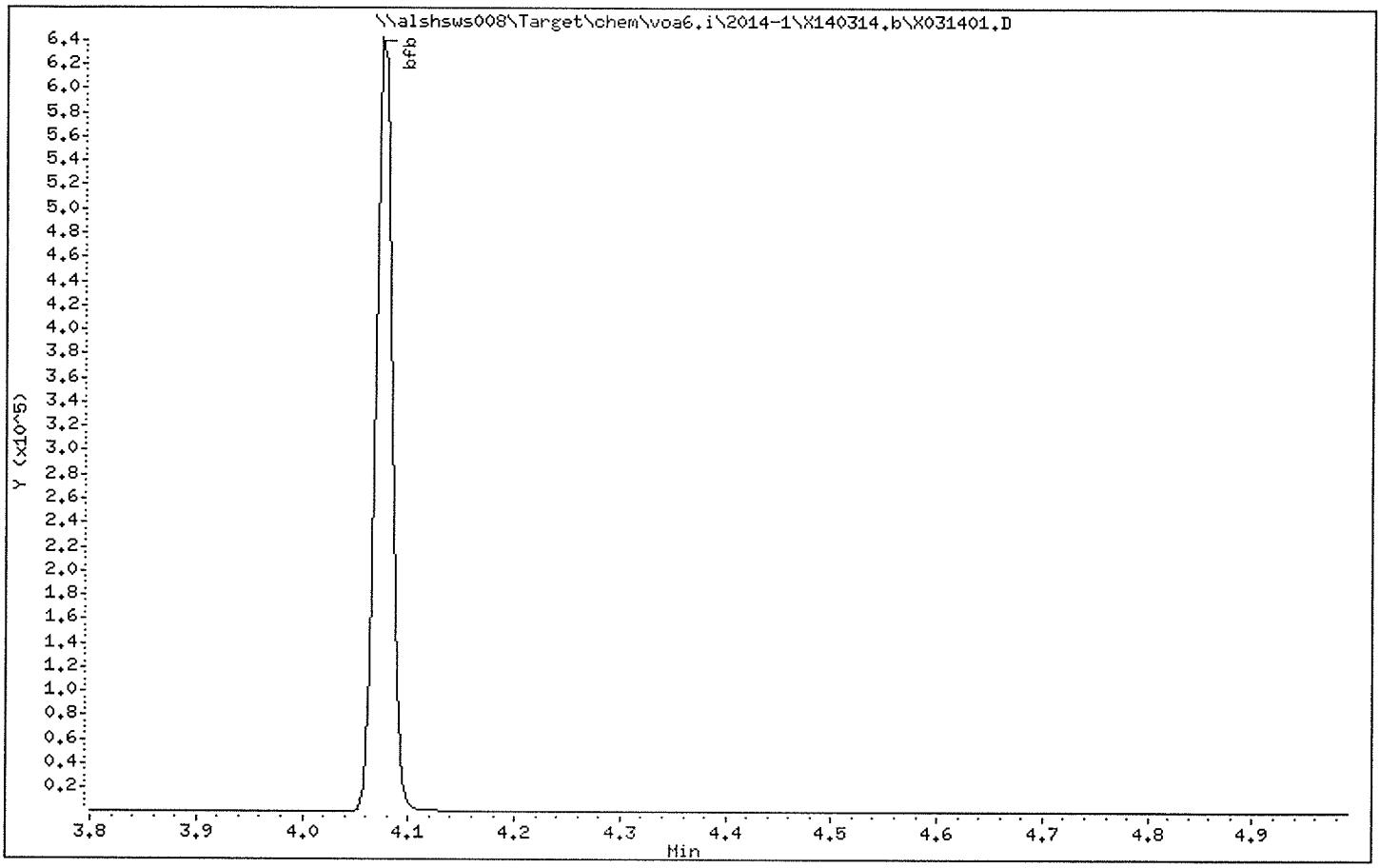
Sample Info: BFB;BFB;3;;

Volume Injected (uL): 2.0

Operator: PC

Column phase: DB624

Column diameter: 0.25



Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031401.D

Date : 14-MAR-2014 10:23

Client ID: BFB

Instrument: voa6.i

Sample Info: BFB;BFB;3;;

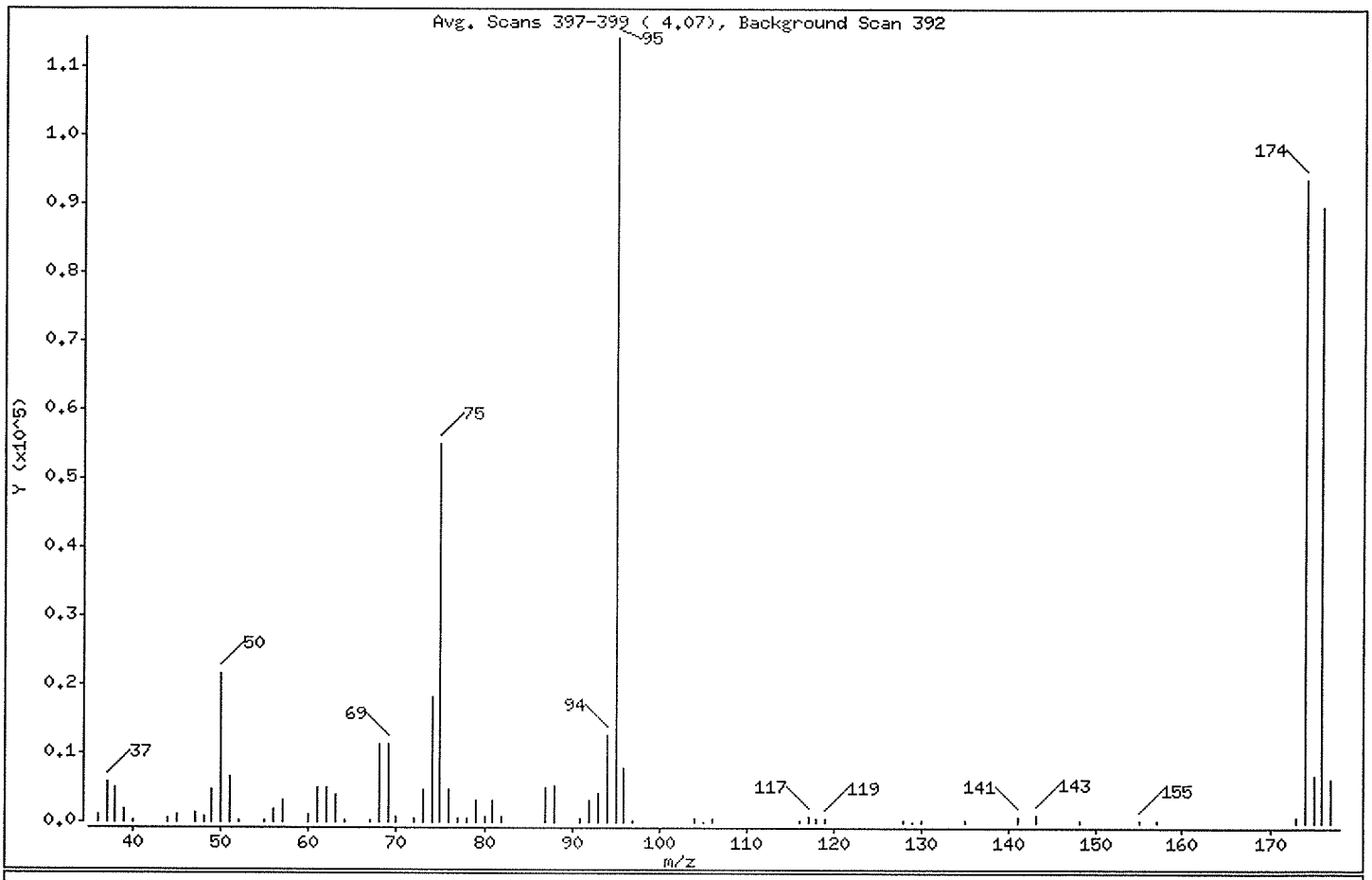
Volume Injected (uL): 2.0

Operator: PC

Column phase: DB624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.92
75	30.00 - 60.00% of mass 95	48.08
96	5.00 - 9.00% of mass 95	6.85
173	Less than 2.00% of mass 174	0.63 (0.77)
174	Greater than 50.00% of mass 95	82.04
175	5.00 - 9.00% of mass 174	6.00 (7.31)
176	95.00 - 101.00% of mass 174	78.56 (95.75)
177	5.00 - 9.00% of mass 176	5.45 (6.94)

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031401.D

Date : 14-MAR-2014 10:23

Client ID: BFB

Instrument: voa6.i

Sample Info: BFB;BFB;3;;

Volume Injected (uL): 2.0

Operator: PC

Column phase: DB624

Column diameter: 0.25

Data File: X031401.D
Spectrum: Avg. Scans 397-399 (4.07), Background Scan 392
Location of Maximum: 95.00
Number of points: 66

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1054	61.00	5055	81.00	3176	119.00	467
37.00	5816	62.00	5125	82.00	673	128.00	377
38.00	4949	63.00	3877	87.00	5118	129.00	69
39.00	1890	64.00	341	88.00	5138	130.00	352
40.00	149	67.00	268	91.00	409	135.00	161
44.00	546	68.00	11283	92.00	3051	141.00	917
45.00	991	69.00	11297	93.00	4272	143.00	1017
47.00	1406	70.00	834	94.00	12512	148.00	217
48.00	699	72.00	612	95.00	114104	155.00	188
49.00	4643	73.00	4688	96.00	7815	157.00	188
50.00	21584	74.00	18240	97.00	157	173.00	722
51.00	6654	75.00	54864	104.00	467	174.00	93616
52.00	364	76.00	4677	105.00	70	175.00	6843
55.00	310	77.00	617	106.00	480	176.00	89640
56.00	1718	78.00	498	116.00	386	177.00	6217
57.00	3066	79.00	3144	117.00	701		
60.00	1018	80.00	813	118.00	400		

ALS Laboratory Group

Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031402.D
Lab Smp Id: VSTD00.5 Client Smp ID: VSTD00.5
Inj Date : 14-MAR-2014 10:35
Operator : PC Inst ID: voa6.i
Smp Info : VSTD00.5;VSTD00.5;1;1;
Misc Info : 140123V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\8260W.m
Meth Date : 24-Oct-2014 11:09 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 13:35 Cal File: X031409.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

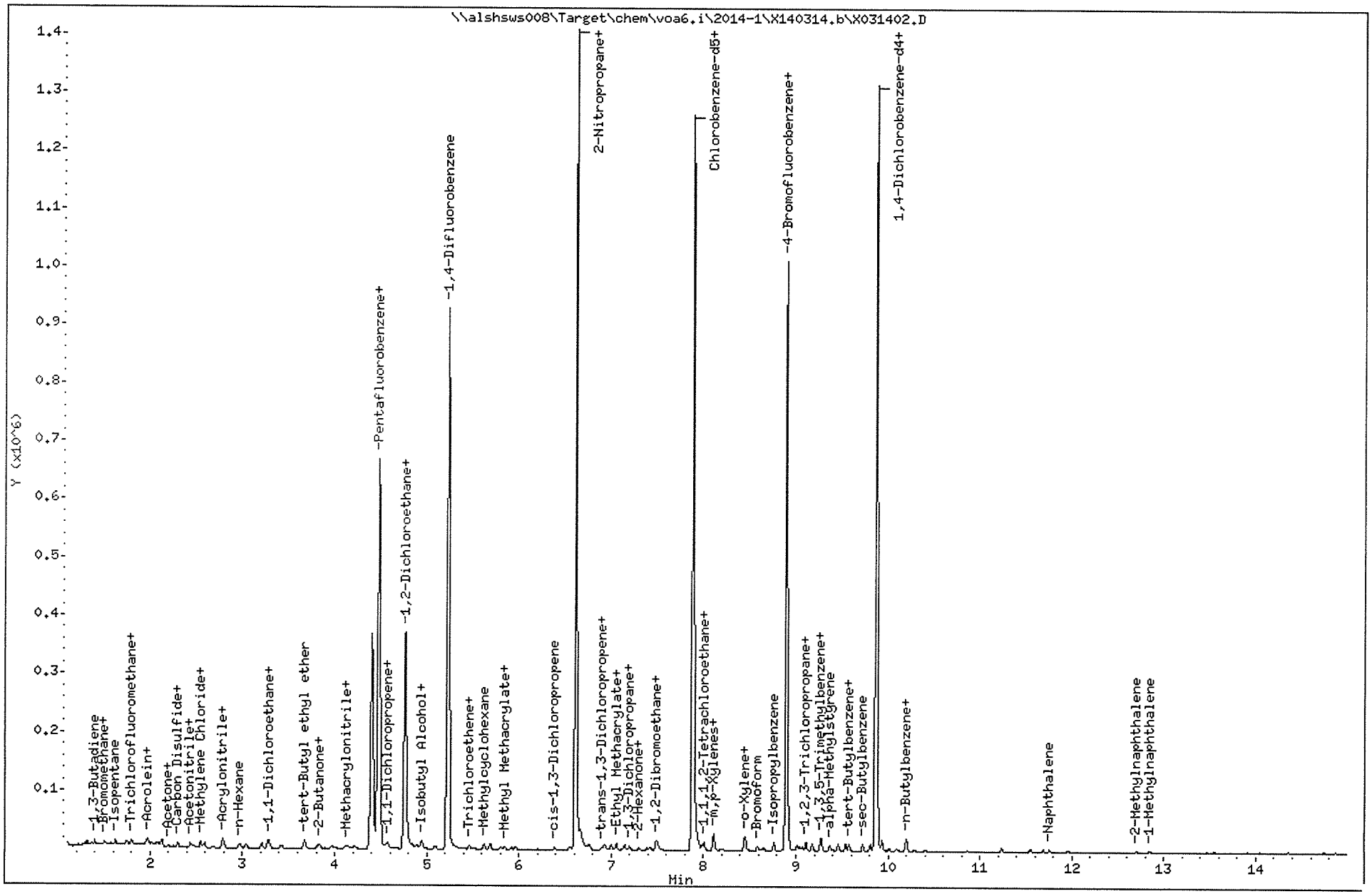
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1 Pentafluorobenzene	168	4.476	4.476	(1.000)	454633	50.0000	
$ 30 Dibromofluoromethane	113	4.404	4.404	(0.984)	221438	50.0000	51.11
$ 35 1,2-Dichloroethane-d4	65	4.762	4.762	(1.064)	262161	50.0000	52.23
* 36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	671984	50.0000	
* 47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	635465	50.0000	
$ 48 Toluene-d8	98	6.610	6.610	(0.839)	790715	50.0000	48.97
$ 69 4-Bromofluorobenzene	95	8.895	8.895	(1.129)	295764	50.0000	48.33
* 70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	304265	50.0000	
33 1,2-Dichloroethane	62	4.834	4.834	(0.925)	2984	0.50000	0.60(a)
24 2-Butanone	43	3.888	3.888	(0.869)	1770	1.00000	1.18(a)
37 Benzene	78	4.798	4.798	(0.918)	10213	0.50000	0.73(a)
38 Trichloroethene	130	5.464	5.464	(1.045)	1943	0.50000	0.52(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031402.D
Date : 14-MAR-2014 10:35
Client ID: VSTD00.5
Sample Info: VSTD00.5;VSTD00.5;1;1;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18



ALS Laboratory Group

Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031403.D
Lab Smp Id: VSTD00.5 Client Smp ID: VSTD00.5
Inj Date : 14-MAR-2014 11:01
Operator : PC Inst ID: voa6.i
Smp Info : VSTD00.5;VSTD00.5;1;1;
Misc Info : 140123V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\8260W.m
Meth Date : 24-Oct-2014 11:09 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 11:01 Cal File: X031403.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
* 1 Pentafluorobenzene	168	4.476	4.476	(1.000)	461942	50.0000	
$ 30 Dibromofluoromethane	113	4.404	4.404	(0.984)	223572	50.0000	50.75
$ 35 1,2-Dichloroethane-d4	65	4.755	4.755	(1.062)	269175	50.0000	52.83
* 36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	688209	50.0000	
* 47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	639401	50.0000	
$ 48 Toluene-d8	98	6.610	6.610	(0.839)	805120	50.0000	49.61
$ 69 4-Bromofluorobenzene	95	8.895	8.895	(1.129)	302847	50.0000	49.26
* 70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	319122	50.0000	
33 1,2-Dichloroethane	62	4.841	4.841	(0.926)	3399	0.50000	0.68(a)
24 2-Butanone	43	3.888	3.888	(0.869)	2227	1.00000	1.50(a)
37 Benzene	78	4.798	4.798	(0.918)	9922	0.50000	0.68(a)
38 Trichloroethene	130	5.464	5.464	(1.045)	2333	0.50000	0.62(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031403.D
Date : 14-MAR-2014 11:01
Client ID: VSTD00.5
Sample Info: VSTD00.5;VSTD00.5;1;1;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18

ALS Laboratory Group

Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031404.D
Lab Smp Id: VSTD001 Client Smp ID: VSTD001
Inj Date : 14-MAR-2014 11:27
Operator : PC Inst ID: voa6.i
Smp Info : VSTD001;VSTD001;1;2;
Misc Info : 140123V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\8260W.m
Meth Date : 24-Oct-2014 11:09 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 11:01 Cal File: X031403.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
*	1 Pentafluorobenzene	168	4.476	4.476	(1.000)	457158	50.0000	
$	30 Dibromofluoromethane	113	4.404	4.404	(0.984)	220307	50.0000	50.57
$	35 1,2-Dichloroethane-d4	65	4.762	4.762	(1.064)	263170	50.0000	52.14
*	36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	670823	50.0000	
*	47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	636300	50.0000	
$	48 Toluene-d8	98	6.611	6.611	(0.839)	788571	50.0000	48.77
$	69 4-Bromofluorobenzene	95	8.896	8.896	(1.129)	297525	50.0000	48.55
*	70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	313642	50.0000	
	33 1,2-Dichloroethane	62	4.841	4.841	(0.926)	5108	1.00000	1.04(a)
	24 2-Butanone	43	3.896	3.896	(0.870)	2972	2.00000	1.97(a)
	37 Benzene	78	4.798	4.798	(0.918)	14406	1.00000	1.03
	38 Trichloroethene	130	5.464	5.464	(1.045)	3554	1.00000	0.96(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031404.D
Date : 14-MAR-2014 11:27
Client ID: VSTD001
Sample Info: VSTD001;VSTD001;1;2;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18

ALS Laboratory Group

Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031405.D
Lab Smp Id: VSTD002 Client Smp ID: VSTD002
Inj Date : 14-MAR-2014 11:52
Operator : PC Inst ID: voa6.i
Smp Info : VSTD002;VSTD002;1;3;
Misc Info : 140123V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\8260W.m
Meth Date : 24-Oct-2014 11:09 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 11:27 Cal File: X031404.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
* 1 Pentafluorobenzene	168	4.476	4.476	(1.000)	464885	50.0000	
$ 30 Dibromofluoromethane	113	4.404	4.404	(0.984)	221949	50.0000	50.10
$ 35 1,2-Dichloroethane-d4	65	4.755	4.755	(1.062)	263314	50.0000	51.30
* 36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	684630	50.0000	
* 47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	644414	50.0000	
$ 48 Toluene-d8	98	6.611	6.611	(0.839)	808080	50.0000	49.35
$ 69 4-Bromofluorobenzene	95	8.896	8.896	(1.129)	307682	50.0000	49.57
* 70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	322981	50.0000	
33 1,2-Dichloroethane	62	4.841	4.841	(0.926)	9636	2.00000	1.92(a)
24 2-Butanone	43	3.889	3.889	(0.869)	5362	4.00000	3.50(a)
37 Benzene	78	4.798	4.798	(0.918)	28188	2.00000	1.97
38 Trichloroethene	130	5.464	5.464	(1.045)	7074	2.00000	1.87(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031405.D
Date : 14-MAR-2014 11:52
Client ID: VSTD002
Sample Info: VSTD002;VSTD002;1;3;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18

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Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031406.D
Lab Smp Id: VSTD005 Client Smp ID: VSTD005
Inj Date : 14-MAR-2014 12:18
Operator : PC Inst ID: voa6.i
Smp Info : VSTD005;VSTD005;1;4;
Misc Info : 140123V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\8260W.m
Meth Date : 24-Oct-2014 11:09 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 11:52 Cal File: X031405.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

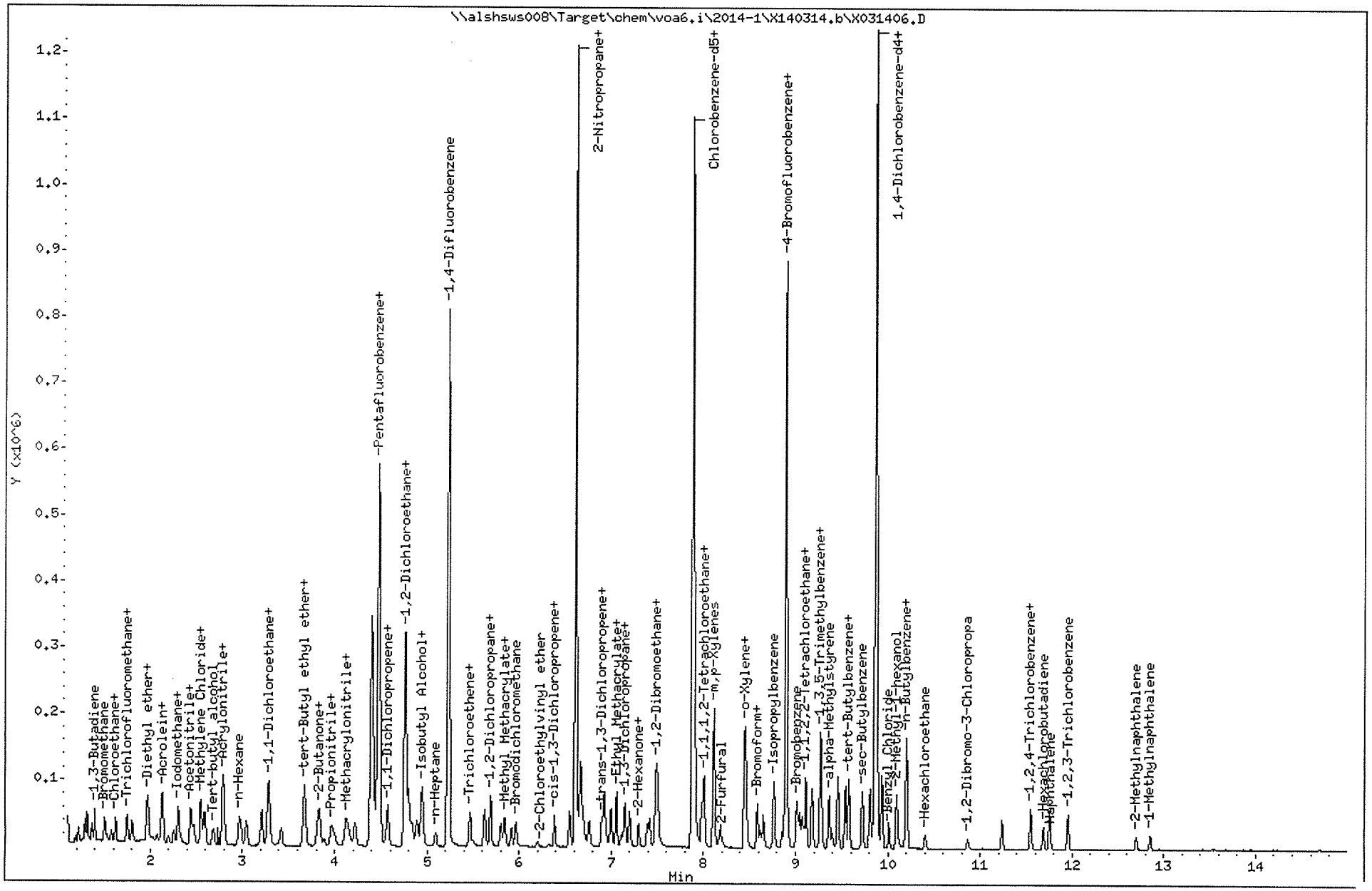
Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
* 1 Pentafluorobenzene	168	4.476	4.476	(1.000)	393279	50.0000	
$ 30 Dibromofluoromethane	113	4.404	4.404	(0.984)	190266	50.0000	50.77
$ 35 1,2-Dichloroethane-d4	65	4.762	4.762	(1.064)	226151	50.0000	52.08
* 36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	584274	50.0000	
* 47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	536020	50.0000	
$ 48 Toluene-d8	98	6.610	6.610	(0.839)	686119	50.0000	50.37
$ 69 4-Bromofluorobenzene	95	8.895	8.895	(1.129)	261411	50.0000	50.64
* 70 1,4-Dichlorobenzene-d4	152	9.869	9.869	(1.000)	274895	50.0000	
33 1,2-Dichloroethane	62	4.841	4.841	(0.926)	21482	5.00000	5.02
24 2-Butanone	43	3.888	3.888	(0.869)	13033	10.0000	10.06
37 Benzene	78	4.798	4.798	(0.918)	60144	5.00000	4.94
38 Trichloroethene	130	5.464	5.464	(1.045)	16159	5.00000	5.01

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031406.D
Date : 14-MAR-2014 12:18
Client ID: VSTD005
Sample Info: VSTD005;VSTD005;1;4;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18



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Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031407.D
Lab Smp Id: VSTD010 Client Smp ID: VSTD010
Inj Date : 14-MAR-2014 12:44
Operator : PC Inst ID: voa6.i
Smp Info : VSTD010;VSTD010;1;5;
Misc Info : 140123V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\8260W.m
Meth Date : 24-Oct-2014 11:09 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 12:18 Cal File: X031406.D
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

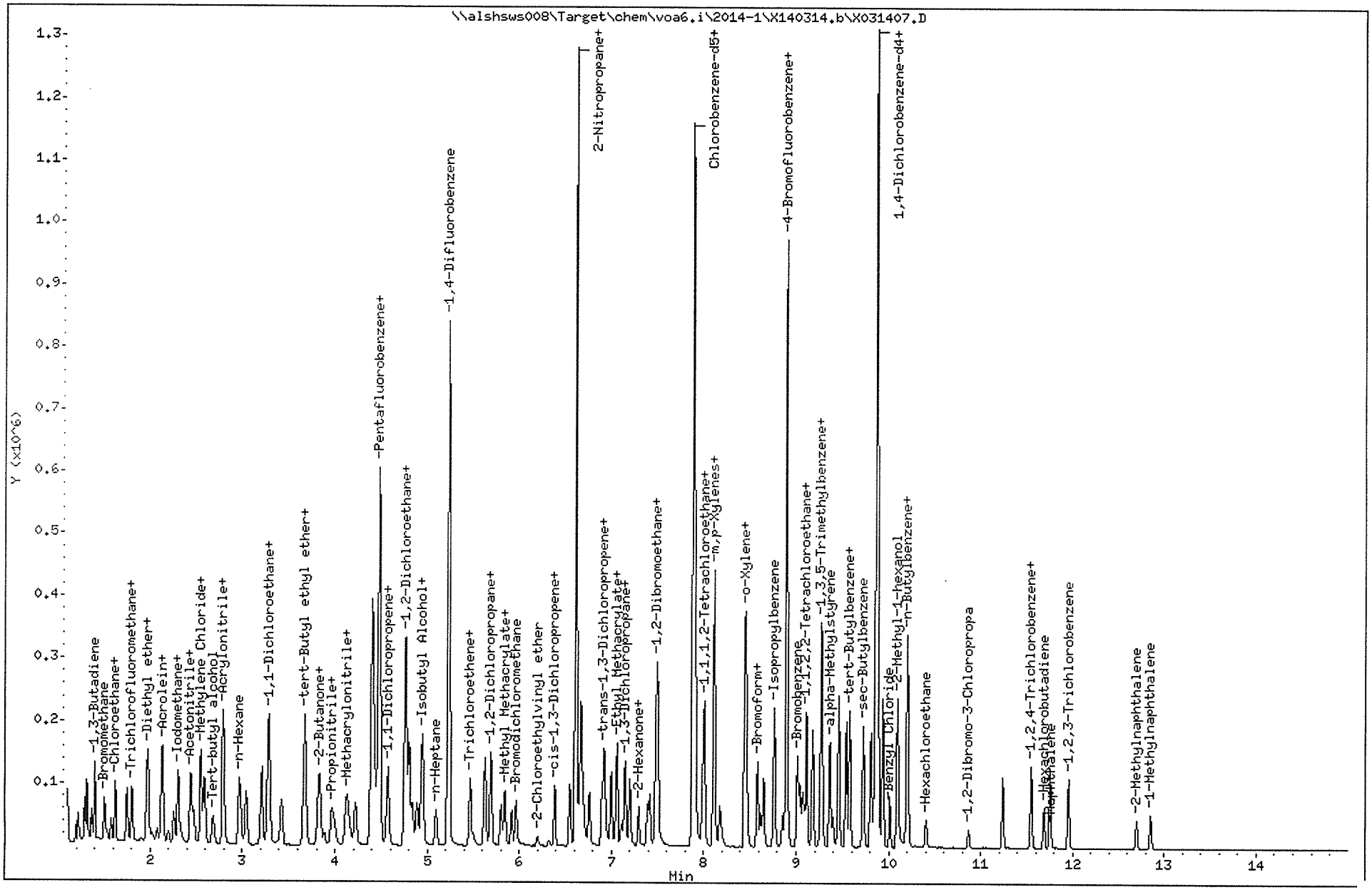
Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
*	1 Pentafluorobenzene	168	4.476	4.476	(1.000)	413489	50.0000	
$	30 Dibromofluoromethane	113	4.404	4.404	(0.984)	198299	50.0000	50.32
$	35 1,2-Dichloroethane-d4	65	4.755	4.755	(1.062)	229525	50.0000	50.27
*	36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	608983	50.0000	
*	47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	559405	50.0000	
$	48 Toluene-d8	98	6.611	6.611	(0.839)	715135	50.0000	50.31
$	69 4-Bromofluorobenzene	95	8.896	8.896	(1.129)	273243	50.0000	50.72
*	70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	286006	50.0000	
	33 1,2-Dichloroethane	62	4.841	4.841	(0.926)	43413	10.0000	9.74
	24 2-Butanone	43	3.881	3.881	(0.867)	24675	20.0000	18.13
	37 Benzene	78	4.798	4.798	(0.918)	120254	10.0000	9.49
	38 Trichloroethene	130	5.464	5.464	(1.045)	32502	10.0000	9.68

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031407.D
Date : 14-MAR-2014 12:44
Client ID: VSTD010
Sample Info: VSTD010;VSTD010;1;5;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18



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Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031408.D
Lab Smp Id: VSTD020 Client Smp ID: VSTD020
Inj Date : 14-MAR-2014 13:10
Operator : PC Inst ID: voa6.i
Smp Info : VSTD020;VSTD020;1;6;
Misc Info : 140123V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\8260W.m
Meth Date : 24-Oct-2014 11:09 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 12:44 Cal File: X031407.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

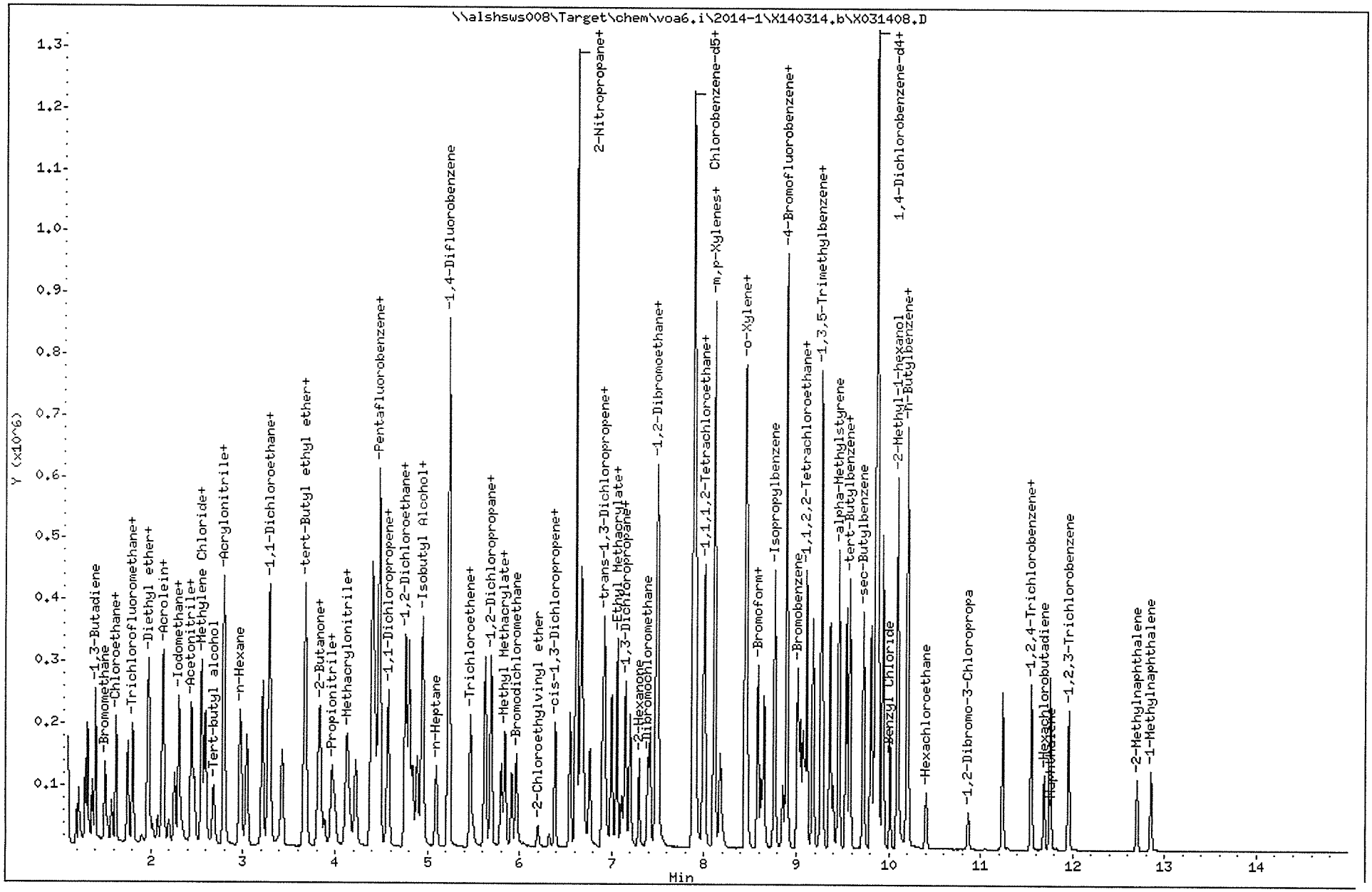
Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
* 1 Pentafluorobenzene	168	4.476	4.476	(1.000)	418163	50.0000	
$ 30 Dibromofluoromethane	113	4.404	4.404	(0.984)	197289	50.0000	49.51
$ 35 1,2-Dichloroethane-d4	65	4.755	4.755	(1.062)	233475	50.0000	50.57
* 36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	614964	50.0000	
* 47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	567891	50.0000	
$ 48 Toluene-d8	98	6.610	6.610	(0.839)	732749	50.0000	50.78
$ 69 4-Bromofluorobenzene	95	8.895	8.895	(1.129)	275022	50.0000	50.28
* 70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	296556	50.0000	
33 1,2-Dichloroethane	62	4.841	4.841	(0.926)	82987	20.0000	18.44
24 2-Butanone	43	3.881	3.881	(0.867)	51469	40.0000	37.40
37 Benzene	78	4.798	4.798	(0.918)	234788	20.0000	18.34
38 Trichloroethene	130	5.464	5.464	(1.045)	65022	20.0000	19.18

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031408.D
Date : 14-MAR-2014 13:10
Client ID: VSTD020
Sample Info: VSTD020;VSTD020;1;6;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18



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Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031409.D
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 14-MAR-2014 13:35
Operator : PC Inst ID: voa6.i
Smp Info : VSTD050;VSTD050;1;7;
Misc Info : 140123V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\8260W.m
Meth Date : 24-Oct-2014 11:09 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 13:10 Cal File: X031408.D
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

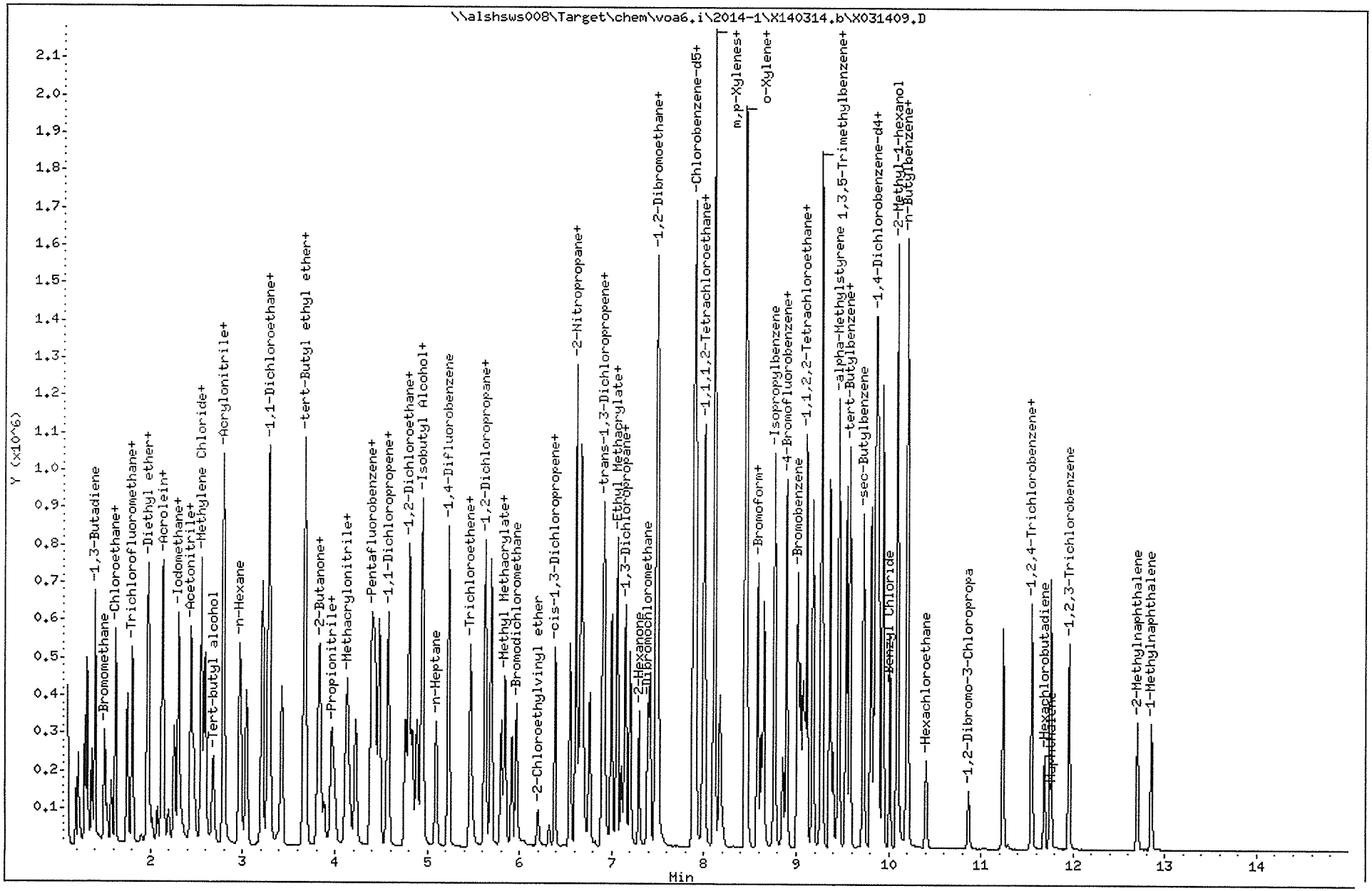
Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
* 1 Pentafluorobenzene	168	4.476	4.476	(1.000)	409619	50.0000	
$ 30 Dibromofluoromethane	113	4.404	4.404	(0.984)	195552	50.0000	50.10
$ 35 1,2-Dichloroethane-d4	65	4.755	4.755	(1.062)	226854	50.0000	50.16
* 36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	605956	50.0000	
* 47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	559786	50.0000	
$ 48 Toluene-d8	98	6.611	6.611	(0.839)	709859	50.0000	49.90
$ 69 4-Bromofluorobenzene	95	8.896	8.896	(1.129)	270780	50.0000	50.22
* 70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	288833	50.0000	
33 1,2-Dichloroethane	62	4.841	4.841	(0.926)	205651	50.0000	46.38
24 2-Butanone	43	3.882	3.882	(0.867)	127356	100.000	94.47
37 Benzene	78	4.798	4.798	(0.918)	574099	50.0000	45.53
38 Trichloroethene	130	5.465	5.465	(1.045)	158960	50.0000	47.58

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031409.D
Date : 14-MAR-2014 13:35
Client ID: VSTD050
Sample Info: VSTD050;VSTD050;1;7;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18



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Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031410.D
Lab Smp Id: VSTD100 Client Smp ID: VSTD100
Inj Date : 14-MAR-2014 14:01
Operator : PC Inst ID: voa6.i
Smp Info : VSTD100;VSTD100;1;8;
Misc Info : 140123V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\8260W.m
Meth Date : 24-Oct-2014 11:09 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 13:35 Cal File: X031409.D
Als bottle: 10 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

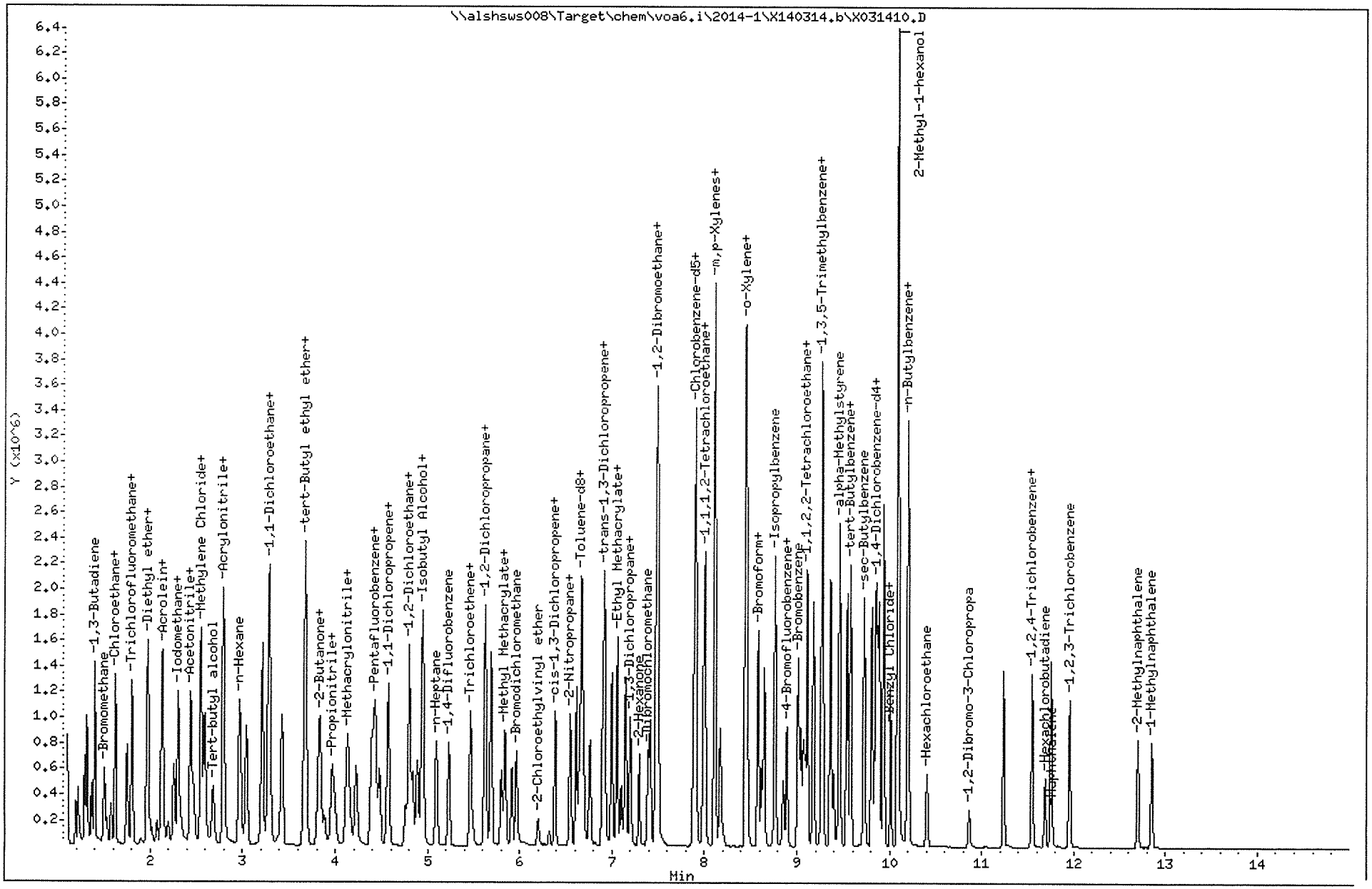
Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
* 1 Pentafluorobenzene	168	4.476	4.476	(1.000)	398187	50.0000	
$ 30 Dibromofluoromethane	113	4.404	4.404	(0.984)	188560	50.0000	49.69
$ 35 1,2-Dichloroethane-d4	65	4.762	4.762	(1.064)	214166	50.0000	48.71
* 36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	580199	50.0000	
* 47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	537224	50.0000	
$ 48 Toluene-d8	98	6.611	6.611	(0.839)	685929	50.0000	50.25
$ 69 4-Bromofluorobenzene	95	8.896	8.896	(1.129)	262052	50.0000	50.65
* 70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	276680	50.0000	
33 1,2-Dichloroethane	62	4.841	4.841	(0.926)	392637	100.000	92.50
24 2-Butanone	43	3.881	3.881	(0.867)	236763	200.000	180.67
37 Benzene	78	4.798	4.798	(0.918)	1119973	100.000	92.77
38 Trichloroethene	130	5.464	5.464	(1.045)	312634	100.000	97.74

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031410.D
Date : 14-MAR-2014 14:01
Client ID: VSTD100
Sample Info: VSTD100;VSTD100;1;8;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18



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Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031411.D
Lab Smp Id: VSTD150 Client Smp ID: VSTD150
Inj Date : 14-MAR-2014 14:27
Operator : PC Inst ID: voa6.i
Smp Info : VSTD150;VSTD150;1;9;
Misc Info : 140123V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\8260W.m
Meth Date : 24-Oct-2014 11:09 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 14:01 Cal File: X031410.D
Als bottle: 11 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

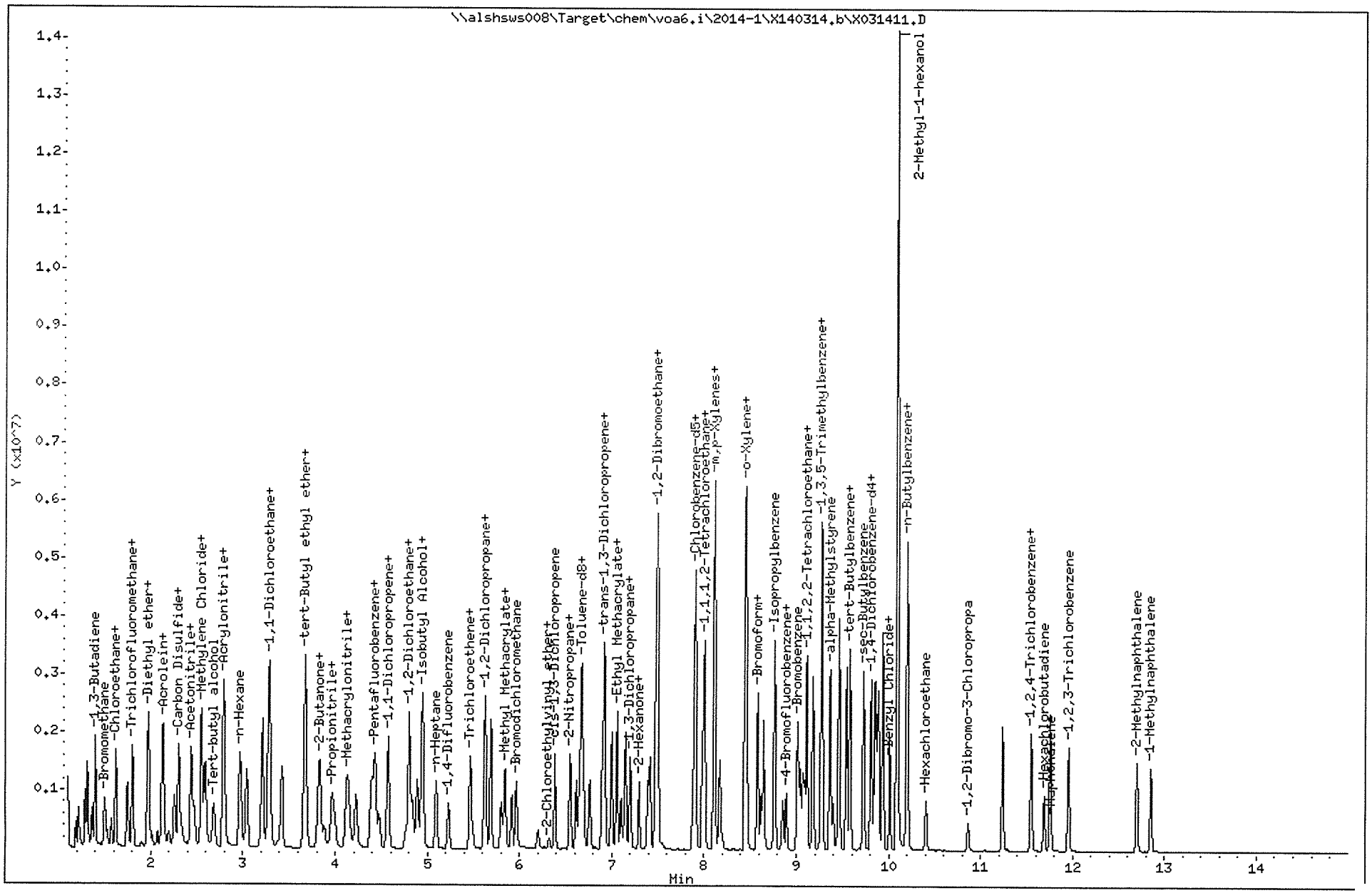
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
* 1 Pentafluorobenzene	168	4.476	4.476	(1.000)	385095	50.0000	
$ 30 Dibromofluoromethane	113	4.404	4.404	(0.984)	179827	50.0000	49.00
$ 35 1,2-Dichloroethane-d4	65	4.762	4.762	(1.064)	197832	50.0000	46.53
* 36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	562387	50.0000	
* 47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	524649	50.0000	
$ 48 Toluene-d8	98	6.610	6.610	(0.839)	665131	50.0000	49.89
$ 69 4-Bromofluorobenzene	95	8.895	8.895	(1.129)	253387	50.0000	50.15
* 70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	273007	50.0000	
33 1,2-Dichloroethane	62	4.841	4.841	(0.926)	583067	150.000	141.71
24 2-Butanone	43	3.881	3.881	(0.867)	385655	300.000	304.30
37 Benzene	78	4.798	4.798	(0.918)	1699383	150.000	145.23
38 Trichloroethene	130	5.464	5.464	(1.045)	474039	150.000	152.90

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031411.D
Date : 14-MAR-2014 14:27
Client ID: VSTD150
Sample Info: VSTD150;VSTD150;1;9;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i

Operator: PC
Column diameter: 0.18



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Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031412.D
Lab Smp Id: VSTD200 Client Smp ID: VSTD200
Inj Date : 14-MAR-2014 14:53
Operator : PC Inst ID: voa6.i
Smp Info : VSTD200;VSTD200;1;10;
Misc Info : 140123V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\8260W.m
Meth Date : 24-Oct-2014 11:09 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 14:27 Cal File: X031411.D
Als bottle: 12 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

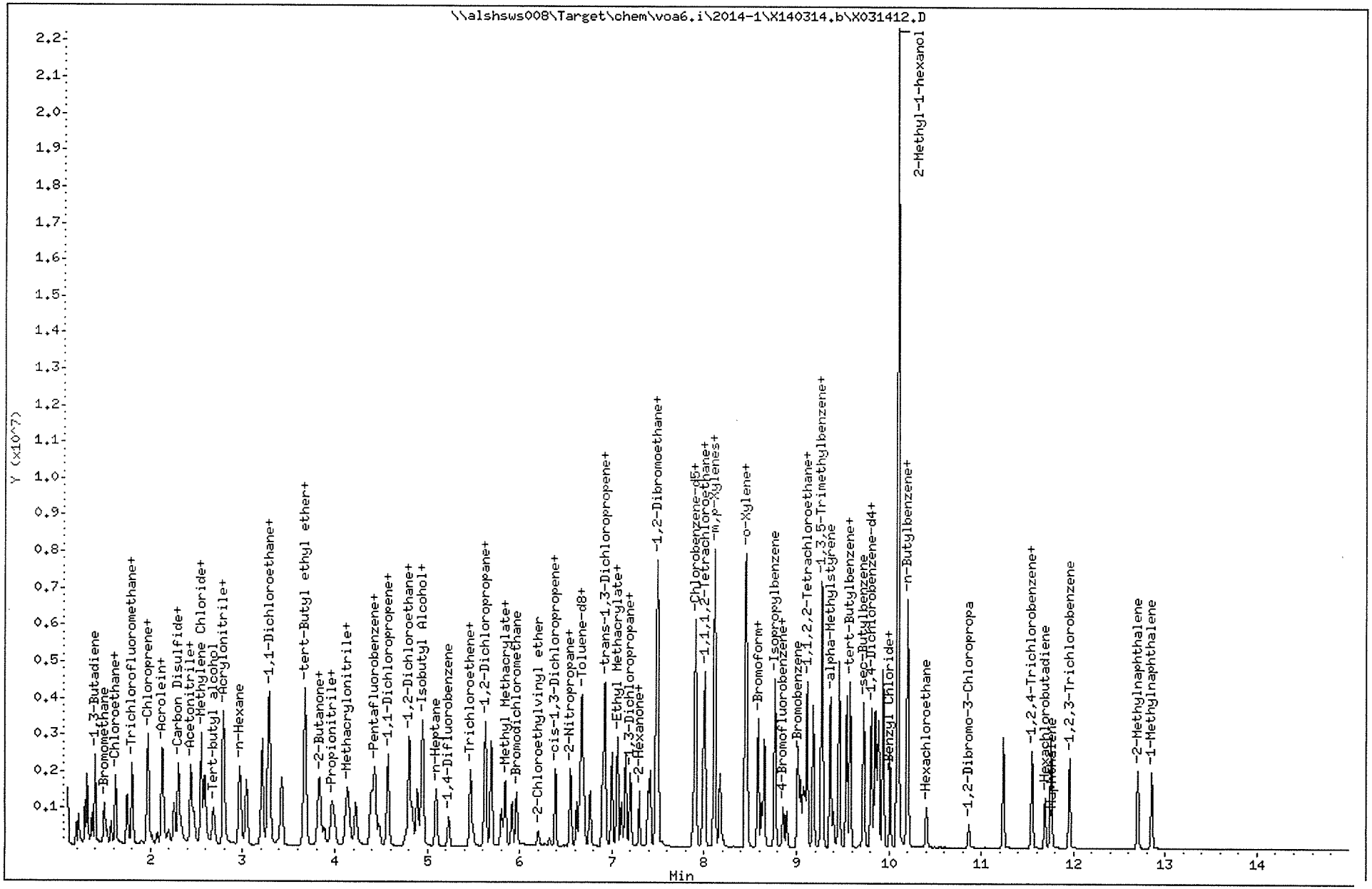
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
*	1 Pentafluorobenzene	168	4.476	4.476	(1.000)	381091	50.0000	
$	30 Dibromofluoromethane	113	4.404	4.404	(0.984)	178316	50.0000	49.10
$	35 1,2-Dichloroethane-d4	65	4.762	4.762	(1.064)	191075	50.0000	45.41
*	36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	560078	50.0000	
*	47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	516992	50.0000	
$	48 Toluene-d8	98	6.611	6.611	(0.839)	667264	50.0000	50.79
$	69 4-Bromofluorobenzene	95	8.896	8.896	(1.129)	248945	50.0000	50.00
*	70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	267551	50.0000	
	33 1,2-Dichloroethane	62	4.841	4.841	(0.926)	776588	200.000	189.52
	24 2-Butanone	43	3.881	3.881	(0.867)	481658	400.000	384.04
	37 Benzene	78	4.798	4.798	(0.918)	2167305	200.000	185.98
	38 Trichloroethene	130	5.464	5.464	(1.045)	612886	200.000	198.51

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031412.D
Date : 14-MAR-2014 14:53
Client ID: VSTD200
Sample Info: VSTD200;VSTD200;1;10;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i

Operator: PC
Column diameter: 0.18



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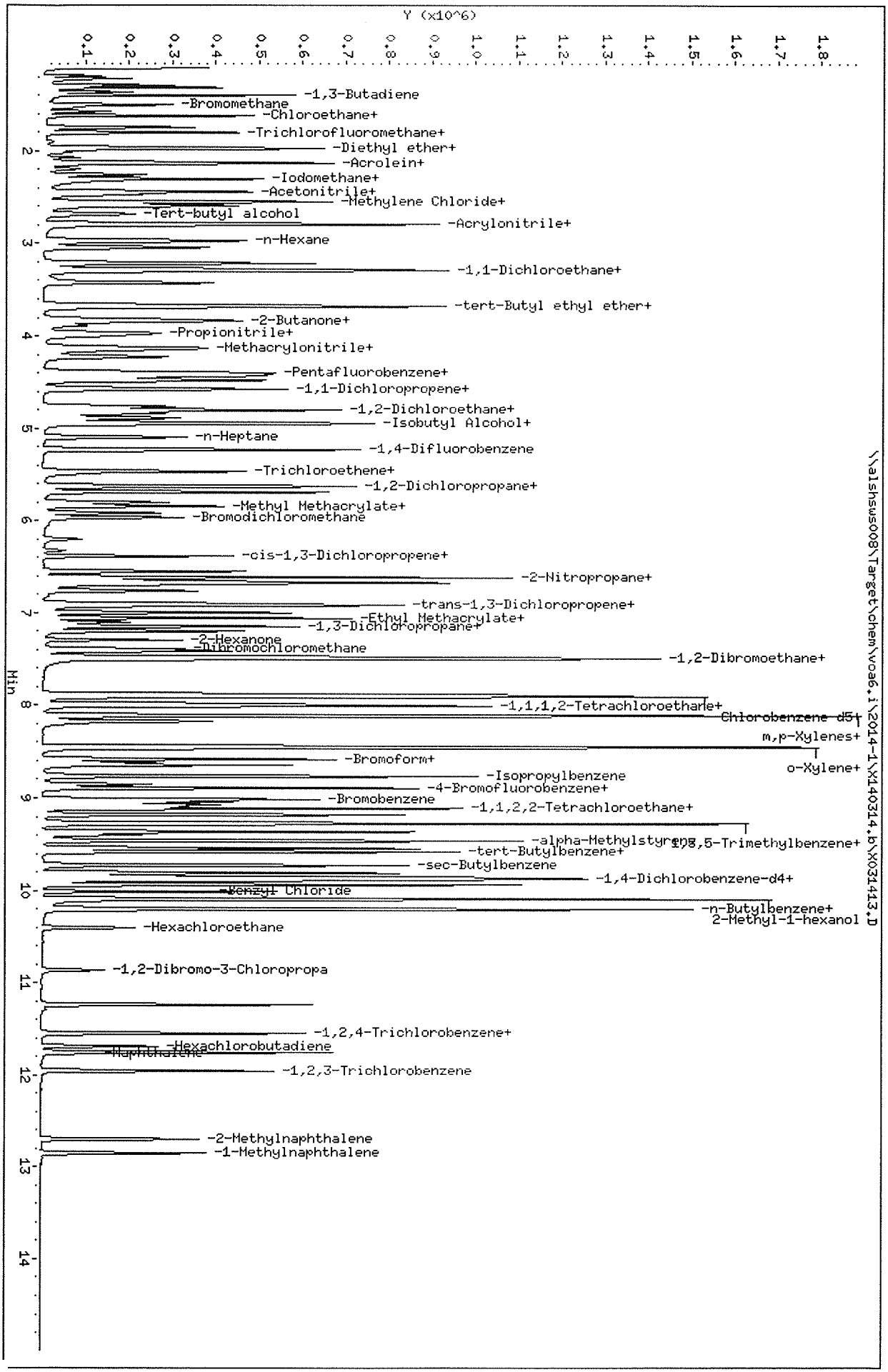
Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031413.D
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 14-MAR-2014 16:10
Operator : PC Inst ID: voa6.i
Smp Info : VSTD050;VSTD050;2;;
Misc Info : 140123V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\8260W.m
Meth Date : 24-Oct-2014 11:09 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 14:53 Cal File: X031412.D
Als bottle: 2 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
*	1 Pentafluorobenzene	168	4.483	4.476	(1.000)	356195	50.0000	
$	30 Dibromofluoromethane	113	4.404	4.404	(0.982)	168449	49.6307	49.63
$	35 1,2-Dichloroethane-d4	65	4.762	4.762	(1.062)	194724	49.5177	49.51
*	36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	524543	50.0000	
*	47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	490029	50.0000	
$	48 Toluene-d8	98	6.610	6.611	(0.839)	625861	50.2654	50.26
$	69 4-Bromofluorobenzene	95	8.895	8.896	(1.129)	240006	50.8585	50.85
*	70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	252695	50.0000	
	33 1,2-Dichloroethane	62	4.841	4.841	(0.926)	181871	47.3932	47.39
	24 2-Butanone	43	3.888	3.881	(0.867)	109546	93.4509	93.45
	37 Benzene	78	4.798	4.798	(0.918)	500622	45.8702	45.87
	38 Trichloroethene	130	5.464	5.464	(1.045)	139521	48.2514	48.25



Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140314.b\X031413.D
Date : 14-MAR-2014 16:10
Client ID: VSTD050
Sample Info: VSTD050;VSTD050;2;;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032501.D

Date : 25-MAR-2014 08:24

Client ID: BFB

Instrument: voa6.i

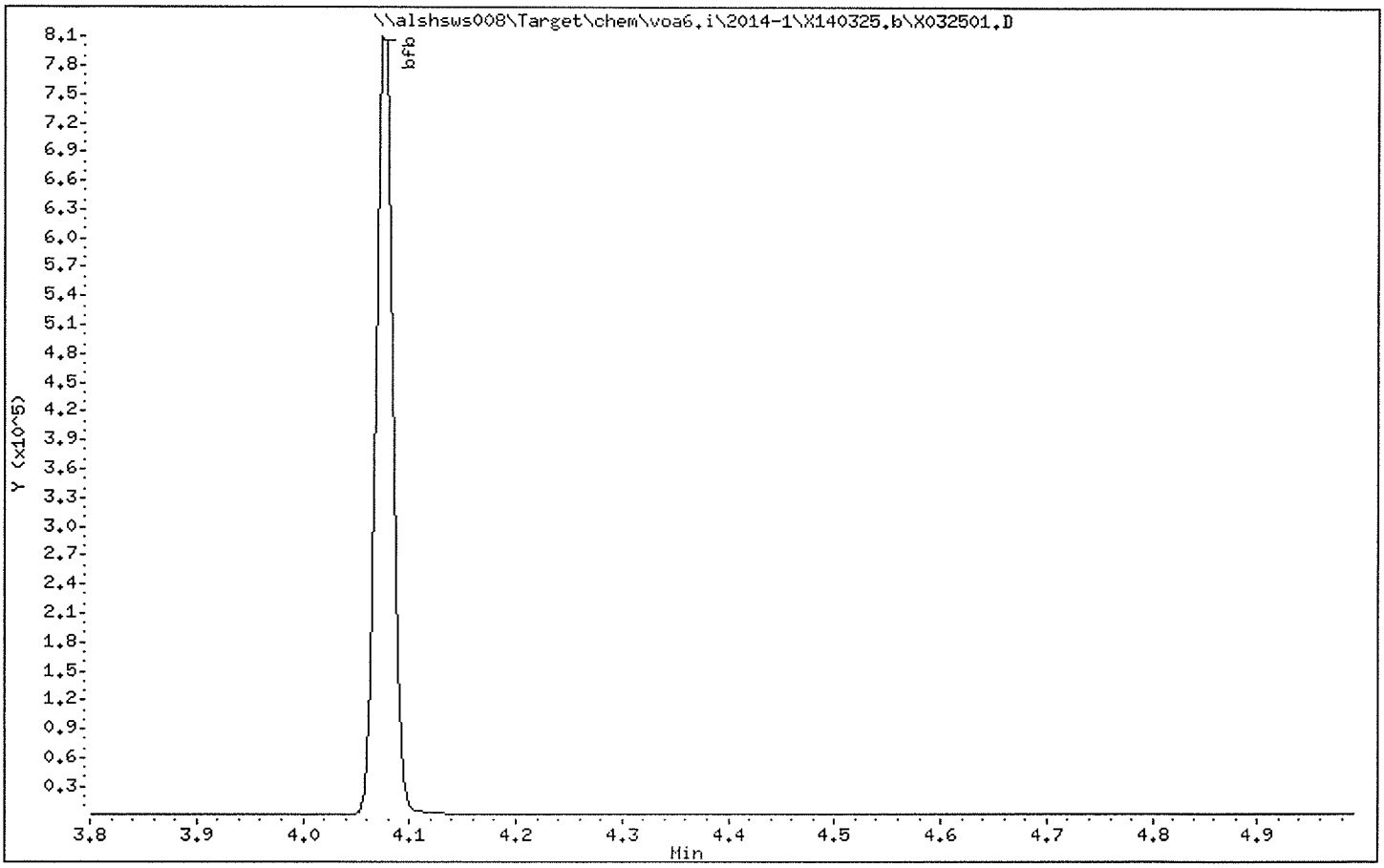
Sample Info: BFB;BFB;3;;

Volume Injected (uL): 2.0

Operator: PC

Column phase: DB624

Column diameter: 0.25



Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032501.D

Date : 25-MAR-2014 08:24

Client ID: BFB

Instrument: voa6.i

Sample Info: BFB;BFB;3;;

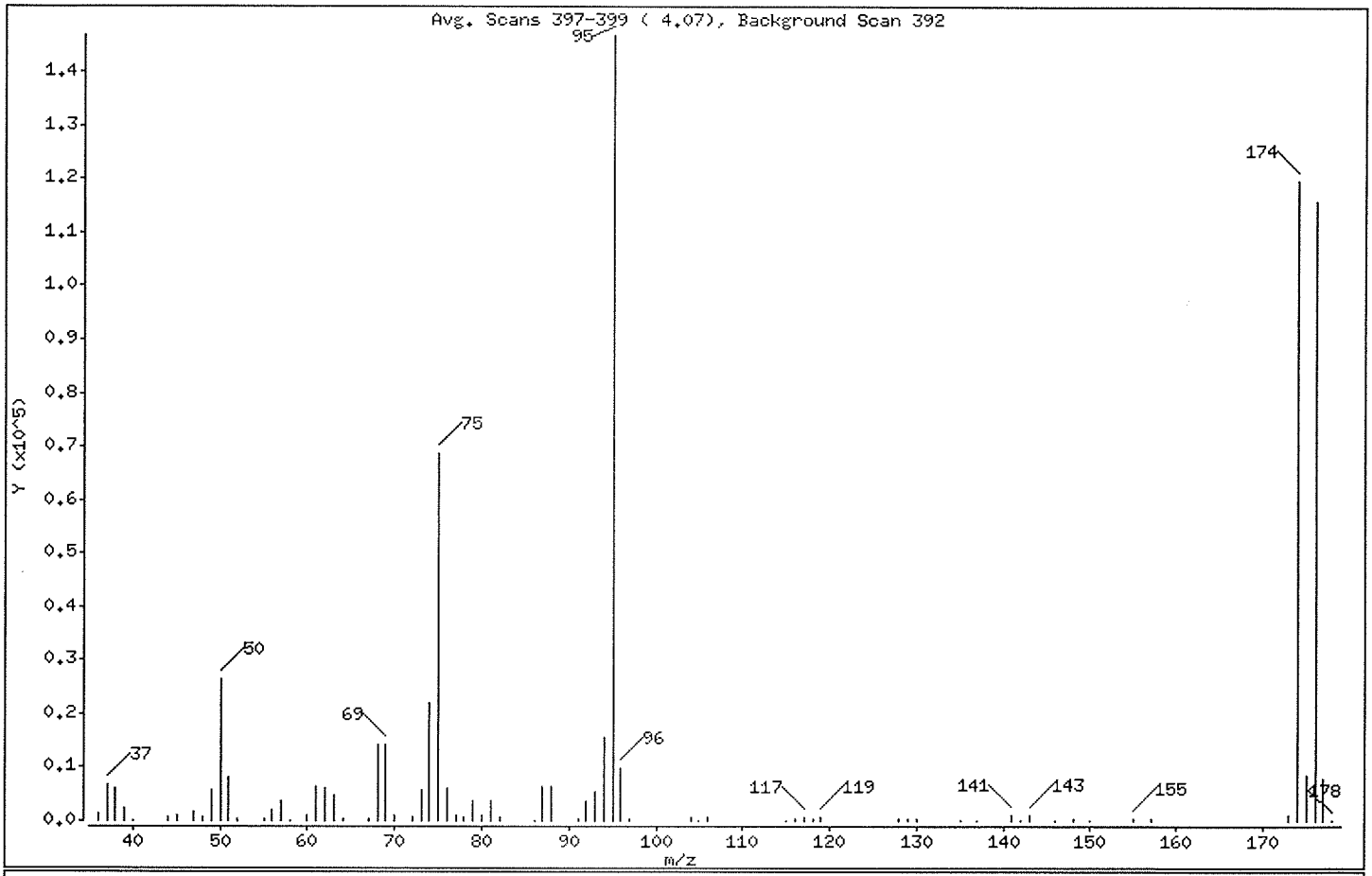
Volume Injected (uL): 2.0

Operator: PC

Column phase: DB624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.06
75	30.00 - 60.00% of mass 95	46.77
96	5.00 - 9.00% of mass 95	6.71
173	Less than 2.00% of mass 174	0.58 (0.71)
174	Greater than 50.00% of mass 95	81.66
175	5.00 - 9.00% of mass 174	5.79 (7.09)
176	95.00 - 101.00% of mass 174	79.03 (96.77)
177	5.00 - 9.00% of mass 176	5.21 (6.60)

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032501.D

Date : 25-MAR-2014 08:24

Client ID: BFB

Instrument: voa6.i

Sample Info: BFB;BFB;3;;

Volume Injected (uL): 2.0

Operator: PC

Column phase: DB624

Column diameter: 0.25

Data File: X032501.D
Spectrum: Avg. Scans 397-399 (4.07), Background Scan 392
Location of Maximum: 95.00
Number of points: 74

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1324	62.00	6088	87.00	6477	130.00	465
37.00	6777	63.00	4614	88.00	6493	135.00	165
38.00	6072	64.00	406	91.00	455	137.00	150
39.00	2224	67.00	362	92.00	3683	141.00	1150
40.00	39	68.00	14154	93.00	5489	142.00	157
44.00	796	69.00	14187	94.00	15578	143.00	1138
45.00	1146	70.00	1045	95.00	146816	146.00	159
47.00	1771	72.00	755	96.00	9850	148.00	336
48.00	761	73.00	5789	97.00	270	150.00	68
49.00	5658	74.00	22064	104.00	584	155.00	257
50.00	26512	75.00	68672	105.00	155	157.00	176
51.00	8273	76.00	5986	106.00	556	173.00	854
52.00	310	77.00	878	115.00	70	174.00	119896
55.00	331	78.00	574	116.00	450	175.00	8496
56.00	2049	79.00	3588	117.00	753	176.00	116024
57.00	3666	80.00	1128	118.00	447	177.00	7654
58.00	72	81.00	3620	119.00	664	178.00	163
60.00	1156	82.00	716	128.00	427		
61.00	6304	86.00	77	129.00	194		

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Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032502.D
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 25-MAR-2014 08:36
Operator : PC Inst ID: voa6.i
Smp Info : VSTD050;VSTD050;2;;
Misc Info : 140321V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\8260W.m
Meth Date : 24-Oct-2014 16:36 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 13:35 Cal File: X031409.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

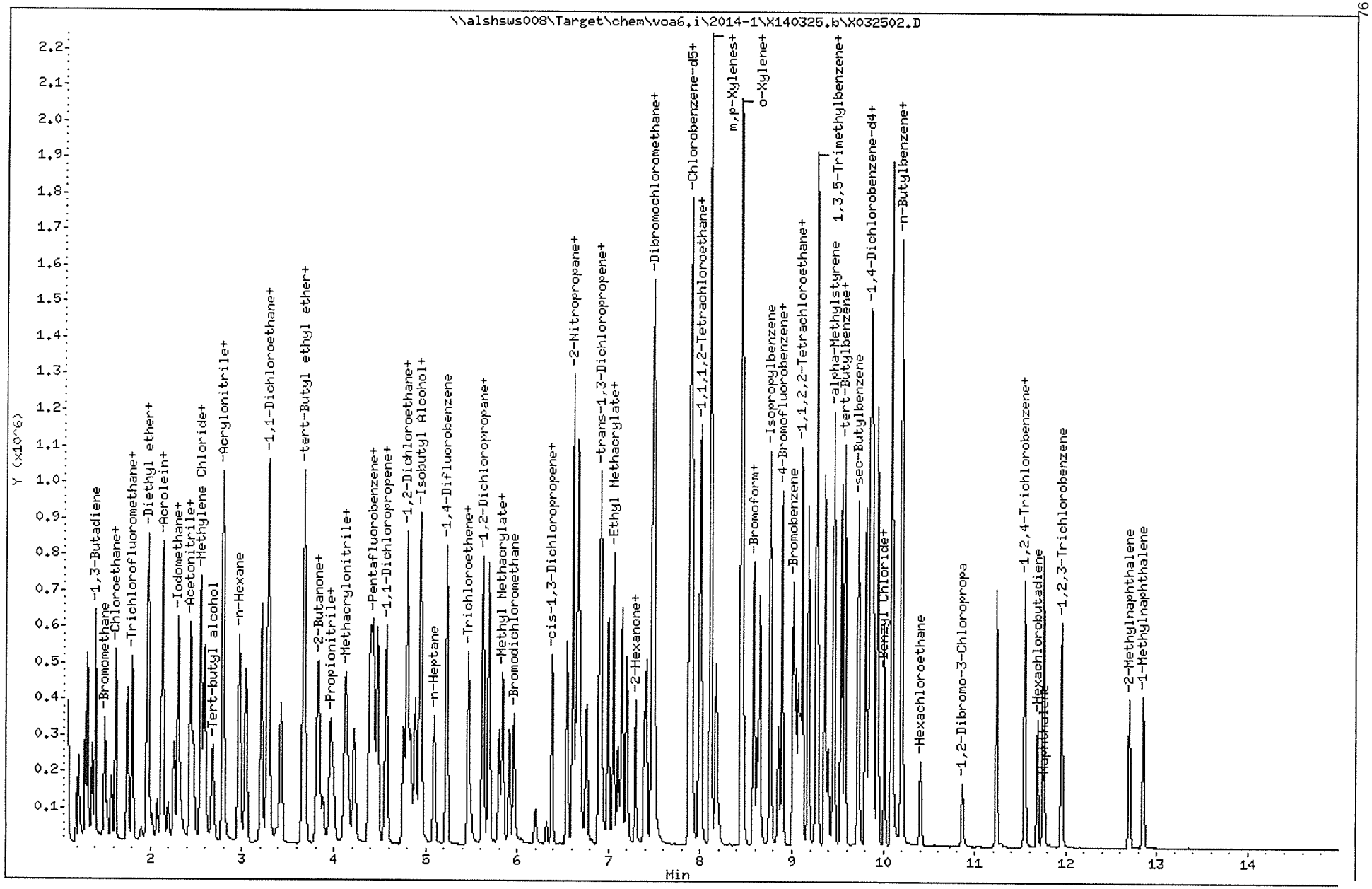
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
* 1 Pentafluorobenzene	168	4.476	4.476	(1.000)	412075	50.0000	
$ 30 Dibromofluoromethane	113	4.404	4.404	(0.984)	189877	50.0000	48.35
$ 35 1,2-Dichloroethane-d4	65	4.755	4.755	(1.062)	206177	50.0000	45.32
* 36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	607224	50.0000	
* 47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	580937	50.0000	
$ 48 Toluene-d8	98	6.610	6.610	(0.839)	736899	50.0000	49.92
$ 69 4-Bromofluorobenzene	95	8.895	8.895	(1.129)	289514	50.0000	51.74
* 70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	305320	50.0000	
33 1,2-Dichloroethane	62	4.841	4.841	(0.926)	187087	50.0000	42.11
24 2-Butanone	43	3.881	3.881	(0.867)	141362	100.000	104.23
37 Benzene	78	4.798	4.798	(0.918)	605370	50.0000	47.91
38 Trichloroethene	130	5.464	5.464	(1.045)	161686	50.0000	48.30

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032502.D
Date : 25-MAR-2014 08:36
Client ID: VSTD050
Sample Info: VSTD050;VSTD050;2;;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i

Operator: PC
Column diameter: 0.18



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Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032503.D
Lab Smp Id: VLCSW-140325 Client Smp ID: VLCSW-140325
Inj Date : 25-MAR-2014 09:02
Operator : PC Inst ID: voa6.i
Smp Info : VLCSW-140325;VLCSW-140325;3;;LCS
Misc Info : 140321V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\8260W.m
Meth Date : 24-Oct-2014 16:36 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 13:35 Cal File: X031409.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

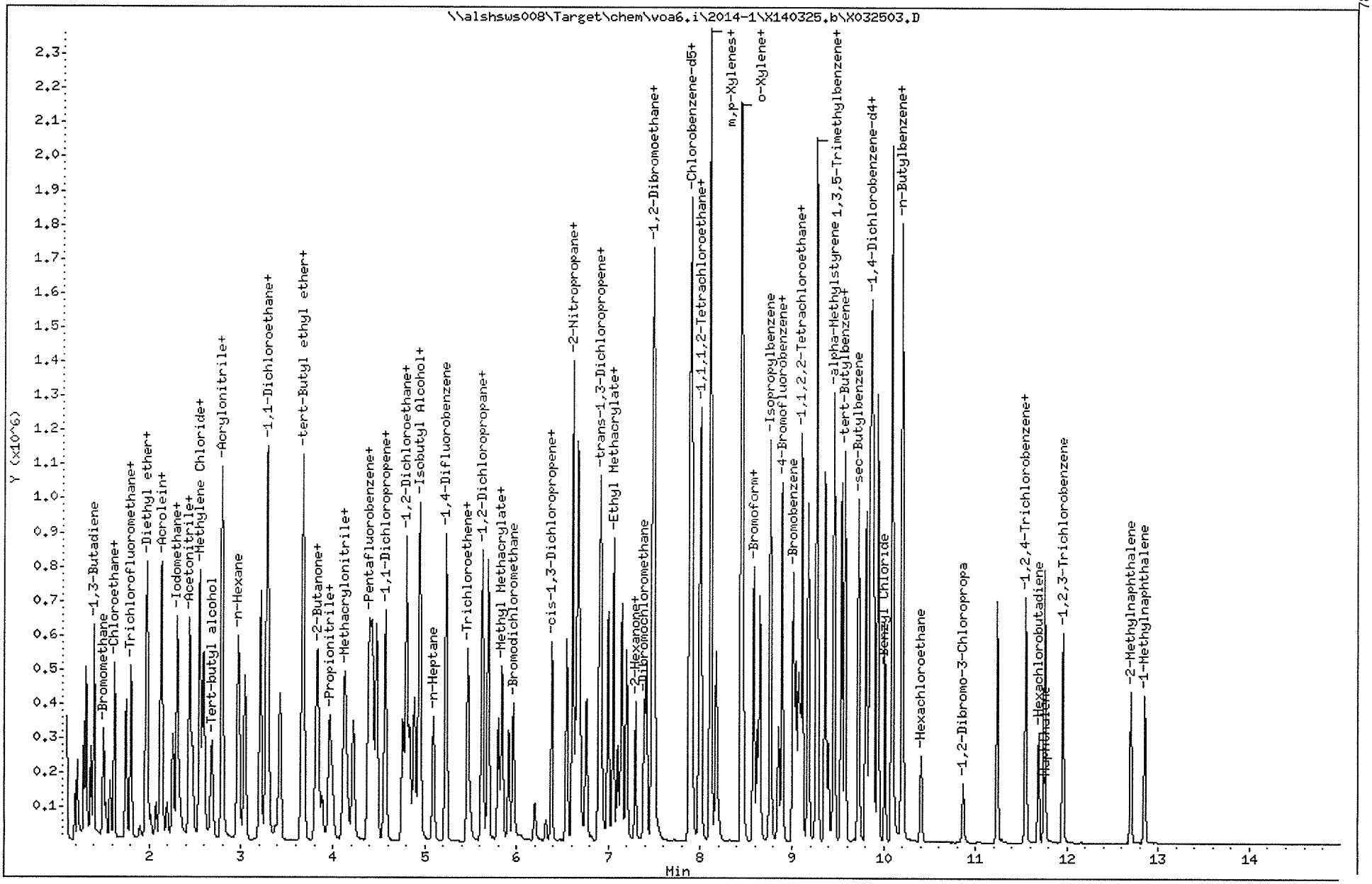
Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
*	1 Pentafluorobenzene	168	4.476	4.476	(1.000)	437118	50.0000	
$	30 Dibromofluoromethane	113	4.404	4.404	(0.984)	206921	49.6794	49.67
$	35 1,2-Dichloroethane-d4	65	4.755	4.755	(1.062)	230170	47.6957	47.69
*	36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	649255	50.0000	
*	47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	618669	50.0000	
$	48 Toluene-d8	98	6.610	6.610	(0.839)	773354	49.1963	49.19
$	69 4-Bromofluorobenzene	95	8.895	8.895	(1.129)	304265	51.0689	51.06
*	70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	321878	50.0000	
	33 1,2-Dichloroethane	62	4.841	4.841	(0.926)	212842	44.8101	44.81
	24 2-Butanone	43	3.881	3.881	(0.867)	140502	97.6694	97.66
	37 Benzene	78	4.798	4.798	(0.918)	638039	47.2317	47.23
	38 Trichloroethene	130	5.464	5.464	(1.045)	171815	48.0062	48.00

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032503.D
Date : 25-MAR-2014 09:02
Client ID: VLCSW-140325
Sample Info: VLCSW-140325;VLCSW-140325;3;;LCS
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18



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Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032505.D
Lab Smp Id: VBLKW-140325 Client Smp ID: VBLKW-140325
Inj Date : 25-MAR-2014 10:41
Operator : PC Inst ID: voa6.i
Smp Info : VBLKW-140325;VBLKW-140325;3;;BLANK
Misc Info : 140321V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\8260W.m
Meth Date : 24-Oct-2014 16:36 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 13:35 Cal File: X031409.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

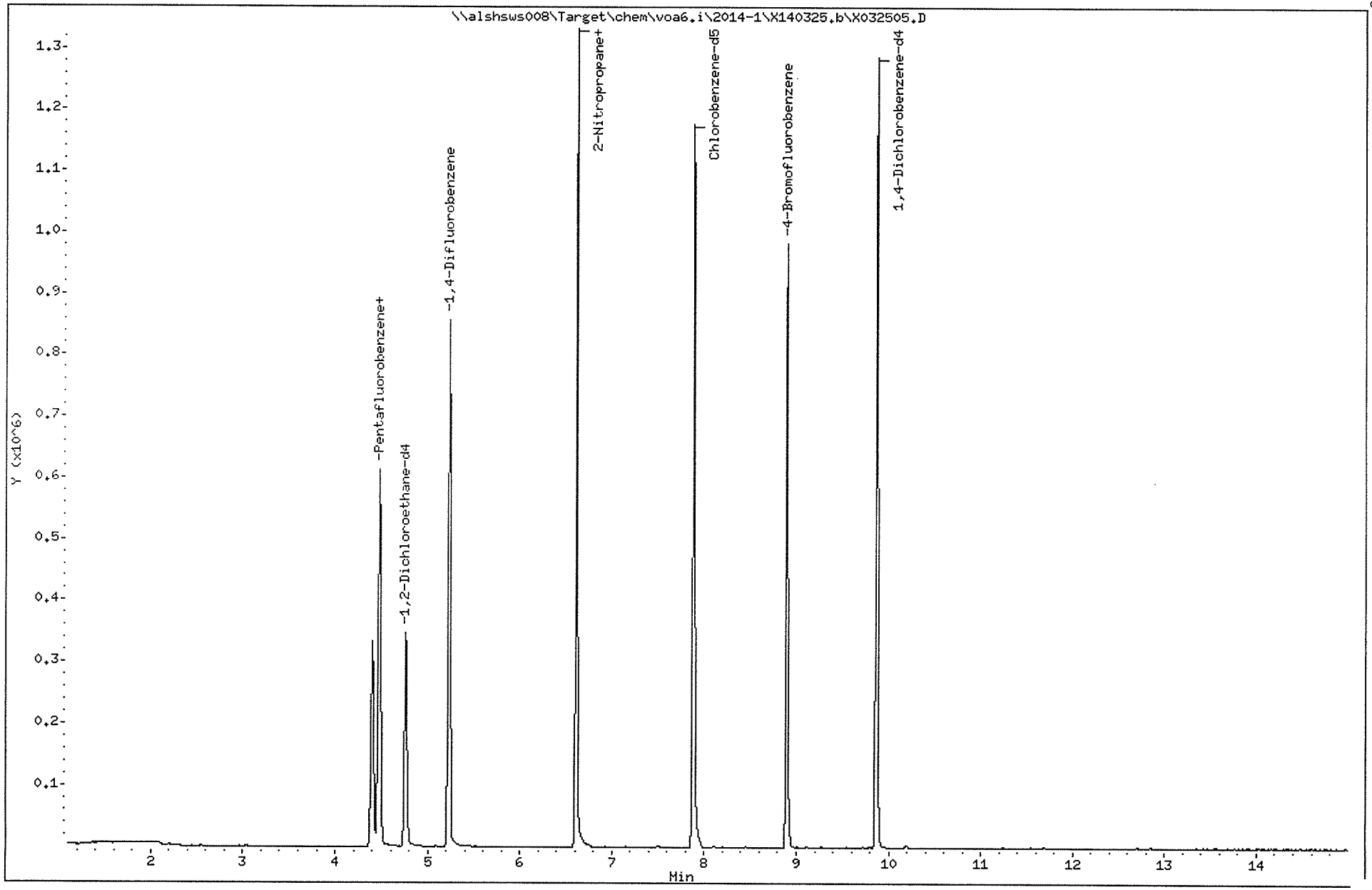
Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.476	4.476	(1.000)	430615	50.0000	
$ 30 Dibromofluoromethane	113	4.404	4.404	(0.984)	204483	49.8354	49.83
$ 35 1,2-Dichloroethane-d4	65	4.755	4.755	(1.062)	234293	49.2832	49.28
* 36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	638354	50.0000	
* 47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	617815	50.0000	
$ 48 Toluene-d8	98	6.611	6.610	(0.839)	761435	48.5051	48.50
$ 69 4-Bromofluorobenzene	95	8.896	8.895	(1.129)	296902	49.9020	49.90
* 70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	303722	50.0000	

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032505.D
Date : 25-MAR-2014 10:41
Client ID: VBLKW-140325
Sample Info: VBLKW-140325;VBLKW-140325;3;;BLANK
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18



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Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032509.D
Lab Smp Id: 14030894-01AMS Client Smp ID: 14030894-01AMS
Inj Date : 25-MAR-2014 12:23
Operator : PC Inst ID: voa6.i
Smp Info : 14030894-01AMS;14030894-01AMS;3;;MS
Misc Info : 140321V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\8260W.m
Meth Date : 24-Oct-2014 16:36 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 13:35 Cal File: X031409.D
Als bottle: 9 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

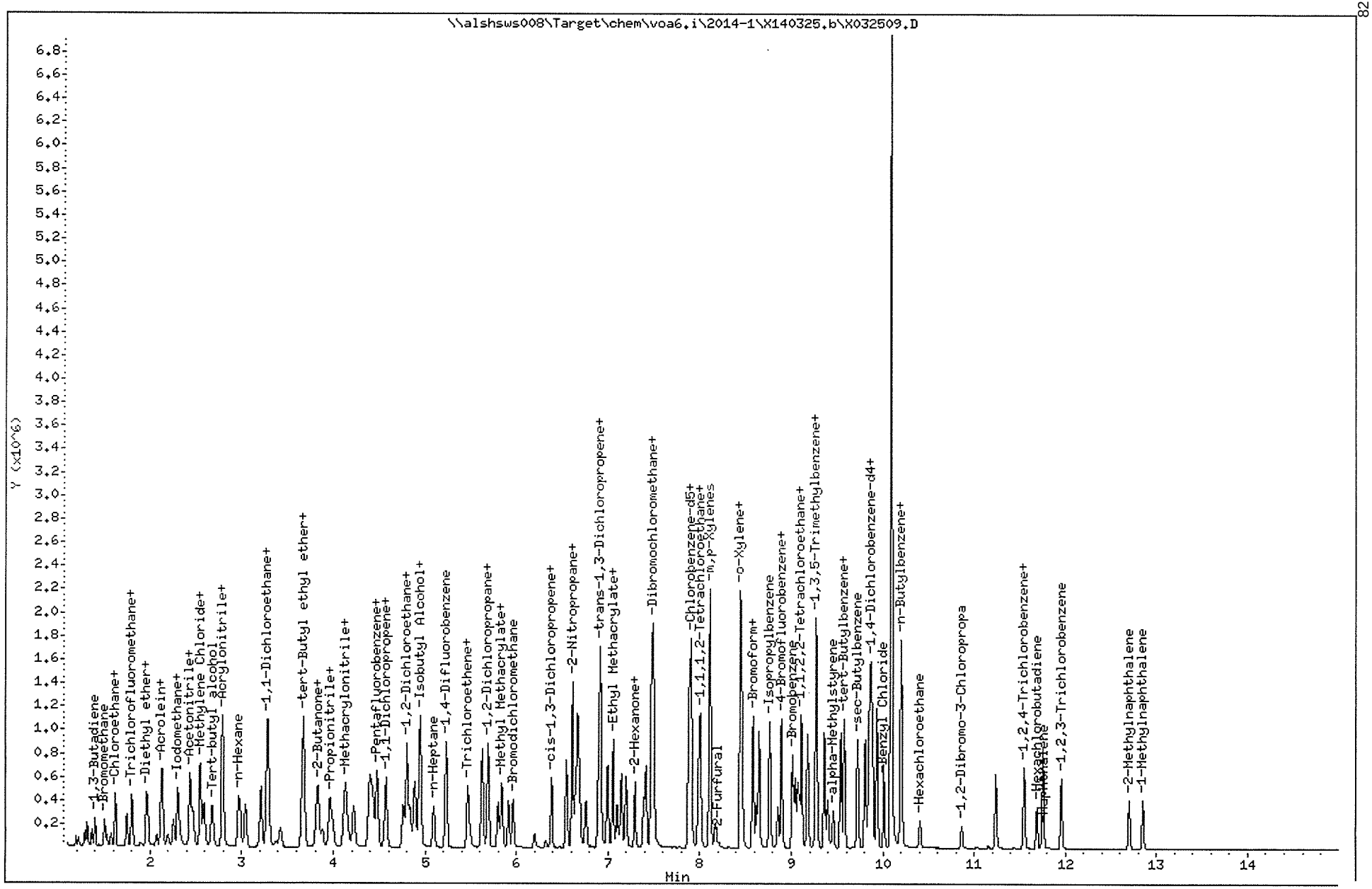
Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
*	1 Pentafluorobenzene	168	4.476	4.476	(1.000)	447186	50.0000	
$	30 Dibromofluoromethane	113	4.404	4.404	(0.984)	210832	49.4787	49.47
$	35 1,2-Dichloroethane-d4	65	4.755	4.755	(1.062)	238783	48.3664	48.36
*	36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	659127	50.0000	
*	47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	630948	50.0000	
$	48 Toluene-d8	98	6.610	6.610	(0.839)	793529	49.4973	49.49
$	69 4-Bromofluorobenzene	95	8.896	8.895	(1.129)	313098	51.5288	51.52
*	70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	331737	50.0000	
	33 1,2-Dichloroethane	62	4.841	4.841	(0.926)	225543	46.7728	46.77
	24 2-Butanone	43	3.881	3.881	(0.867)	164941	112.077	112.07
	37 Benzene	78	4.798	4.798	(0.918)	597210	43.5472	43.54
	38 Trichloroethene	130	5.464	5.464	(1.045)	161099	44.3379	44.33

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032509.D
Date : 25-MAR-2014 12:23
Client ID: 14030894-01AMS
Sample Info: 14030894-01AMS;14030894-01AMS;3;;MS
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18



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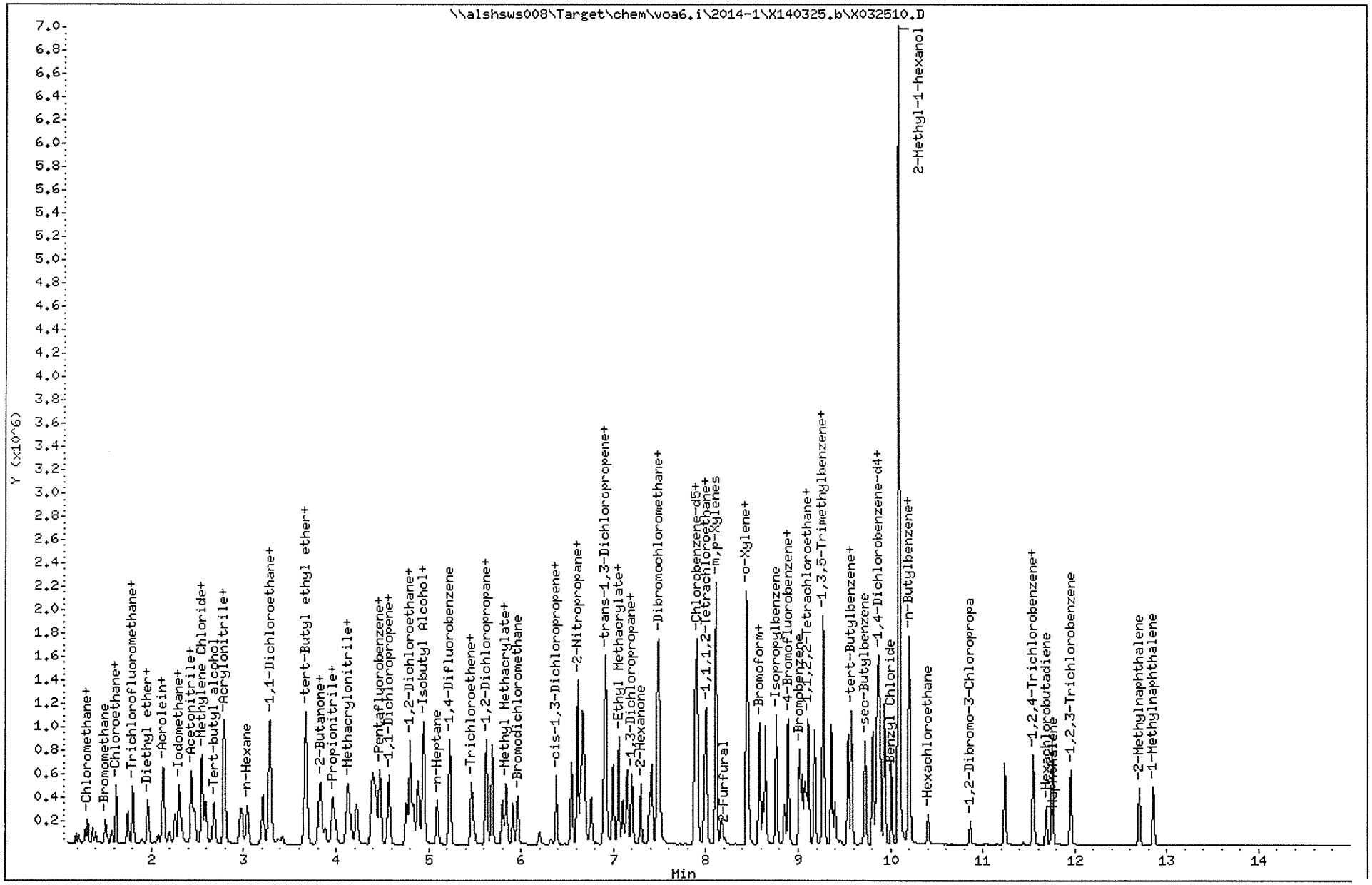
Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032510.D
Lab Smp Id: 14030894-01AMSD Client Smp ID: 14030894-01AMSD
Inj Date : 25-MAR-2014 12:48
Operator : PC Inst ID: voa6.i
Smp Info : 14030894-01AMSD;14030894-01AMSD;3;;MSD
Misc Info : 140321V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\8260W.m
Meth Date : 24-Oct-2014 16:36 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 13:35 Cal File: X031409.D
Als bottle: 10 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
*	1 Pentafluorobenzene	168	4.476	4.476	(1.000)	431220	50.0000	
$	30 Dibromofluoromethane	113	4.404	4.404	(0.984)	206710	50.3075	50.30
$	35 1,2-Dichloroethane-d4	65	4.755	4.755	(1.062)	232010	48.7345	48.73
*	36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	646495	50.0000	
*	47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	614439	50.0000	
$	48 Toluene-d8	98	6.610	6.610	(0.839)	770850	49.3746	49.37
$	69 4-Bromofluorobenzene	95	8.895	8.895	(1.129)	303811	51.3438	51.34
*	70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	324336	50.0000	
	33 1,2-Dichloroethane	62	4.841	4.841	(0.926)	227829	48.1701	48.17
	24 2-Butanone	43	3.881	3.881	(0.867)	157689	111.116	111.11
	37 Benzene	78	4.798	4.798	(0.918)	607792	45.1848	45.18
	38 Trichloroethene	130	5.464	5.464	(1.045)	163674	45.9268	45.92

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032510.D
Date : 25-MAR-2014 12:48
Client ID: 14030894-01AMSD
Instrument: voa6.i
Sample Info: 14030894-01AMSD;14030894-01AMSD;3;;MSD
Purge Volume: 5.0
Operator: PC
Column phase: DB624
Column diameter: 0.18



ALS Laboratory Group

Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032512.D
Lab Smp Id: 14030923-05A Client Smp ID: 14030923-05A
Inj Date : 25-MAR-2014 13:40
Operator : PC Inst ID: voa6.i
Smp Info : 14030923-05A;14030923-05A;;;
Misc Info : 140321V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\8260W.m
Meth Date : 24-Oct-2014 16:36 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 13:35 Cal File: X031409.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

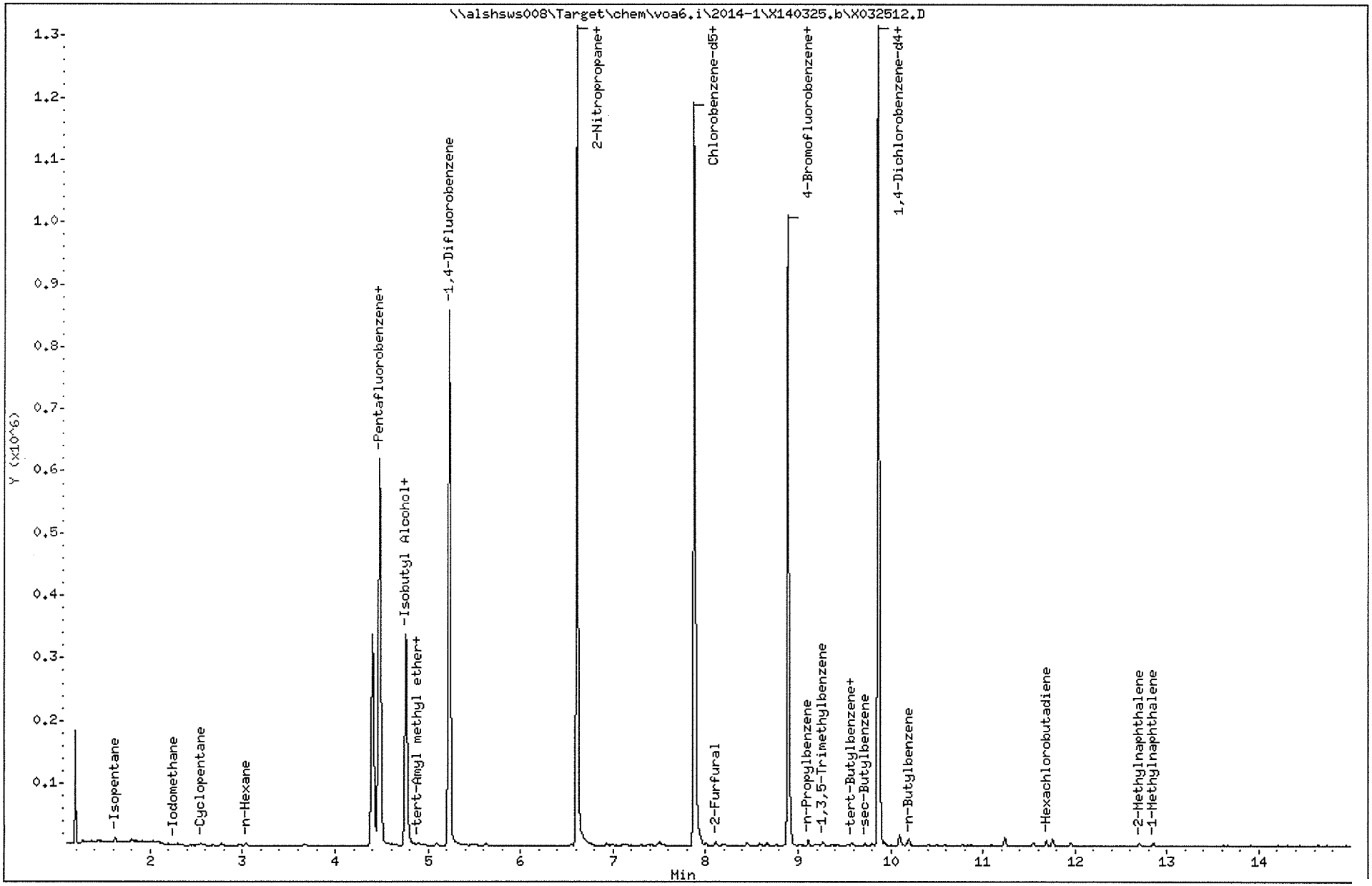
Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.476	4.476	(1.000)	429847	50.0000	
$ 30 Dibromofluoromethane	113	4.404	4.404	(0.984)	202726	49.4955	49.49
$ 35 1,2-Dichloroethane-d4	65	4.755	4.755	(1.062)	235263	49.5757	49.57
* 36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	632250	50.0000	
* 47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	616438	50.0000	
$ 48 Toluene-d8	98	6.611	6.610	(0.839)	762357	48.6723	48.67
$ 69 4-Bromofluorobenzene	95	8.896	8.895	(1.129)	298171	50.2272	50.22
* 70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	311575	50.0000	

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032512.D
Date : 25-MAR-2014 13:40
Client ID: 14030923-05A
Sample Info: 14030923-05A;14030923-05A;;;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18



ALS Laboratory Group

Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032513.D
Lab Smp Id: 14030923-01A Client Smp ID: 14030923-01A
Inj Date : 25-MAR-2014 14:03
Operator : PC Inst ID: voa6.i
Smp Info : 14030923-01A;14030923-01A;;;
Misc Info : 140321V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\8260W.m
Meth Date : 24-Oct-2014 16:36 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 13:35 Cal File: X031409.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

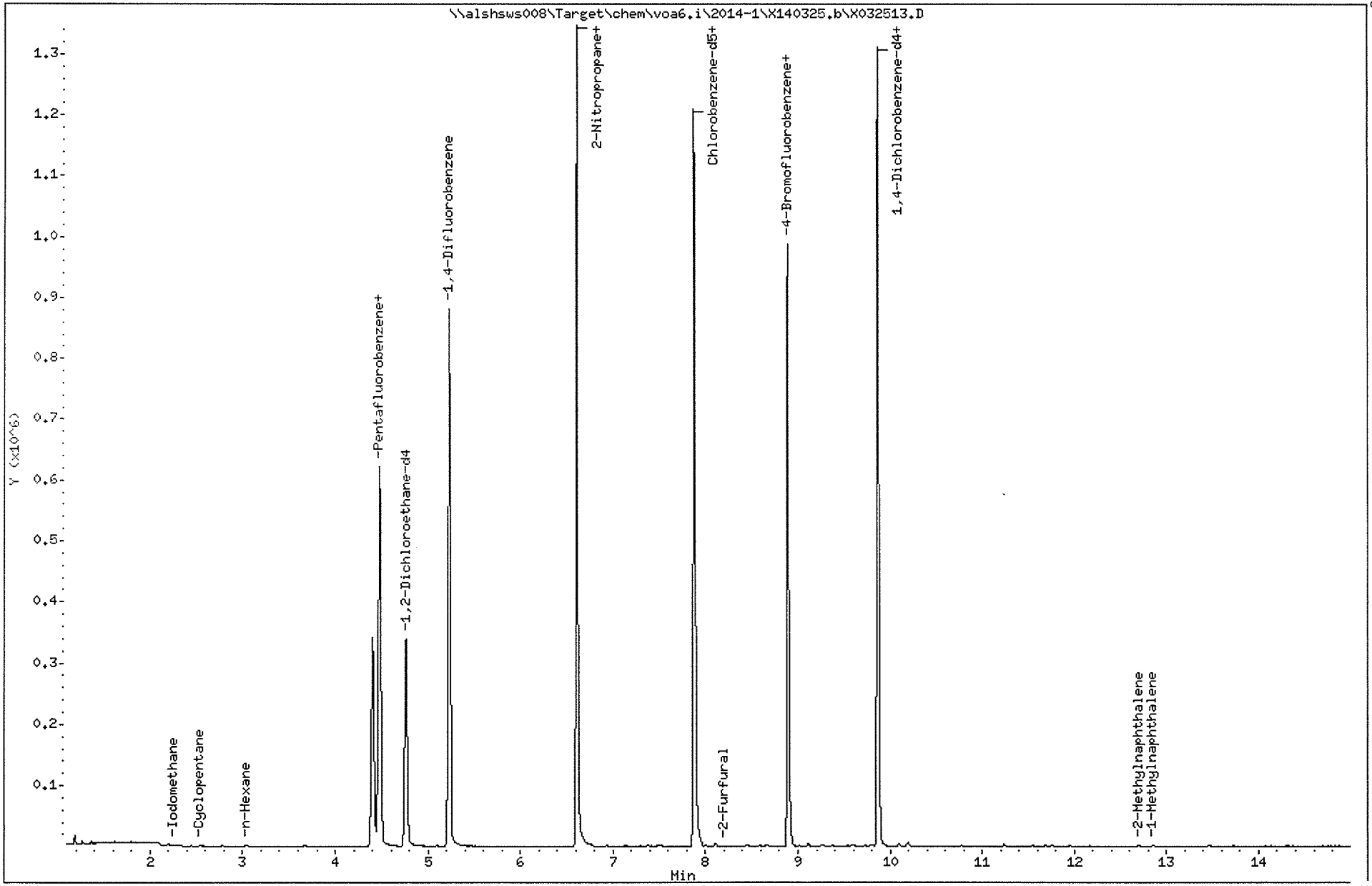
Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.476	4.476	(1.000)	434550	50.0000	
$ 30 Dibromofluoromethane	113	4.404	4.404	(0.984)	206710	49.9220	49.92
$ 35 1,2-Dichloroethane-d4	65	4.762	4.755	(1.064)	237262	49.4558	49.45
* 36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	646885	50.0000	
* 47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	622800	50.0000	
$ 48 Toluene-d8	98	6.610	6.610	(0.839)	766637	48.4455	48.44
$ 69 4-Bromofluorobenzene	95	8.895	8.895	(1.129)	298807	49.8202	49.82
* 70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	312189	50.0000	

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032513.D
Date : 25-MAR-2014 14:03
Client ID: 14030923-01A
Sample Info: 14030923-01A;14030923-01A;;;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18



ALS Laboratory Group

Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032514.D
Lab Smp Id: 14030923-02A Client Smp ID: 14030923-02A
Inj Date : 25-MAR-2014 14:27
Operator : PC Inst ID: voa6.i
Smp Info : 14030923-02A;14030923-02A;;;
Misc Info : 140321V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\8260W.m
Meth Date : 24-Oct-2014 16:36 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 13:35 Cal File: X031409.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

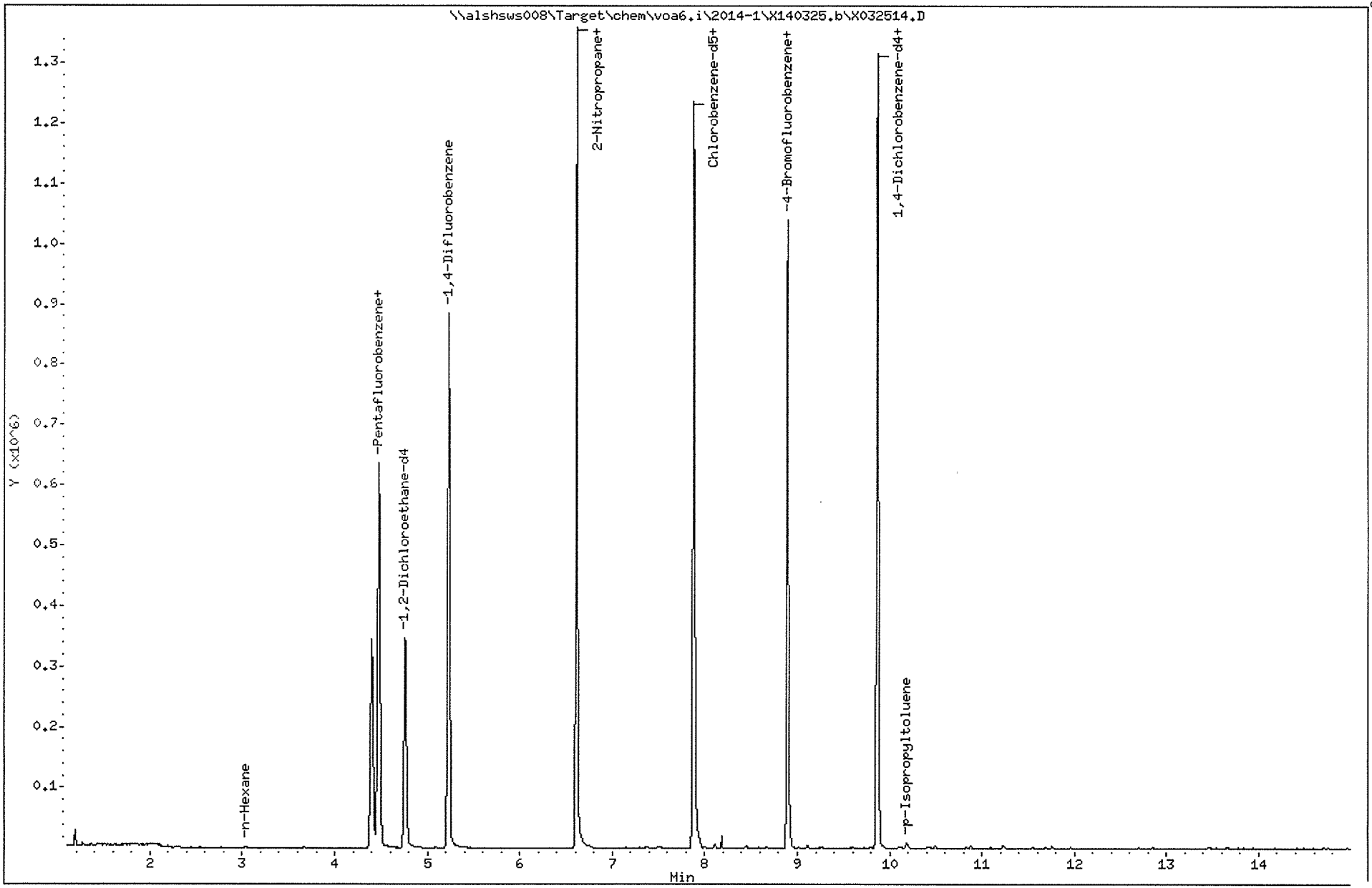
Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.476	4.476	(1.000)	436624	50.0000	
$ 30 Dibromofluoromethane	113	4.404	4.404	(0.984)	203437	48.8982	48.89
$ 35 1,2-Dichloroethane-d4	65	4.755	4.755	(1.062)	241213	50.0406	50.04
* 36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	651793	50.0000	
* 47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	635358	50.0000	
$ 48 Toluene-d8	98	6.610	6.610	(0.839)	777828	48.1812	48.18
$ 69 4-Bromofluorobenzene	95	8.895	8.895	(1.129)	304901	49.8315	49.83
* 70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	313711	50.0000	

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032514.D
Date : 25-MAR-2014 14:27
Client ID: 14030923-02A
Sample Info: 14030923-02A;14030923-02A;;;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18



ALS Laboratory Group

Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032515.D
Lab Smp Id: 14030923-03A Client Smp ID: 14030923-03A
Inj Date : 25-MAR-2014 14:50
Operator : PC Inst ID: voa6.i
Smp Info : 14030923-03A;14030923-03A;;;
Misc Info : 140321V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\8260W.m
Meth Date : 24-Oct-2014 16:36 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 13:35 Cal File: X031409.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

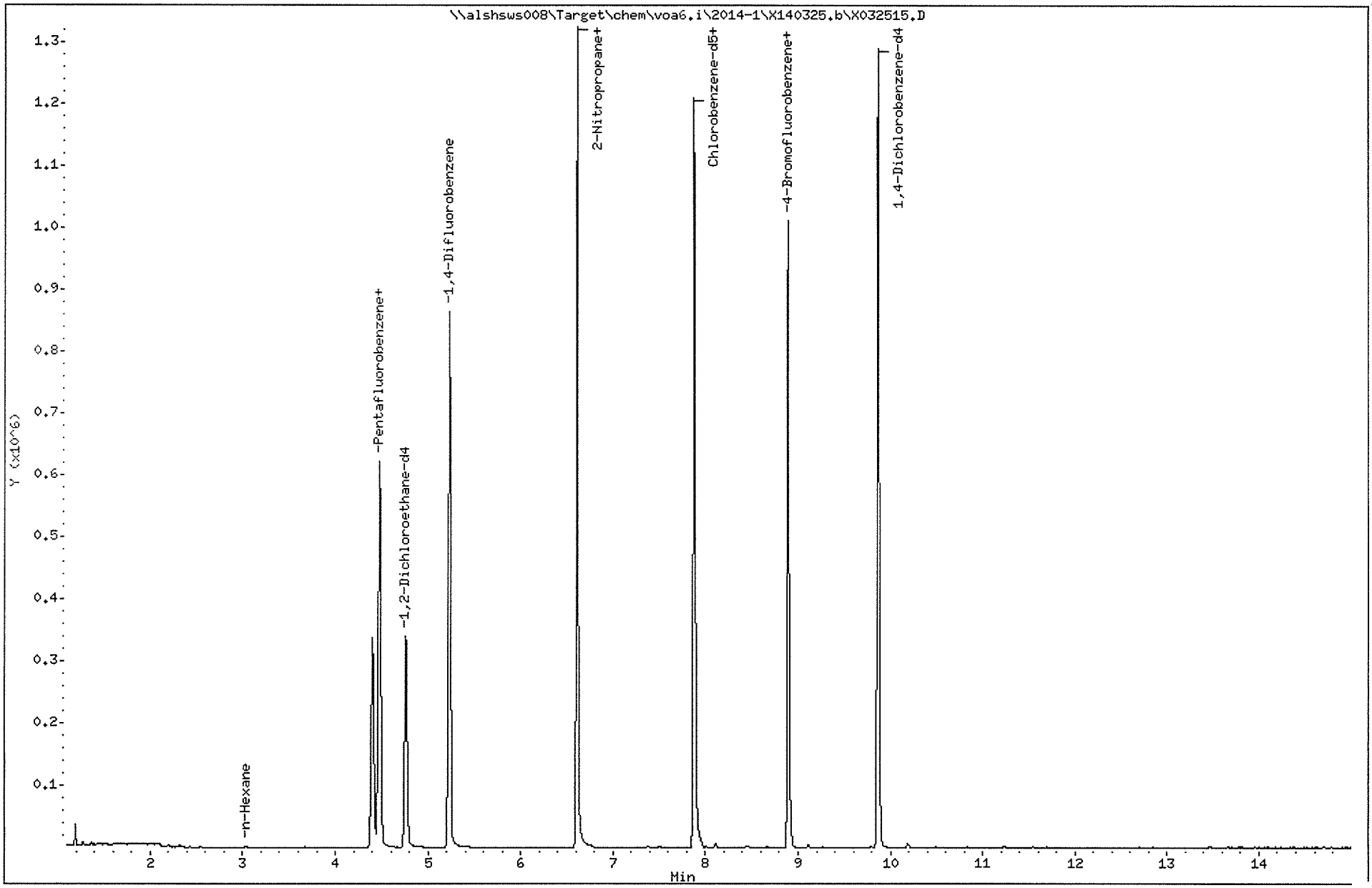
Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
*	1 Pentafluorobenzene	168	4.476	4.476	(1.000)	431724	50.0000	
$	30 Dibromofluoromethane	113	4.404	4.404	(0.984)	204713	49.7633	49.76
$	35 1,2-Dichloroethane-d4	65	4.755	4.755	(1.062)	234124	49.1212	49.12
*	36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	643130	50.0000	
*	47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	621900	50.0000	
$	48 Toluene-d8	98	6.610	6.610	(0.839)	757963	47.9667	47.96
$	69 4-Bromofluorobenzene	95	8.895	8.895	(1.129)	299607	50.0259	50.02
*	70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	312089	50.0000	

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032515.D
Date : 25-MAR-2014 14:50
Client ID: 14030923-03A
Sample Info: 14030923-03A;14030923-03A;;;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18



ALS Laboratory Group

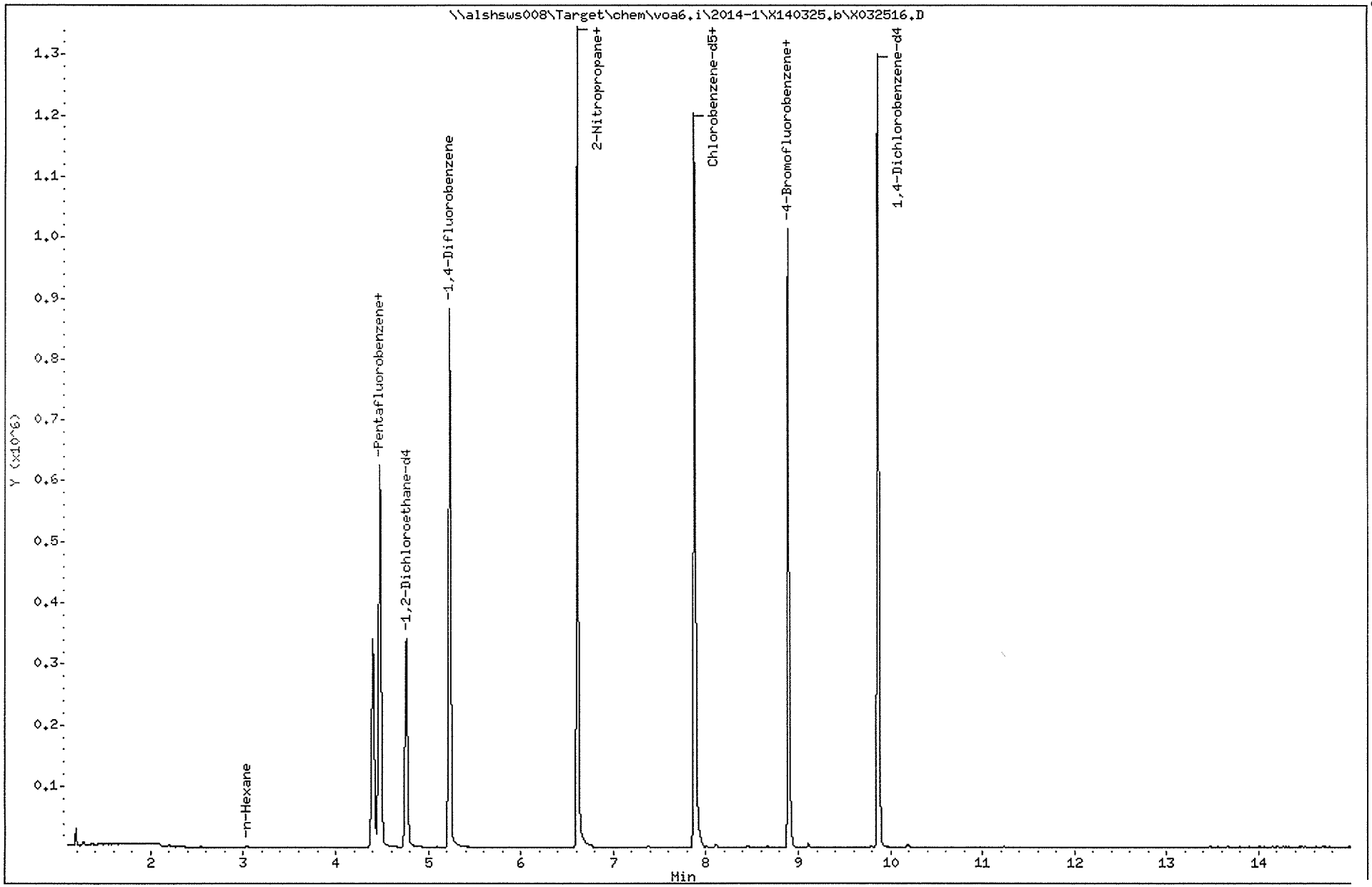
Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032516.D
Lab Smp Id: 14030923-04A Client Smp ID: 14030923-04A
Inj Date : 25-MAR-2014 15:13
Operator : PC Inst ID: voa6.i
Smp Info : 14030923-04A;14030923-04A;;;
Misc Info : 140321V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\8260W.m
Meth Date : 24-Oct-2014 16:36 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 13:35 Cal File: X031409.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
*	1 Pentafluorobenzene	168	4.476	4.476	(1.000)	433826	50.0000	
$	30 Dibromofluoromethane	113	4.404	4.404	(0.984)	209261	50.6224	50.62
$	35 1,2-Dichloroethane-d4	65	4.762	4.755	(1.064)	238946	49.8900	49.88
*	36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	649607	50.0000	
*	47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	627739	50.0000	
$	48 Toluene-d8	98	6.610	6.610	(0.839)	766089	48.0300	48.03
$	69 4-Bromofluorobenzene	95	8.895	8.895	(1.129)	300300	49.6752	49.67
*	70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	312435	50.0000	

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140325.b\X032516.D
Date : 25-MAR-2014 15:13
Client ID: 14030923-04A
Instrument: voa6.i
Sample Info: 14030923-04A;14030923-04A;;;
Purge Volume: 5.0
Operator: PC
Column phase: DB624
Column diameter: 0.18



MSVOA06 -Logbook

Batch: 13382
Date: 03-26-2014
Method: 8260
Comments:

Analyst: Presenta Cabascango
Reviewer:
Laboratory: Houston

#	Samp ID	Type	Analyzed	DF	Init Wt/Vol	Final Vol	File ID	Matrix	Status	pH
1	BFB	BFB	03-26-2014 10:00 am	1.00	50 mL	50 mL	X032601.D	Liquid	Y	na
2	VSTD050	CCV	03-26-2014 10:08 am	1.00	50 mL	50 mL	X032602.D	Liquid	Y	na
3	VLCSW-140326	LCS	03-26-2014 10:34 am	1.00	50 mL	50 mL	X032603.D	Liquid	Y	na
4	VBLKW-140326	MBLK	03-26-2014 11:48 am	1.00	50 mL	50 mL	X032604.D	Liquid	Y	na
5	VBLKW-140326	MBLK	03-26-2014 12:11 pm	1.00	50 mL	50 mL	X032605.D	Liquid	Y	na
6	14030923-07A	SAMP	03-26-2014 12:37 pm	1.00	50 mL	50 mL	X032606.D	Liquid	Y	>2
7	14030923-06A	SAMP	03-26-2014 12:59 pm	1.00	50 mL	50 mL	X032607.D	Liquid	Y	>2
8	14030898-07A	SAMP	03-26-2014 01:25 pm	1.00	50 mL	50 mL	X032608.D	Liquid	Y	>2
9	14030898-09A	SAMP	03-26-2014 01:51 pm	1.00	50 mL	50 mL	X032609.D	Liquid	Y	>2
10	14030898-07AMS	MS	03-26-2014 02:15 pm	1.00	50 mL	50 mL	X032610.D	Liquid	Y	>2
11	14030898-07AMSD	MSD	03-26-2014 02:40 pm	1.00	50 mL	50 mL	X032611.D	Liquid	Y	>2
12	14030717-01A	SAMP	03-26-2014 03:05 pm	5.00	10 mL	50 mL	X032612.D	Liquid	Y	>2
13	14030953-05A	SAMP	03-26-2014 03:28 pm	1.00	50 mL	50 mL	X032613.D	Liquid	Y	>2
14	14030953-04A	SAMP	03-26-2014 03:51 pm	1.00	50 mL	50 mL	X032614.D	Liquid	Y	>2
15	14030953-02A	SAMP	03-26-2014 04:14 pm	10.00	5 mL	50 mL	X032615.D	Liquid	Y	>2
16	14030953-03A	SAMP	03-26-2014 04:38 pm	10.00	5 mL	50 mL	X032616.D	Liquid	Y	>2
17	14030953-01A	SAMP	03-26-2014 05:04 pm	50.00	1 mL	50 mL	X032617.D	Liquid	Y	>2
18	14030953-04A	SAMP	03-26-2014 05:27 pm	10.00	5 mL	50 mL	X032618.D	Liquid	Y	>2
19	14030898-13A	SAMP	03-26-2014 05:53 pm	1.00	50 mL	50 mL	X032619.D	Liquid	Y	>2
20	14030898-04A	SAMP	03-26-2014 06:19 pm	1.00	50 mL	50 mL	X032620.D	Liquid	Y	>2
21	14030898-05A	SAMP	03-26-2014 06:45 pm	1.00	50 mL	50 mL	X032621.D	Liquid	Y	>2
22	14030898-08A	SAMP	03-26-2014 07:10 pm	1.00	50 mL	50 mL	X032622.D	Liquid	Y	>2
23	14030898-10A	SAMP	03-26-2014 07:33 pm	1.00	50 mL	50 mL	X032623.D	Liquid	Y	>2
24	14031020-09A	SAMP	03-26-2014 07:59 pm	1.00	50 mL	50 mL	X032624.D	Liquid	Y	>2
25	14031020-10A	SAMP	03-26-2014 08:25 pm	1.00	50 mL	50 mL	X032625.D	Liquid	Y	>2
26	14031020-11A	SAMP	03-26-2014 08:51 pm	1.00	50 mL	50 mL	X032626.D	Liquid	Y	>2
27	14030984-01A	SAMP	03-26-2014 09:17 pm	50.00	1 mL	50 mL	X032627.D	Liquid	Y	>2

Chemical	Value
SURR SPK ID	29021-11-03
IS ID	29021-11-03
LCS/MS ID	29021-11-01/02
Pentafluorobenzene Response	453823
1,4-Difluorobenzene Response	672752
Chlorobenzene-d5 Response	642628
1,4-Dichlorobenzene-d4 Response	331335
BFB Ion 95 Response	172608
BFB ID	29021-10-03

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\X032601.D

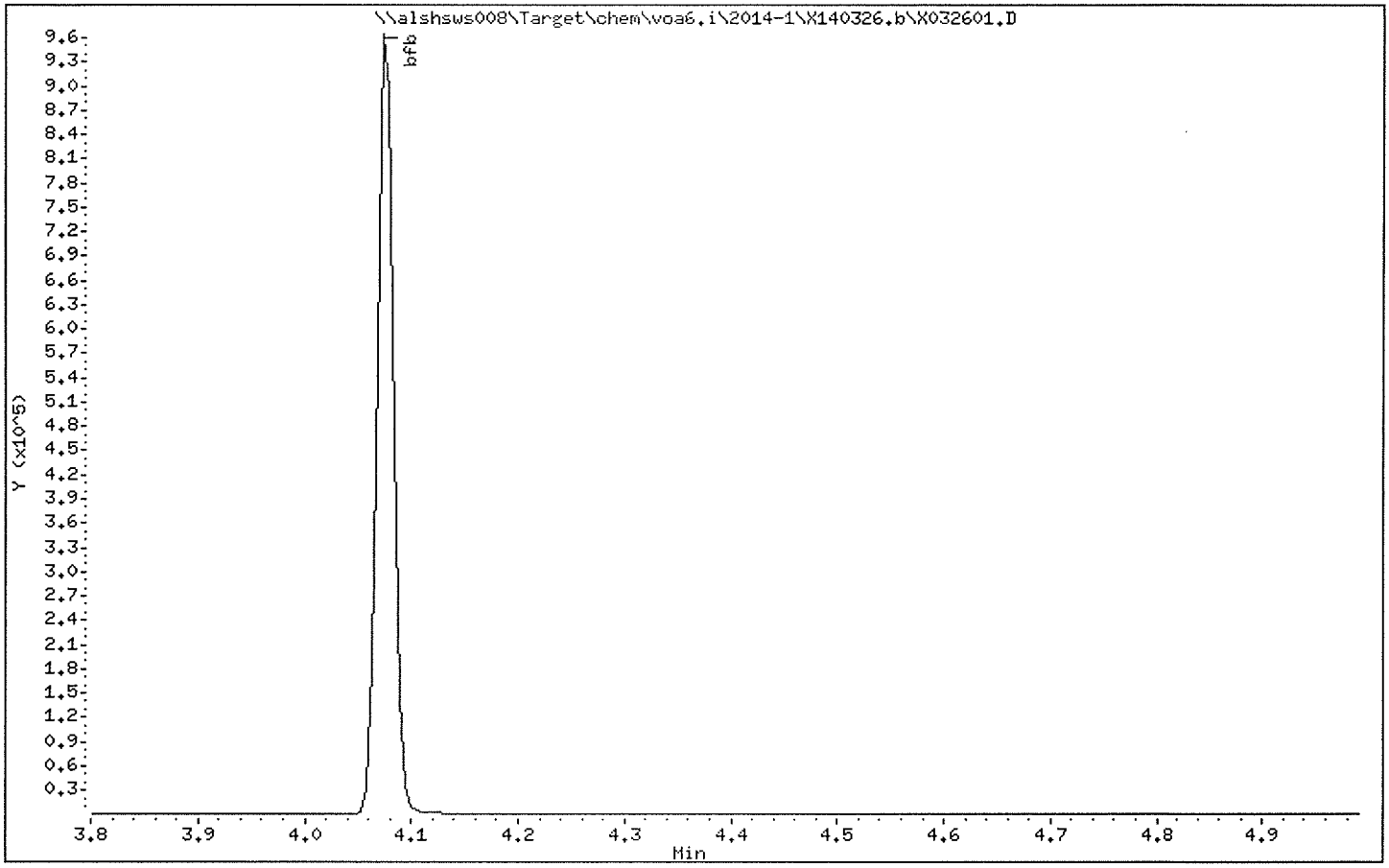
Date : 26-MAR-2014 10:00

Client ID: BFB Instrument: voa6.i

Sample Info: BFB;BFB;3;;

Volume Injected (uL): 2.0 Operator: PC

Column phase: DB624 Column diameter: 0.25



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Date : 26-MAR-2014 10:00

Client ID: BFB

Instrument: voa6.i

Sample Info: BFB;BFB;3;;

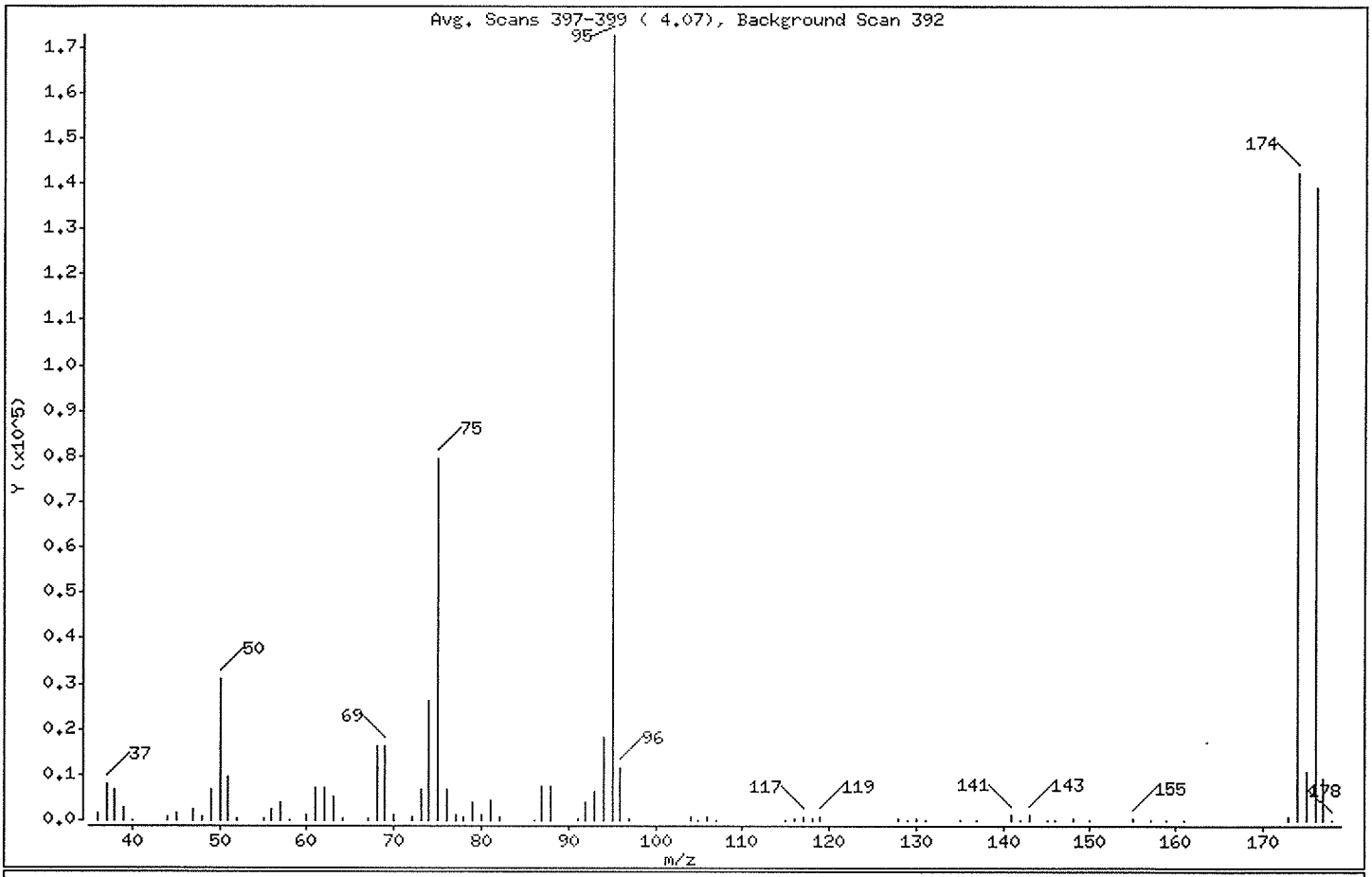
Volume Injected (uL): 2.0

Operator: PC

Column phase: DB624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.90
75	30.00 - 60.00% of mass 95	46.17
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.57 (0.69)
174	Greater than 50.00% of mass 95	82.57
175	5.00 - 9.00% of mass 174	6.13 (7.43)
176	95.00 - 101.00% of mass 174	80.61 (97.62)
177	5.00 - 9.00% of mass 176	5.29 (6.56)

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\X032601.D

Date : 26-MAR-2014 10:00

Client ID: BFB

Instrument: voa6.i

Sample Info: BFB;BFB;3;;

Volume Injected (uL): 2.0

Operator: PC

Column phase: DB624

Column diameter: 0.25

Data File: X032601.D
Spectrum: Avg. Scans 397-399 (4.07), Background Scan 392
Location of Maximum: 95.00
Number of points: 79

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1500	63.00	5094	91.00	570	135.00	167
37.00	7817	64.00	488	92.00	3969	137.00	174
38.00	6703	67.00	415	93.00	6357	141.00	1283
39.00	2606	68.00	16253	94.00	18192	142.00	81
40.00	13	69.00	16302	95.00	172608	143.00	1369
44.00	802	70.00	1243	96.00	11567	145.00	76
45.00	1421	72.00	812	97.00	321	146.00	169
47.00	2297	73.00	6809	104.00	598	148.00	305
48.00	958	74.00	26088	105.00	155	150.00	75
49.00	6725	75.00	79696	106.00	621	155.00	422
50.00	30904	76.00	6814	107.00	83	157.00	169
51.00	9569	77.00	1056	115.00	69	159.00	67
52.00	409	78.00	721	116.00	505	161.00	83
55.00	404	79.00	4097	117.00	945	173.00	989
56.00	2242	80.00	1184	118.00	523	174.00	142528
57.00	4110	81.00	4198	119.00	707	175.00	10586
58.00	72	82.00	888	128.00	569	176.00	139136
60.00	1344	86.00	138	129.00	192	177.00	9125
61.00	7166	87.00	7438	130.00	542	178.00	174
62.00	7079	88.00	7361	131.00	180		

ALS Laboratory Group

Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\X032602.D
Lab Smp Id: VSTD050 Client Smp ID: VSTD050
Inj Date : 26-MAR-2014 10:08
Operator : PC Inst ID: voa6.i
Smp Info : VSTD050;VSTD050;2;;
Misc Info : 140321V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\8260W.m
Meth Date : 24-Oct-2014 11:31 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 13:35 Cal File: X031409.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

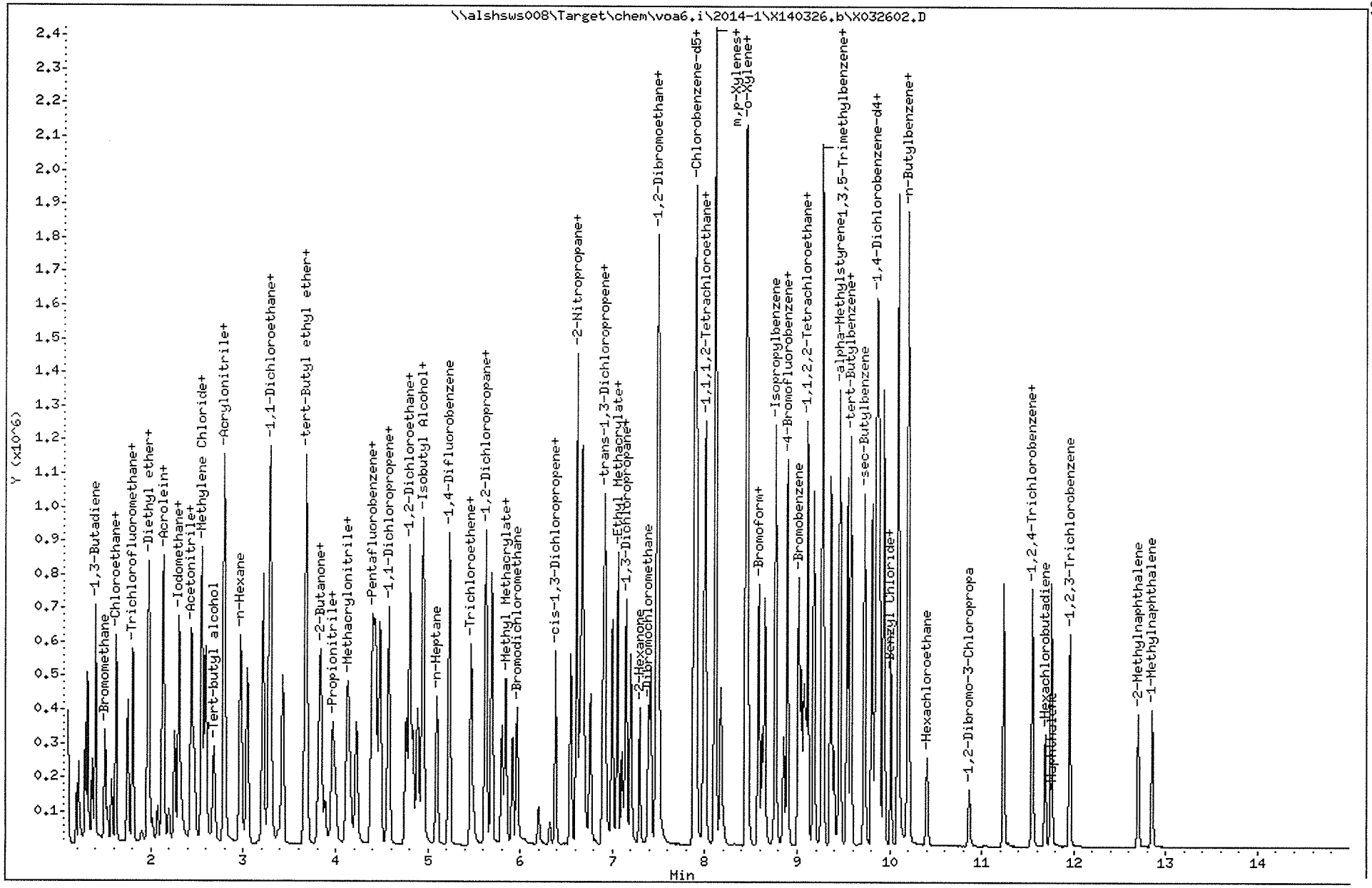
Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
*	1 Pentafluorobenzene	168	4.476	4.476	(1.000)	453823	50.0000	
$	30 Dibromofluoromethane	113	4.404	4.404	(0.984)	214833	50.0000	49.68
$	35 1,2-Dichloroethane-d4	65	4.762	4.762	(1.064)	240480	50.0000	47.99
*	36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	672752	50.0000	
*	47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	642628	50.0000	
$	48 Toluene-d8	98	6.610	6.610	(0.839)	806440	50.0000	49.38
$	69 4-Bromofluorobenzene	95	8.895	8.895	(1.129)	316802	50.0000	51.19
*	70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	331335	50.0000	
	33 1,2-Dichloroethane	62	4.841	4.841	(0.926)	221824	50.0000	45.06
	24 2-Butanone	43	3.881	3.881	(0.867)	140686	100.000	94.19
	37 Benzene	78	4.798	4.798	(0.918)	645863	50.0000	46.14
	38 Trichloroethene	130	5.464	5.464	(1.045)	175830	50.0000	47.41

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\X032602.D
Date : 26-MAR-2014 10:08
Client ID: VSTD050
Sample Info: VSTD050;VSTD050;2;;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18



ALS Laboratory Group

Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\X032603.D
Lab Smp Id: VLCSW-140326 Client Smp ID: VLCSW-140326
Inj Date : 26-MAR-2014 10:34
Operator : PC Inst ID: voa6.i
Smp Info : VLCSW-140326;VLCSW-140326;3;;LCS
Misc Info : 140321V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\8260W.m
Meth Date : 24-Oct-2014 11:31 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 13:35 Cal File: X031409.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

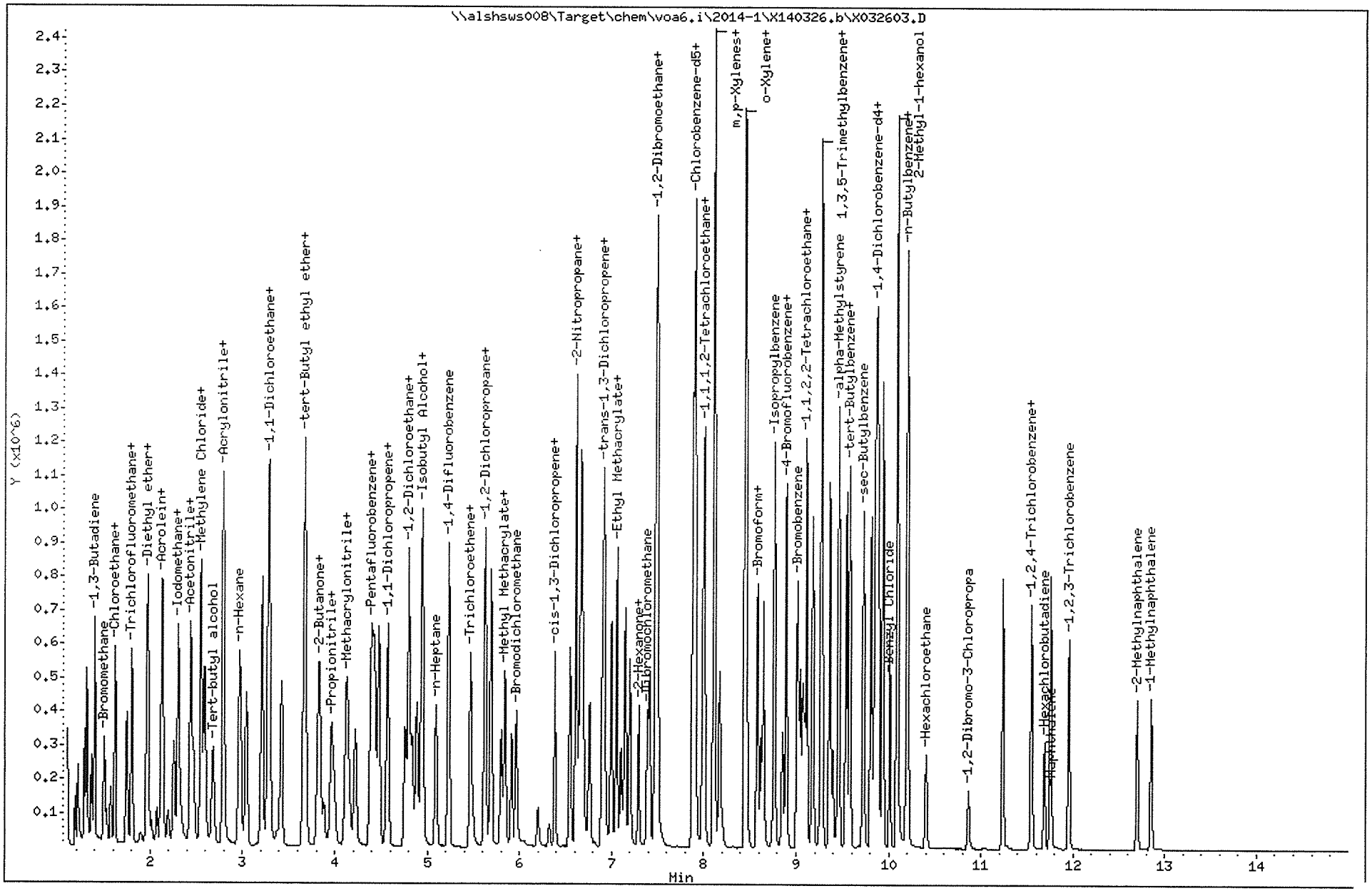
Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.476	4.476	(1.000)	444869	50.0000	
$ 30 Dibromofluoromethane	113	4.404	4.404	(0.984)	210886	49.7492	49.74
$ 35 1,2-Dichloroethane-d4	65	4.755	4.762	(1.062)	234202	47.6856	47.68
* 36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	659664	50.0000	
* 47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	630657	50.0000	
$ 48 Toluene-d8	98	6.610	6.610	(0.839)	792637	49.4645	49.46
$ 69 4-Bromofluorobenzene	95	8.895	8.895	(1.129)	310351	51.1003	51.10
* 70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	329236	50.0000	
33 1,2-Dichloroethane	62	4.841	4.841	(0.926)	210423	43.6017	43.60
24 2-Butanone	43	3.881	3.881	(0.867)	144327	98.5803	98.58
37 Benzene	78	4.798	4.798	(0.918)	632984	46.1182	46.11
38 Trichloroethene	130	5.464	5.464	(1.045)	173318	47.6620	47.66

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\X032603.D
Date : 26-MAR-2014 10:34
Client ID: VLCSW-140326
Sample Info: VLCSW-140326;VLCSW-140326;3;;LCS
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18



ALS Laboratory Group

Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\X032605.D
Lab Smp Id: VBLKW-140326 Client Smp ID: VBLKW-140326
Inj Date : 26-MAR-2014 12:11
Operator : PC Inst ID: voa6.i
Smp Info : VBLKW-140326;VBLKW-140326;3;;BLANK
Misc Info : 140321V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\8260W.m
Meth Date : 24-Oct-2014 11:31 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 13:35 Cal File: X031409.D
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

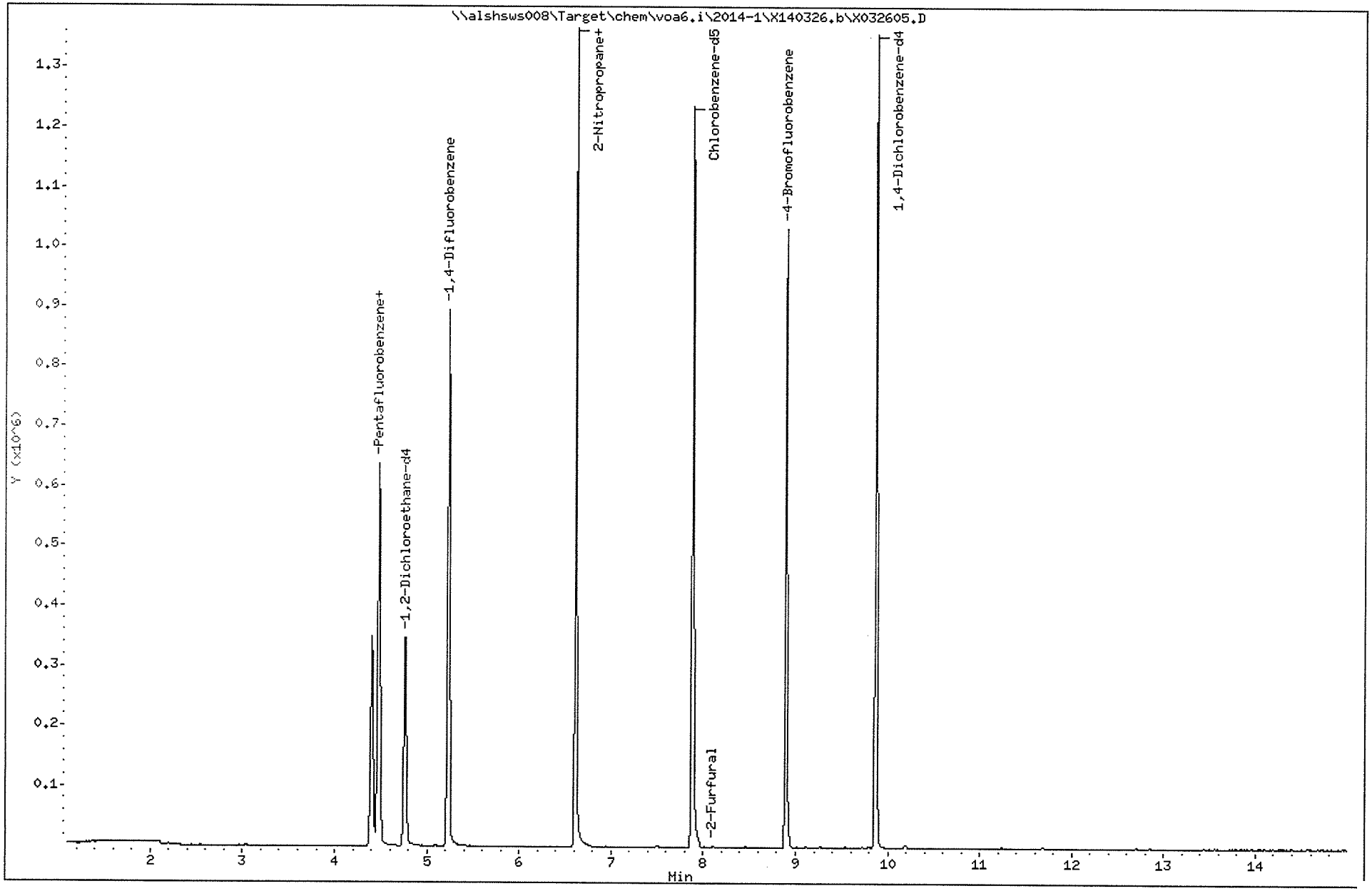
Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
*	1 Pentafluorobenzene	168	4.476	4.476	(1.000)	445279	50.0000	
$	30 Dibromofluoromethane	113	4.404	4.404	(0.984)	211631	49.8789	49.87
$	35 1,2-Dichloroethane-d4	65	4.762	4.762	(1.064)	242521	49.3340	49.33
*	36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	658935	50.0000	
*	47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	633660	50.0000	
$	48 Toluene-d8	98	6.610	6.610	(0.839)	784024	48.6952	48.69
$	69 4-Bromofluorobenzene	95	8.895	8.895	(1.129)	304729	49.9368	49.93
*	70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	315797	50.0000	

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\X032605.D
Date : 26-MAR-2014 12:11
Client ID: VBLKW-140326
Sample Info: VBLKW-140326;VBLKW-140326;3;;BLANK
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18



ALS Laboratory Group

Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\X032606.D
Lab Smp Id: 14030923-07A Client Smp ID: 14030923-07A
Inj Date : 26-MAR-2014 12:37
Operator : PC Inst ID: voa6.i
Smp Info : 14030923-07A;14030923-07A;;;
Misc Info : 140321V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\8260W.m
Meth Date : 24-Oct-2014 11:31 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 13:35 Cal File: X031409.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

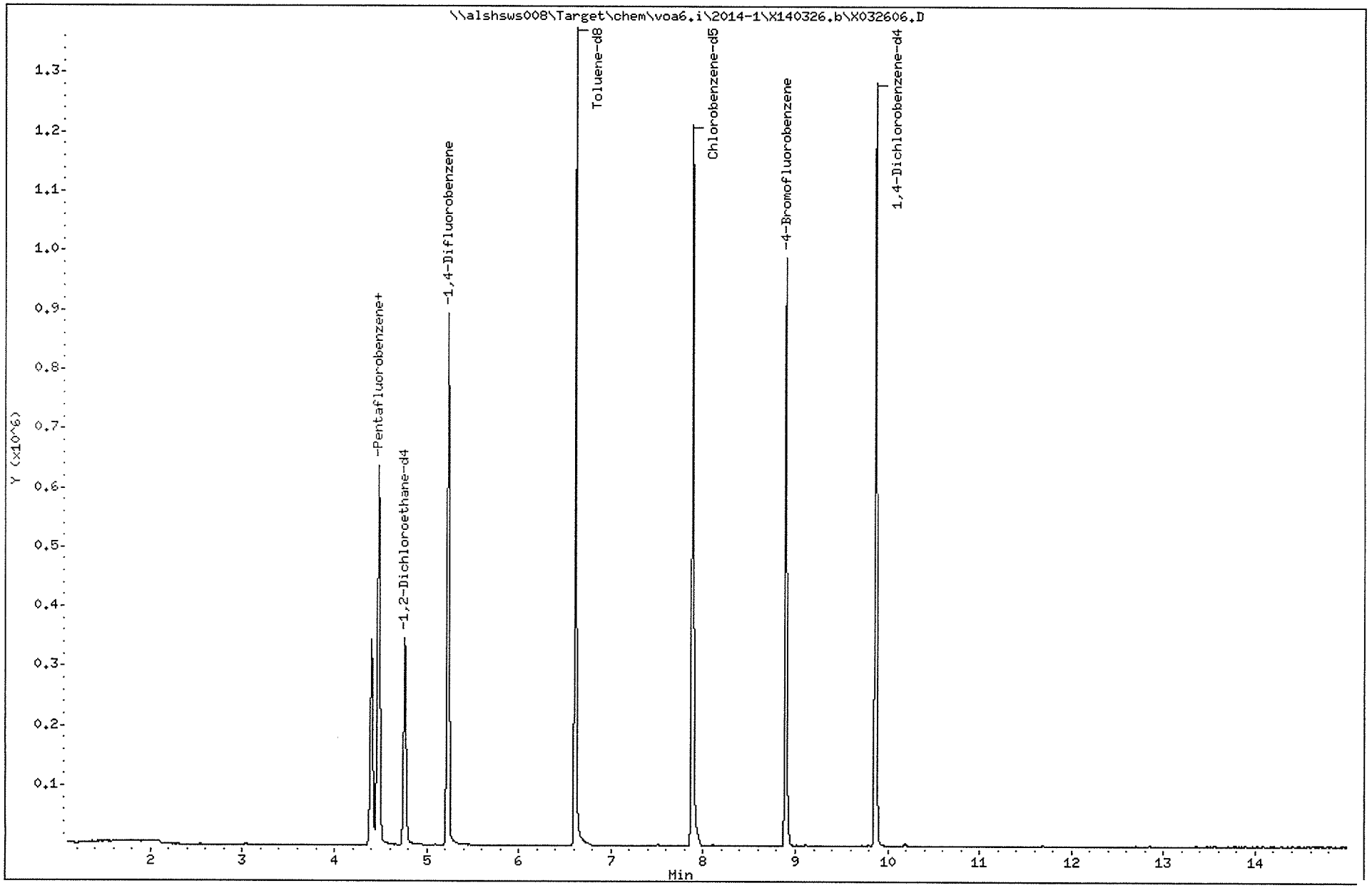
Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.476	4.476	(1.000)	446420	50.0000	
$ 30 Dibromofluoromethane	113	4.404	4.404	(0.984)	203156	47.7591	47.75
$ 35 1,2-Dichloroethane-d4	65	4.755	4.762	(1.062)	241097	48.9190	48.91
* 36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	657254	50.0000	
* 47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	637557	50.0000	
$ 48 Toluene-d8	98	6.610	6.610	(0.839)	776823	47.9530	47.95
$ 69 4-Bromofluorobenzene	95	8.895	8.895	(1.129)	301375	49.0853	49.08
* 70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	310527	50.0000	

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\X032606.D
Date : 26-MAR-2014 12:37
Client ID: 14030923-07A
Sample Info: 14030923-07A;14030923-07A;;;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18



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Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\X032607.D
Lab Smp Id: 14030923-06A Client Smp ID: 14030923-06A
Inj Date : 26-MAR-2014 12:59
Operator : PC Inst ID: voa6.i
Smp Info : 14030923-06A;14030923-06A;;;
Misc Info : 140321V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\8260W.m
Meth Date : 24-Oct-2014 11:31 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 13:35 Cal File: X031409.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

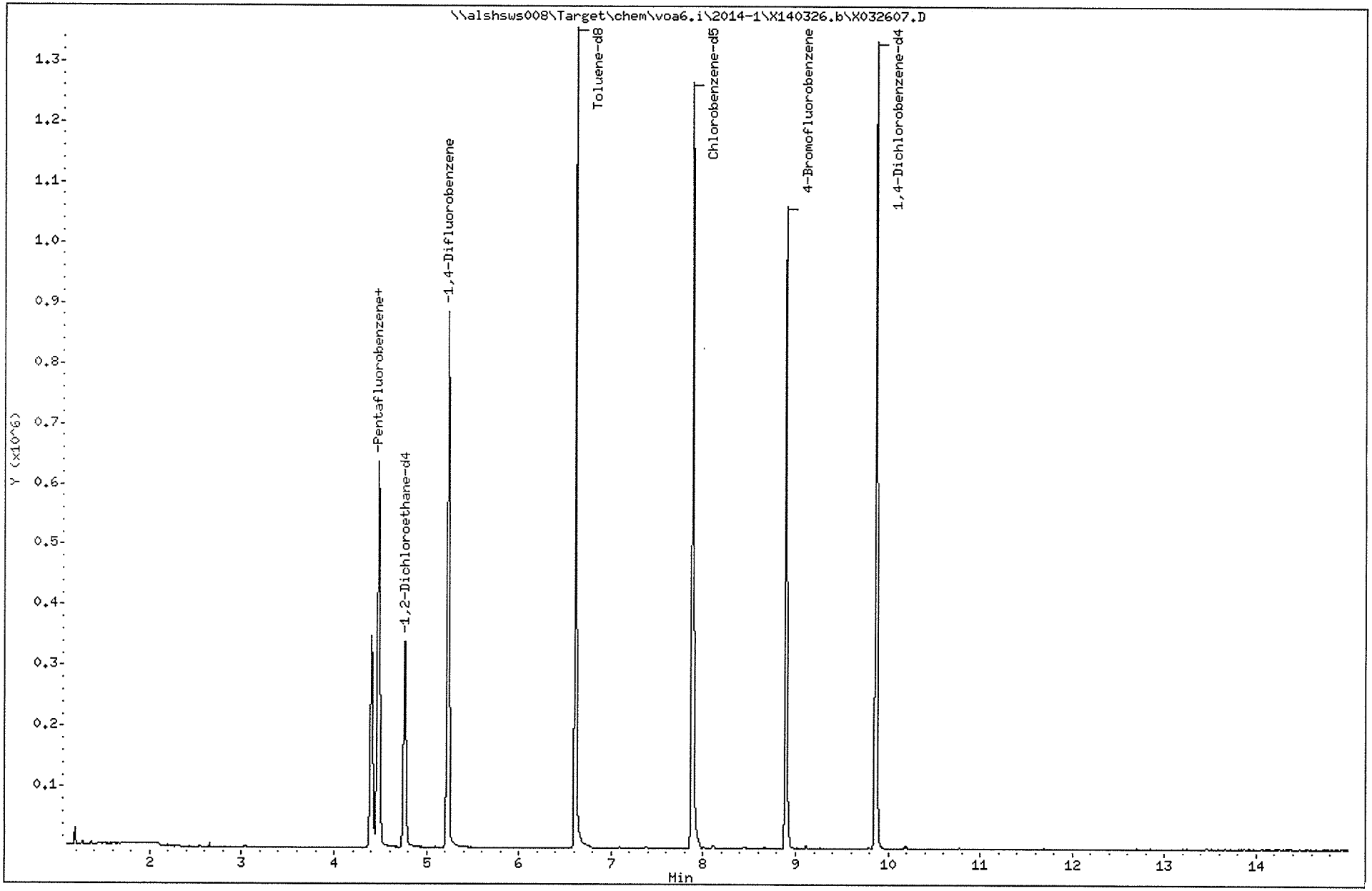
Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.476	4.476	(1.000)	443378	50.0000	
$ 30 Dibromofluoromethane	113	4.404	4.404	(0.984)	211932	50.1641	50.16
$ 35 1,2-Dichloroethane-d4	65	4.762	4.762	(1.064)	241879	49.4143	49.41
* 36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	654764	50.0000	
* 47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	642114	50.0000	
$ 48 Toluene-d8	98	6.610	6.610	(0.839)	778671	47.7259	47.72
$ 69 4-Bromofluorobenzene	95	8.895	8.895	(1.129)	307356	49.7042	49.70
* 70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	317652	50.0000	

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\X032607.D
Date : 26-MAR-2014 12:59
Client ID: 14030923-06A
Sample Info: 14030923-06A;14030923-06A;;;
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18



ALS Laboratory Group

Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\X032610.D
Lab Smp Id: 14030898-07AMS Client Smp ID: 14030898-07AMS
Inj Date : 26-MAR-2014 14:15
Operator : PC Inst ID: voa6.i
Smp Info : 14030898-07AMS;14030898-07AMS;3;;MS
Misc Info : 140321V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\8260W.m
Meth Date : 24-Oct-2014 11:31 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 13:35 Cal File: X031409.D
Als bottle: 10 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

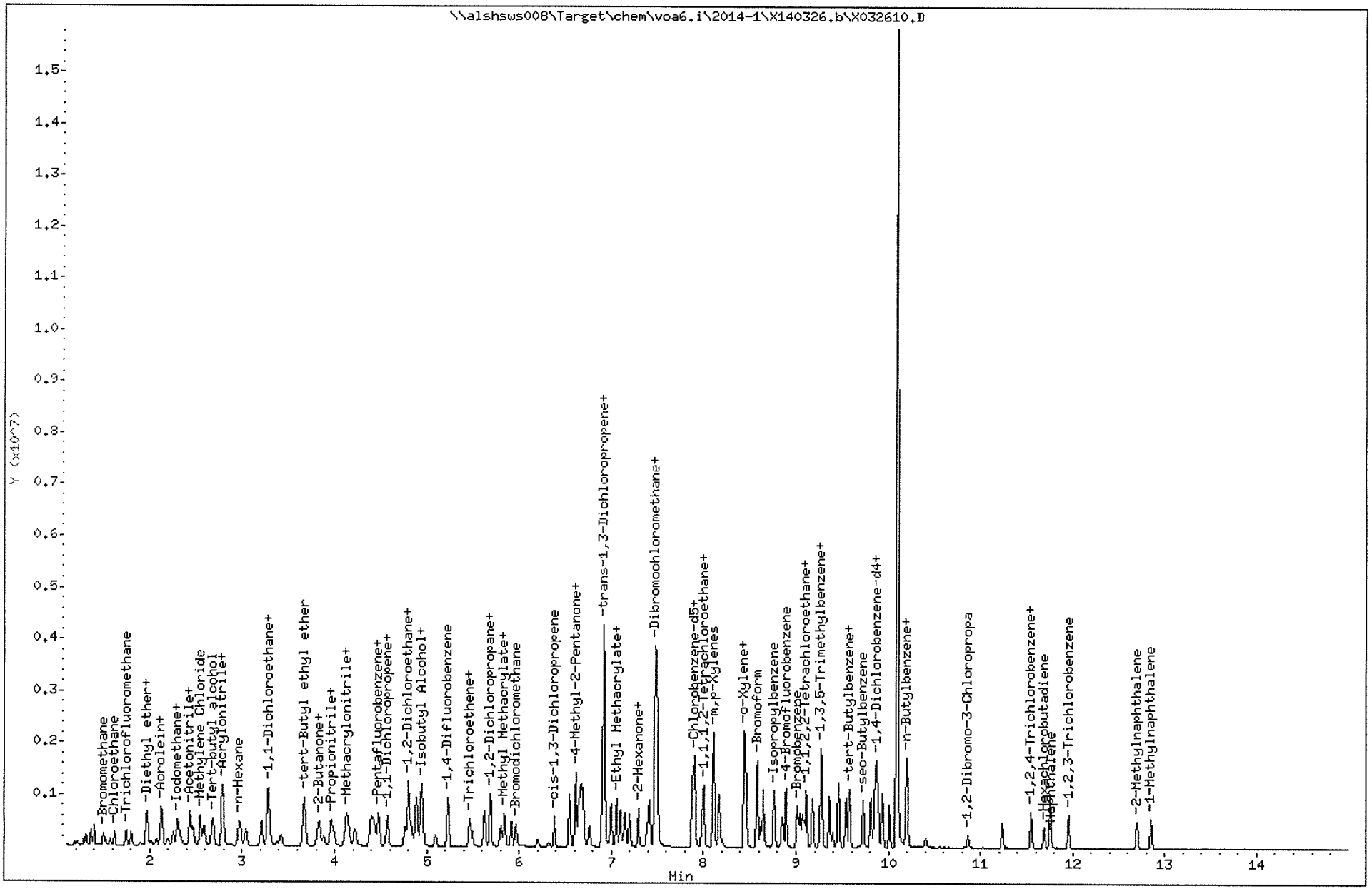
Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.476	4.476	(1.000)	435857	50.0000	
$ 30 Dibromofluoromethane	113	4.404	4.404	(0.984)	200894	48.3719	48.37
$ 35 1,2-Dichloroethane-d4	65	4.755	4.762	(1.062)	246906	51.3117	51.31
* 36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	677794	50.0000	
* 47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	641027	50.0000	
$ 48 Toluene-d8	98	6.610	6.610	(0.839)	808359	49.6296	49.62
$ 69 4-Bromofluorobenzene	95	8.895	8.895	(1.129)	317060	51.3604	51.36
* 70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	340093	50.0000	
33 1,2-Dichloroethane	62	4.841	4.841	(0.926)	237934	47.9835	47.98
24 2-Butanone	43	3.881	3.881	(0.867)	204391	142.493	142.49
37 Benzene	78	4.798	4.798	(0.918)	859120	60.9198	60.91
38 Trichloroethene	130	5.464	5.464	(1.045)	164730	44.0886	44.08

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\X032610.D
Date : 26-MAR-2014 14:15
Client ID: 14030898-07AMS
Sample Info: 14030898-07AMS;14030898-07AMS;3;;MS
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18



ALS Laboratory Group

Data file : \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\X032611.D
Lab Smp Id: 14030898-07AMSD Client Smp ID: 14030898-07AMSD
Inj Date : 26-MAR-2014 14:40
Operator : PC Inst ID: voa6.i
Smp Info : 14030898-07AMSD;14030898-07AMSD;3;;MSD
Misc Info : 140321V6;WATER;0;1;
Comment :
Method : \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\8260W.m
Meth Date : 24-Oct-2014 11:31 voa6.i Quant Type: ISTD
Cal Date : 14-MAR-2014 13:35 Cal File: X031409.D
Als bottle: 11 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260-Golder.sub
Target Version: 4.14
Processing Host: NAHSTW7012

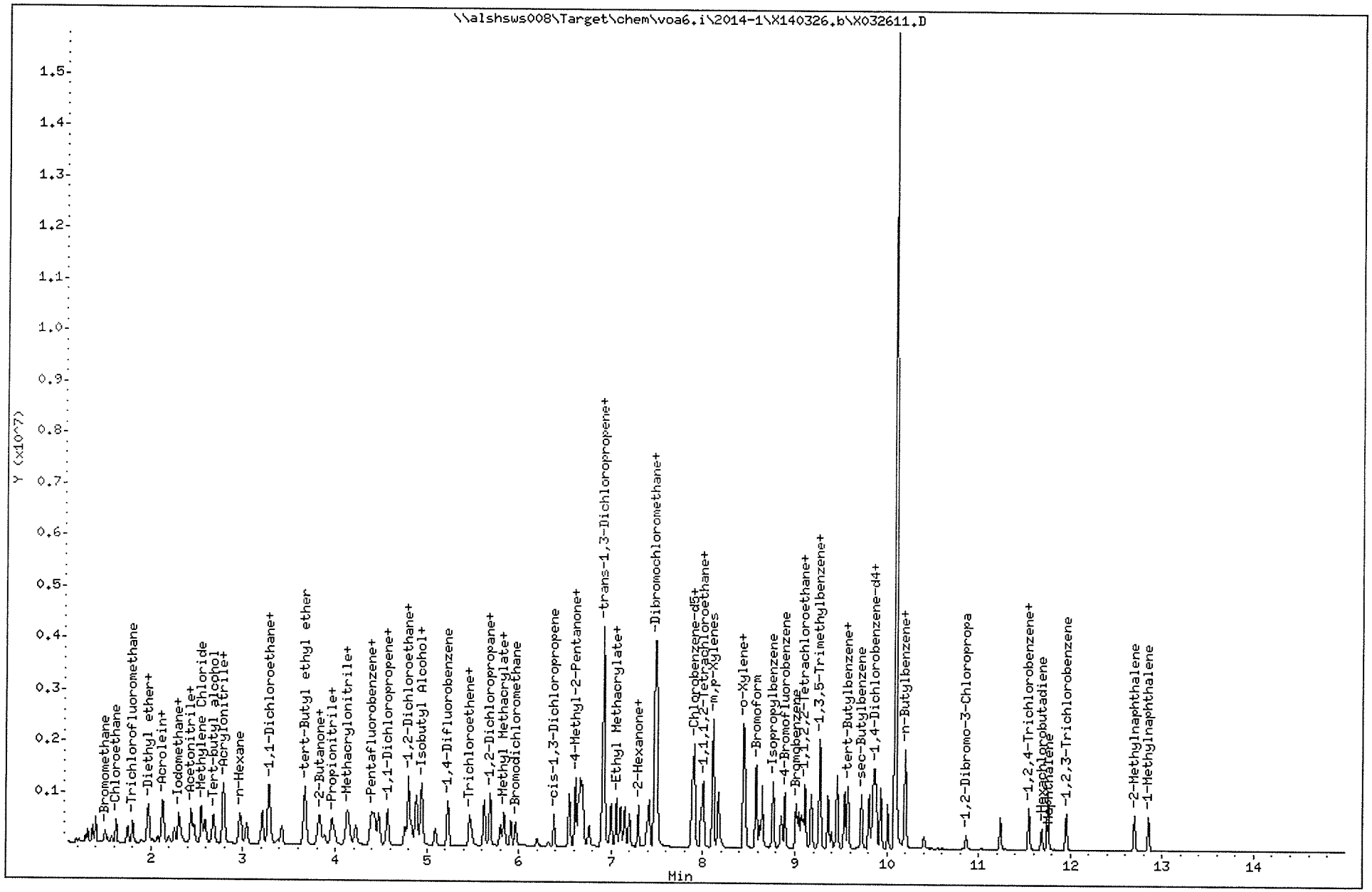
Concentration Formula: Amt * DF * (Uf/Vo)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Pentafluorobenzene	168	4.476	4.476	(1.000)	419125	50.0000	
$ 30 Dibromofluoromethane	113	4.404	4.404	(0.984)	197880	49.5483	49.54
$ 35 1,2-Dichloroethane-d4	65	4.755	4.762	(1.062)	228391	49.3588	49.35
* 36 1,4-Difluorobenzene	114	5.228	5.228	(1.000)	622987	50.0000	
* 47 Chlorobenzene-d5	117	7.878	7.878	(1.000)	595061	50.0000	
$ 48 Toluene-d8	98	6.610	6.610	(0.839)	753731	49.8503	49.85
$ 69 4-Bromofluorobenzene	95	8.895	8.895	(1.129)	296975	51.8229	51.82
* 70 1,4-Dichlorobenzene-d4	152	9.870	9.870	(1.000)	314625	50.0000	
33 1,2-Dichloroethane	62	4.841	4.841	(0.926)	232363	50.9825	50.98
24 2-Butanone	43	3.881	3.881	(0.867)	210707	152.760	152.76
37 Benzene	78	4.798	4.798	(0.918)	881120	67.9764	67.97
38 Trichloroethene	130	5.464	5.464	(1.045)	182179	53.0482	53.04

Data File: \\alshsws008\Target\chem\voa6.i\2014-1\X140326.b\X032611.D
Date : 26-MAR-2014 14:40
Client ID: 14030898-07AMSD
Sample Info: 14030898-07AMSD;14030898-07AMSD;3;;MSD
Purge Volume: 5.0
Column phase: DB624

Instrument: voa6.i
Operator: PC
Column diameter: 0.18



Semivolatile Organics Raw Data

Golder Associates, Inc.
Project: 0303116 USOR PRP

ALS WO# HS14030923

FORM 2
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ALS GROUP Contract:

Lab Code: Case No.: SAS No.: SDG No.: 14030923

	CLIENT SAMPLE NO.	S1 (2FP)#	S2 #	S3 (NBZ)#	S4 (FBP)#	S5 (TBP)#	S6 #	S7 #	S8 #	TOT OUT
01	SBLKW2-140325	53	63	69	64	64	68			0
02	SLCSW2-140325	65	70	72	70	77	70			0
03	SLCSDW2-14032	62	66	71	66	74	66			0
04	14030923-01B	51	56	59	52	62	58			0
05	14030923-02B	46	50	54	53	73	68			0
06	14030923-03B	48	55	53	53	70	58			0
07	14030923-04B	49	55	58	56	80	69			0
08	14030923-05B	45	51	52	51	62	58			0
09	14030923-06B	45	46	49	52	72	66			0
10										
11										
12										
13										
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28										

		QC LIMITS
S1 (2FP)	= 2-Fluorophenol	(32-115)
S2	= Phenol-d6	(21-119)
S3 (NBZ)	= Nitrobenzene-d5	(44-115)
S4 (FBP)	= 2-Fluorobiphenyl	(48-115)
S5 (TBP)	= 2,4,6-Tribromophenol	(34-129)
S6	= 4-Terphenyl-d14	(47-117)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

SV06 -Logbook

Batch: 12211 **Analyst:** Linda Graham
Date: 03-18-2014 **Reviewer:**
Method: 8270D-LL **Laboratory:** Houston
Comments: MSSV003-LL

#	Samp ID	Type	Analyzed	DF	Init Wt/Vol	Final Vol	File ID	Matrix	Status	pH
1	DFTPP	DFTPP	03-18-2014 12:39 pm	1.00			001.D		Y	NA
2	SLSTD-2.5	CALIB_4	03-18-2014 12:56 pm	1.00			002.D		Y	NA
3	SLSTD-0.1	SAMP	03-18-2014 01:21 pm	1.00			003.D		Y	NA
4	SLSTD-0.2	SAMP	03-18-2014 01:41 pm	1.00			004.D		Y	NA
5	SLSTD-0.1	CALIB_8	03-18-2014 02:02 pm	1.00			005.D		Y	NA
6	SLSTD-0.5	CALIB_2	03-18-2014 02:21 pm	1.00			006.D		Y	NA
7	SLSTD-0.2	CALIB_1	03-18-2014 02:41 pm	1.00			007.D		Y	NA
8	SLSTD-1.0	CALIB_3	03-18-2014 03:00 pm	1.00			008.D		Y	NA
9	SLSTD-5.0	CALIB_5	03-18-2014 03:20 pm	1.00			009.D		Y	NA
10	SLSTD-7.5	CALIB_6	03-18-2014 03:39 pm	1.00			010.D		Y	NA
11	SLSTD-10.0	CALIB_7	03-18-2014 03:59 pm	1.00			011.D		Y	NA
12	LOT2ICV-2.5	METHSPIKI	03-18-2014 04:18 pm	1.00			012.D		Y	NA
13	CRLTICV-2.5	METHSPIKI	03-18-2014 04:38 pm	1.00			013.D		Y	NA

Chemical	Value
IS ID	28603-94-03
CAL STD ID	28603-62-02
DFTPP ID	28603-89-02
PCP Tailing	0.75
Benz. Tailing	0.46

FORM 3
WATER SEMIVOLATILE METHOD SPIKE RECOVERY

Lab Name: ALS GROUP Contract:

Lab Code: Case No.: SAS No.: SDG No.: HS14030923

Matrix Spike - Sample No.: LOT2ICV-2.5

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	% REC #	QC. LIMITS REC.
2-Methylphenol	2.500	1.868	75	75-125
3&4-Methylphenol	2.500	1.981	79	75-125

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

_____

FORM III SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: ALS GROUP Contract:

Lab Code: Case No.: SAS No.: SDG No.: HS14030923

Instrument ID: SV6 Calibration Date(s): 03/18/14 03/18/14

Column: RTX-5SIL MS ID: 0.28 (mm) Calibration Time(s): 1256 1559

LAB FILE ID: RF0.2: 007 RF0.5: 006 RF1: 008
RF2.5: 002 RF5: 009 RF7.5: 010

COMPOUND	RF0.2	RF0.5	RF1	RF2.5	RF5	RF7.5
2-Methylphenol	1.088	1.029	1.008	1.133	1.071	1.138
3&4-Methylphenol	1.178	1.294	1.190	1.341	1.255	1.352
2-Fluorophenol	1.164	1.177	1.109	1.219	1.134	1.186
Phenol-d6	1.205	1.406	1.242	1.425	1.331	1.404
Nitrobenzene-d5	0.318	0.307	0.295	0.323	0.312	0.317
2-Fluorobiphenyl	1.409	1.318	1.295	1.423	1.312	1.387
2,4,6-Tribromophenol	0.243	0.219	0.212	0.233	0.228	0.242
4-Terphenyl-d14	0.886	0.805	0.809	0.891	0.827	0.891

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: ALS GROUP Contract:

Lab Code: Case No.: SAS No.: SDG No.: HS1403092

Instrument ID: SV6 Calibration Date(s): 03/18/14 03/18/14

Column: RTX-5SIL MS ID: 0.28 (mm) Calibration Time(s): 1256 1559

LAB FILE ID: RF10: 011 RF0.1: 005

COMPOUND	RF10	RF0.1	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2
2-Methylphenol	1.101	0.990	AVRG	1.06953828	5.222	20.000
3&4-Methylphenol	1.263	1.258	AVRG	1.26648308	4.958	20.000
2-Fluorophenol	1.082	1.052	AVRG	1.14047082	4.969	20.000
Phenol-d6	1.335	1.181	AVRG	1.31594219	7.286	20.000
Nitrobenzene-d5	0.315	0.284	AVRG	0.30892984	4.203	20.000
2-Fluorobiphenyl	1.327	1.298	AVRG	1.34607087	3.857	20.000
2,4,6-Tribromophenol	0.236	0.190	AVRG	0.22550571	7.959	20.000
4-Terphenyl-d14	0.842	0.834	AVRG	0.84824008	4.263	20.000

FORM VI SV

Data File: \\alshsws008\Target\chem\SV6.i\140318.b\001.D

Date : 18-MAR-2014 12:39

Client ID: DFTPP

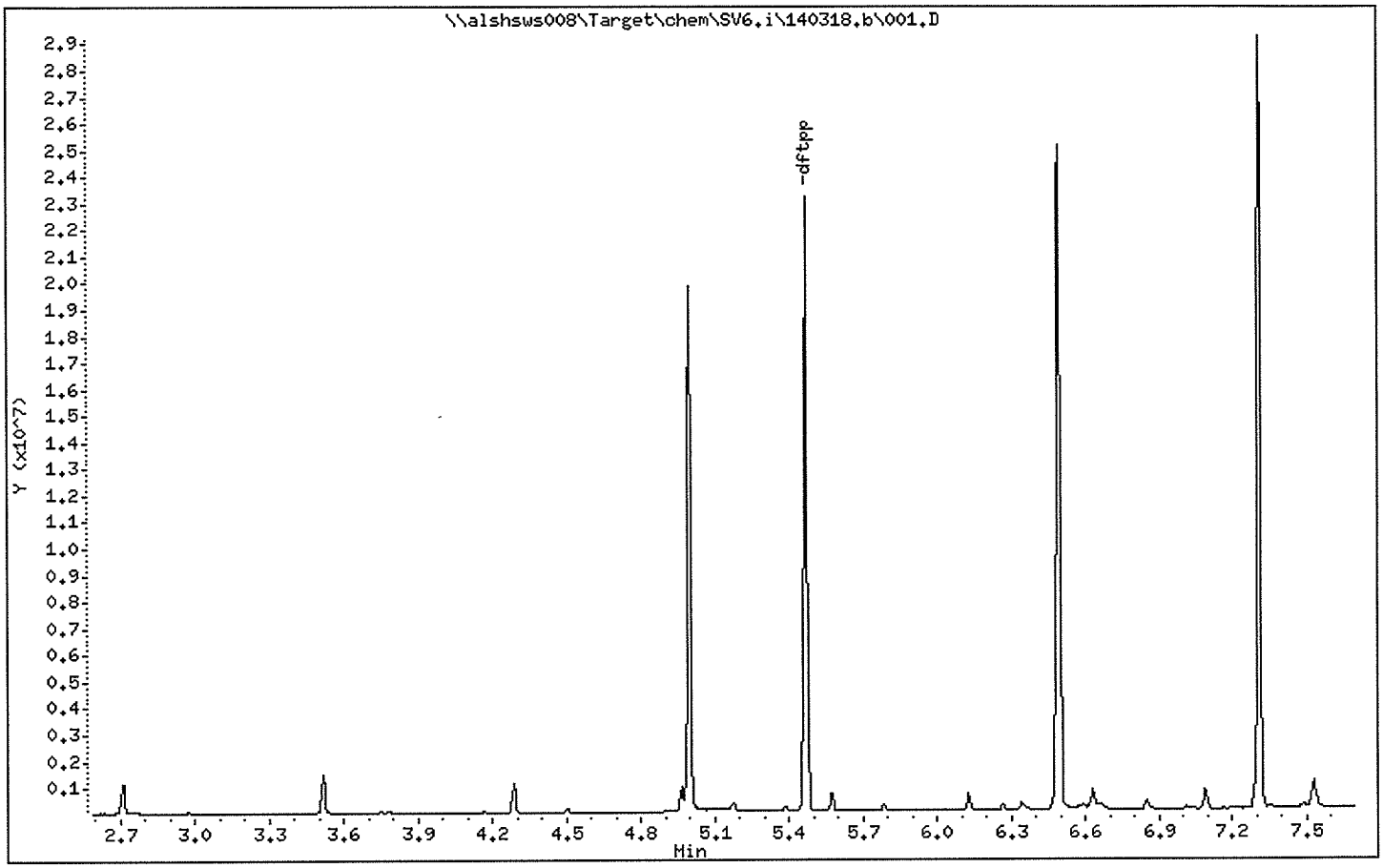
Instrument: SV6.i

Sample Info: DFTPP;DFTPP;3;;DFTPP

Operator: LG

Column phase: DB-5MS

Column diameter: 0.25



Data File: \\alshsws008\Target\chem\SV6.i\140318.b\001.D

Date : 18-MAR-2014 12:39

Client ID: DFTPP

Instrument: SV6.i

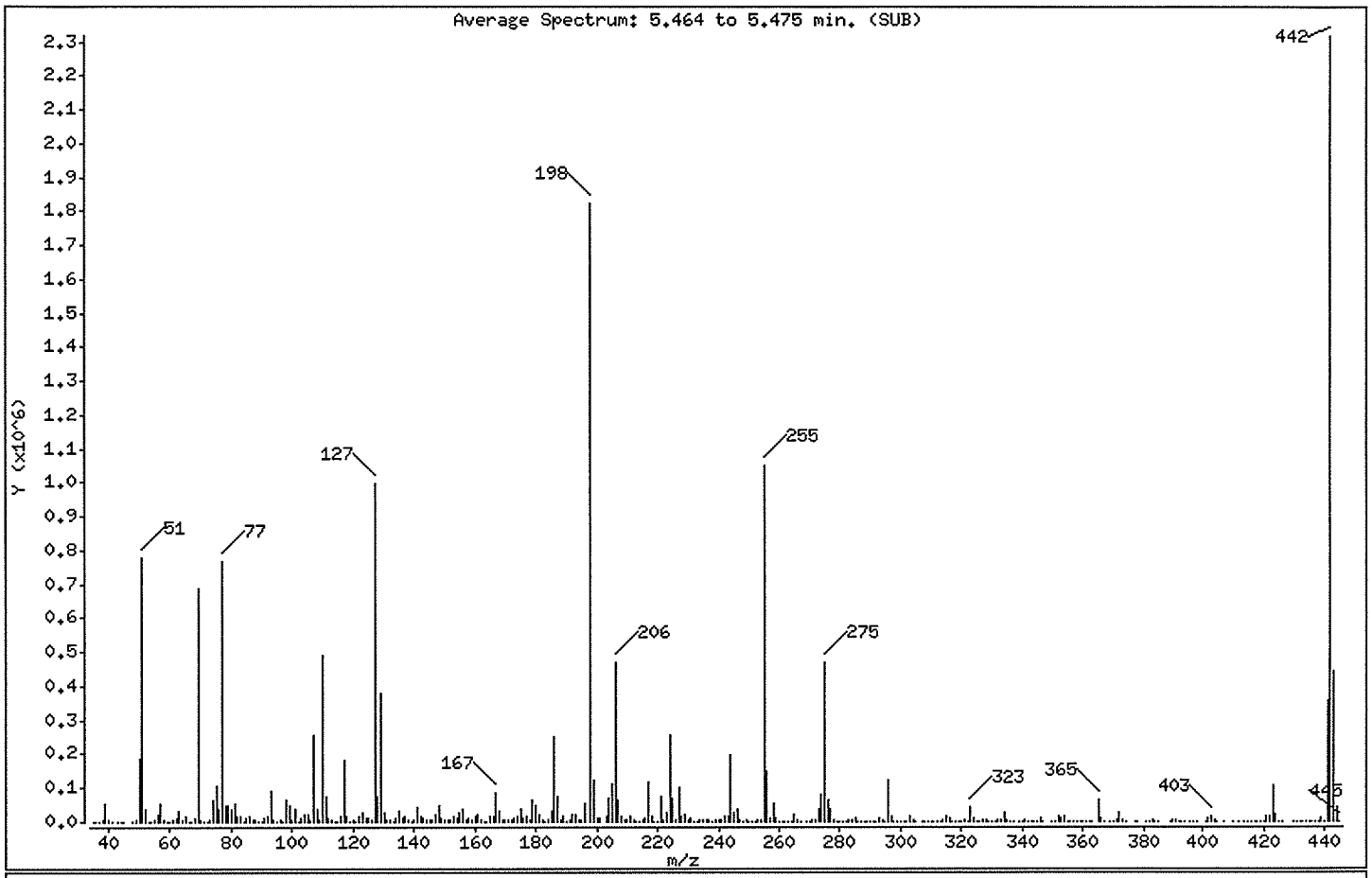
Sample Info: DFTPP;DFTPP;3;;DFTPP

Operator: LG

Column phase: DB-5MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	42.87
68	Less than 2.00% of mass 69	0.58 (1.52)
69	Mass 69 relative abundance	37.84
70	Less than 2.00% of mass 69	0.18 (0.46)
127	10.00 - 80.00% of mass 198	54.78
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.70
275	10.00 - 60.00% of mass 198	25.82
365	1.00 - 100.00% of mass 198	3.41
441	Present, but less than mass 443	19.56
442	50.00 - 150.00% of mass 198	127.33
443	15.00 - 24.00% of mass 442	24.31 (19.10)

Date : 18-MAR-2014 12:39

Client ID: DFTPP Instrument: SV6.i

Sample Info: DFTPP;DFTPP;3;;DFTPP

Operator: LG

Column phase: DB-5MS Column diameter: 0.25

Data File: 001.D
Spectrum: Average Spectrum: 5.464 to 5.475 min. (SUB)
Location of Maximum: 442.00
Number of points: 381

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	286	134.00	10413	232.00	1316	330.00	308
36.00	655	135.00	31416	233.00	2220	331.00	347
37.00	2382	136.00	11627	234.00	5760	332.00	3385
38.00	7276	137.00	13978	235.00	7303	333.00	4992
39.00	51976	138.00	2790	236.00	4691	334.00	28296
40.00	2832	139.00	1988	237.00	7809	335.00	7971
41.00	606	140.00	4837	238.00	1320	336.00	1073
43.00	469	141.00	44272	239.00	4581	337.00	228
44.00	618	142.00	15684	240.00	3114	339.00	705
45.00	177	143.00	9291	241.00	5479	340.00	586
48.00	151	144.00	3456	242.00	13364	341.00	4278
49.00	4638	145.00	3029	243.00	16193	342.00	1823
50.00	184640	146.00	7317	244.00	196928	343.00	139
51.00	780672	147.00	23952	245.00	26160	344.00	300
52.00	35752	148.00	49736	246.00	38752	345.00	448
53.00	1820	149.00	8263	247.00	7711	346.00	8524
54.00	423	150.00	3626	248.00	2192	347.00	1379
55.00	3435	151.00	7304	249.00	6881	350.00	832
56.00	21752	152.00	4058	250.00	1703	351.00	1139
57.00	52848	153.00	14495	251.00	2239	352.00	14434
58.00	3144	154.00	10941	252.00	2254	353.00	9999
59.00	276	155.00	25112	253.00	5321	354.00	16051
60.00	769	156.00	37416	254.00	4223	355.00	2498
61.00	7668	157.00	7386	255.00	1048448	356.00	131
62.00	10541	158.00	9161	256.00	146624	357.00	386
63.00	30192	159.00	6587	257.00	10901	358.00	359
64.00	3166	160.00	13800	258.00	51368	359.00	1288
65.00	13404	161.00	20656	259.00	9755	360.00	75
66.00	429	162.00	6236	260.00	1638	361.00	874
67.00	1875	163.00	1748	261.00	1889	362.00	166
68.00	10507	164.00	2513	262.00	576	363.00	609
69.00	689088	165.00	16568	263.00	494	365.00	62120
70.00	3194	166.00	15487	264.00	1696	366.00	8502
71.00	511	167.00	85432	265.00	22616	367.00	863
72.00	2	168.00	34400	266.00	3234	369.00	259

Date : 18-MAR-2014 12:39

Client ID: DFTPP Instrument: SV6.i

Sample Info: DFTPP;DFTPP;3;;DFTPP

Operator: LG

Column phase: DB-5MS Column diameter: 0.25

Data File: 001.D
Spectrum: Average Spectrum: 5.464 to 5.475 min. (SUB)
Location of Maximum: 442.00
Number of points: 381

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	5484	169.00	7358	267.00	854	370.00	2317
74.00	64896	170.00	3948	269.00	770	371.00	4858
75.00	106848	171.00	2695	270.00	1308	372.00	24376
76.00	35424	172.00	7871	271.00	2708	373.00	6052
77.00	765184	173.00	10361	272.00	3344	374.00	707
78.00	47672	174.00	17664	273.00	35824	377.00	790
79.00	47272	175.00	35256	274.00	80056	378.00	213
80.00	38664	176.00	10502	275.00	470272	381.00	117
81.00	55920	177.00	14222	276.00	62192	382.00	63
82.00	14393	178.00	5963	277.00	37448	383.00	7461
83.00	13582	179.00	63248	278.00	5227	384.00	1787
84.00	1144	180.00	46568	279.00	1813	385.00	990
85.00	8605	181.00	21624	280.00	343	389.00	552
86.00	14417	182.00	3393	281.00	486	390.00	3438
87.00	6930	183.00	2297	282.00	1399	391.00	2791
88.00	2977	184.00	5605	283.00	5375	392.00	1866
89.00	1384	185.00	33176	284.00	3093	393.00	274
90.00	92	186.00	252992	285.00	8538	394.00	52
91.00	11995	187.00	73384	286.00	1260	396.00	82
92.00	14239	188.00	6288	287.00	81	397.00	260
93.00	88576	189.00	15025	288.00	639	398.00	112
94.00	6303	190.00	2232	289.00	971	401.00	1592
95.00	953	191.00	6630	290.00	1503	402.00	11232
96.00	4216	192.00	19832	291.00	1476	403.00	16400
97.00	1022	193.00	19288	292.00	2242	404.00	4923
98.00	62360	194.00	4643	293.00	9073	405.00	494
99.00	47560	195.00	3670	294.00	2945	407.00	69
100.00	4734	196.00	54944	295.00	1806	410.00	595
101.00	38200	198.00	1821184	296.00	124600	412.00	84
102.00	1804	199.00	122056	297.00	18584	414.00	90
103.00	10758	200.00	10181	298.00	1422	415.00	990
104.00	20752	201.00	9016	299.00	170	416.00	133
105.00	19464	203.00	13458	300.00	73	417.00	116
106.00	5962	204.00	67576	301.00	1892	418.00	224
107.00	257472	205.00	111864	302.00	1748	419.00	289

Date : 18-MAR-2014 12:39

Client ID: DFTPP Instrument: SV6.i

Sample Info: DFTPP;DFTPP;3;;DFTPP

Operator: LG

Column phase: DB-5MS Column diameter: 0.25

Data File: 001.D
Spectrum: Average Spectrum: 5.464 to 5.475 min. (SUB)
Location of Maximum: 442.00
Number of points: 381

m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	38840	206.00	470976	303.00	14644	420.00	335
109.00	7477	207.00	61896	304.00	3394	421.00	13768
110.00	488960	208.00	14243	305.00	561	422.00	13688
111.00	72968	209.00	3757	307.00	258	423.00	105016
112.00	8464	210.00	5574	308.00	2094	424.00	20144
113.00	2747	211.00	15905	309.00	1499	425.00	2193
114.00	1130	212.00	3335	310.00	1876	426.00	73
115.00	982	213.00	1000	311.00	710	430.00	51
116.00	13369	214.00	760	312.00	661	431.00	424
117.00	181824	215.00	4974	313.00	1389	432.00	425
118.00	13424	216.00	9761	314.00	6354	433.00	351
119.00	1801	217.00	115384	315.00	14816	434.00	950
120.00	3618	218.00	15380	316.00	8657	435.00	1216
121.00	895	219.00	2500	317.00	1981	436.00	2448
122.00	15487	220.00	1513	318.00	232	437.00	1598
123.00	26976	221.00	76568	319.00	89	438.00	2400
124.00	11647	222.00	6717	320.00	482	439.00	8699
125.00	12202	223.00	26488	321.00	4276	440.00	1306
126.00	5673	224.00	254784	322.00	1501	441.00	356096
127.00	997568	225.00	67640	323.00	44304	442.00	2318848
128.00	75968	226.00	7290	324.00	8266	443.00	442816
129.00	376576	227.00	102496	325.00	572	444.00	41376
130.00	29128	228.00	14546	326.00	1113	445.00	2376
131.00	4588	229.00	20512	327.00	7154		
132.00	4447	230.00	3062	328.00	4000		
133.00	1821	231.00	8447	329.00	733		

ALS Laboratory Group

GC/MS Semivolatiles EPA method 8270D

Data file : \\alshsws008\Target\chem\SV6.i\140318.b\002.D
Lab Smp Id: SLSTD-2.5 Client Smp ID: SLSTD-2.5
Inj Date : 18-MAR-2014 12:56 MS Autotune Date: 27-FEB-2008 05:32
Operator : LG Inst ID: SV6.i
Smp Info : SLSTD-2.5;SLSTD-2.5
Misc Info : ;;0;1;
Comment :
Method : \\alshsws008\Target\chem\SV6.i\140318.b\R8270DLL.m
Meth Date : 10-Nov-2014 15:00 SV6.i Quant Type: ISTD
Cal Date : 18-MAR-2014 15:59 Cal File: 011.D
Als bottle: 2 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2MP.sub
Target Version: 4.14
Processing Host: ALSHSW7106

Concentration Formula: Amt * DF * Uf * Vt/Vo * CpndVariable

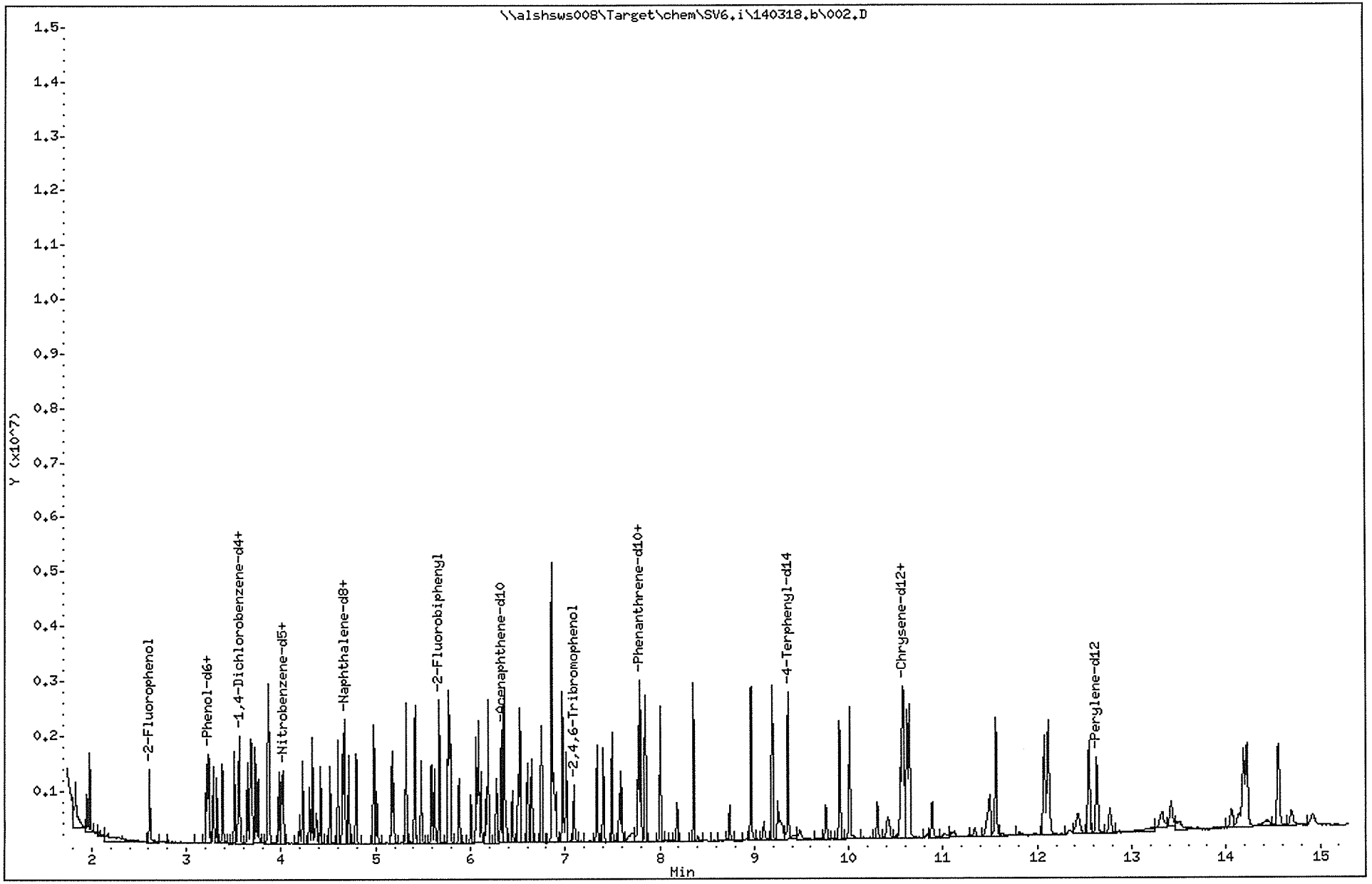
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 20 1,4-Dichlorobenzene-d4	152	3.544	3.544	(1.000)	194114	2.00000	(Q)
$ 9 2-Fluorophenol	112	2.608	2.608	(0.736)	295730	2.50000	2.672
$ 13 Phenol-d6	99	3.229	3.229	(0.911)	345691	2.50000	2.707
* 45 Naphthalene-d8	136	4.651	4.651	(1.000)	775502	2.00000	
$ 33 Nitrobenzene-d5	82	4.004	4.004	(0.861)	313233	2.50000	2.615
* 86 Acenaphthene-d10	164	6.326	6.326	(1.000)	393413	2.00000	
$ 69 2-Fluorobiphenyl	172	5.673	5.673	(0.897)	699996	2.50000	2.644
$ 105 2,4,6-Tribromophenol	330	7.096	7.096	(1.122)	114711	2.50000	2.586
* 126 Phenanthrene-d10	188	7.775	7.775	(1.000)	700711	2.00000	
$ 158 4-Terphenyl-d14	244	9.358	9.358	(0.884)	788671	2.50000	2.627
* 182 Chrysene-d12	240	10.588	10.588	(1.000)	707806	2.00000	
* 198 Perylene-d12	264	12.632	12.632	(1.000)	733733	2.00000	
24 2-Methylphenol	108	3.726	3.726	(1.051)	274939	2.50000	2.648
29 3&4-Methylphenol	107	3.855	3.855	(1.088)	325399	2.50000	2.647

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\alshsws008\Target\chem\SV6.i\140318.b\002.D
Date : 18-MAR-2014 12:56
Client ID: SLSTD-2.5
Instrument: SV6.i
Sample Info: SLSTD-2.5;SLSTD-2.5
Purge Volume: 1000.0
Operator: LG
Column phase: RTX-5SIL MS
Column diameter: 0.28



ALS Laboratory Group

GC/MS Semivolatiles EPA method 8270D

Data file : \\alshsws008\Target\chem\SV6.i\140318.b\005.D
Lab Smp Id: SLSTD-0.1 Client Smp ID: SLSTD-0.1
Inj Date : 18-MAR-2014 14:02 MS Autotune Date: 27-FEB-2008 05:32
Operator : LG Inst ID: SV6.i
Smp Info : SLSTD-0.1;SLSTD-0.1
Misc Info : ;;0;1;
Comment :
Method : \\alshsws008\Target\chem\SV6.i\140318.b\R8270DLL.m
Meth Date : 10-Nov-2014 15:00 SV6.i Quant Type: ISTD
Cal Date : 18-MAR-2014 12:56 Cal File: 002.D
Als bottle: 5 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2MP.sub
Target Version: 4.14
Processing Host: ALSHSW7106

Concentration Formula: Amt * DF * Uf * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

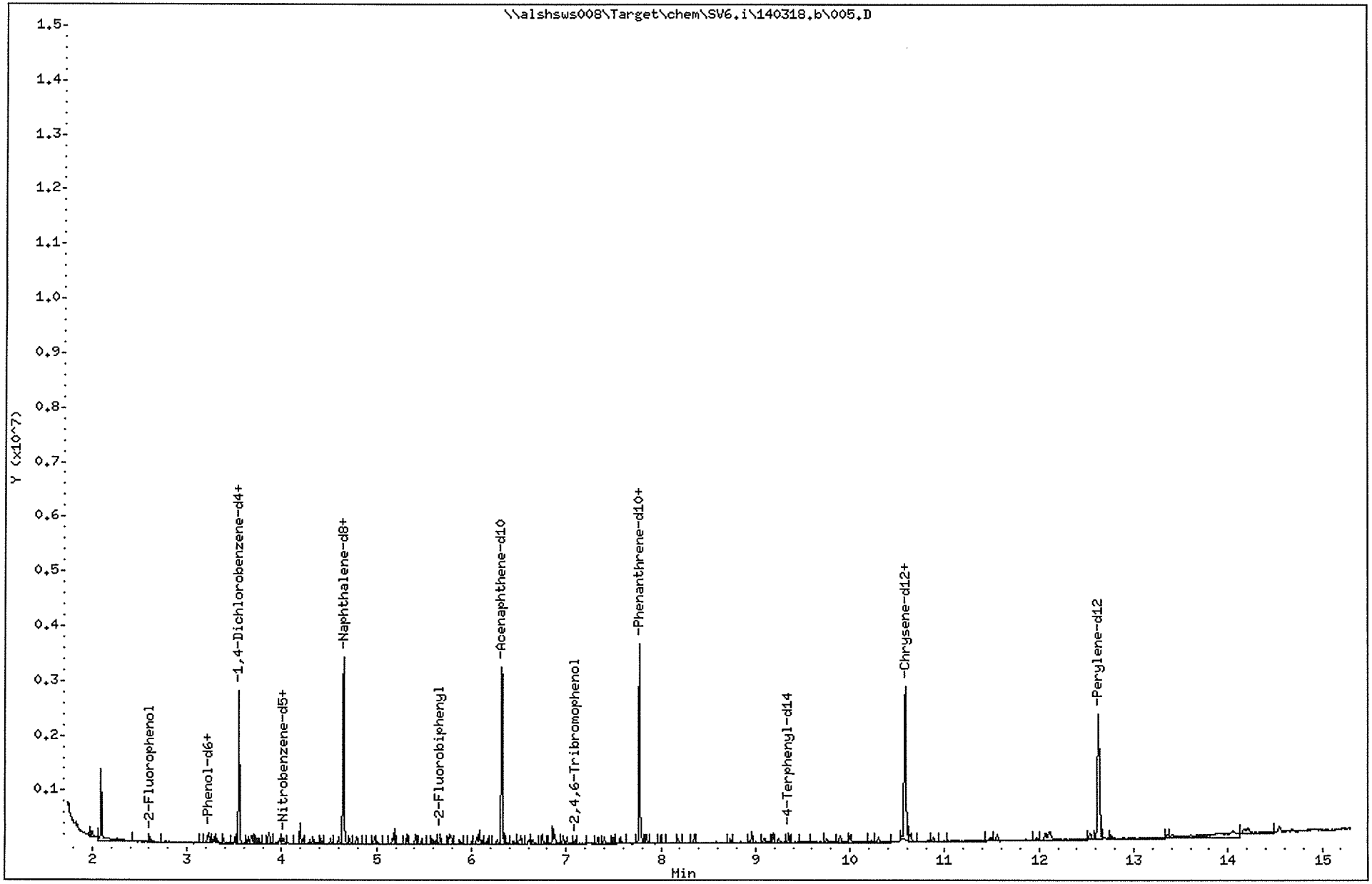
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 20 1,4-Dichlorobenzene-d4	152	3.544	3.544	(1.000)	384818	2.00000	
$ 9 2-Fluorophenol	112	2.614	2.614	(0.737)	20244	0.10000	0.09225(a)
$ 13 Phenol-d6	99	3.229	3.229	(0.911)	22718	0.10000	0.08972(a)
* 45 Naphthalene-d8	136	4.651	4.651	(1.000)	1426621	2.00000	
$ 33 Nitrobenzene-d5	82	4.004	4.004	(0.861)	20285	0.10000	0.09205(a)
* 86 Acenaphthene-d10	164	6.320	6.320	(1.000)	707476	2.00000	
$ 69 2-Fluorobiphenyl	172	5.673	5.673	(0.898)	45898	0.10000	0.09639(a)
$ 105 2,4,6-Tribromophenol	330	7.090	7.090	(1.122)	6711	0.10000	0.08413(a)
* 126 Phenanthrene-d10	188	7.770	7.770	(1.000)	1251597	2.00000	
$ 158 4-Terphenyl-d14	244	9.353	9.353	(0.884)	50847	0.10000	0.09835(a)
* 182 Chrysene-d12	240	10.583	10.583	(1.000)	1219044	2.00000	
* 198 Perylene-d12	264	12.626	12.626	(1.000)	1276643	2.00000	
24 2-Methylphenol	108	3.726	3.726	(1.051)	19040	0.10000	0.09252(a)
29 3&4-Methylphenol	107	3.854	3.854	(1.088)	24208	0.10000	0.09934(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\alshsws008\Target\chem\SV6.i\140318.b\005.D
Date : 18-MAR-2014 14:02
Client ID: SLSTD-0.1
Sample Info: SLSTD-0.1;SLSTD-0.1
Purge Volume: 1000.0
Column phase: RTX-5SIL MS

Instrument: SV6.i
Operator: LG
Column diameter: 0.28



ALS Laboratory Group

GC/MS Semivolatiles EPA method 8270D

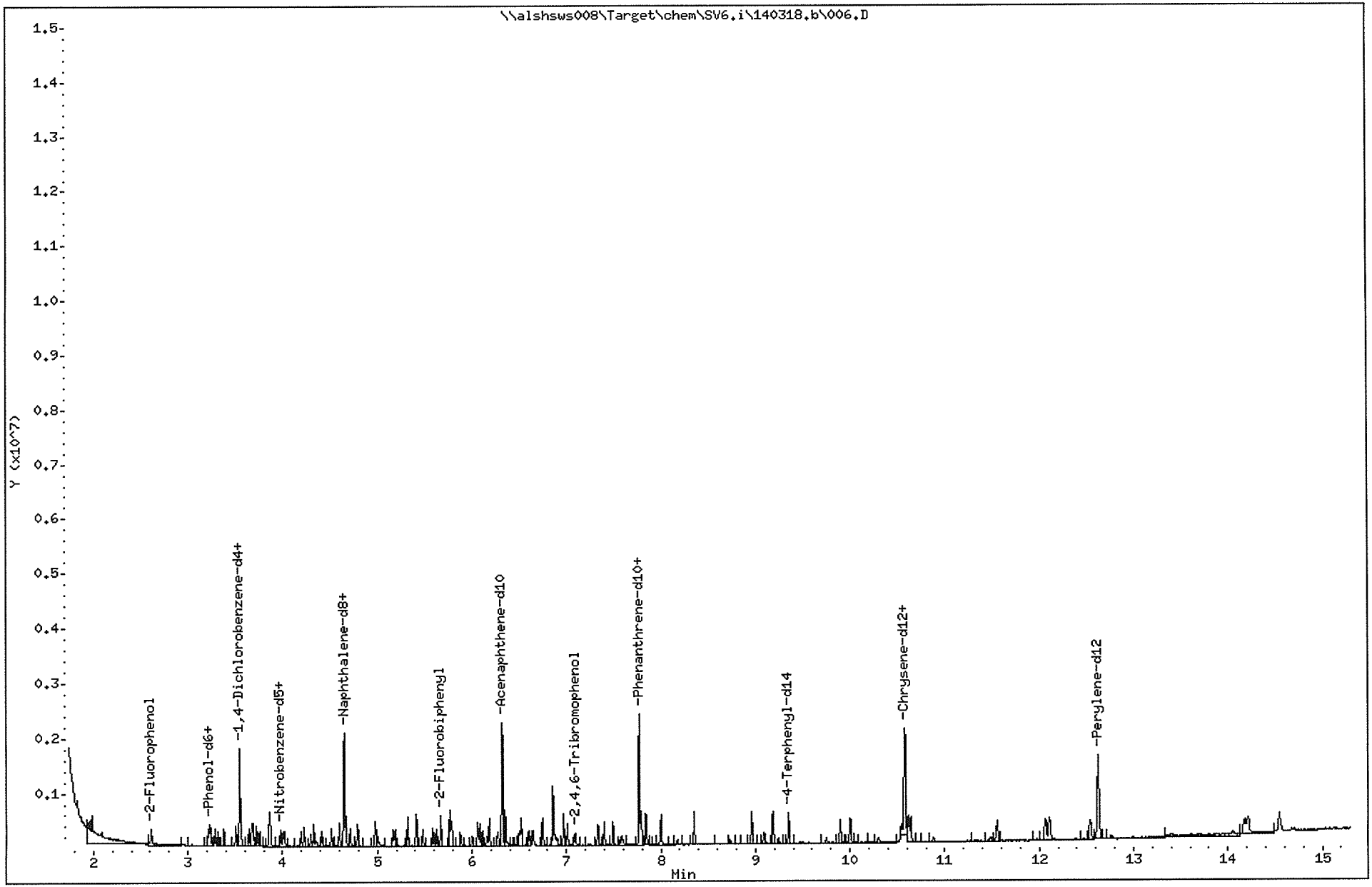
Data file : \\alshsws008\Target\chem\SV6.i\140318.b\006.D
Lab Smp Id: SLSTD-0.5 Client Smp ID: SLSTD-0.5
Inj Date : 18-MAR-2014 14:21 MS Autotune Date: 27-FEB-2008 05:32
Operator : LG Inst ID: SV6.i
Smp Info : SLSTD-0.5;SLSTD-0.5
Misc Info : ;;0;1;
Comment :
Method : \\alshsws008\Target\chem\SV6.i\140318.b\R8270DLL.m
Meth Date : 10-Nov-2014 15:00 SV6.i Quant Type: ISTD
Cal Date : 18-MAR-2014 14:02 Cal File: 005.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2MP.sub
Target Version: 4.14
Processing Host: ALSHSW7106

Concentration Formula: Amt * DF * Uf * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 20 1,4-Dichlorobenzene-d4	152	3.544	3.544	(1.000)	217609	2.00000	
$ 9 2-Fluorophenol	112	2.608	2.608	(0.736)	64056	0.50000	0.5162
$ 13 Phenol-d6	99	3.229	3.229	(0.911)	76477	0.50000	0.5341
* 45 Naphthalene-d8	136	4.651	4.651	(1.000)	880463	2.00000	
$ 33 Nitrobenzene-d5	82	3.999	3.999	(0.860)	67633	0.50000	0.4973
* 86 Acenaphthene-d10	164	6.320	6.320	(1.000)	445118	2.00000	
$ 69 2-Fluorobiphenyl	172	5.668	5.668	(0.897)	146709	0.50000	0.4897
$ 105 2,4,6-Tribromophenol	330	7.090	7.090	(1.122)	24345	0.50000	0.4851
* 126 Phenanthrene-d10	188	7.770	7.770	(1.000)	782249	2.00000	
$ 158 4-Terphenyl-d14	244	9.353	9.353	(0.884)	158214	0.50000	0.4746
* 182 Chrysene-d12	240	10.578	10.578	(1.000)	786062	2.00000	
* 198 Perylene-d12	264	12.626	12.626	(1.000)	805375	2.00000	
24 2-Methylphenol	108	3.726	3.726	(1.051)	55972	0.50000	0.4810
29 3&4-Methylphenol	107	3.854	3.854	(1.088)	70409	0.50000	0.5110

Data File: \\alshsws008\Target\chem\SV6.i\140318.b\006.D
Date : 18-MAR-2014 14:21
Client ID: SLSTD-0.5
Instrument: SV6.i
Sample Info: SLSTD-0.5;SLSTD-0.5
Purge Volume: 1000.0
Operator: LG
Column phase: RTX-5SIL MS
Column diameter: 0.28



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GC/MS Semivolatiles EPA method 8270D

Data file : \\alshsws008\Target\chem\SV6.i\140318.b\007.D
Lab Smp Id: SLSTD-0.2 Client Smp ID: SLSTD-0.2
Inj Date : 18-MAR-2014 14:41 MS Autotune Date: 27-FEB-2008 05:32
Operator : LG Inst ID: SV6.i
Smp Info : SLSTD-0.2;SLSTD-0.2
Misc Info : ;;0;1;
Comment :
Method : \\alshsws008\Target\chem\SV6.i\140318.b\R8270DLL.m
Meth Date : 10-Nov-2014 15:00 SV6.i Quant Type: ISTD
Cal Date : 18-MAR-2014 14:21 Cal File: 006.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2MP.sub
Target Version: 4.14
Processing Host: ALSHSW7106

Concentration Formula: Amt * DF * Uf * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

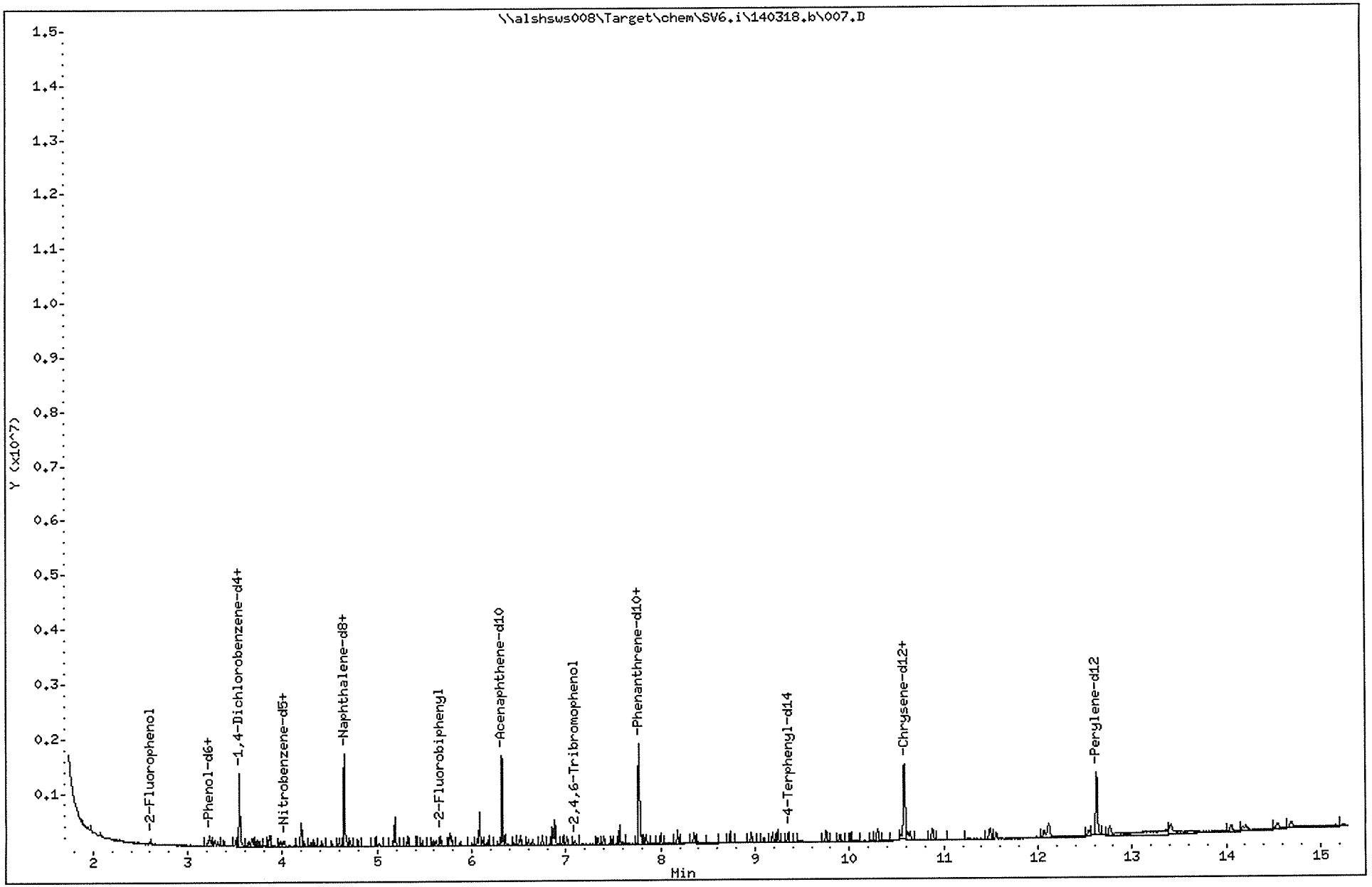
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 20 1,4-Dichlorobenzene-d4	152	3.544	3.544	(1.000)	167042	2.00000	
$ 9 2-Fluorophenol	112	2.608	2.608	(0.736)	19443	0.20000	0.2041
$ 13 Phenol-d6	99	3.229	3.229	(0.911)	20124	0.20000	0.1831(a)
* 45 Naphthalene-d8	136	4.651	4.651	(1.000)	667814	2.00000	
$ 33 Nitrobenzene-d5	82	4.004	4.004	(0.861)	21258	0.20000	0.2061
* 86 Acenaphthene-d10	164	6.320	6.320	(1.000)	336450	2.00000	
$ 69 2-Fluorobiphenyl	172	5.673	5.673	(0.898)	47404	0.20000	0.2093
$ 105 2,4,6-Tribromophenol	330	7.090	7.090	(1.122)	8183	0.20000	0.2157
* 126 Phenanthrene-d10	188	7.770	7.770	(1.000)	592828	2.00000	
$ 158 4-Terphenyl-d14	244	9.353	9.353	(0.884)	50924	0.20000	0.2088
* 182 Chrysene-d12	240	10.583	10.583	(1.000)	575080	2.00000	
* 198 Perylene-d12	264	12.626	12.626	(1.000)	591716	2.00000	
24 2-Methylphenol	108	3.726	3.726	(1.051)	18171	0.20000	0.2034
29 3&4-Methylphenol	107	3.854	3.854	(1.088)	19676	0.20000	0.1860(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\alshsws008\Target\chem\SV6.i\140318.b\007.D
Date : 18-MAR-2014 14:41
Client ID: SLSTD-0.2
Sample Info: SLSTD-0.2;SLSTD-0.2
Purge Volume: 1000.0
Column phase: RTX-5SIL MS

Instrument: SV6.i
Operator: LG
Column diameter: 0.28



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GC/MS Semivolatiles EPA method 8270D

Data file : \\alshsws008\Target\chem\SV6.i\140318.b\008.D
Lab Smp Id: SLSTD-1.0 Client Smp ID: SLSTD-1.0
Inj Date : 18-MAR-2014 15:00 MS Autotune Date: 27-FEB-2008 05:32
Operator : LG Inst ID: SV6.i
Smp Info : SLSTD-1.0;SLSTD-1.0
Misc Info : ;;0;1;
Comment :
Method : \\alshsws008\Target\chem\SV6.i\140318.b\R8270DLL.m
Meth Date : 10-Nov-2014 15:00 SV6.i Quant Type: ISTD
Cal Date : 18-MAR-2014 14:41 Cal File: 007.D
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2MP.sub
Target Version: 4.14
Processing Host: ALSHSW7106

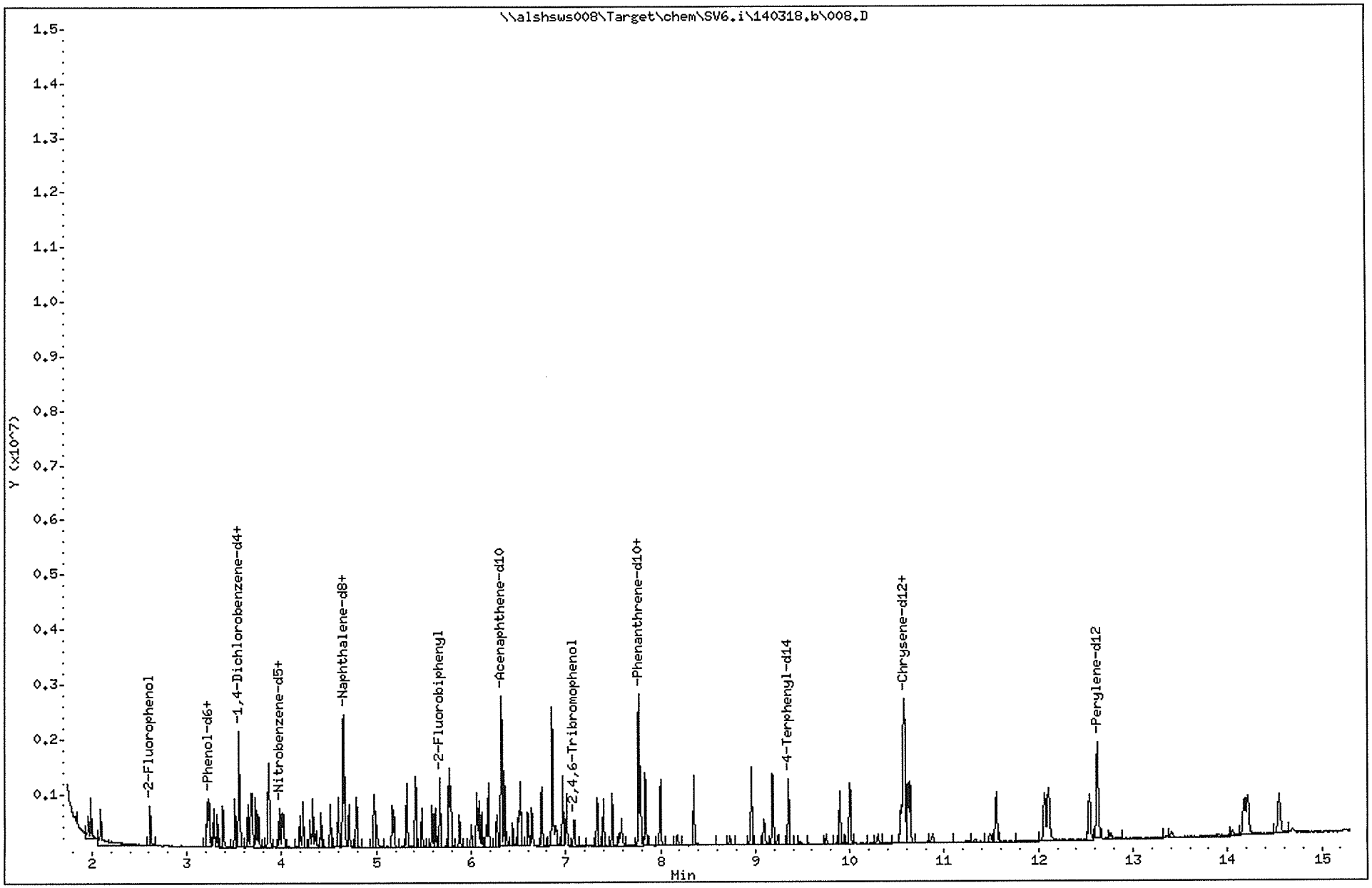
Concentration Formula: Amt * DF * Uf * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 20 1,4-Dichlorobenzene-d4	152	3.544	3.544	(1.000)	278662	2.00000	
$ 9 2-Fluorophenol	112	2.613	2.613	(0.737)	154471	1.00000	0.9721
$ 13 Phenol-d6	99	3.229	3.229	(0.911)	173022	1.00000	0.9437
* 45 Naphthalene-d8	136	4.651	4.651	(1.000)	1066810	2.00000	
$ 33 Nitrobenzene-d5	82	3.999	3.999	(0.860)	157544	1.00000	0.9560
* 86 Acenaphthene-d10	164	6.320	6.320	(1.000)	542463	2.00000	
$ 69 2-Fluorobiphenyl	172	5.668	5.668	(0.897)	351278	1.00000	0.9622
$ 105 2,4,6-Tribromophenol	330	7.090	7.090	(1.122)	57662	1.00000	0.9427
* 126 Phenanthrene-d10	188	7.770	7.770	(1.000)	966658	2.00000	
$ 158 4-Terphenyl-d14	244	9.347	9.347	(0.884)	395372	1.00000	0.9542
* 182 Chrysene-d12	240	10.578	10.578	(1.000)	976985	2.00000	
* 198 Perylene-d12	264	12.621	12.621	(1.000)	1022801	2.00000	
24 2-Methylphenol	108	3.726	3.726	(1.051)	140423	1.00000	0.9423
29 3&4-Methylphenol	107	3.854	3.854	(1.088)	165834	1.00000	0.9398

Data File: \\alshsws008\Target\chem\SV6.i\140318.b\008.D
Date : 18-MAR-2014 15:00
Client ID: SLSTD-1.0
Sample Info: SLSTD-1.0;SLSTD-1.0
Purge Volume: 1000.0
Column phase: RTX-5SIL MS

Instrument: SV6.i
Operator: LG
Column diameter: 0.28



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GC/MS Semivolatiles EPA method 8270D

Data file : \\alshsws008\Target\chem\SV6.i\140318.b\009.D
Lab Smp Id: SLSTD-5.0 Client Smp ID: SLSTD-5.0
Inj Date : 18-MAR-2014 15:20 MS Autotune Date: 27-FEB-2008 05:32
Operator : LG Inst ID: SV6.i
Smp Info : SLSTD-5.0;SLSTD-5.0
Misc Info : ;;0;1;
Comment :
Method : \\alshsws008\Target\chem\SV6.i\140318.b\R8270DLL.m
Meth Date : 10-Nov-2014 15:01 SV6.i Quant Type: ISTD
Cal Date : 18-MAR-2014 15:00 Cal File: 008.D
Als bottle: 9 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2MP.sub
Target Version: 4.14
Processing Host: ALSHSW7106

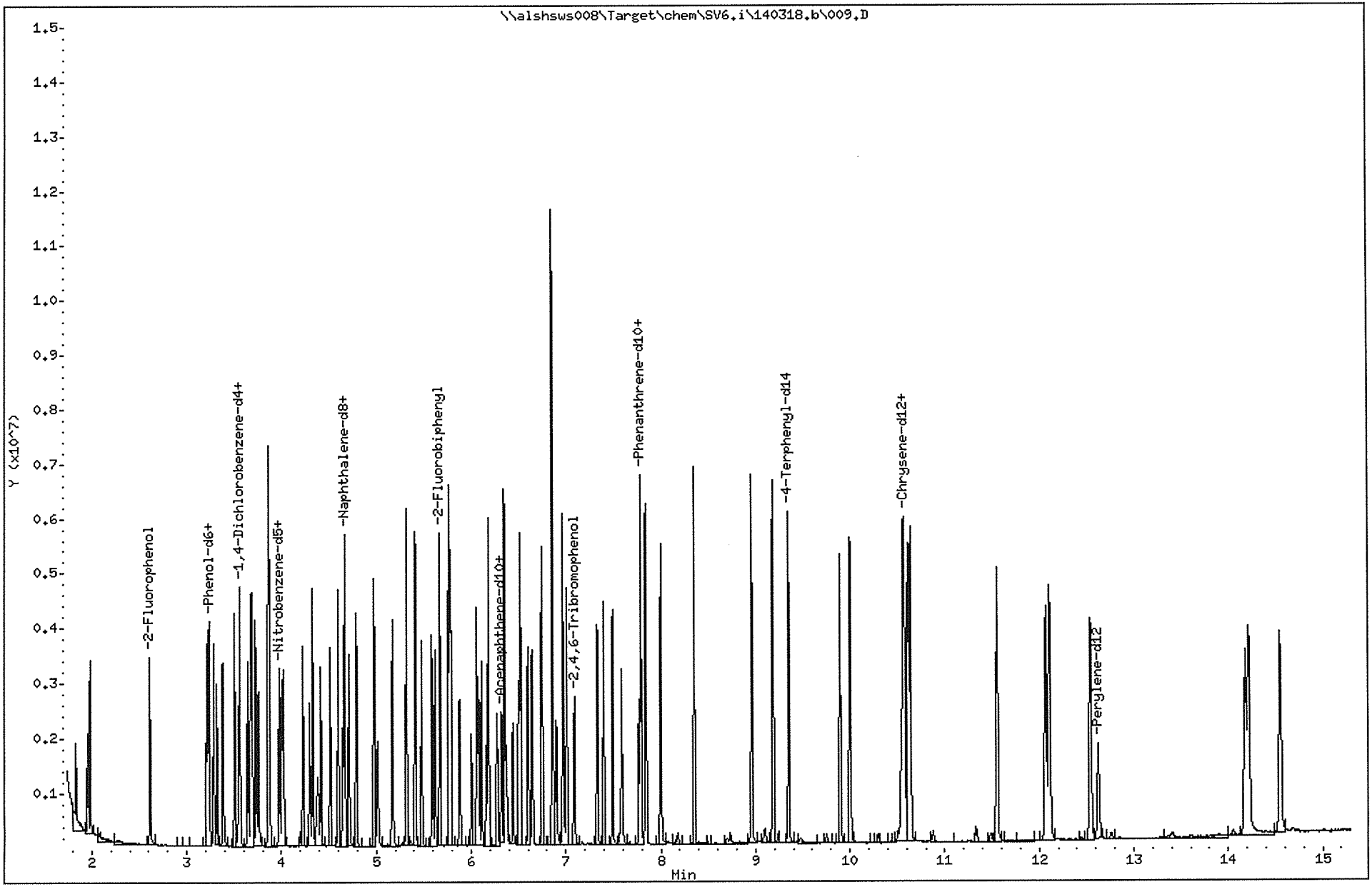
Concentration Formula: Amt * DF * Uf * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 20 1,4-Dichlorobenzene-d4	152	3.544	3.544	(1.000)	257072	2.00000	
$ 9 2-Fluorophenol	112	2.614	2.614	(0.737)	729158	5.00000	4.974
$ 13 Phenol-d6	99	3.229	3.229	(0.911)	855263	5.00000	5.056
* 45 Naphthalene-d8	136	4.651	4.651	(1.000)	983628	2.00000	
$ 33 Nitrobenzene-d5	82	4.004	4.004	(0.861)	766313	5.00000	5.044
* 86 Acenaphthene-d10	164	6.325	6.325	(1.000)	526038	2.00000	
$ 69 2-Fluorobiphenyl	172	5.673	5.673	(0.897)	1724789	5.00000	4.872
$ 105 2,4,6-Tribromophenol	330	7.090	7.090	(1.121)	300316	5.00000	5.063
* 126 Phenanthrene-d10	188	7.770	7.770	(1.000)	902462	2.00000	
$ 158 4-Terphenyl-d14	244	9.353	9.353	(0.884)	1863619	5.00000	4.877
* 182 Chrysene-d12	240	10.583	10.583	(1.000)	900963	2.00000	
* 198 Perylene-d12	264	12.626	12.626	(1.000)	933896	2.00000	
24 2-Methylphenol	108	3.726	3.726	(1.051)	688223	5.00000	5.006
29 3&4-Methylphenol	107	3.860	3.860	(1.089)	806507	5.00000	4.954

Data File: \\alshsws008\Target\chem\SV6.i\140318.b\009.D
Date : 18-MAR-2014 15:20
Client ID: SLSTD-5.0
Sample Info: SLSTD-5.0;SLSTD-5.0
Purge Volume: 1000.0
Column phase: RTX-5SIL MS

Instrument: SV6.i
Operator: LG
Column diameter: 0.28



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GC/MS Semivolatiles EPA method 8270D

Data file : \\alshsws008\Target\chem\SV6.i\140318.b\010.D
Lab Smp Id: SLSTD-7.5 Client Smp ID: SLSTD-7.5
Inj Date : 18-MAR-2014 15:39 MS Autotune Date: 27-FEB-2008 05:32
Operator : LG Inst ID: SV6.i
Smp Info : SLSTD-7.5;SLSTD-7.5
Misc Info : ;;0;1;
Comment :
Method : \\alshsws008\Target\chem\SV6.i\140318.b\R8270DLL.m
Meth Date : 10-Nov-2014 15:01 SV6.i Quant Type: ISTD
Cal Date : 18-MAR-2014 15:20 Cal File: 009.D
Als bottle: 10 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2MP.sub
Target Version: 4.14
Processing Host: ALSHSW7106

Concentration Formula: Amt * DF * Uf * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

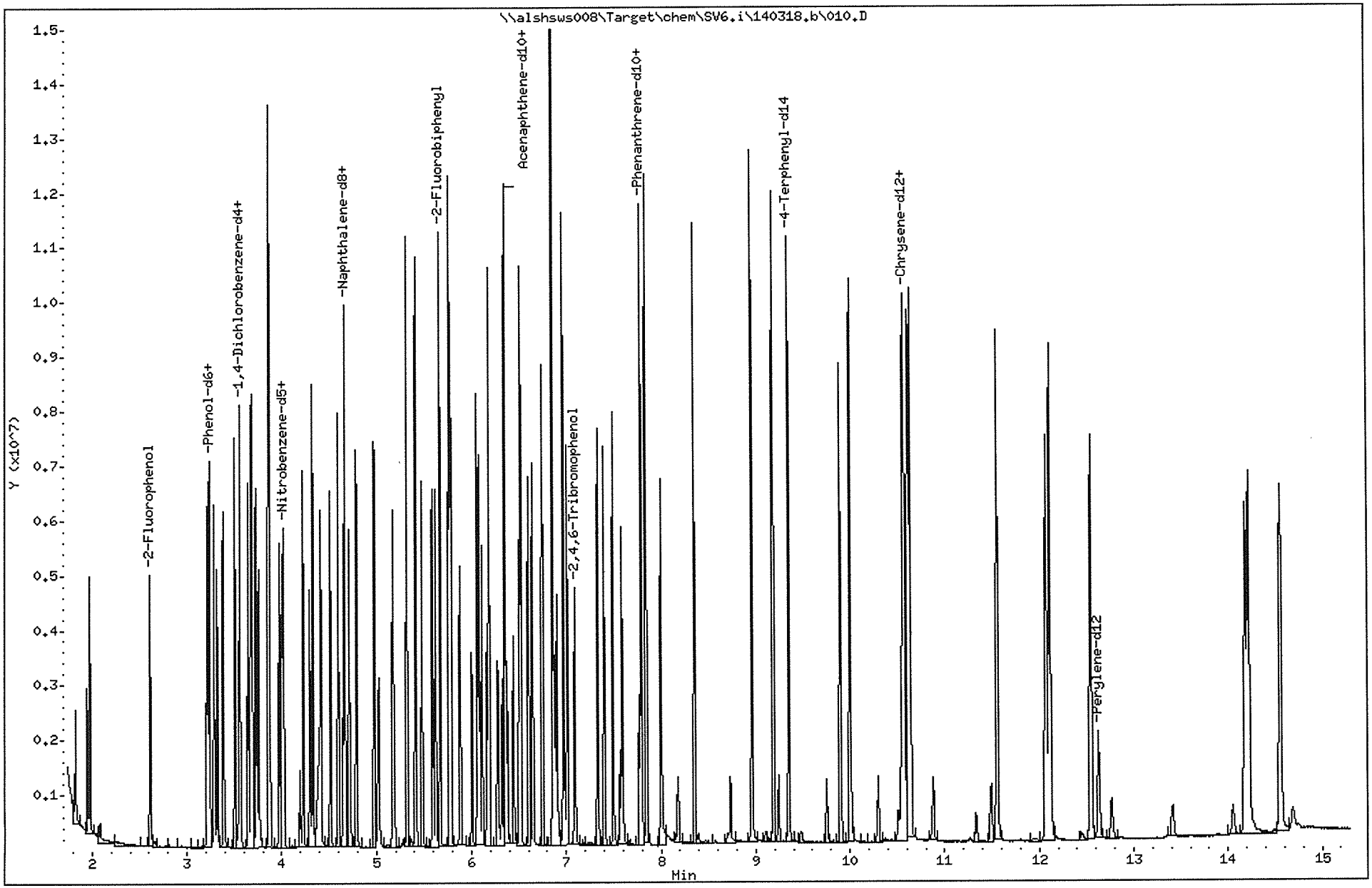
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 20 1,4-Dichlorobenzene-d4	152	3.544	3.544	(1.000)	276178	2.00000	(Q)
$ 9 2-Fluorophenol	112	2.613	2.613	(0.737)	1228866	7.50000	7.803
$ 13 Phenol-d6	99	3.228	3.228	(0.911)	1453881	7.50000	8.001
* 45 Naphthalene-d8	136	4.651	4.651	(1.000)	1115169	2.00000	
$ 33 Nitrobenzene-d5	82	4.004	4.004	(0.861)	1324270	7.50000	7.688
* 86 Acenaphthene-d10	164	6.325	6.325	(1.000)	567640	2.00000	
$ 69 2-Fluorobiphenyl	172	5.673	5.673	(0.897)	2951807	7.50000	7.726
$ 105 2,4,6-Tribromophenol	330	7.090	7.090	(1.121)	514164	7.50000	8.033
* 126 Phenanthrene-d10	188	7.769	7.769	(1.000)	1004569	2.00000	
$ 158 4-Terphenyl-d14	244	9.353	9.353	(0.884)	3332587	7.50000	7.881
* 182 Chrysene-d12	240	10.583	10.583	(1.000)	997076	2.00000	
* 198 Perylene-d12	264	12.626	12.626	(1.000)	1057931	2.00000	
24 2-Methylphenol	108	3.731	3.731	(1.053)	1178204	7.50000	7.977
29 3&4-Methylphenol	107	3.860	3.860	(1.089)	1400716	7.50000	8.009

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\alshsws008\Target\chem\SV6.i\140318.b\010.D
Date : 18-MAR-2014 15:39
Client ID: SLSTD-7.5
Sample Info: SLSTD-7.5;SLSTD-7.5
Purge Volume: 1000.0
Column phase: RTX-5SIL MS

Instrument: SV6.i
Operator: LG
Column diameter: 0.28



ALS Laboratory Group

GC/MS Semivolatiles EPA method 8270D

Data file : \\alshsws008\Target\chem\SV6.i\140318.b\011.D
Lab Smp Id: SLSTD-10.0 Client Smp ID: SLSTD-10.0
Inj Date : 18-MAR-2014 15:59 MS Autotune Date: 27-FEB-2008 05:32
Operator : LG Inst ID: SV6.i
Smp Info : SLSTD-10.0;SLSTD-10.0
Misc Info : ;;0;1;
Comment :
Method : \\alshsws008\Target\chem\SV6.i\140318.b\R8270DLL.m
Meth Date : 10-Nov-2014 15:01 SV6.i Quant Type: ISTD
Cal Date : 18-MAR-2014 15:39 Cal File: 010.D
Als bottle: 11 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2MP.sub
Target Version: 4.14
Processing Host: ALSHSW7106

Concentration Formula: Amt * DF * Uf * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

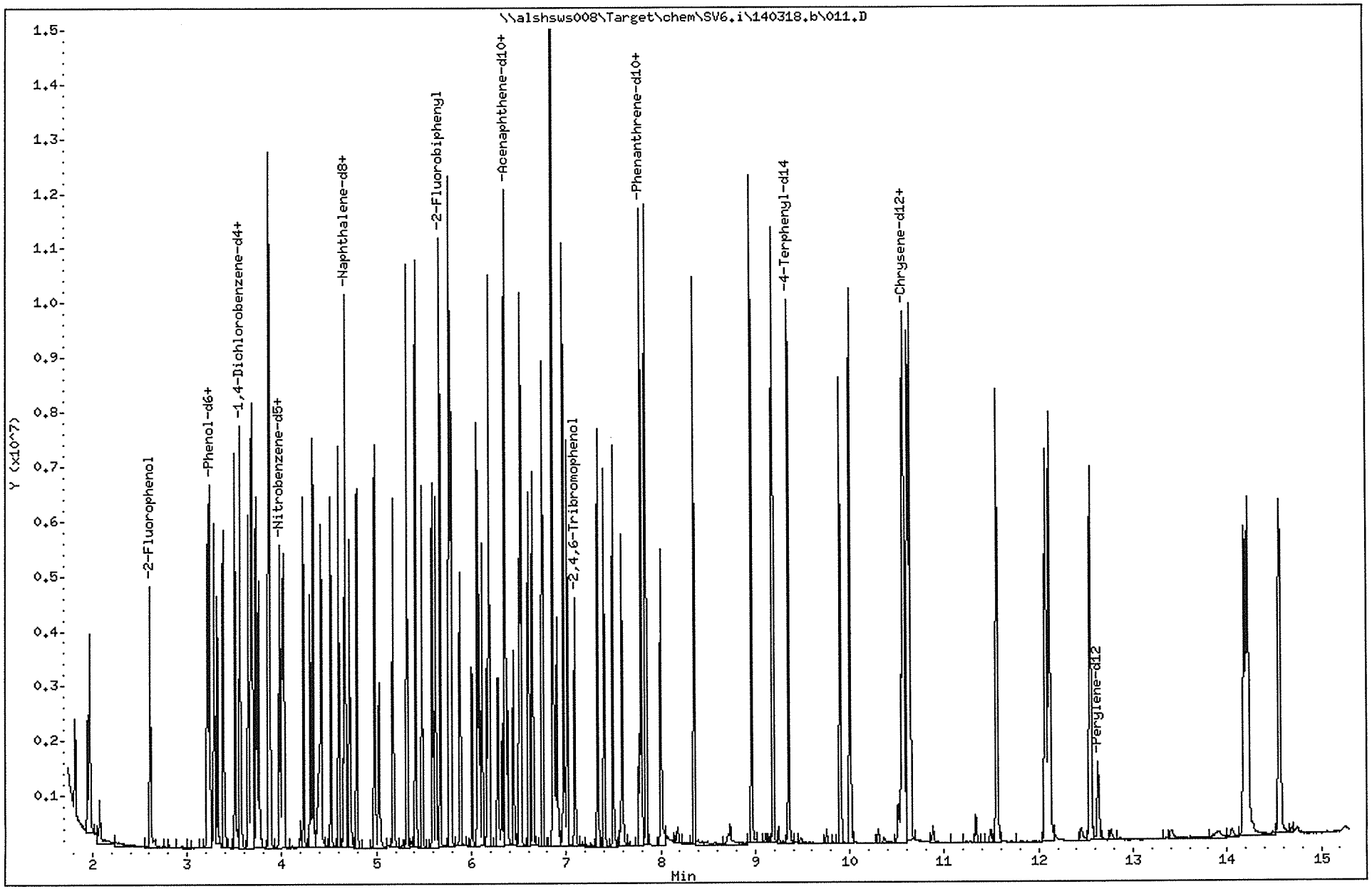
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 20 1,4-Dichlorobenzene-d4	152	3.544	3.544	(1.000)	210380	2.00000	
$ 9 2-Fluorophenol	112	2.608	2.608	(0.736)	1137807	10.0000	9.484
$ 13 Phenol-d6	99	3.234	3.234	(0.912)	1404542	10.0000	10.15(A)
* 45 Naphthalene-d8	136	4.651	4.651	(1.000)	815582	2.00000	
$ 33 Nitrobenzene-d5	82	4.004	4.004	(0.861)	1283312	10.0000	10.19(A)
* 86 Acenaphthene-d10	164	6.326	6.326	(1.000)	417013	2.00000	
$ 69 2-Fluorobiphenyl	172	5.673	5.673	(0.897)	2766742	10.0000	9.858
$ 105 2,4,6-Tribromophenol	330	7.096	7.096	(1.122)	493280	10.0000	10.49(A)
* 126 Phenanthrene-d10	188	7.770	7.770	(1.000)	726160	2.00000	
$ 158 4-Terphenyl-d14	244	9.353	9.353	(0.884)	3075664	10.0000	9.922
* 182 Chrysene-d12	240	10.583	10.583	(1.000)	730869	2.00000	
* 198 Perylene-d12	264	12.632	12.632	(1.000)	743696	2.00000	
24 2-Methylphenol	108	3.731	3.731	(1.053)	1157774	10.0000	10.29(A)
29 3&4-Methylphenol	107	3.860	3.860	(1.089)	1328451	10.0000	9.972

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\alshsws008\Target\chem\SV6.i\140318.b\011.D
Date : 18-MAR-2014 15:59
Client ID: SLSTD-10.0
Sample Info: SLSTD-10.0;SLSTD-10.0
Purge Volume: 1000.0
Column phase: RTX-5SIL MS

Instrument: SV6.i
Operator: LG
Column diameter: 0.28



ALS Laboratory Group

GC/MS Semivolatiles EPA method 8270D

Data file : \\alshsws008\Target\chem\SV6.i\140318.b\012.D
Lab Smp Id: LOT2ICV-2.5 Client Smp ID: LOT2ICV-2.5
Inj Date : 18-MAR-2014 16:18 MS Autotune Date: 27-FEB-2008 05:32
Operator : LG Inst ID: SV6.i
Smp Info : LOT2ICV-2.5;LOT2ICV-2.5
Misc Info : ;;0;1;
Comment :
Method : \\alshsws008\Target\chem\SV6.i\140318.b\R8270DLL.m
Meth Date : 10-Nov-2014 15:01 SV6.i Quant Type: ISTD
Cal Date : 18-MAR-2014 15:59 Cal File: 011.D
Als bottle: 12 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2MP.sub
Target Version: 4.14
Processing Host: ALSHSW7106

Concentration Formula: Amt * DF * Uf * Vt/Vo * CpndVariable

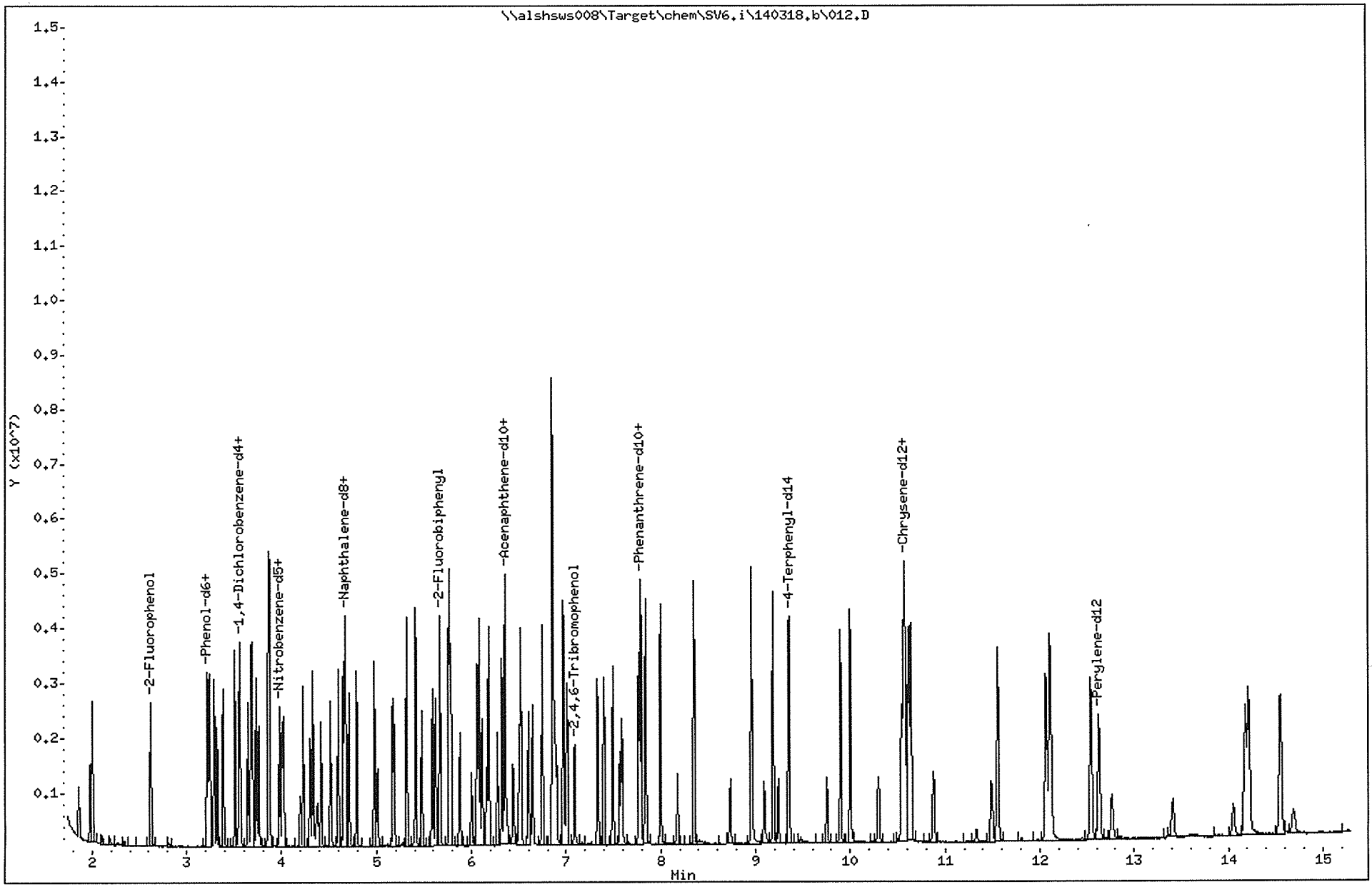
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 20 1,4-Dichlorobenzene-d4	152	3.550	3.544	(1.000)	368864	2.00000	
$ 9 2-Fluorophenol	112	2.619	2.608	(0.738)	544131	2.58692	2.587
$ 13 Phenol-d6	99	3.229	3.234	(0.910)	638128	2.62927	2.629
* 45 Naphthalene-d8	136	4.651	4.651	(1.000)	1432717	2.00000	
$ 33 Nitrobenzene-d5	82	4.004	4.004	(0.861)	591021	2.67062	2.671
* 86 Acenaphthene-d10	164	6.320	6.326	(1.000)	741351	2.00000	
$ 69 2-Fluorobiphenyl	172	5.668	5.673	(0.897)	1290858	2.58712	2.587
$ 105 2,4,6-Tribromophenol	330	7.090	7.096	(1.122)	227824	2.72551	2.726
* 126 Phenanthrene-d10	188	7.770	7.770	(1.000)	1286394	2.00000	
$ 158 4-Terphenyl-d14	244	9.353	9.353	(0.884)	1478494	2.66881	2.669
* 182 Chrysene-d12	240	10.583	10.583	(1.000)	1306210	2.00000	
* 198 Perylene-d12	264	12.626	12.632	(1.000)	1360393	2.00000	
24 2-Methylphenol	108	3.646	3.731	(1.027)	368419	1.86771	1.868(QR)
29 3&4-Methylphenol	107	3.726	3.860	(1.050)	462635	1.98063	1.981(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\alshsws008\Target\chem\SV6.i\140318.b\012.D
Date : 18-MAR-2014 16:18
Client ID: LOT2ICV-2.5
Instrument: SV6.i
Sample Info: LOT2ICV-2.5;LOT2ICV-2.5
Purge Volume: 1000.0
Operator: LG
Column phase: RTX-5SIL MS
Column diameter: 0.28



SV06 -Logbook

Batch: 12389 **Analyst:** Linda Graham

Date: 03-25-2014 **Reviewer:**

Method: 8270D-LL **Laboratory:** Houston

Comments: MSSV003-LL

#	Samp ID	Type	Analyzed	DF	Init Wt/Vol	Final Vol	File ID	Matrix	Status	pH
1	DFTPP	DFTPP	03-25-2014 03:28 pm	1.00			001.D		Y	NA
2	SLSTD-2.5	CCV	03-25-2014 03:38 pm	1.00			002.D		Y	NA
3	SLSKX-2.5	CCV	03-25-2014 03:59 pm	1.00			003.D		Y	NA
4	SLKEPONE-5.0	SAMP	03-25-2014 04:18 pm	1.00			004.D		Y	NA
5	SLSTD-2.5	CCV	03-25-2014 04:36 pm	1.00			005.D		Y	NA
6	MECL	SAMP	03-25-2014 04:55 pm	1.00			006.D		Y	NA
7	SBLKW2-140325	MBLK	03-25-2014 05:13 pm	1.00	1000.00 mL	1.00 mL	007.D	Liquid	Y	NA
8	SLCSW2-140325	LCS	03-25-2014 05:32 pm	1.00	1000.00 mL	1.00 mL	008.D	Liquid	Y	NA
9	SLCSDW2-140325	LCSD	03-25-2014 05:50 pm	1.00	1000.00 mL	1.00 mL	009.D	Liquid	Y	NA
10	14030923-01B	SAMP	03-25-2014 06:12 pm	1.00	1000.00 mL	1.00 mL	010.D	Liquid	Y	NA
11	14030923-02B	SAMP	03-25-2014 06:31 pm	1.00	1000.00 mL	1.00 mL	011.D	Liquid	Y	NA
12	14030923-03B	SAMP	03-25-2014 06:49 pm	1.00	1000.00 mL	1.00 mL	012.D	Liquid	Y	NA
13	14030923-04B	SAMP	03-25-2014 07:08 pm	1.00	1000.00 mL	1.00 mL	013.D	Liquid	Y	NA
14	14030923-05B	SAMP	03-25-2014 07:26 pm	1.00	1000.00 mL	1.00 mL	014.D	Liquid	Y	NA
15	14030923-06B	SAMP	03-25-2014 07:44 pm	1.00	1000.00 mL	1.00 mL	015.D	Liquid	Y	NA
16	MECLTANK	SAMP	03-25-2014 08:03 pm	1.00	1000.00 mL	1.00 mL	016.D	Liquid	Y	NA
17	MECLBOTTLE	SAMP	03-25-2014 08:21 pm	1.00	1000.00 mL	1.00 mL	017.D	Liquid	Y	NA
18	14030923-06B	SAMP	03-25-2014 08:40 pm	1.00	1000.00 mL	1.00 mL	018.D	Liquid	Y	NA
19	14030636-04A	SAMP	03-25-2014 08:58 pm	1.00	30.18 gm	1.00 mL	019.D	Solid	Y	NA
20	14030804-18E	SAMP	03-25-2014 09:16 pm	40.00	30.29 gm	1.00 mL	020.D	Solid	Y	NA
21	14030804-24C	SAMP	03-25-2014 09:35 pm	1.00	30.11 gm	1.00 mL	021.D	Solid	Y	NA
22	14030745-04C	SAMP	03-25-2014 09:53 pm	40.00	30.15 gm	1.00 mL	022.D	Solid	Y	NA
23	14030745-03C	SAMP	03-25-2014 10:12 pm	40.00	30.12 gm	1.00 mL	023.D	Solid	Y	NA
24	14030745-03C *XD*	SAMP	03-25-2014 10:30 pm	10.00	30.12 gm	1.00 mL	024.D	Solid	Y	NA
25	14030804-18E *XD*	SAMP	03-25-2014 10:49 pm	1.00	30.29 gm	1.00 mL	025.D	Solid	Y	NA
26	14030804-18E *XD*	SAMP	03-25-2014 11:07 pm	1.00	30.29 gm	1.00 mL	026.D	Solid	Y	NA

Chemical	Value
DFTPP ID	28603-89-02
CAL STD ID	29206-04-01
IS ID	28603-94-03
PCP Tailing	0.52
Benz. Tailing	0.41

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: ALS GROUP Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA71345

Instrument ID: SV6 Calibration Date: 03/25/14 Time: 1636

Lab File ID: 005 Init. Calib. Date(s): 03/18/14 03/18/14

Init. Calib. Times: 1256 1559

GC Column: RTX-5SIL MS ID: 0.28 (mm)

COMPOUND	RRF OR AMOUNT	RRF2.5000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
2-Methylphenol	1.0700000	1.1239352	0.7	5.04	20.00	AVRG
3&4-Methylphenol	1.2660000	1.3575332	0.6	7.23	20.00	AVRG
2-Fluorophenol	1.1400000	1.1427692	0.01	0.24	20.00	AVRG
Phenol-d6	1.3160000	1.4194576	0.01	7.86	20.00	AVRG
Nitrobenzene-d5	0.3090000	0.3212937	0.01	3.98	20.00	AVRG
2-Fluorobiphenyl	1.3460000	1.4794335	0.01	9.91	20.00	AVRG
2,4,6-Tribromophenol	0.2250000	0.2465647	0.01	9.58	20.00	AVRG
4-Terphenyl-d14	0.8480000	0.8264674	0.01	-2.54	20.00	AVRG

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ALS GROUP Contract:

Lab Code: Case No.: SAS No.: SDG No.: 14030923

Lab File ID (Standard): 005 Date Analyzed: 03/25/14

Instrument ID: SV6 Time Analyzed: 1636

		IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	254646	3.11	1034540	4.20	513277	5.85
	UPPER LIMIT	509292	3.61	2069080	4.70	1026554	6.35
	LOWER LIMIT	127323	2.61	517270	3.70	256639	5.35
	CLIENT SAMPLE NO.						
01	SBLKW2-140325	160816	3.11	602129	4.19	319613	5.85
02	SLCSW2-140325	224261	3.11	927925	4.19	470693	5.85
03	SLCSDW2-14032	238717	3.11	944050	4.19	490256	5.85
04	14030923-01B	317280	3.11	1279811	4.20	662942	5.85
05	14030923-02B	374433	3.11	1462638	4.20	770546	5.85
06	14030923-03B	183478	3.11	764708	4.20	396152	5.85
07	14030923-04B	174367	3.11	686315	4.20	360218	5.85
08	14030923-05B	238677	3.11	944247	4.20	482490	5.85
09	14030923-06B	307677	3.11	1217020	4.20	625790	5.85
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ALS GROUP Contract:

Lab Code: Case No.: SAS No.: SDG No.: 14030923

Lab File ID (Standard): 005 Date Analyzed: 03/25/14

Instrument ID: SV6 Time Analyzed: 1636

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	964285	7.28	1008485	9.94	929470	11.83
	UPPER LIMIT	1928570	7.78	2016970	10.44	1858940	12.33
	LOWER LIMIT	482143	6.78	504243	9.44	464735	11.33
	CLIENT SAMPLE NO.						
01	SBLKW2-140325	563703	7.28	568788	9.94	573160	11.83
02	SLCSW2-140325	862629	7.28	869201	9.95	867951	11.83
03	SLCSDW2-14032	885695	7.28	907005	9.95	892348	11.83
04	14030923-01B	1286653	7.29	1202819	9.97	1210898	11.86
05	14030923-02B	1392204	7.29	1377973	9.98	1413601	11.88
06	14030923-03B	738450	7.29	739671	9.97	735674	11.86
07	14030923-04B	654125	7.29	680120	9.97	704350	11.87
08	14030923-05B	903323	7.29	924959	9.96	928453	11.85
09	14030923-06B	1183976	7.29	1189751	9.97	1204847	11.87
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

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

Data File: \\alshsws008\Target\chem\SV6.i\140325.b\001.D

Date : 25-MAR-2014 15:28

Client ID: DFTPP

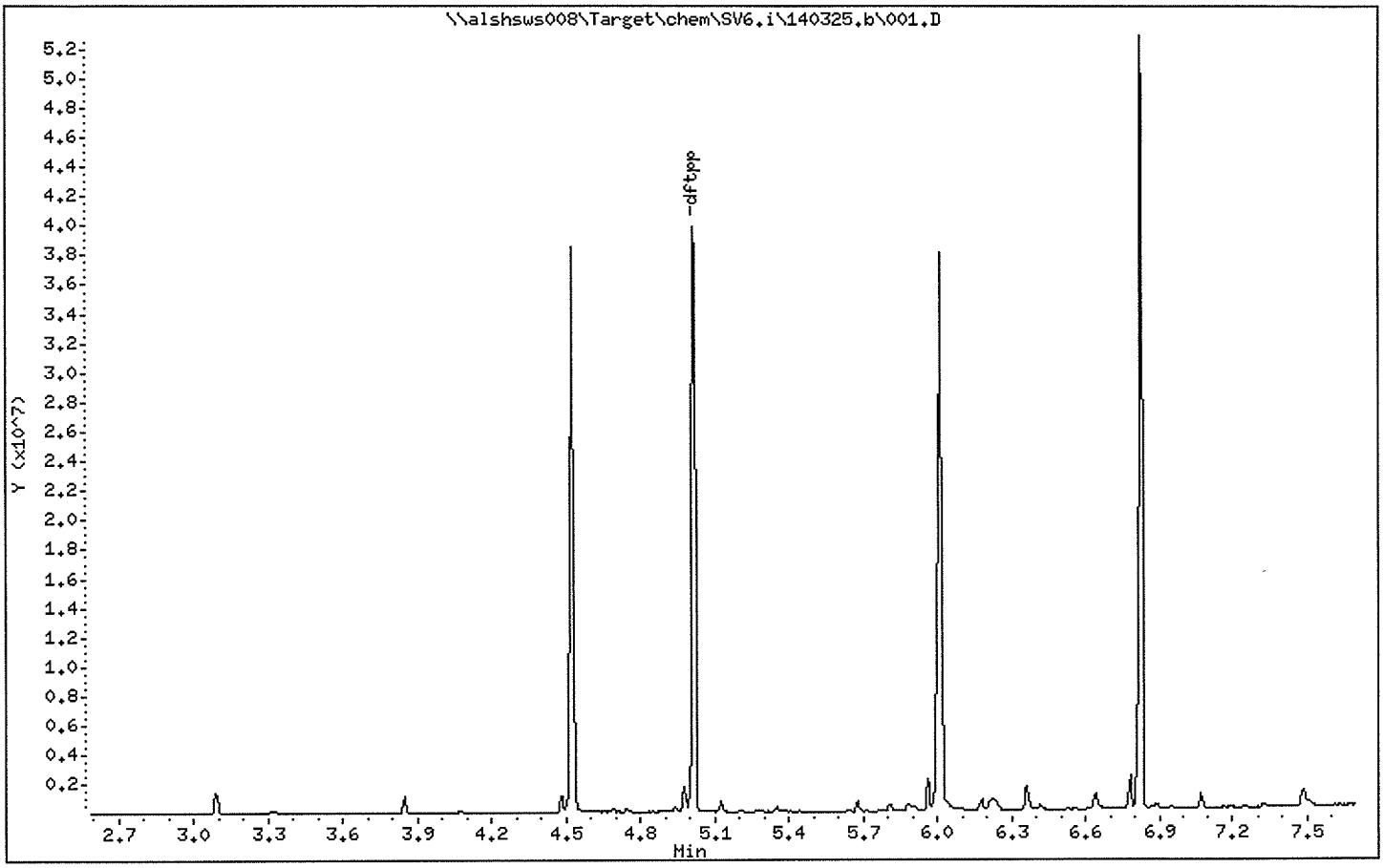
Instrument: SV6.i

Sample Info: DFTPP;DFTPP;3;;DFTPP

Operator: LG

Column phase: DB-5MS

Column diameter: 0.25



Data File: \\alshsws008\Target\chem\SV6.i\140325.b\001.D

Date : 25-MAR-2014 15:28

Client ID: DFTPP

Instrument: SV6.i

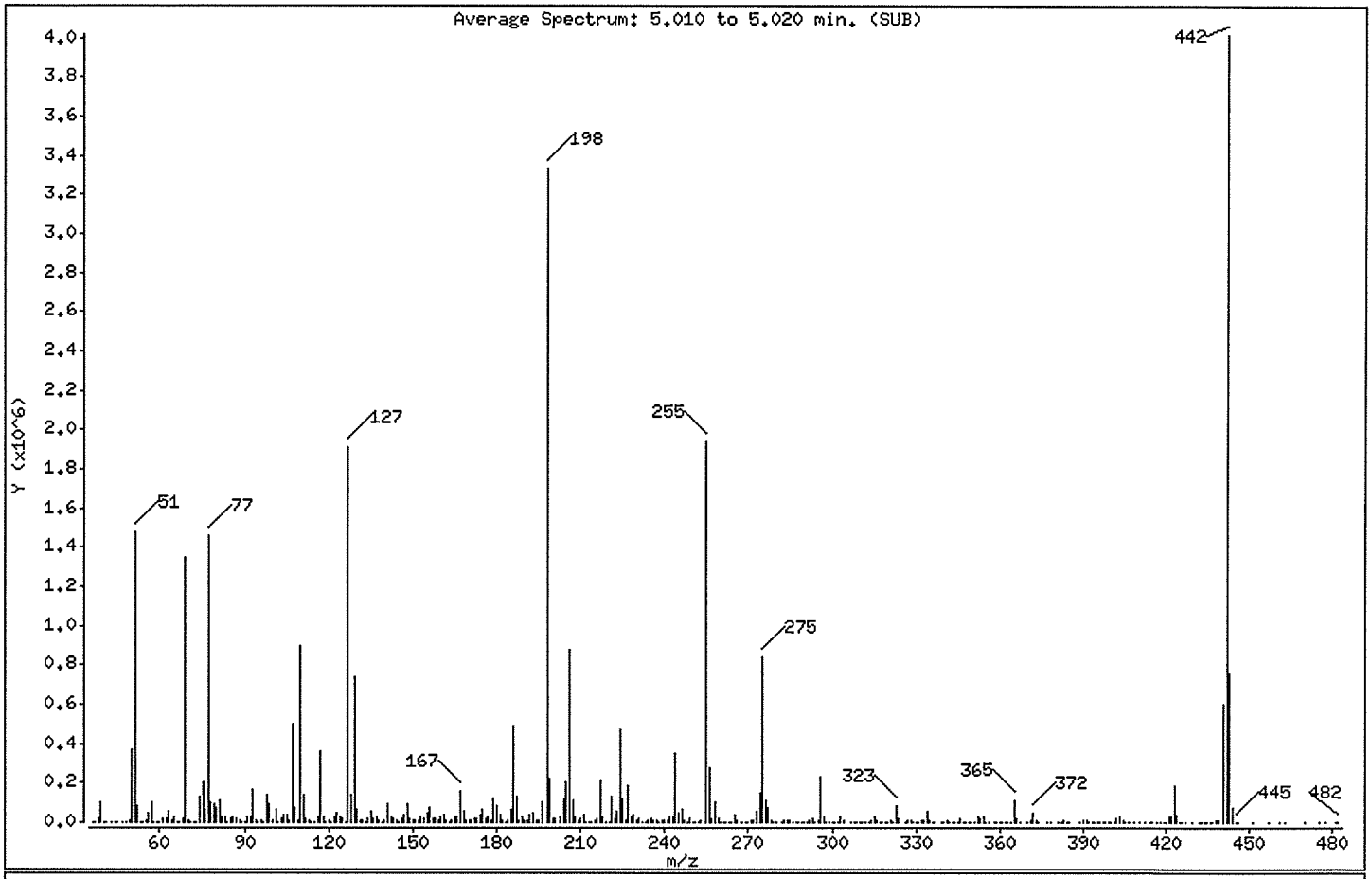
Sample Info: DFTPP;DFTPP;3;;DFTPP

Operator: LC

Column phase: DB-5MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	44.40
68	Less than 2.00% of mass 69	0.63 (1.55)
69	Mass 69 relative abundance	40.51
70	Less than 2.00% of mass 69	0.19 (0.47)
127	10.00 - 80.00% of mass 198	57.29
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.71
275	10.00 - 60.00% of mass 198	25.15
365	1.00 - 100.00% of mass 198	3.39
441	Present, but less than mass 443	18.07
442	50.00 - 150.00% of mass 198	120.39
443	15.00 - 24.00% of mass 442	22.80 (18.94)

Date : 25-MAR-2014 15:28

Client ID: DFTPP Instrument: SV6.i

Sample Info: DFTPP;DFTPP;3;;DFTPP

Operator: LG

Column phase: DB-5MS Column diameter: 0.25

Data File: 001.D
Spectrum: Average Spectrum: 5.010 to 5.020 min. (SUB)
Location of Maximum: 442.00
Number of points: 390

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1413	136.00	21752	236.00	8682	341.00	9481
37.00	3632	137.00	25120	237.00	13104	342.00	2021
38.00	14403	138.00	7816	238.00	2255	343.00	343
39.00	102608	139.00	4168	239.00	6042	344.00	259
40.00	2177	140.00	8692	240.00	5535	345.00	276
41.00	1593	141.00	90472	241.00	10732	346.00	15290
43.00	428	142.00	28040	242.00	23808	347.00	1969
44.00	1879	143.00	17960	243.00	25104	348.00	799
45.00	2081	144.00	5419	244.00	348096	349.00	217
47.00	679	145.00	2988	245.00	48360	350.00	972
48.00	568	146.00	16339	246.00	69152	351.00	1561
49.00	9403	147.00	37096	247.00	13207	352.00	25288
50.00	370048	148.00	95920	248.00	3744	353.00	18264
51.00	1480704	149.00	17856	249.00	14286	354.00	24720
52.00	78848	150.00	4851	250.00	3742	355.00	3856
53.00	2077	151.00	12761	251.00	4302	356.00	602
54.00	77	152.00	6627	252.00	3715	358.00	398
55.00	6497	153.00	27528	253.00	12199	359.00	2872
56.00	44552	154.00	20256	255.00	1935360	360.00	744
57.00	98752	155.00	48712	256.00	276608	361.00	689
58.00	4110	156.00	73808	257.00	18864	362.00	865
59.00	1918	157.00	14865	258.00	99320	363.00	1314
60.00	590	158.00	15488	259.00	15507	364.00	308
61.00	15564	159.00	13250	260.00	3279	365.00	113008
62.00	17968	160.00	25032	261.00	3812	366.00	14319
63.00	55680	161.00	39296	262.00	691	367.00	1269
64.00	7723	162.00	10391	263.00	1164	370.00	2394
65.00	26680	163.00	3807	264.00	2856	371.00	8270
66.00	2275	164.00	5378	265.00	41064	372.00	47344
67.00	991	165.00	30432	266.00	6079	373.00	12415
68.00	20960	166.00	26248	268.00	1073	374.00	1748
69.00	1350656	167.00	158848	269.00	278	377.00	728
70.00	6305	168.00	58824	270.00	2694	378.00	237
71.00	564	169.00	10332	271.00	4968	381.00	185
72.00	421	170.00	5183	272.00	7202	382.00	522

Date : 25-MAR-2014 15:28

Client ID: DFTPP Instrument: SV6.i

Sample Info: DFTPP;DFTPP;3;;DFTPP

Operator: LG

Column phase: DB-5MS Column diameter: 0.25

Data File: 001.D
Spectrum: Average Spectrum: 5.010 to 5.020 min. (SUB)
Location of Maximum: 442.00
Number of points: 390

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	504	171.00	7279	273.00	57672	383.00	13171
74.00	128136	172.00	15828	274.00	150592	384.00	3731
75.00	206528	173.00	19960	275.00	838912	385.00	1189
76.00	66688	174.00	35808	276.00	111896	389.00	448
77.00	1457664	175.00	64240	277.00	69712	390.00	5987
78.00	97696	176.00	19472	278.00	9827	391.00	5109
79.00	89184	177.00	29160	279.00	2445	392.00	3115
80.00	73440	178.00	12066	280.00	604	393.00	577
81.00	109320	179.00	121848	282.00	1254	394.00	108
82.00	27528	180.00	83624	283.00	7282	395.00	398
83.00	23664	181.00	37824	284.00	5829	396.00	532
84.00	492	182.00	5332	285.00	11905	397.00	521
85.00	17144	183.00	3609	286.00	2840	398.00	673
86.00	26512	184.00	9938	287.00	181	399.00	91
87.00	14173	185.00	61728	288.00	1108	400.00	83
88.00	4671	186.00	489088	289.00	2284	401.00	3138
89.00	2966	187.00	133568	290.00	2612	402.00	19712
90.00	294	188.00	13315	291.00	1582	403.00	25336
91.00	24312	189.00	26808	292.00	4661	404.00	9907
92.00	27240	190.00	5081	293.00	17648	405.00	1267
93.00	166272	191.00	13119	294.00	4323	406.00	171
94.00	11694	192.00	36192	295.00	5247	408.00	153
95.00	3502	193.00	42912	296.00	229888	410.00	1362
96.00	7822	194.00	8584	297.00	31896	412.00	95
97.00	2906	195.00	6661	298.00	1941	414.00	220
98.00	133952	196.00	97024	299.00	478	415.00	1218
99.00	93672	198.00	3335168	300.00	103	417.00	423
100.00	9581	199.00	223680	301.00	3428	418.00	376
101.00	63248	200.00	15259	302.00	4348	419.00	1022
102.00	3485	201.00	14916	303.00	26448	420.00	685
103.00	20528	203.00	26216	304.00	7186	421.00	25744
104.00	38760	204.00	120672	307.00	425	422.00	23288
105.00	37712	205.00	199232	308.00	3040	423.00	185472
106.00	11786	206.00	875968	309.00	2399	424.00	37224
107.00	496384	207.00	108600	310.00	3395	425.00	2948

Date : 25-MAR-2014 15:28

Client ID: DFTPP Instrument: SV6.i

Sample Info: DFTPP;DFTPP;3;;DFTPP

Operator: LG

Column phase: DB-5MS Column diameter: 0.25

Data File: 001.D
Spectrum: Average Spectrum: 5.010 to 5.020 min. (SUB)
Location of Maximum: 442.00
Number of points: 390

m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	78128	208.00	28096	311.00	1325	426.00	343
109.00	13337	209.00	8187	312.00	1142	427.00	405
110.00	891072	210.00	14117	313.00	1663	430.00	615
111.00	142464	211.00	32320	314.00	12729	432.00	629
112.00	14947	212.00	2098	315.00	26728	433.00	1977
113.00	5964	213.00	2144	316.00	13234	434.00	1565
114.00	2138	214.00	1520	317.00	3320	435.00	1714
115.00	1844	215.00	9808	318.00	366	436.00	4447
116.00	27504	216.00	18240	319.00	871	437.00	1280
117.00	355456	217.00	216384	320.00	1050	438.00	8940
118.00	23368	218.00	29544	321.00	7803	439.00	6457
119.00	3405	219.00	4548	322.00	4440	441.00	602752
120.00	5257	220.00	494	323.00	82808	442.00	4015616
121.00	3477	221.00	133632	324.00	14109	443.00	760512
122.00	31920	222.00	18464	326.00	1477	444.00	71384
123.00	48632	223.00	52104	327.00	12244	445.00	4209
124.00	24312	224.00	475264	328.00	7005	446.00	70
125.00	22616	225.00	115496	329.00	1982	451.00	108
126.00	2062	226.00	13241	330.00	708	457.00	101
127.00	1910784	227.00	188160	331.00	673	461.00	257
128.00	137344	228.00	26488	332.00	6672	463.00	73
129.00	735424	229.00	40072	333.00	8953	470.00	232
130.00	60264	230.00	5228	334.00	51328	475.00	166
131.00	10232	231.00	16848	335.00	11319	477.00	72
132.00	8073	232.00	3074	336.00	1502	481.00	50
133.00	1500	233.00	3446	337.00	190	482.00	65
134.00	21248	234.00	13095	339.00	1609		
135.00	57768	235.00	14158	340.00	1152		

ALS Laboratory Group

GC/MS Semivolatiles EPA method 8270D

Data file : \\alshsws008\Target\chem\SV6.i\140325.b\005.D
Lab Smp Id: SLSTD-2.5 Client Smp ID: SLSTD-2.5
Inj Date : 25-MAR-2014 16:36 MS Autotune Date: 27-FEB-2008 05:32
Operator : LG Inst ID: SV6.i
Smp Info : SLSTD-2.5;SLSTD-2.5
Misc Info : ;;0;1;
Comment :
Method : \\alshsws008\Target\chem\SV6.i\140325.b\R8270DLL.m
Meth Date : 09-Nov-2014 10:43 SV6.i Quant Type: ISTD
Cal Date : 23-OCT-2013 03:51 Cal File: 032.D
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2MP.sub
Target Version: 4.14
Processing Host: ALSHSW7106

Concentration Formula: Amt * DF * Uf * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

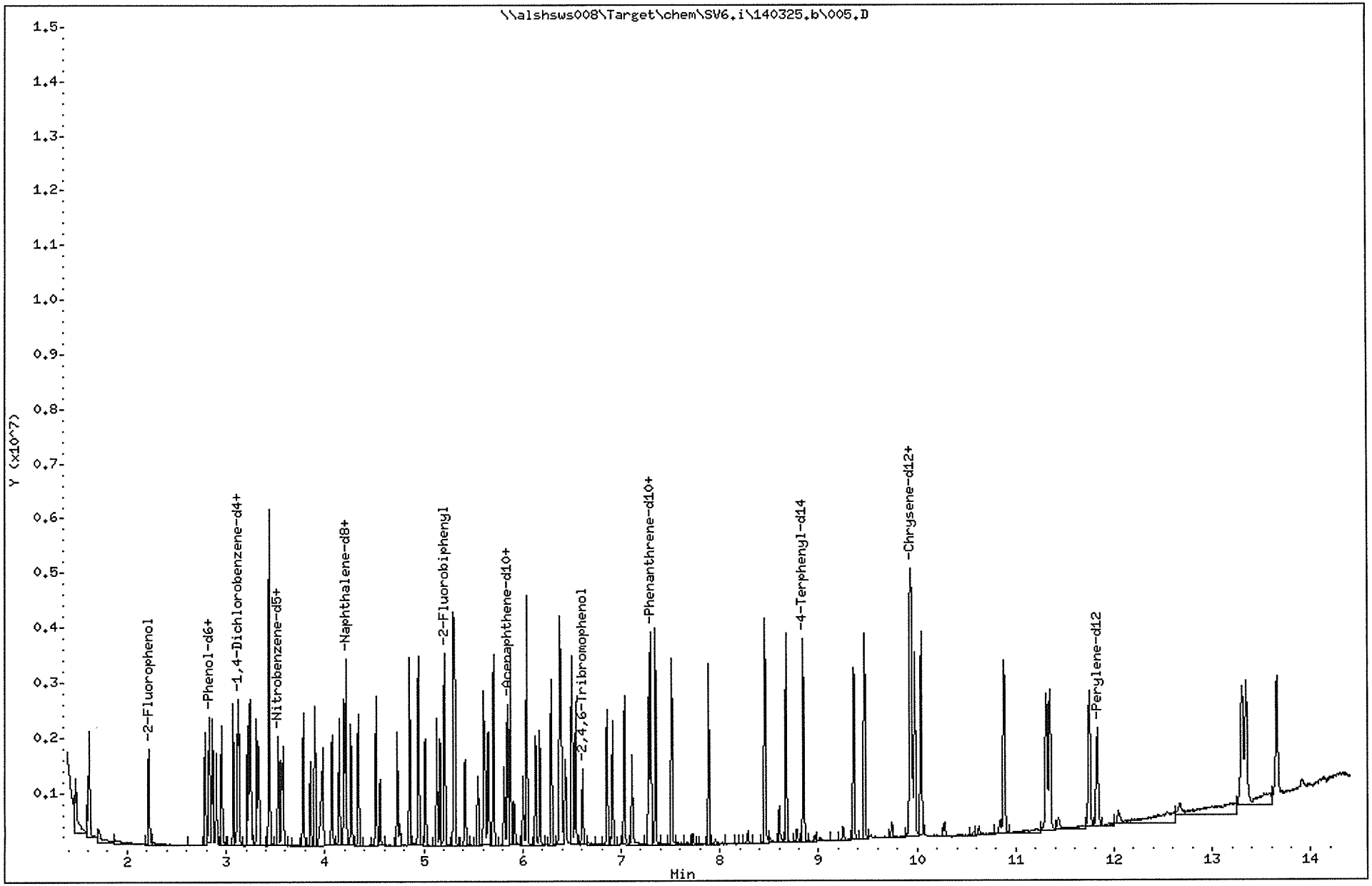
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 20 1,4-Dichlorobenzene-d4	152	3.114	3.114	(1.000)	254646	2.00000	(Q)
$ 9 2-Fluorophenol	112	2.221	2.221	(0.713)	363752	2.50000	2.505
$ 13 Phenol-d6	99	2.825	2.825	(0.907)	451824	2.50000	2.697
* 45 Naphthalene-d8	136	4.195	4.195	(1.000)	1034540	2.00000	
$ 33 Nitrobenzene-d5	82	3.558	3.558	(0.848)	415489	2.50000	2.600
* 86 Acenaphthene-d10	164	5.847	5.847	(1.000)	513277	2.00000	
$ 69 2-Fluorobiphenyl	172	5.211	5.211	(0.891)	949199	2.50000	2.748
$ 105 2,4,6-Tribromophenol	330	6.612	6.612	(1.131)	158195	2.50000	2.733
* 126 Phenanthrene-d10	188	7.281	7.281	(1.000)	964285	2.00000	
$ 158 4-Terphenyl-d14	244	8.848	8.848	(0.890)	1041850	2.50000	2.436
* 182 Chrysene-d12	240	9.944	9.944	(1.000)	1008485	2.00000	
* 198 Perylene-d12	264	11.827	11.827	(1.000)	929470	2.00000	
24 2-Methylphenol	108	3.307	3.307	(1.062)	357757	2.50000	2.627
29 3&4-Methylphenol	107	3.435	3.435	(1.103)	432113	2.50000	2.680

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\alshsws008\Target\chem\SV6.i\140325.b\005.D
Date : 25-MAR-2014 16:36
Client ID: SLSTD-2.5
Sample Info: SLSTD-2.5;SLSTD-2.5
Purge Volume: 1000.0
Column phase: RTX-5SIL MS

Instrument: SV6.i
Operator: LG
Column diameter: 0.28



ALS Laboratory Group

GC/MS Semivolatiles EPA method 8270D

Data file : \\alshsws008\Target\chem\SV6.i\140325.b\007.D
Lab Smp Id: SBLKW2-140325 Client Smp ID: SBLKW2-140325
Inj Date : 25-MAR-2014 17:13 MS Autotune Date: 27-FEB-2008 05:32
Operator : LG Inst ID: SV6.i
Smp Info : SBLKW2-140325;SBLKW2-140325;3;;BLANK
Misc Info : 14030923;1;0;1
Comment :
Method : \\alshsws008\Target\chem\SV6.i\140325.b\R8270DLL.m
Meth Date : 09-Nov-2014 10:40 aneir Quant Type: ISTD
Cal Date : 23-OCT-2013 03:51 Cal File: 032.D
Als bottle: 7 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2MP.sub
Target Version: 4.14
Processing Host: ALSHSW7106

Concentration Formula: Amt * DF * Uf * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

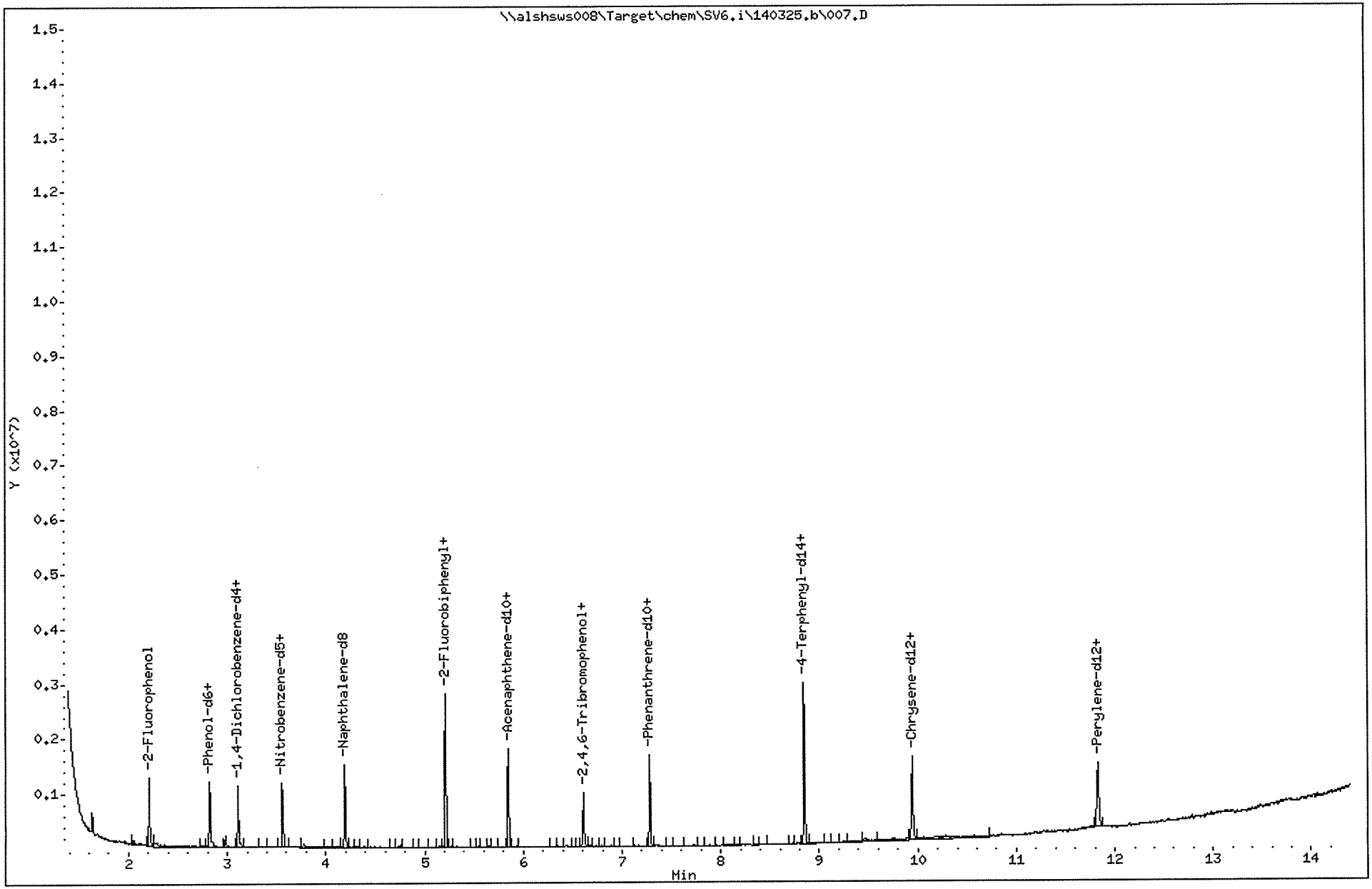
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)	
* 20 1,4-Dichlorobenzene-d4	152	3.109	3.114	(1.000)	160816	2.00000		(Q)
$ 9 2-Fluorophenol	112	2.210	2.221	(0.711)	244232	2.66329	2.663	
$ 13 Phenol-d6	99	2.820	2.826	(0.907)	332936	3.14648	3.146	
* 45 Naphthalene-d8	136	4.194	4.195	(1.000)	602129	2.00000		
$ 33 Nitrobenzene-d5	82	3.558	3.559	(0.848)	322390	3.46627	3.466	
* 86 Acenaphthene-d10	164	5.847	5.847	(1.000)	319613	2.00000		
$ 69 2-Fluorobiphenyl	172	5.211	5.211	(0.891)	686016	3.18913	3.189	
$ 105 2,4,6-Tribromophenol	330	6.612	6.612	(1.131)	115935	3.21709	3.217	
* 126 Phenanthrene-d10	188	7.281	7.281	(1.000)	563703	2.00000		
$ 158 4-Terphenyl-d14	244	8.848	8.848	(0.890)	815643	3.38112	3.381	
* 182 Chrysene-d12	240	9.944	9.944	(1.000)	568788	2.00000		
* 198 Perylene-d12	264	11.827	11.827	(1.000)	573160	2.00000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\alshsws008\Target\chem\SV6.i\140325.b\007.D
Date : 25-MAR-2014 17:13
Client ID: SBLKW2-140325
Sample Info: SBLKW2-140325;SBLKW2-140325;3;;BLANK
Purge Volume: 1000.0
Column phase: RTX-5SIL MS

Instrument: SV6.i
Operator: LG
Column diameter: 0.28



ALS Laboratory Group

GC/MS Semivolatiles EPA method 8270D

Data file : \\alshsws008\Target\chem\SV6.i\140325.b\008.D
Lab Smp Id: SLCSW2-140325 Client Smp ID: SLCSW2-140325
Inj Date : 25-MAR-2014 17:32 MS Autotune Date: 27-FEB-2008 05:32
Operator : LG Inst ID: SV6.i
Smp Info : SLCSW2-140325;SLCSW2-140325;3;;LCS
Misc Info : 14030923;1;0;1
Comment :
Method : \\alshsws008\Target\chem\SV6.i\140325.b\R8270DLL.m
Meth Date : 09-Nov-2014 10:40 aneir Quant Type: ISTD
Cal Date : 23-OCT-2013 03:51 Cal File: 032.D
Als bottle: 8 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2MP.sub
Target Version: 4.14
Processing Host: ALSHSW7106

Concentration Formula: Amt * DF * Uf * Vt/Vo * CpndVariable

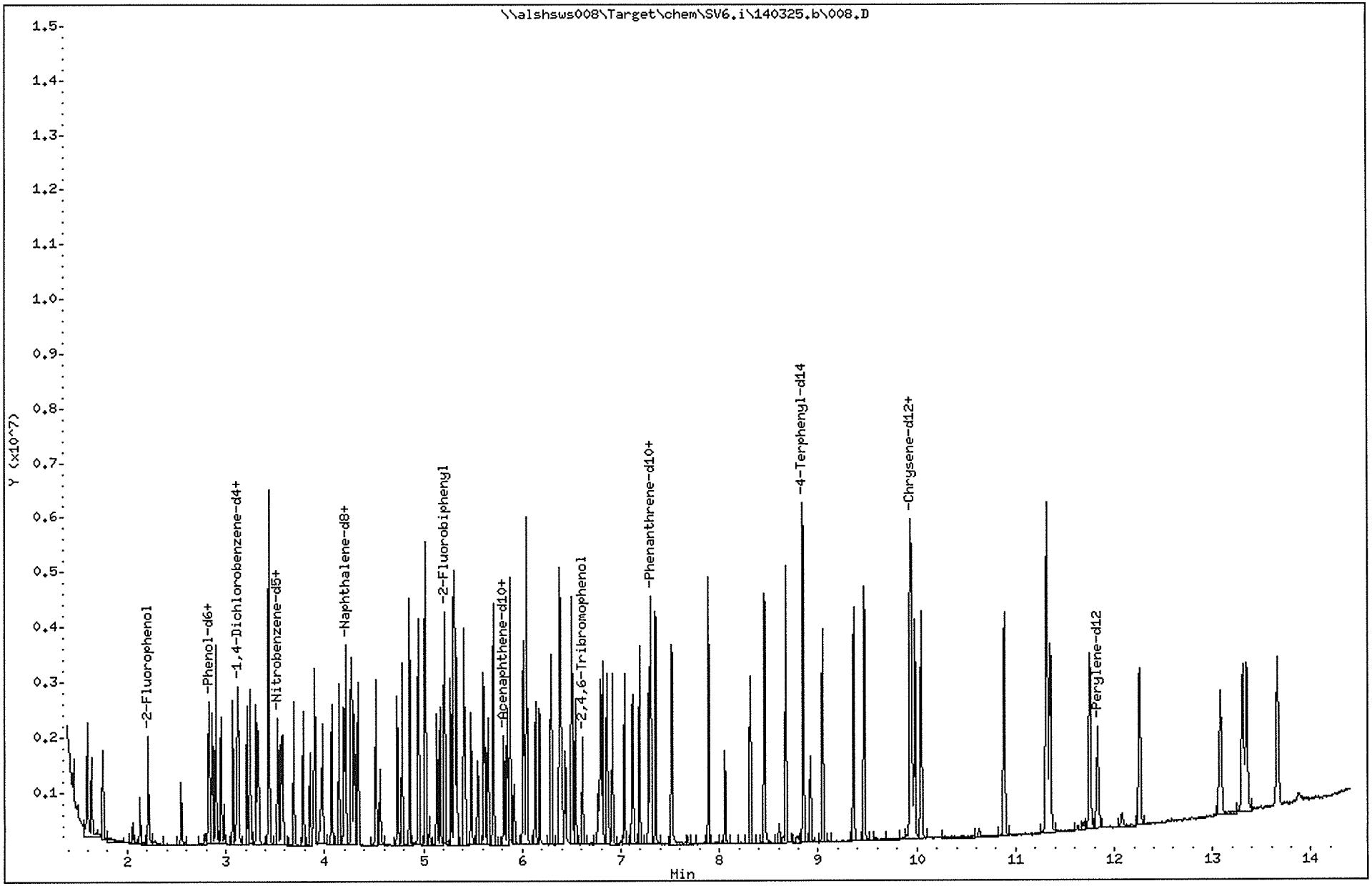
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 20 1,4-Dichlorobenzene-d4	152	3.109	3.114	(1.000)	224261	2.00000	(Q)
$ 9 2-Fluorophenol	112	2.210	2.221	(0.711)	417184	3.26227	3.262
$ 13 Phenol-d6	99	2.825	2.826	(0.909)	519337	3.51956	3.520
* 45 Naphthalene-d8	136	4.194	4.195	(1.000)	927925	2.00000	
$ 33 Nitrobenzene-d5	82	3.563	3.559	(0.850)	514795	3.59163	3.592
* 86 Acenaphthene-d10	164	5.847	5.847	(1.000)	470693	2.00000	
$ 69 2-Fluorobiphenyl	172	5.211	5.211	(0.891)	1102635	3.48062	3.481
$ 105 2,4,6-Tribromophenol	330	6.612	6.612	(1.131)	203795	3.83997	3.840
* 126 Phenanthrene-d10	188	7.281	7.281	(1.000)	862629	2.00000	
$ 158 4-Terphenyl-d14	244	8.848	8.848	(0.889)	1289861	3.49892	3.499
* 182 Chrysene-d12	240	9.949	9.944	(1.000)	869201	2.00000	
* 198 Perylene-d12	264	11.832	11.827	(1.000)	867951	2.00000	
24 2-Methylphenol	108	3.306	3.307	(1.064)	407245	3.39575	3.396
29 3&4-Methylphenol	107	3.440	3.435	(1.107)	506288	3.56512	3.565

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\alshsws008\Target\chem\SV6.i\140325.b\008.D
Date : 25-MAR-2014 17:32
Client ID: SLCSW2-140325
Instrument: SV6.i
Sample Info: SLCSW2-140325;SLCSW2-140325;3;;LCS
Purge Volume: 1000.0
Operator: LG
Column phase: RTX-5SIL MS
Column diameter: 0.28



ALS Laboratory Group

GC/MS Semivolatiles EPA method 8270D

Data file : \\alshsws008\Target\chem\SV6.i\140325.b\009.D
Lab Smp Id: SLCSDW2-140325 Client Smp ID: SLCSDW2-140325
Inj Date : 25-MAR-2014 17:50 MS Autotune Date: 27-FEB-2008 05:32
Operator : LG Inst ID: SV6.i
Smp Info : SLCSDW2-140325;SLCSDW2-140325;3;;LCSD
Misc Info : 14030923;1;0;1
Comment :
Method : \\alshsws008\Target\chem\SV6.i\140325.b\R8270DLL.m
Meth Date : 09-Nov-2014 10:40 aneir Quant Type: ISTD
Cal Date : 23-OCT-2013 03:51 Cal File: 032.D
Als bottle: 9 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2MP.sub
Target Version: 4.14
Processing Host: ALSHSW7106

Concentration Formula: Amt * DF * Uf * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

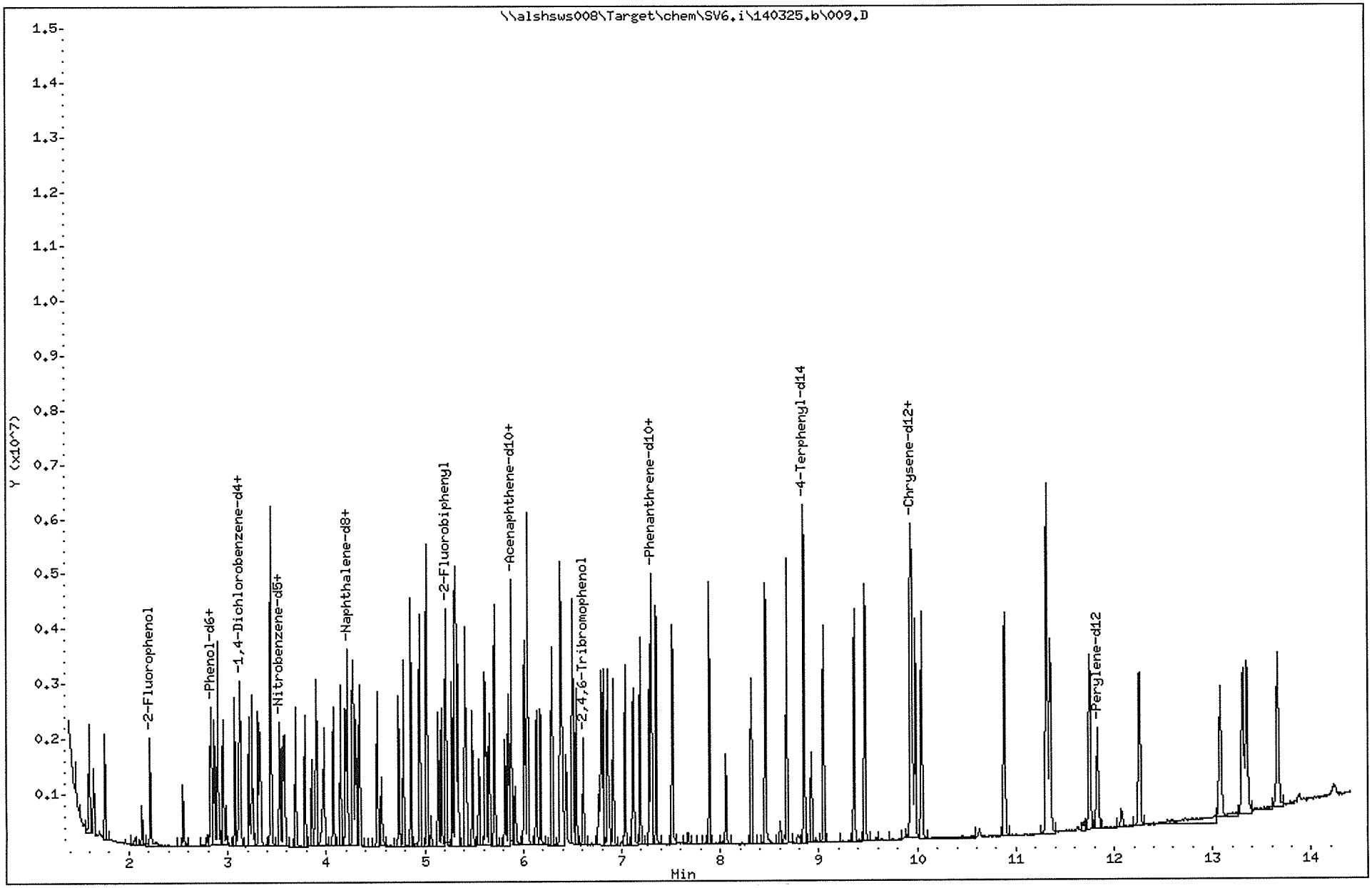
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)	
* 20 1,4-Dichlorobenzene-d4	152	3.114	3.114	(1.000)	238717	2.00000		(Q)
$ 9 2-Fluorophenol	112	2.215	2.221	(0.711)	422544	3.10409	3.104	
$ 13 Phenol-d6	99	2.825	2.826	(0.907)	519515	3.30756	3.308	
* 45 Naphthalene-d8	136	4.194	4.195	(1.000)	944050	2.00000		
$ 33 Nitrobenzene-d5	82	3.563	3.559	(0.850)	517081	3.54596	3.546	
* 86 Acenaphthene-d10	164	5.847	5.847	(1.000)	490256	2.00000		
$ 69 2-Fluorobiphenyl	172	5.211	5.211	(0.891)	1094506	3.31709	3.317	
$ 105 2,4,6-Tribromophenol	330	6.612	6.612	(1.131)	203222	3.67638	3.676	
* 126 Phenanthrene-d10	188	7.281	7.281	(1.000)	885695	2.00000		
$ 158 4-Terphenyl-d14	244	8.848	8.848	(0.889)	1271108	3.30433	3.304	
* 182 Chrysene-d12	240	9.949	9.944	(1.000)	907005	2.00000		
* 198 Perylene-d12	264	11.832	11.827	(1.000)	892348	2.00000		
24 2-Methylphenol	108	3.306	3.307	(1.062)	431049	3.37658	3.376	
29 3&4-Methylphenol	107	3.440	3.435	(1.105)	503605	3.33148	3.331	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\alshsws008\Target\chem\SV6.i\140325.b\009.D
Date : 25-MAR-2014 17:50
Client ID: SLCSDW2-140325
Sample Info: SLCSDW2-140325;SLCSDW2-140325;3;;LCSD
Purge Volume: 1000.0
Column phase: RTX-5SIL MS

Instrument: SV6.i
Operator: LG
Column diameter: 0.28



ALS Laboratory Group

GC/MS Semivolatiles EPA method 8270D

Data file : \\alshsws008\Target\chem\SV6.i\140325.b\010.D
Lab Smp Id: 14030923-01B Client Smp ID: 14030923-01B
Inj Date : 25-MAR-2014 18:12 MS Autotune Date: 27-FEB-2008 05:32
Operator : LG Inst ID: SV6.i
Smp Info : 14030923-01B;14030923-01B
Misc Info : 14030923;1;0;1
Comment :
Method : \\alshsws008\Target\chem\SV6.i\140325.b\R8270DLL.m
Meth Date : 09-Nov-2014 10:40 aneir Quant Type: ISTD
Cal Date : 23-OCT-2013 03:51 Cal File: 032.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2MP.sub
Target Version: 4.14
Processing Host: ALSHSW7106

Concentration Formula: Amt * DF * Uf * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

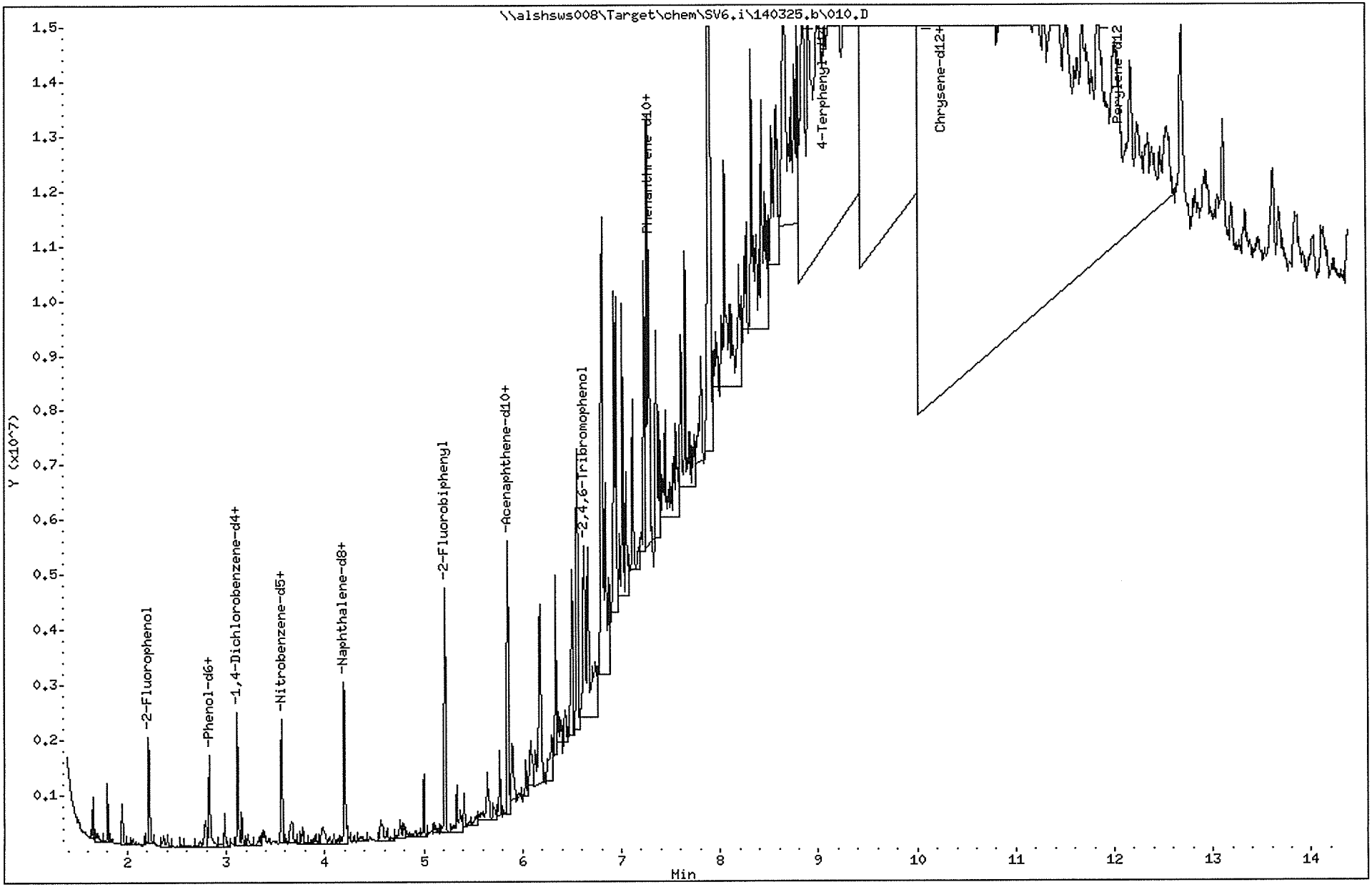
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)	
* 20 1,4-Dichlorobenzene-d4	152	3.114	3.114	(1.000)	317280	2.00000		(Q)
$ 9 2-Fluorophenol	112	2.216	2.221	(0.711)	458482	2.53411	2.534	
$ 13 Phenol-d6	99	2.825	2.826	(0.907)	581864	2.78722	2.787	
* 45 Naphthalene-d8	136	4.195	4.195	(1.000)	1279811	2.00000		
$ 33 Nitrobenzene-d5	82	3.563	3.559	(0.850)	584194	2.95516	2.955	
* 86 Acenaphthene-d10	164	5.853	5.847	(1.000)	662942	2.00000		
$ 69 2-Fluorobiphenyl	172	5.216	5.211	(0.891)	1172136	2.62703	2.627	
$ 105 2,4,6-Tribromophenol	330	6.623	6.612	(1.132)	233054	3.11784	3.118	
* 126 Phenanthrene-d10	188	7.291	7.281	(1.000)	1286653	2.00000		
$ 158 4-Terphenyl-d14	244	8.864	8.848	(0.894)	1491766	2.92423	2.924	
* 182 Chrysene-d12	240	9.971	9.944	(1.000)	1202819	2.00000		(H)
* 198 Perylene-d12	264	11.864	11.827	(1.000)	1210898	2.00000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\alshsws008\Target\chem\SV6.i\140325.b\010.D
Date : 25-MAR-2014 18:12
Client ID: 14030923-01B
Sample Info: 14030923-01B;14030923-01B
Purge Volume: 1000.0
Column phase: RTX-5SIL MS

Instrument: SV6.i
Operator: LG
Column diameter: 0.28



ALS Laboratory Group

GC/MS Semivolatiles EPA method 8270D

Data file : \\alshsws008\Target\chem\SV6.i\140325.b\011.D
Lab Smp Id: 14030923-02B Client Smp ID: 14030923-02B
Inj Date : 25-MAR-2014 18:31 MS Autotune Date: 27-FEB-2008 05:32
Operator : LG Inst ID: SV6.i
Smp Info : 14030923-02B;14030923-02B
Misc Info : 14030923;1;0;1
Comment :
Method : \\alshsws008\Target\chem\SV6.i\140325.b\R8270DLL.m
Meth Date : 09-Nov-2014 10:40 aneir Quant Type: ISTD
Cal Date : 23-OCT-2013 03:51 Cal File: 032.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2MP.sub
Target Version: 4.14
Processing Host: ALSHSW7106

Concentration Formula: Amt * DF * Uf * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

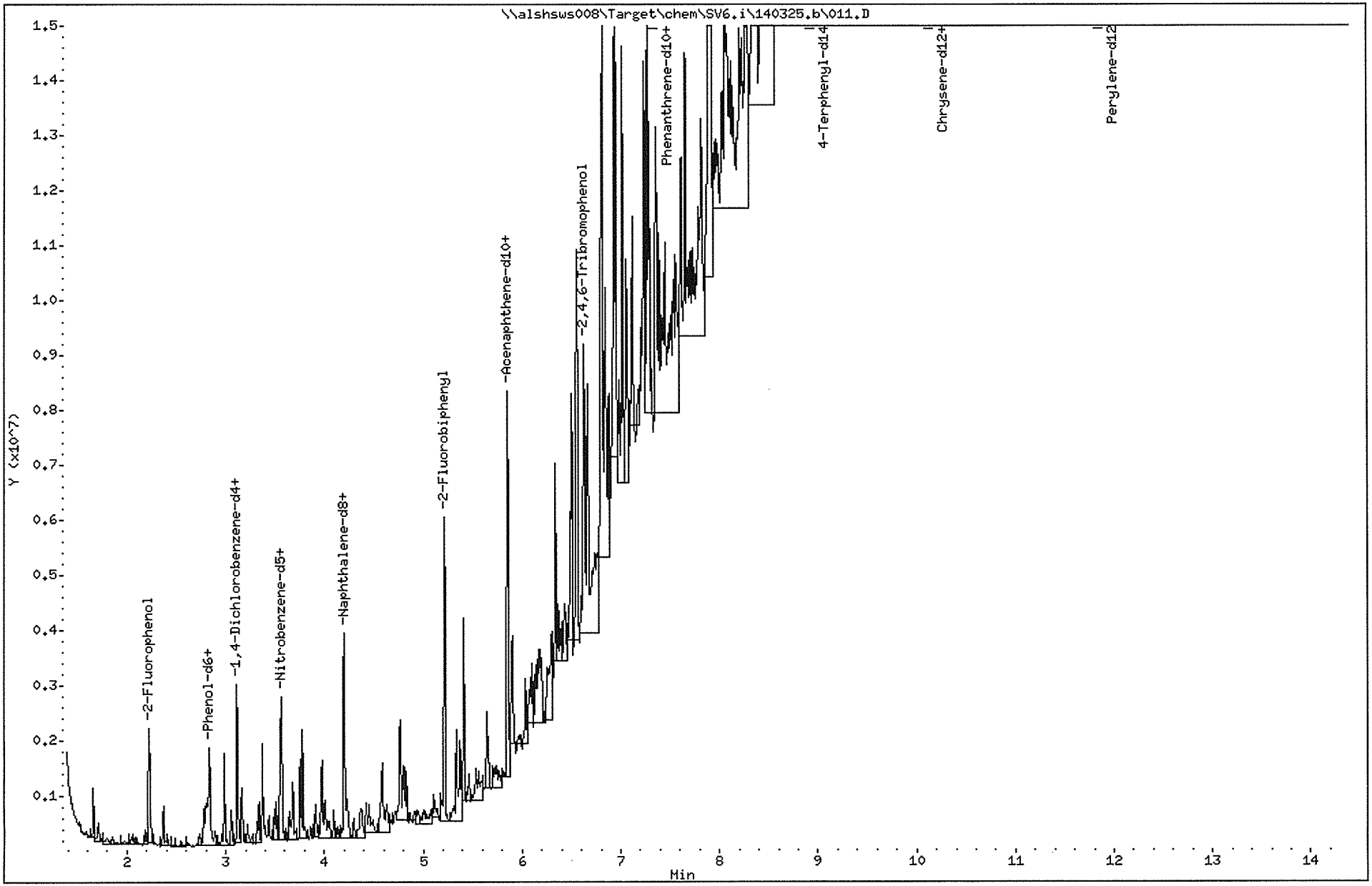
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 20 1,4-Dichlorobenzene-d4	152	3.114	3.114	(1.000)	374433	2.00000	(Q)
$ 9 2-Fluorophenol	112	2.226	2.221	(0.715)	494499	2.31599	2.316
$ 13 Phenol-d6	99	2.836	2.826	(0.911)	620871	2.52012	2.520
* 45 Naphthalene-d8	136	4.200	4.195	(1.000)	1462638	2.00000	
$ 33 Nitrobenzene-d5	82	3.563	3.559	(0.848)	616614	2.72927	2.729
* 86 Acenaphthene-d10	164	5.853	5.847	(1.000)	770546	2.00000	
$ 69 2-Fluorobiphenyl	172	5.216	5.211	(0.891)	1374893	2.65114	2.651
$ 105 2,4,6-Tribromophenol	330	6.628	6.612	(1.133)	318413	3.66492	3.665
* 126 Phenanthrene-d10	188	7.291	7.281	(1.000)	1392204	2.00000	
$ 158 4-Terphenyl-d14	244	8.869	8.848	(0.894)	1999606	3.42149	3.421
* 182 Chrysene-d12	240	9.982	9.944	(1.000)	1377973	2.00000	(H)
* 198 Perylene-d12	264	11.880	11.827	(1.000)	1413601	2.00000	(H)
24 2-Methylphenol	108	3.317	3.307	(1.065)	23381	0.11677	0.1168(aQ)
29 3&4-Methylphenol	107	3.446	3.435	(1.106)	24993	0.10541	0.1054(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\alshsws008\Target\chem\SV6.i\140325.b\011.D
Date : 25-MAR-2014 18:31
Client ID: 14030923-02B
Sample Info: 14030923-02B;14030923-02B
Purge Volume: 1000.0
Column phase: RTX-5SIL MS

Instrument: SV6.i
Operator: LG
Column diameter: 0.28



Data File: \\alshsws008\Target\chem\SV6.i\140325.b\011.D

Date : 25-MAR-2014 18:31

Client ID: 14030923-02B

Instrument: SV6.i

Sample Info: 14030923-02B;14030923-02B

Purge Volume: 1000.0

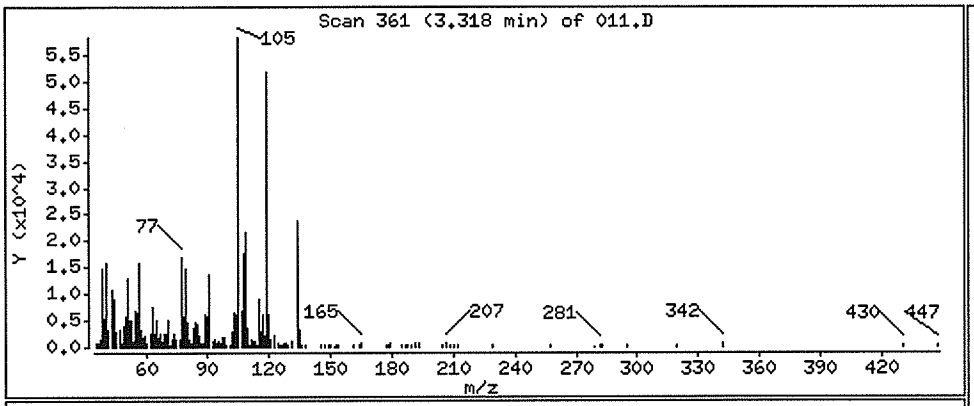
Operator: LG

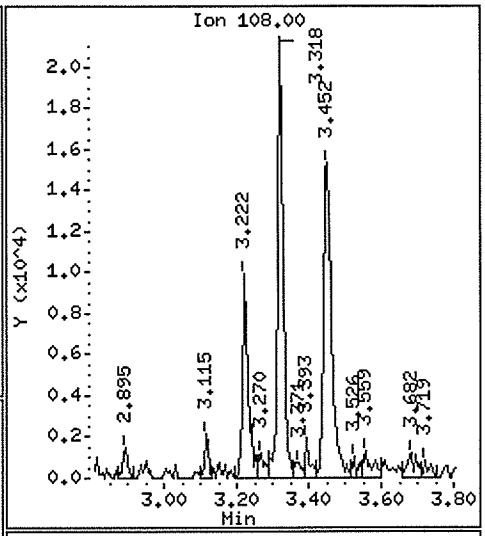
Column phase: RTX-5SIL MS

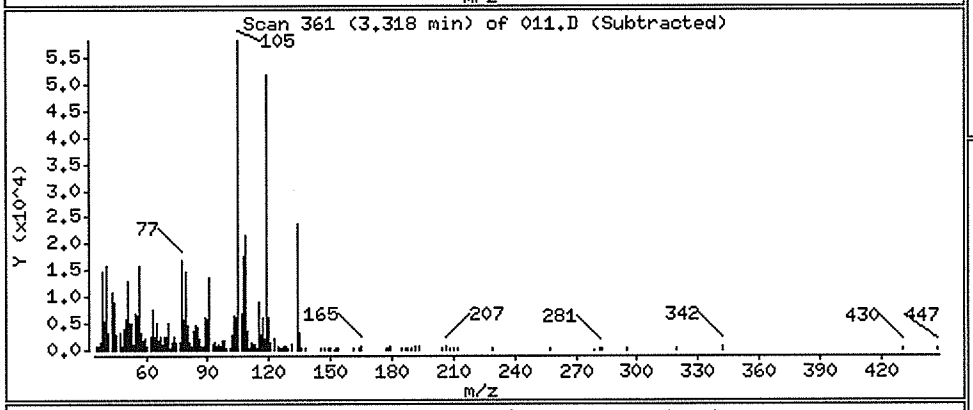
Column diameter: 0.28

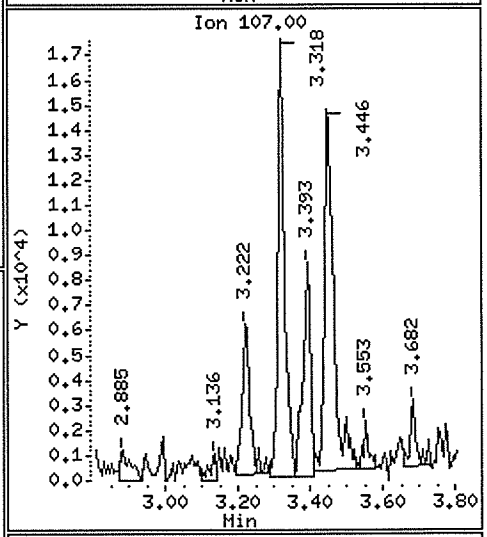
24 2-Methylphenol

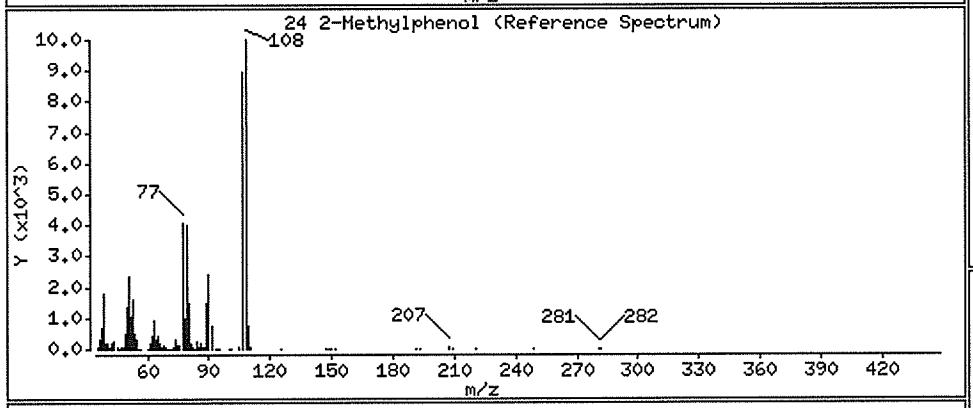
Concentration: 0.1168 ug/L

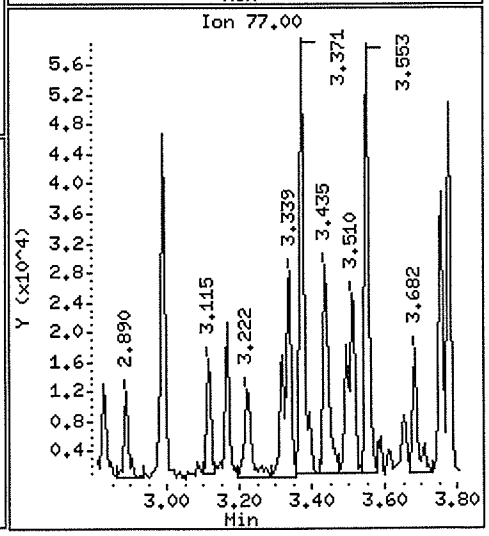


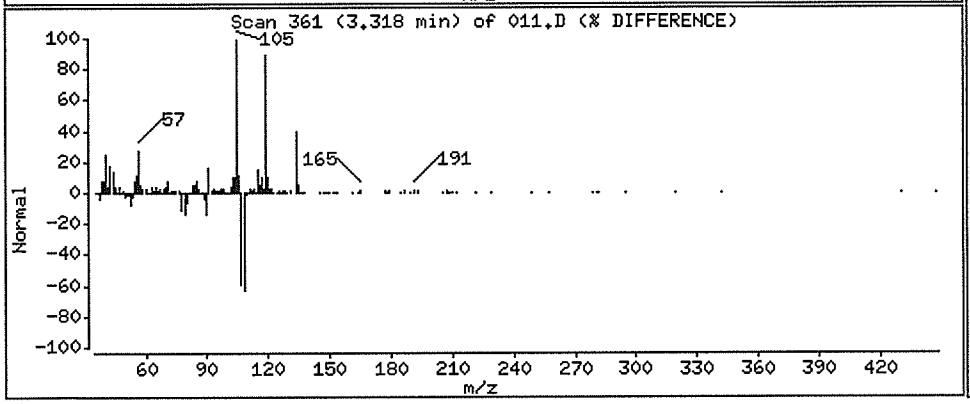












Data File: \\alshsws008\Target\chem\SV6.i\140325.b\011.D

Date : 25-MAR-2014 18:31

Client ID: 14030923-02B

Instrument: SV6.i

Sample Info: 14030923-02B;14030923-02B

Purge Volume: 1000.0

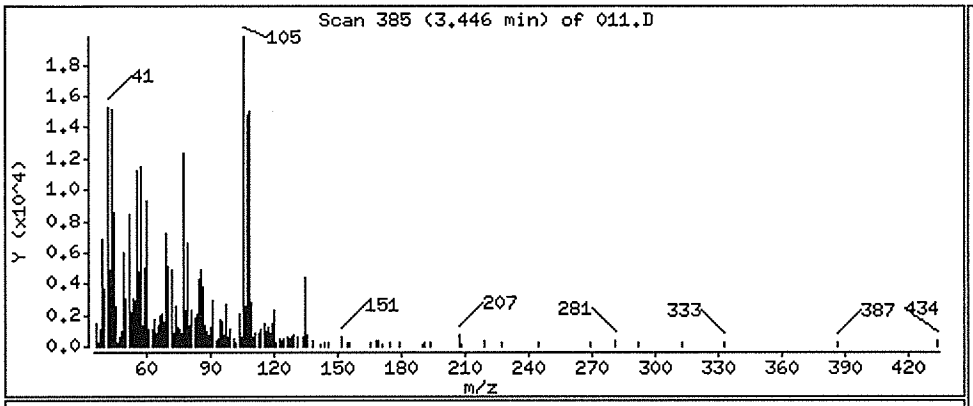
Operator: LG

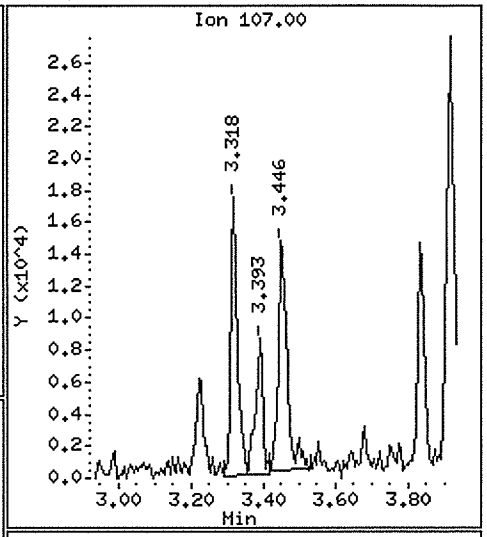
Column phase: RTX-5SIL MS

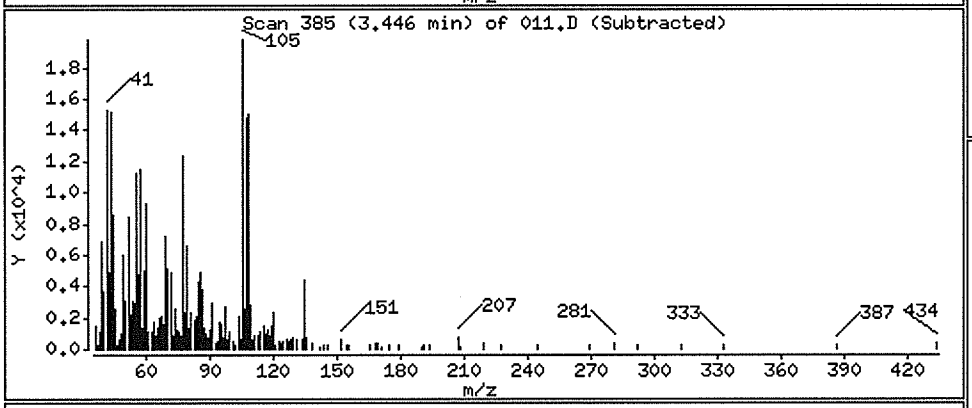
Column diameter: 0.28

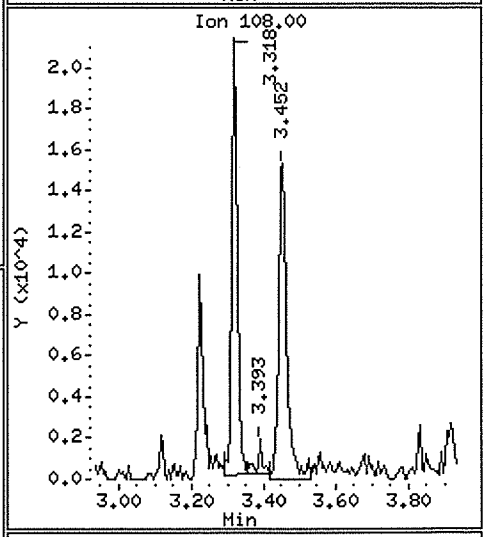
29 3&4-Methylphenol

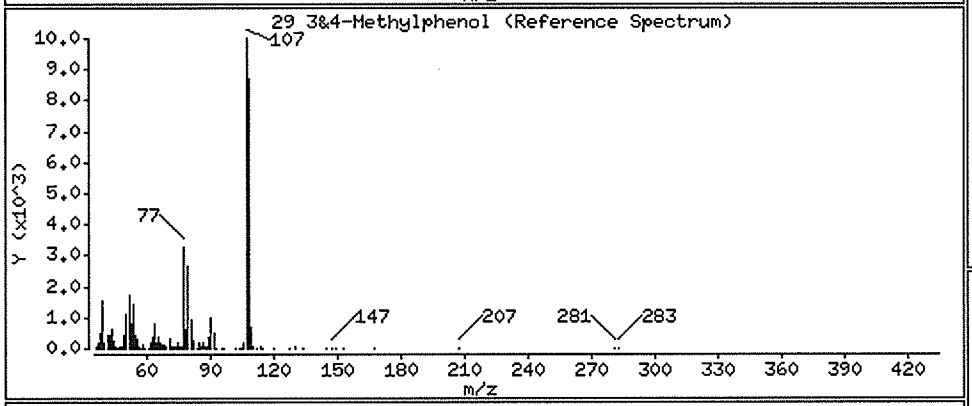
Concentration: 0.1054 ug/L

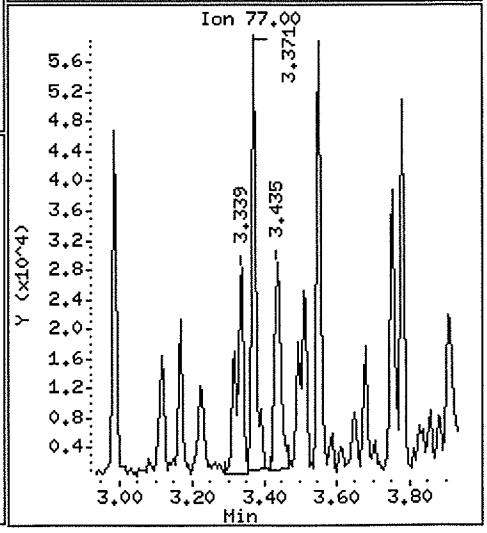


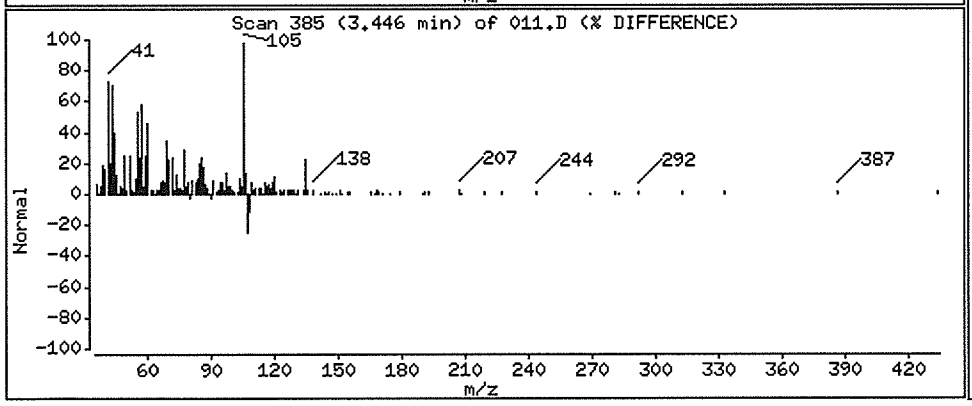












ALS Laboratory Group

GC/MS Semivolatiles EPA method 8270D

Data file : \\alshsws008\Target\chem\SV6.i\140325.b\012.D
Lab Smp Id: 14030923-03B Client Smp ID: 14030923-03B
Inj Date : 25-MAR-2014 18:49 MS Autotune Date: 27-FEB-2008 05:32
Operator : LG Inst ID: SV6.i
Smp Info : 14030923-03B;14030923-03B
Misc Info : 14030923;1;0;1
Comment :
Method : \\alshsws008\Target\chem\SV6.i\140325.b\R8270DLL.m
Meth Date : 09-Nov-2014 10:40 aneir Quant Type: ISTD
Cal Date : 23-OCT-2013 03:51 Cal File: 032.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2MP.sub
Target Version: 4.14
Processing Host: ALSHSW7106

Concentration Formula: Amt * DF * Uf * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

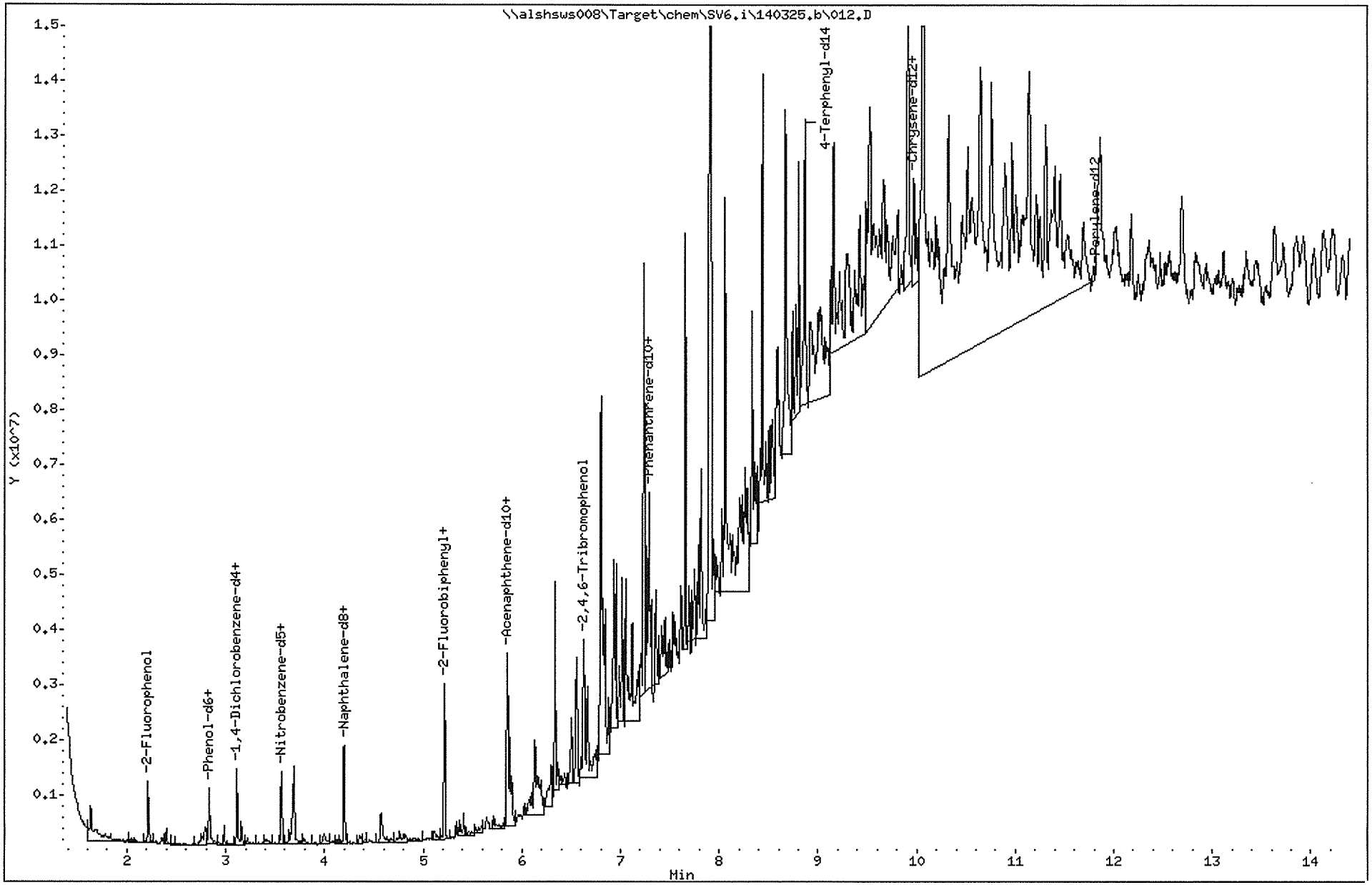
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)	
* 20 1,4-Dichlorobenzene-d4	152	3.114	3.114	(1.000)	183478	2.00000		(Q)
$ 9 2-Fluorophenol	112	2.216	2.221	(0.711)	252169	2.41020	2.410	
$ 13 Phenol-d6	99	2.831	2.826	(0.909)	330935	2.74127	2.741	
* 45 Naphthalene-d8	136	4.200	4.195	(1.000)	764708	2.00000		
$ 33 Nitrobenzene-d5	82	3.563	3.559	(0.848)	313441	2.65357	2.654	
* 86 Acenaphthene-d10	164	5.853	5.847	(1.000)	396152	2.00000		
$ 69 2-Fluorobiphenyl	172	5.216	5.211	(0.891)	703635	2.63905	2.639	
$ 105 2,4,6-Tribromophenol	330	6.623	6.612	(1.132)	156027	3.49309	3.493	
* 126 Phenanthrene-d10	188	7.286	7.281	(1.000)	738450	2.00000		
$ 158 4-Terphenyl-d14	244	8.864	8.848	(0.889)	914031	2.91362	2.914	
* 182 Chrysene-d12	240	9.966	9.944	(1.000)	739671	2.00000		
* 198 Perylene-d12	264	11.864	11.827	(1.000)	735674	2.00000		(H)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\alshsws008\Target\chem\SV6.i\140325.b\012.D
Date : 25-MAR-2014 18:49
Client ID: 14030923-03B
Sample Info: 14030923-03B;14030923-03B
Purge Volume: 1000.0
Column phase: RTX-5SIL MS

Instrument: SV6.i
Operator: LG
Column diameter: 0.28



ALS Laboratory Group

GC/MS Semivolatiles EPA method 8270D

Data file : \\alshsws008\Target\chem\SV6.i\140325.b\013.D
Lab Smp Id: 14030923-04B Client Smp ID: 14030923-04B
Inj Date : 25-MAR-2014 19:08 MS Autotune Date: 27-FEB-2008 05:32
Operator : LG Inst ID: SV6.i
Smp Info : 14030923-04B;14030923-04B
Misc Info : 14030923;1;0;1
Comment :
Method : \\alshsws008\Target\chem\SV6.i\140325.b\R8270DLL.m
Meth Date : 09-Nov-2014 10:40 aneir Quant Type: ISTD
Cal Date : 23-OCT-2013 03:51 Cal File: 032.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2MP.sub
Target Version: 4.14
Processing Host: ALSHSW7106

Concentration Formula: Amt * DF * Uf * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

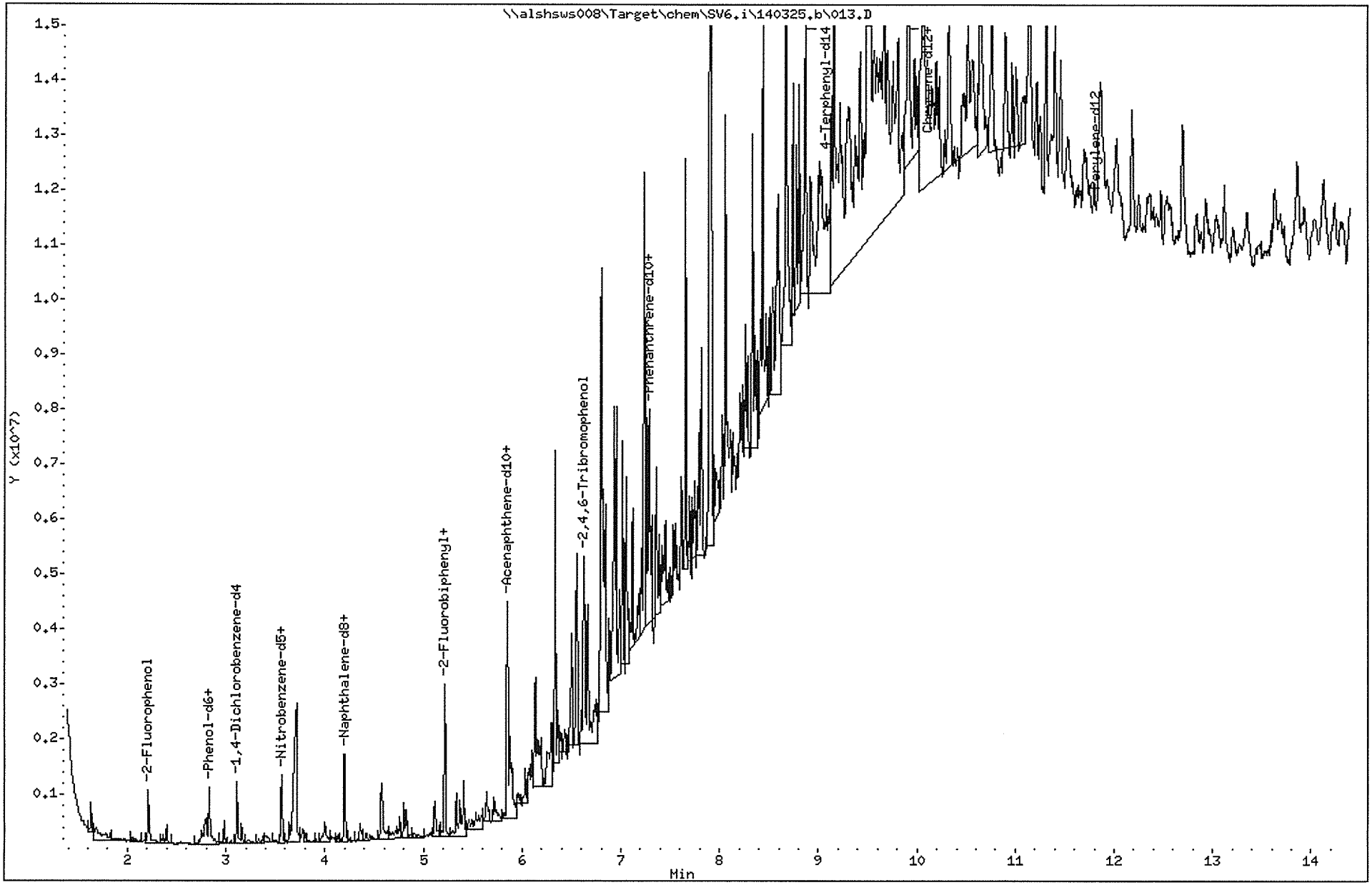
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)	
* 20 1,4-Dichlorobenzene-d4	152	3.114	3.114	(1.000)	174367	2.00000		(Q)
$ 9 2-Fluorophenol	112	2.215	2.221	(0.711)	244258	2.45658	2.456	
$ 13 Phenol-d6	99	2.831	2.826	(0.909)	318277	2.77418	2.774	
* 45 Naphthalene-d8	136	4.200	4.195	(1.000)	686315	2.00000		
$ 33 Nitrobenzene-d5	82	3.563	3.559	(0.848)	308240	2.90761	2.908	
* 86 Acenaphthene-d10	164	5.853	5.847	(1.000)	360218	2.00000		
$ 69 2-Fluorobiphenyl	172	5.216	5.211	(0.891)	677025	2.79255	2.792	
$ 105 2,4,6-Tribromophenol	330	6.628	6.612	(1.133)	162148	3.99226	3.992	
* 126 Phenanthrene-d10	188	7.286	7.281	(1.000)	654125	2.00000		
$ 158 4-Terphenyl-d14	244	8.864	8.848	(0.889)	1001635	3.47244	3.472	
* 182 Chrysene-d12	240	9.971	9.944	(1.000)	680120	2.00000		
* 198 Perylene-d12	264	11.870	11.827	(1.000)	704350	2.00000		(H)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\alshsws008\Target\chem\SV6.i\140325.b\013.D
Date : 25-MAR-2014 19:08
Client ID: 14030923-04B
Sample Info: 14030923-04B;14030923-04B
Purge Volume: 1000.0
Column phase: RTX-5SIL MS

Instrument: SV6.i
Operator: LG
Column diameter: 0.28



ALS Laboratory Group

GC/MS Semivolatiles EPA method 8270D

Data file : \\alshsws008\Target\chem\SV6.i\140325.b\014.D
Lab Smp Id: 14030923-05B Client Smp ID: 14030923-05B
Inj Date : 25-MAR-2014 19:26 MS Autotune Date: 27-FEB-2008 05:32
Operator : LG Inst ID: SV6.i
Smp Info : 14030923-05B;14030923-05B
Misc Info : 14030923;1;0;1
Comment :
Method : \\alshsws008\Target\chem\SV6.i\140325.b\R8270DLL.m
Meth Date : 09-Nov-2014 10:40 aneir Quant Type: ISTD
Cal Date : 23-OCT-2013 03:51 Cal File: 032.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2MP.sub
Target Version: 4.14
Processing Host: ALSHSW7106

Concentration Formula: Amt * DF * Uf * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

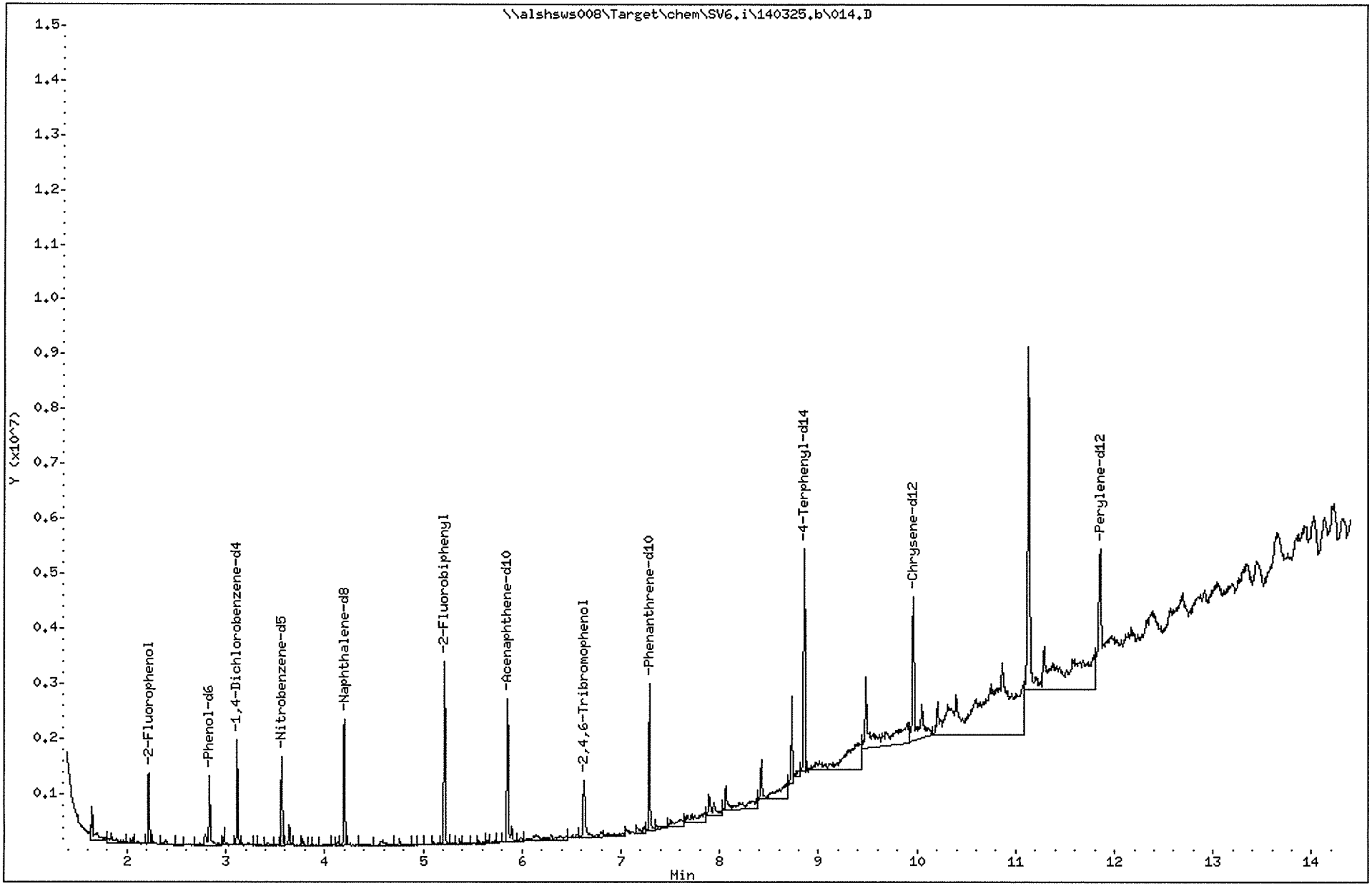
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)	
* 20 1,4-Dichlorobenzene-d4	152	3.114	3.114	(1.000)	238677	2.00000		(Q)
$ 9 2-Fluorophenol	112	2.221	2.221	(0.713)	306264	2.25025	2.250	
$ 13 Phenol-d6	99	2.830	2.826	(0.909)	399528	2.54407	2.544	
* 45 Naphthalene-d8	136	4.200	4.195	(1.000)	944247	2.00000		
$ 33 Nitrobenzene-d5	82	3.563	3.559	(0.848)	382675	2.62370	2.624	
* 86 Acenaphthene-d10	164	5.852	5.847	(1.000)	482490	2.00000		
$ 69 2-Fluorobiphenyl	172	5.216	5.211	(0.891)	827059	2.54689	2.547	
$ 105 2,4,6-Tribromophenol	330	6.628	6.612	(1.133)	169084	3.10804	3.108	
* 126 Phenanthrene-d10	188	7.286	7.281	(1.000)	903323	2.00000		
$ 158 4-Terphenyl-d14	244	8.858	8.848	(0.889)	1146863	2.92348	2.923	
* 182 Chrysene-d12	240	9.960	9.944	(1.000)	924959	2.00000		
* 198 Perylene-d12	264	11.854	11.827	(1.000)	928453	2.00000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\alshsws008\Target\chem\SV6.i\140325.b\014.D
Date : 25-MAR-2014 19:26
Client ID: 14030923-05B
Sample Info: 14030923-05B;14030923-05B
Purge Volume: 1000.0
Column phase: RTX-5SIL MS

Instrument: SV6.i
Operator: LG
Column diameter: 0.28



ALS Laboratory Group

GC/MS Semivolatiles EPA method 8270D

Data file : \\alshsws008\Target\chem\SV6.i\140325.b\015.D
Lab Smp Id: 14030923-06B Client Smp ID: 14030923-06B
Inj Date : 25-MAR-2014 19:44 MS Autotune Date: 27-FEB-2008 05:32
Operator : LG Inst ID: SV6.i
Smp Info : 14030923-06B;14030923-06B
Misc Info : 14030923;1;0;1
Comment :
Method : \\alshsws008\Target\chem\SV6.i\140325.b\R8270DLL.m
Meth Date : 09-Nov-2014 10:40 aneir Quant Type: ISTD
Cal Date : 23-OCT-2013 03:51 Cal File: 032.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2MP.sub
Target Version: 4.14
Processing Host: ALSHSW7106

Concentration Formula: Amt * DF * Uf * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

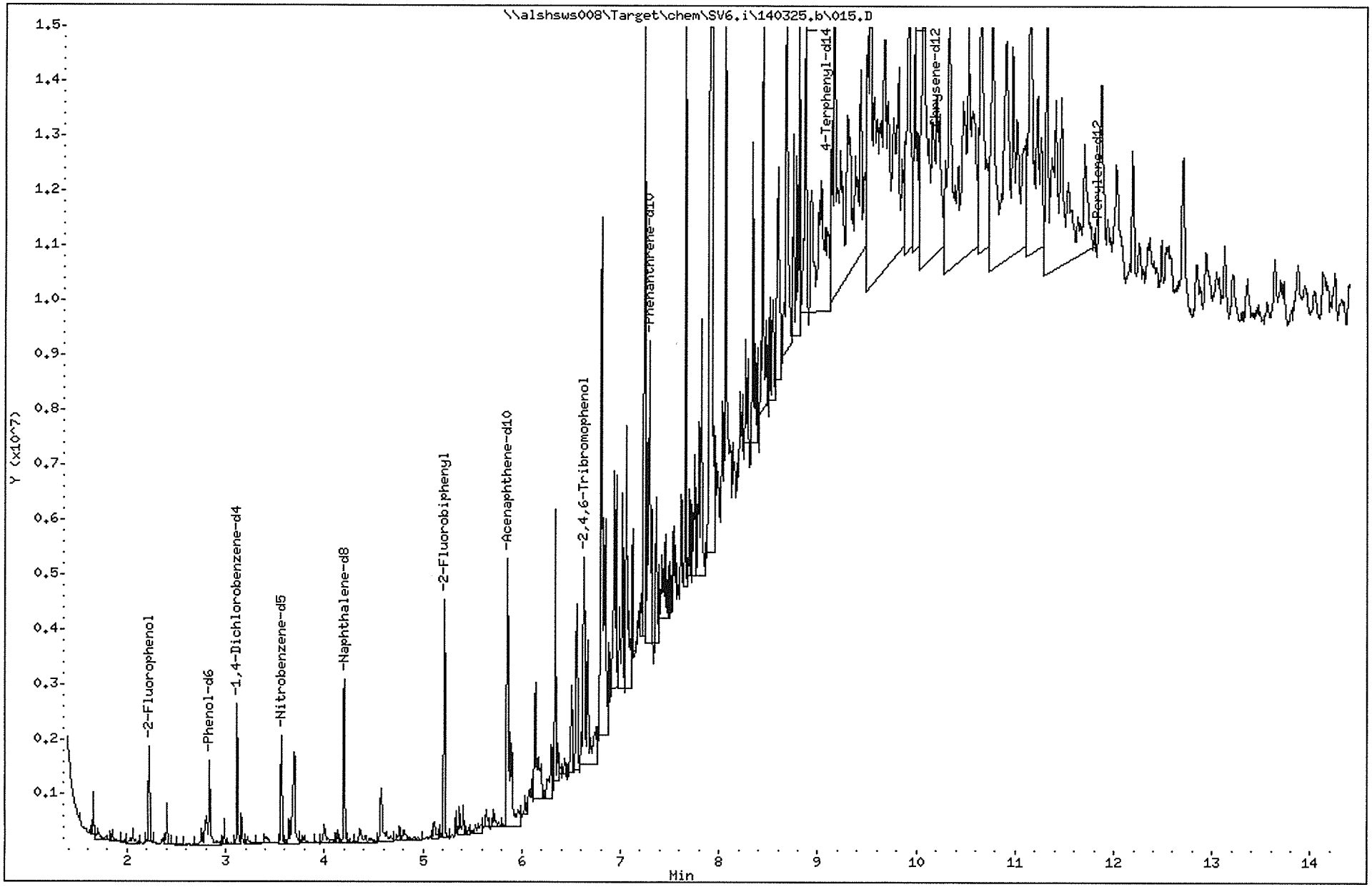
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)	
* 20 1,4-Dichlorobenzene-d4	152	3.114	3.114	(1.000)	307677	2.00000		(Q)
$ 9 2-Fluorophenol	112	2.221	2.221	(0.713)	391772	2.23298	2.233	
$ 13 Phenol-d6	99	2.830	2.826	(0.909)	463993	2.29197	2.292	
* 45 Naphthalene-d8	136	4.200	4.195	(1.000)	1217020	2.00000		
$ 33 Nitrobenzene-d5	82	3.563	3.559	(0.848)	461952	2.45736	2.457	
* 86 Acenaphthene-d10	164	5.852	5.847	(1.000)	625790	2.00000		
$ 69 2-Fluorobiphenyl	172	5.216	5.211	(0.891)	1099822	2.61129	2.611	
$ 105 2,4,6-Tribromophenol	330	6.628	6.612	(1.133)	253012	3.58579	3.586	
* 126 Phenanthrene-d10	188	7.291	7.281	(1.000)	1183976	2.00000		
$ 158 4-Terphenyl-d14	244	8.864	8.848	(0.889)	1654716	3.27928	3.279	
* 182 Chrysene-d12	240	9.971	9.944	(1.000)	1189751	2.00000		
* 198 Perylene-d12	264	11.870	11.827	(1.000)	1204847	2.00000		(H)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\alshsws008\Target\chem\SV6.i\140325.b\015.D
Date : 25-MAR-2014 19:44
Client ID: 14030923-06B
Sample Info: 14030923-06B;14030923-06B
Purge Volume: 1000.0
Column phase: RTX-5SIL MS

Instrument: SV6.i
Operator: LG
Column diameter: 0.28



PREP BATCH REPORT

Batch ID: **80038**

Prep Code: **3510_B_LOW**

InitSampWt/Vol 0

FinSampVol: 1

Start Date: **25-Mar-14 10:00 am**

End Date: **25-Mar-14 03:23 pm**

OriginalFac: 0.001

Technician: **Todi Lala**

PrepUnitFac: 0

SampID	Frac	Matrix	pH	Init Wt/Vol	FinalVol (mL)	PrepFac	SpkFac	TestDueDate	Comments
HS14030923-01B	A	Water	5	1000	1	0.001	1	03-26-14	
HS14030923-02B	A	Water	5	1000	1	0.001	1	03-26-14	
HS14030923-03B	A	Water	5	1000	1	0.001	1	03-26-14	
HS14030923-04B	A	Water	5	1000	1	0.001	1	03-26-14	
HS14030923-05B	A	Water	5	1000	1	0.001	1	03-26-14	
HS14030923-06B	A	Water	5	1000	1	0.001	1	03-26-14	
SBLKW2-140325	A		5	1000	1	0.001	1		
SLCSDW2-140325	A		5	1000	1	0.001	1		
SLCSW2-140325	A		5	1000	1	0.001	1		

Texas Commission on Environmental Quality

NELAP-Recognized Laboratory Accreditation is hereby awarded to

ALS Laboratory Group, Environmental Services Division (Houston, Texas)

10450 Stancliff Road, Suite 210
Houston, TX 77099-4341

in accordance with Texas Water Code Chapter 5, Subchapter R, Title 30 Texas Administrative Code Chapter 25, and the National Environmental Laboratory Accreditation Program.

The laboratory's scope of accreditation includes the fields of accreditation that accompany this certificate. Continued accreditation depends upon successful ongoing participation in the program. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current location(s) and accreditation status for particular methods and analyses (www.tceq.texas.gov/goto/lab). Accreditation does not imply that a product, process, system or person is approved by the Texas Commission on Environmental Quality.

Certificate Number: T104704231-13-11
Effective Date: 5/1/2013
Expiration Date: 4/30/2014

Executive Director Texas Commission on Environmental Quality

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704231-13-11

ALS Laboratory Group, Environmental Services Division (Houston, Texas)

Expiration Date: 4/30/2014

10450 Stancliff Road, Suite 210
Houston, TX 77099-4341

Issue Date: 5/1/2013

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Non-Potable Water***

Method EPA 1010

Analyte	AB	Analyte ID	Method ID
Ignitability	TX	1780	10116606

Method EPA 110.1

Analyte	AB	Analyte ID	Method ID
Color	TX	1605	10005206

Method EPA 120.1

Analyte	AB	Analyte ID	Method ID
Conductivity	TX	1610	10006403

Method EPA 1311

Analyte	AB	Analyte ID	Method ID
TCLP	TX	849	10118806

Method EPA 1312

Analyte	AB	Analyte ID	Method ID
SPLP	TX	850	10119003

Method EPA 150.1

Analyte	AB	Analyte ID	Method ID
pH	TX	1900	10008409

Method EPA 160.1

Analyte	AB	Analyte ID	Method ID
Residue-filterable (TDS)	TX	1955	10009208

Method EPA 160.2

Analyte	AB	Analyte ID	Method ID
Residue-nonfilterable (TSS)	TX	1960	10009606

Method EPA 160.3

Analyte	AB	Analyte ID	Method ID
Residue-total (total solids)	TX	1950	10010001

Method EPA 160.4

Analyte	AB	Analyte ID	Method ID
Residue-volatile	TX	1970	10010409

Method EPA 1664

Analyte	AB	Analyte ID	Method ID

Texas Commission on Environmental Quality

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Houston, TX 77099-4341

Issue Date: 5/1/2013

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Matrix: ***Non-Potable Water***

n-Hexane Extractable Material (HEM) (O&G)	TX	1803	10127409

Method EPA 180.1

Analyte	**AB**	**Analyte ID**	**Method ID**
Turbidity	TX	2055	10011606

Method EPA 200.8

Analyte	**AB**	**Analyte ID**	**Method ID**
Aluminum	TX	1000	10014605
Antimony	TX	1005	10014605
Arsenic	TX	1010	10014605
Barium	TX	1015	10014605
Beryllium	TX	1020	10014605
Boron	TX	1025	10014605
Cadmium	TX	1030	10014605
Calcium	TX	1035	10014605
Chromium	TX	1040	10014605
Cobalt	TX	1050	10014605
Copper	TX	1055	10014605
Iron	TX	1070	10014605
Lead	TX	1075	10014605
Magnesium	TX	1085	10014605
Manganese	TX	1090	10014605
Molybdenum	TX	1100	10014605
Nickel	TX	1105	10014605
Potassium	TX	1125	10014605
Selenium	TX	1140	10014605
Silver	TX	1150	10014605
Sodium	TX	1155	10014605
Strontium	TX	1160	10014605
Thallium	TX	1165	10014605
Tin	TX	1175	10014605
Titanium	TX	1180	10014605

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704231-13-11

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Expiration Date: 4/30/2014

10450 Stancliff Road, Suite 210
Houston, TX 77099-4341

Issue Date: 5/1/2013

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Non-Potable Water***

Uranium	TX	3035	10014605
Vanadium	TX	1185	10014605
Zinc	TX	1190	10014605

Method EPA 245.1

Analyte	AB	Analyte ID	Method ID
Mercury	TX	1095	10036609

Method EPA 300.0

Analyte	AB	Analyte ID	Method ID
Bromide	TX	1540	10053006
Chloride	TX	1575	10053006
Fluoride	TX	1730	10053006
Nitrate as N	TX	1810	10053006
Nitrate-nitrite	TX	1820	10053006
Nitrite as N	TX	1840	10053006
Orthophosphate as P	TX	1870	10053006
Sulfate	TX	2000	10053006

Method EPA 305.1

Analyte	AB	Analyte ID	Method ID
Acidity, as CaCO3	TX	1500	10054203

Method EPA 310.1

Analyte	AB	Analyte ID	Method ID
Alkalinity as CaCO3	TX	1505	10054805

Method EPA 335.1

Analyte	AB	Analyte ID	Method ID
Amenable cyanide	TX	1510	10060001

Method EPA 335.2

Analyte	AB	Analyte ID	Method ID
Total cyanide	TX	1645	10060205

Method EPA 335.3

Analyte	AB	Analyte ID	Method ID
Total cyanide	TX	1645	10061004

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704231-13-11

ALS Laboratory Group, Environmental Services Division (Houston, Texas)

Expiration Date: 4/30/2014

10450 Stancliff Road, Suite 210
Houston, TX 77099-4341

Issue Date: 5/1/2013

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Non-Potable Water***

Method EPA 340.2

Analyte	AB	Analyte ID	Method ID
Fluoride	TX	1730	10062201

Method EPA 350.3

Analyte	AB	Analyte ID	Method ID
Ammonia as N	TX	1515	10064401

Method EPA 351.3

Analyte	AB	Analyte ID	Method ID
Kjeldahl nitrogen - total (TKN)	TX	1795	10065802

Method EPA 360.1

Analyte	AB	Analyte ID	Method ID
Oxygen, dissolved	TX	1880	10069008

Method EPA 365.3

Analyte	AB	Analyte ID	Method ID
Orthophosphate as P	TX	1870	10070801
Phosphorus	TX	1910	10070801

Method EPA 376.1

Analyte	AB	Analyte ID	Method ID
Sulfide	TX	2005	10074201

Method EPA 405.1

Analyte	AB	Analyte ID	Method ID
Biochemical oxygen demand (BOD)	TX	1530	10075602
Carbonaceous BOD, CBOD	TX	1555	10075602

Method EPA 410.4

Analyte	AB	Analyte ID	Method ID
Chemical oxygen demand (COD)	TX	1565	10077200

Method EPA 415.1

Analyte	AB	Analyte ID	Method ID
Total Organic Carbon (TOC)	TX	2040	10078407

Method EPA 420.1

Analyte	AB	Analyte ID	Method ID
Total phenolics	TX	1905	10079400

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704231-13-11

ALS Laboratory Group, Environmental Services Division (Houston, Texas)

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10450 Stancliff Road, Suite 210
Houston, TX 77099-4341

Issue Date: 5/1/2013

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Matrix: ***Non-Potable Water***

Method EPA 425.1

Analyte	AB	Analyte ID	Method ID
Surfactants - MBAS	TX	2025	10080601

Method EPA 602

Analyte	AB	Analyte ID	Method ID
Benzene	TX	4375	10102202
Ethylbenzene	TX	4765	10102202
m+p-xylene	TX	5240	10102202
Methyl tert-butyl ether (MTBE)	TX	5000	10102202
o-Xylene	TX	5250	10102202
Toluene	TX	5140	10102202
Xylene (total)	TX	5260	10102202

Method EPA 6020

Analyte	AB	Analyte ID	Method ID
Aluminum	TX	1000	10156408
Antimony	TX	1005	10156408
Arsenic	TX	1010	10156408
Barium	TX	1015	10156408
Beryllium	TX	1020	10156408
Boron	TX	1025	10156408
Cadmium	TX	1030	10156408
Calcium	TX	1035	10156408
Chromium	TX	1040	10156408
Cobalt	TX	1050	10156408
Copper	TX	1055	10156408
Iron	TX	1070	10156408
Lead	TX	1075	10156408
Lithium	TX	1080	10156408
Magnesium	TX	1085	10156408
Manganese	TX	1090	10156408
Molybdenum	TX	1100	10156408

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Matrix: ***Non-Potable Water***

Nickel	TX	1105	10156408
Potassium	TX	1125	10156408
Selenium	TX	1140	10156408
Silver	TX	1150	10156408
Sodium	TX	1155	10156408
Strontium	TX	1160	10156408
Thallium	TX	1165	10156408
Tin	TX	1175	10156408
Titanium	TX	1180	10156408
Vanadium	TX	1185	10156408
Zinc	TX	1190	10156408

Method EPA 608

Analyte	AB	Analyte ID	Method ID
4,4'-DDD	TX	7355	10103603
4,4'-DDE	TX	7360	10103603
4,4'-DDT	TX	7365	10103603
Aldrin	TX	7025	10103603
alpha-BHC (alpha-Hexachlorocyclohexane)	TX	7110	10103603
alpha-Chlordane	TX	7240	10103603
Aroclor-1016 (PCB-1016)	TX	8880	10103603
Aroclor-1221 (PCB-1221)	TX	8885	10103603
Aroclor-1232 (PCB-1232)	TX	8890	10103603
Aroclor-1242 (PCB-1242)	TX	8895	10103603
Aroclor-1248 (PCB-1248)	TX	8900	10103603
Aroclor-1254 (PCB-1254)	TX	8905	10103603
Aroclor-1260 (PCB-1260)	TX	8910	10103603
beta-BHC (beta-Hexachlorocyclohexane)	TX	7115	10103603
Chlordane (tech.)	TX	7250	10103603
delta-BHC (delta-Hexachlorocyclohexane)	TX	7105	10103603
Dieldrin	TX	7470	10103603

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Matrix: ***Non-Potable Water***

Endosulfan I	TX	7510	10103603
Endosulfan II	TX	7515	10103603
Endosulfan sulfate	TX	7520	10103603
Endrin	TX	7540	10103603
Endrin aldehyde	TX	7530	10103603
Endrin ketone	TX	7535	10103603
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	TX	7120	10103603
gamma-Chlordane	TX	7245	10103603
Heptachlor	TX	7685	10103603
Heptachlor epoxide	TX	7690	10103603
Methoxychlor	TX	7810	10103603
Toxaphene (Chlorinated camphene)	TX	8250	10103603

Method EPA 624

Analyte	**AB**	**Analyte ID**	**Method ID**
1,1,1-Trichloroethane	TX	5160	10107207
1,1,2,2-Tetrachloroethane	TX	5110	10107207
1,1,2-Trichloroethane	TX	5165	10107207
1,1-Dichloroethane	TX	4630	10107207
1,1-Dichloroethylene	TX	4640	10107207
1,2-Dibromoethane (EDB, Ethylene dibromide)	TX	4585	10107207
1,2-Dichlorobenzene	TX	4610	10107207
1,2-Dichloroethane (Ethylene dichloride)	TX	4635	10107207
1,2-Dichloropropane	TX	4655	10107207
1,3-Dichlorobenzene	TX	4615	10107207
1,4-Dichlorobenzene	TX	4620	10107207
2-Butanone (Methyl ethyl ketone, MEK)	TX	4410	10107207
2-Chloroethyl vinyl ether	TX	4500	10107207
Acetone (2-Propanone)	TX	4315	10107207
Acrolein (Propenal)	TX	4325	10107207
Acrylonitrile	TX	4340	10107207

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Matrix: ***Non-Potable Water***

Benzene	TX	4375	10107207
Bromodichloromethane	TX	4395	10107207
Bromoform	TX	4400	10107207
Carbon tetrachloride	TX	4455	10107207
Chlorobenzene	TX	4475	10107207
Chlorodibromomethane	TX	4575	10107207
Chloroethane (Ethyl chloride)	TX	4485	10107207
Chloroform	TX	4505	10107207
cis-1,2-Dichloroethylene	TX	4645	10107207
cis-1,3-Dichloropropene	TX	4680	10107207
Ethylbenzene	TX	4765	10107207
m+p-xylene	TX	5240	10107207
Methyl bromide (Bromomethane)	TX	4950	10107207
Methyl chloride (Chloromethane)	TX	4960	10107207
Methyl tert-butyl ether (MTBE)	TX	5000	10107207
Methylene chloride (Dichloromethane)	TX	4975	10107207
Naphthalene	TX	5005	10107207
o-Xylene	TX	5250	10107207
Tetrachloroethylene (Perchloroethylene)	TX	5115	10107207
Toluene	TX	5140	10107207
trans-1,2-Dichloroethylene	TX	4700	10107207
trans-1,3-Dichloropropylene	TX	4685	10107207
Trichloroethene (Trichloroethylene)	TX	5170	10107207
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	TX	5175	10107207
Vinyl chloride	TX	5235	10107207
Xylene (total)	TX	5260	10107207

Method EPA 625

Analyte	**AB**	**Analyte ID**	**Method ID**
1,2,4,5-Tetrachlorobenzene	TX	6715	10107401
1,2,4-Trichlorobenzene	TX	5155	10107401

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Matrix: ***Non-Potable Water***

1,2-Dichlorobenzene	TX	4610	10107401
1,2-Diphenylhydrazine	TX	6220	10107401
1,3-Dichlorobenzene	TX	4615	10107401
1,4-Dichlorobenzene	TX	4620	10107401
2,4,5-Trichlorophenol	TX	6835	10107401
2,4,6-Trichlorophenol	TX	6840	10107401
2,4-Dichlorophenol	TX	6000	10107401
2,4-Dimethylphenol	TX	6130	10107401
2,4-Dinitrophenol	TX	6175	10107401
2,4-Dinitrotoluene (2,4-DNT)	TX	6185	10107401
2,6-Dinitrotoluene (2,6-DNT)	TX	6190	10107401
2-Chloronaphthalene	TX	5795	10107401
2-Chlorophenol	TX	5800	10107401
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	TX	6360	10107401
2-Methylphenol (o-Cresol)	TX	6400	10107401
2-Nitrophenol	TX	6490	10107401
3,3'-Dichlorobenzidine	TX	5945	10107401
4-Bromophenyl phenyl ether (BDE-3)	TX	5660	10107401
4-Chloro-3-methylphenol	TX	5700	10107401
4-Chlorophenyl phenylether	TX	5825	10107401
4-Methylphenol (p-Cresol)	TX	6410	10107401
4-Nitrophenol	TX	6500	10107401
Acenaphthene	TX	5500	10107401
Acenaphthylene	TX	5505	10107401
Anthracene	TX	5555	10107401
Benzidine	TX	5595	10107401
Benzo(a)anthracene	TX	5575	10107401
Benzo(a)pyrene	TX	5580	10107401
Benzo(b)fluoranthene	TX	5585	10107401
Benzo(g,h,i)perylene	TX	5590	10107401

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Matrix: ***Non-Potable Water***

Benzo(k)fluoranthene	TX	5600	10107401
bis(2-Chloroethoxy)methane	TX	5760	10107401
bis(2-Chloroethyl) ether	TX	5765	10107401
bis(2-Chloroisopropyl) ether	TX	5780	10107401
bis(2-Ethylhexyl) phthalate (DEHP)	TX	6255	10107401
Butyl benzyl phthalate	TX	5670	10107401
Chrysene	TX	5855	10107401
Dibenz(a,h) anthracene	TX	5895	10107401
Diethyl phthalate	TX	6070	10107401
Dimethyl phthalate	TX	6135	10107401
Di-n-butyl phthalate	TX	5925	10107401
Di-n-octyl phthalate	TX	6200	10107401
Fluoranthene	TX	6265	10107401
Fluorene	TX	6270	10107401
Hexachlorobenzene	TX	6275	10107401
Hexachlorobutadiene	TX	4835	10107401
Hexachlorocyclopentadiene	TX	6285	10107401
Hexachloroethane	TX	4840	10107401
Indeno(1,2,3-cd) pyrene	TX	6315	10107401
Isophorone	TX	6320	10107401
Naphthalene	TX	5005	10107401
Nitrobenzene	TX	5015	10107401
n-Nitrosodiethylamine	TX	6525	10107401
n-Nitrosodimethylamine	TX	6530	10107401
n-Nitrosodi-n-butylamine	TX	5025	10107401
n-Nitrosodi-n-propylamine	TX	6545	10107401
n-Nitrosodiphenylamine	TX	6535	10107401
Pentachlorobenzene	TX	6590	10107401
Pentachlorophenol	TX	6605	10107401
Phenanthrene	TX	6615	10107401

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Matrix: ***Non-Potable Water***

Phenol	TX	6625	10107401
Pyrene	TX	6665	10107401
Pyridine	TX	5095	10107401

Method EPA 7196

Analyte	AB	Analyte ID	Method ID
Chromium (VI)	TX	1045	10162206

Method EPA 7470

Analyte	AB	Analyte ID	Method ID
Mercury	TX	1095	10165603

Method EPA 8011

Analyte	AB	Analyte ID	Method ID
1,2,3-Trichloropropane	TX	5180	10173009
1,2-Dibromo-3-chloropropane (DBCP)	TX	4570	10173009
1,2-Dibromoethane (EDB, Ethylene dibromide)	TX	4585	10173009

Method EPA 8015

Analyte	AB	Analyte ID	Method ID
Diesel range organics (DRO)	TX	9369	10173203
Ethanol	TX	4750	10173203
Ethylene glycol	TX	4785	10173203
Gasoline range organics (GRO)	TX	9408	10173203
Isobutyl alcohol (2-Methyl-1-propanol)	TX	4875	10173203
Isopropyl alcohol (2-Propanol, Isopropanol)	TX	4895	10173203
Methanol	TX	4930	10173203
n-Butyl alcohol (1-Butanol, n-Butanol)	TX	4425	10173203
n-Propanol (1-Propanol)	TX	5055	10173203
Propylene Glycol	TX	6657	10173203
tert-Butyl alcohol	TX	4420	10173203

Method EPA 8021

Analyte	AB	Analyte ID	Method ID
Benzene	TX	4375	10174400
Ethylbenzene	TX	4765	10174400

Matrix: ***Non-Potable Water***

m+p-xylene	TX	5240	10174400
Methyl tert-butyl ether (MTBE)	TX	5000	10174400
o-Xylene	TX	5250	10174400
Toluene	TX	5140	10174400
Xylene (total)	TX	5260	10174400

Method EPA 8081

Analyte	AB	Analyte ID	Method ID
4,4'-DDD	TX	7355	10178402
4,4'-DDE	TX	7360	10178402
4,4'-DDT	TX	7365	10178402
Aldrin	TX	7025	10178402
alpha-BHC (alpha-Hexachlorocyclohexane)	TX	7110	10178402
alpha-Chlordane	TX	7240	10178402
beta-BHC (beta-Hexachlorocyclohexane)	TX	7115	10178402
Chlordane (tech.)	TX	7250	10178402
delta-BHC (delta-Hexachlorocyclohexane)	TX	7105	10178402
Dieldrin	TX	7470	10178402
Endosulfan I	TX	7510	10178402
Endosulfan II	TX	7515	10178402
Endosulfan sulfate	TX	7520	10178402
Endrin	TX	7540	10178402
Endrin aldehyde	TX	7530	10178402
Endrin ketone	TX	7535	10178402
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	TX	7120	10178402
gamma-Chlordane	TX	7245	10178402
Heptachlor	TX	7685	10178402
Heptachlor epoxide	TX	7690	10178402
Hexachlorobenzene	TX	6275	10178402
Methoxychlor	TX	7810	10178402
Mirex	TX	7870	10178402

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Matrix: ***Non-Potable Water***

Toxaphene (Chlorinated camphene)	TX	8250	10178402

Method EPA 8082

Analyte	AB	Analyte ID	Method ID
Aroclor-1016 (PCB-1016)	TX	8880	10179007
Aroclor-1221 (PCB-1221)	TX	8885	10179007
Aroclor-1232 (PCB-1232)	TX	8890	10179007
Aroclor-1242 (PCB-1242)	TX	8895	10179007
Aroclor-1248 (PCB-1248)	TX	8900	10179007
Aroclor-1254 (PCB-1254)	TX	8905	10179007
Aroclor-1260 (PCB-1260)	TX	8910	10179007

Method EPA 8151

Analyte	AB	Analyte ID	Method ID
2,4,5-T	TX	8655	10183003
2,4-D	TX	8545	10183003
2,4-DB	TX	8560	10183003
Dalapon	TX	8555	10183003
Dicamba	TX	8595	10183003
Dichloroprop (Dichlorprop, Weedone)	TX	8605	10183003
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	TX	8620	10183003
MCPA	TX	7775	10183003
MCPP	TX	7780	10183003
Silvex (2,4,5-TP)	TX	8650	10183003

Method EPA 8260

Analyte	AB	Analyte ID	Method ID
1,1,1,2-Tetrachloroethane	TX	5105	10184404
1,1,1-Trichloroethane	TX	5160	10184404
1,1,2,2-Tetrachloroethane	TX	5110	10184404
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	TX	5195	10184404
1,1,2-Trichloroethane	TX	5165	10184404
1,1-Dichloroethane	TX	4630	10184404
1,1-Dichloroethylene	TX	4640	10184404

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Matrix: ***Non-Potable Water***

1,1-Dichloropropene	TX	4670	10184404
1,2,3-Trichlorobenzene	TX	5150	10184404
1,2,3-Trichloropropane	TX	5180	10184404
1,2,4-Trichlorobenzene	TX	5155	10184404
1,2,4-Trimethylbenzene	TX	5210	10184404
1,2-Dibromo-3-chloropropane (DBCP)	TX	4570	10184404
1,2-Dibromoethane (EDB, Ethylene dibromide)	TX	4585	10184404
1,2-Dichlorobenzene	TX	4610	10184404
1,2-Dichloroethane (Ethylene dichloride)	TX	4635	10184404
1,2-Dichloropropane	TX	4655	10184404
1,3,5-Trimethylbenzene	TX	5215	10184404
1,3-Dichlorobenzene	TX	4615	10184404
1,3-Dichloropropane	TX	4660	10184404
1,4-Dichlorobenzene	TX	4620	10184404
1,4-Dioxane (1,4-Diethyleneoxide)	TX	4735	10184404
1-Chlorohexane	TX	4510	10184404
1-Propanol	TX	5060	10184404
2,2-Dichloropropane	TX	4665	10184404
2-Butanone (Methyl ethyl ketone, MEK)	TX	4410	10184404
2-Chloroethyl vinyl ether	TX	4500	10184404
2-Chlorotoluene	TX	4535	10184404
2-Hexanone (MBK)	TX	4860	10184404
2-Pentanone	TX	5045	10184404
2-Propanol	TX	5065	10184404
4-Chlorotoluene	TX	4540	10184404
4-Isopropyltoluene (p-Cymene)	TX	4915	10184404
4-Methyl-2-pentanone (MIBK)	TX	4995	10184404
Acetone (2-Propanone)	TX	4315	10184404
Acetonitrile	TX	4320	10184404
Acrolein (Propenal)	TX	4325	10184404

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Matrix: ***Non-Potable Water***

Acrylonitrile	TX	4340	10184404
Allyl alcohol	TX	4350	10184404
Allyl chloride (3-Chloropropene)	TX	4355	10184404
Benzene	TX	4375	10184404
Benzyl chloride	TX	5635	10184404
Bromobenzene	TX	4385	10184404
Bromochloromethane	TX	4390	10184404
Bromodichloromethane	TX	4395	10184404
Bromoform	TX	4400	10184404
Carbon disulfide	TX	4450	10184404
Carbon tetrachloride	TX	4455	10184404
Chlorobenzene	TX	4475	10184404
Chlorodibromomethane	TX	4575	10184404
Chloroethane (Ethyl chloride)	TX	4485	10184404
Chloroform	TX	4505	10184404
Chloroprene (2-Chloro-1,3-butadiene)	TX	4525	10184404
cis-1,2-Dichloroethylene	TX	4645	10184404
cis-1,3-Dichloropropene	TX	4680	10184404
Dibromofluoromethane	TX	4590	10184404
Dibromomethane (Methylene bromide)	TX	4595	10184404
Dichlorodifluoromethane (Freon-12)	TX	4625	10184404
Diethyl ether	TX	4725	10184404
Epichlorohydrin (1-Chloro-2,3-epoxypropane)	TX	4745	10184404
Ethanol	TX	4750	10184404
Ethyl acetate	TX	4755	10184404
Ethyl methacrylate	TX	4810	10184404
Ethylbenzene	TX	4765	10184404
Ethylene oxide	TX	4795	10184404
Ethyl-t-butylether (ETBE) (2-Ethoxy-2-methylpropane)	TX	4770	10184404
Hexachlorobutadiene	TX	4835	10184404

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Matrix: ***Non-Potable Water***

Iodomethane (Methyl iodide)	TX	4870	10184404
Isobutyl alcohol (2-Methyl-1-propanol)	TX	4875	10184404
Isopropyl ether	TX	4905	10184404
Isopropylbenzene (Cumene)	TX	4900	10184404
m+p-xylene	TX	5240	10184404
Methacrylonitrile	TX	4925	10184404
Methyl acetate	TX	4940	10184404
Methyl acrylate	TX	4945	10184404
Methyl bromide (Bromomethane)	TX	4950	10184404
Methyl chloride (Chloromethane)	TX	4960	10184404
Methyl methacrylate	TX	4990	10184404
Methyl tert-butyl ether (MTBE)	TX	5000	10184404
Methylcyclohexane	TX	4965	10184404
Methylene chloride (Dichloromethane)	TX	4975	10184404
Naphthalene	TX	5005	10184404
n-Butyl alcohol (1-Butanol, n-Butanol)	TX	4425	10184404
n-Butylbenzene	TX	4435	10184404
n-Propylbenzene	TX	5090	10184404
o-Xylene	TX	5250	10184404
Pentachloroethane	TX	5035	10184404
Propionitrile (Ethyl cyanide)	TX	5080	10184404
Pyridine	TX	5095	10184404
sec-Butylbenzene	TX	4440	10184404
Styrene	TX	5100	10184404
T-amylmethylether (TAME)	TX	4370	10184404
tert-Butyl alcohol	TX	4420	10184404
tert-Butylbenzene	TX	4445	10184404
Tetrachloroethylene (Perchloroethylene)	TX	5115	10184404
Toluene	TX	5140	10184404
trans-1,2-Dichloroethylene	TX	4700	10184404

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704231-13-11

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Matrix: ***Non-Potable Water***

trans-1,3-Dichloropropylene	TX	4685	10184404
trans-1,4-Dichloro-2-butene	TX	4605	10184404
Trichloroethene (Trichloroethylene)	TX	5170	10184404
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	TX	5175	10184404
Vinyl acetate	TX	5225	10184404
Vinyl chloride	TX	5235	10184404
Xylene (total)	TX	5260	10184404

Method EPA 8270

Analyte	AB	Analyte ID	Method ID
1,2,4,5-Tetrachlorobenzene	TX	6715	10185203
1,2,4-Trichlorobenzene	TX	5155	10185203
1,2-Dibromo-3-chloropropane (DBCP)	TX	4570	10185203
1,2-Dichlorobenzene	TX	4610	10185203
1,2-Dinitrobenzene	TX	6155	10185203
1,2-Diphenylhydrazine	TX	6220	10185203
1,3,5-Trinitrobenzene (1,3,5-TNB)	TX	6885	10185203
1,3-Dichlorobenzene	TX	4615	10185203
1,3-Dinitrobenzene (1,3-DNB)	TX	6160	10185203
1,4-Dichlorobenzene	TX	4620	10185203
1,4-Dinitrobenzene	TX	6165	10185203
1,4-Naphthoquinone	TX	6420	10185203
1,4-Phenylenediamine	TX	6630	10185203
1-Chloronaphthalene	TX	5790	10185203
1-Naphthylamine	TX	6425	10185203
2,3,4,6-Tetrachlorophenol	TX	6735	10185203
2,4,5-Trichlorophenol	TX	6835	10185203
2,4,5-Trimethylaniline	TX	6880	10185203
2,4,6-Trichlorophenol	TX	6840	10185203
2,4-Diaminotoluene	TX	5880	10185203
2,4-Dichlorophenol	TX	6000	10185203

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Matrix: ***Non-Potable Water***

2,4-Dimethylphenol	TX	6130	10185203
2,4-Dinitrophenol	TX	6175	10185203
2,4-Dinitrotoluene (2,4-DNT)	TX	6185	10185203
2,6-Dichlorophenol	TX	6005	10185203
2,6-Dinitrotoluene (2,6-DNT)	TX	6190	10185203
2-Acetylaminofluorene	TX	5515	10185203
2-Chloronaphthalene	TX	5795	10185203
2-Chlorophenol	TX	5800	10185203
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	TX	6360	10185203
2-Methylaniline (o-Toluidine)	TX	5145	10185203
2-Methylnaphthalene	TX	6385	10185203
2-Methylphenol (o-Cresol)	TX	6400	10185203
2-Naphthylamine	TX	6430	10185203
2-Nitroaniline	TX	6460	10185203
2-Nitrophenol	TX	6490	10185203
2-Picoline (2-Methylpyridine)	TX	5050	10185203
3,3'-Dichlorobenzidine	TX	5945	10185203
3,3'-Dimethylbenzidine	TX	6120	10185203
3-Methylcholanthrene	TX	6355	10185203
3-Methylphenol (m-Cresol)	TX	6405	10185203
3-Nitroaniline	TX	6465	10185203
4-Aminobiphenyl	TX	5540	10185203
4-Bromophenyl phenyl ether (BDE-3)	TX	5660	10185203
4-Chloro-3-methylphenol	TX	5700	10185203
4-Chloroaniline	TX	5745	10185203
4-Chlorophenyl phenylether	TX	5825	10185203
4-Dimethyl aminoazobenzene	TX	6105	10185203
4-Methylphenol (p-Cresol)	TX	6410	10185203
4-Nitroaniline	TX	6470	10185203
4-Nitrobiphenyl	TX	6480	10185203

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Matrix: ***Non-Potable Water***

4-Nitrophenol	TX	6500	10185203
5-Chloro-2-methylaniline	TX	5695	10185203
5-Nitro-o-toluidine	TX	6570	10185203
7,12-Dimethylbenz(a) anthracene	TX	6115	10185203
a-a-Dimethylphenethylamine	TX	6125	10185203
Acenaphthene	TX	5500	10185203
Acenaphthylene	TX	5505	10185203
Acetophenone	TX	5510	10185203
Aniline	TX	5545	10185203
Anthracene	TX	5555	10185203
Aramite	TX	5560	10185203
Atrazine	TX	7065	10185203
Azinphos-methyl (Guthion)	TX	7075	10185203
Azobenzene	TX	5562	10185203
Benzenethiol (Thiophenol)	TX	6750	10185203
Benzidine	TX	5595	10185203
Benzo(a)anthracene	TX	5575	10185203
Benzo(a)pyrene	TX	5580	10185203
Benzo(b)fluoranthene	TX	5585	10185203
Benzo(e)pyrene	TX	5605	10185203
Benzo(g,h,i)perylene	TX	5590	10185203
Benzo(k)fluoranthene	TX	5600	10185203
Benzoic acid	TX	5610	10185203
Benzyl alcohol	TX	5630	10185203
Biphenyl	TX	5640	10185203
bis(2-Chloroethoxy)methane	TX	5760	10185203
bis(2-Chloroethyl) ether	TX	5765	10185203
bis(2-Chloroisopropyl) ether	TX	5780	10185203
bis(2-Ethylhexyl) phthalate (DEHP)	TX	6255	10185203
Butyl benzyl phthalate	TX	5670	10185203

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Matrix: ***Non-Potable Water***

Caprolactam	TX	7180	10185203
Captan	TX	7190	10185203
Carbaryl (Sevin)	TX	7195	10185203
Carbazole	TX	5680	10185203
Carbophenothion	TX	7220	10185203
Chlorobenzilate	TX	7260	10185203
Chrysene	TX	5855	10185203
Coumaphos	TX	7315	10185203
Demeton	TX	7390	10185203
Demeton	TX	7390	10185203
Demeton-o	TX	7395	10185203
Demeton-s	TX	7385	10185203
Diallate	TX	7405	10185203
Dibenz(a,h) anthracene	TX	5895	10185203
Dibenz(a,j) acridine	TX	5900	10185203
Dibenzofuran	TX	5905	10185203
Dichlorovos (DDVP, Dichlorvos)	TX	8610	10185203
Diethyl phthalate	TX	6070	10185203
Dimethoate	TX	7475	10185203
Dimethoate	TX	7475	10185203
Dimethyl phthalate	TX	6135	10185203
Di-n-butyl phthalate	TX	5925	10185203
Di-n-octyl phthalate	TX	6200	10185203
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	TX	8620	10185203
Dioxathion	TX	7495	10185203
Diphenylamine	TX	6205	10185203
Disulfoton	TX	8625	10185203
Ethion	TX	7565	10185203
Ethyl methanesulfonate	TX	6260	10185203
Famphur	TX	7580	10185203

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Matrix: ***Non-Potable Water***

Fluoranthene	TX	6265	10185203
Fluorene	TX	6270	10185203
Hexachlorobenzene	TX	6275	10185203
Hexachlorobutadiene	TX	4835	10185203
Hexachlorocyclopentadiene	TX	6285	10185203
Hexachloroethane	TX	4840	10185203
Hexachlorophene	TX	6290	10185203
Hexachloropropene	TX	6295	10185203
Indeno(1,2,3-cd) pyrene	TX	6315	10185203
Isodrin	TX	7725	10185203
Isophorone	TX	6320	10185203
Isosafrole	TX	6325	10185203
Kepone	TX	7740	10185203
Maleic anhydride	TX	6335	10185203
Methapyrilene	TX	6345	10185203
Methyl methanesulfonate	TX	6375	10185203
Methyl parathion (Parathion, methyl)	TX	7825	10185203
Mevinphos	TX	7850	10185203
Naled	TX	7905	10185203
Naphthalene	TX	5005	10185203
Nitrobenzene	TX	5015	10185203
Nitroquinoline-1-oxide	TX	6515	10185203
n-Nitrosodiethylamine	TX	6525	10185203
n-Nitrosodimethylamine	TX	6530	10185203
n-Nitrosodi-n-butylamine	TX	5025	10185203
n-Nitrosodi-n-propylamine	TX	6545	10185203
n-Nitrosodiphenylamine	TX	6535	10185203
n-Nitrosomethylethylamine	TX	6550	10185203
n-Nitrosomorpholine	TX	6555	10185203
n-Nitrosopiperidine	TX	6560	10185203

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Matrix: ***Non-Potable Water***

n-Nitrosopyrrolidine	TX	6565	10185203
o,o,o-Triethyl phosphorothioate	TX	8290	10185203
o-Anisidine	TX	5550	10185203
Parathion, ethyl	TX	7955	10185203
p-Cresidine	TX	5860	10185203
Pentachlorobenzene	TX	6590	10185203
Pentachloronitrobenzene (PCNB)	TX	6600	10185203
Pentachlorophenol	TX	6605	10185203
Phenacetin	TX	6610	10185203
Phenanthrene	TX	6615	10185203
Phenol	TX	6625	10185203
Phorate	TX	7985	10185203
Phosmet (Imidan)	TX	8000	10185203
Phthalic anhydride	TX	6640	10185203
Pronamide (Kerb)	TX	6650	10185203
Pyrene	TX	6665	10185203
Pyridine	TX	5095	10185203
Quinoline	TX	6670	10185203
Resorcinol	TX	6680	10185203
Safrole	TX	6685	10185203
Sulfotepp	TX	8155	10185203
Terbufos	TX	8185	10185203
Tetrachlorvinphos (Stirophos, Gardona)	TX	8197	10185203
Thionazin (Zinophos)	TX	8235	10185203
Toluene diisocyanate	TX	6775	10185203
Trifluralin (Treflan)	TX	8295	10185203

Method EPA 8315

Analyte	**AB**	**Analyte ID**	**Method ID**
Formaldehyde	TX	4815	10187801

Method EPA 8316

Analyte	**AB**	**Analyte ID**	**Method ID**

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Matrix: ***Non-Potable Water***

Acrylamide	TX	4330	10188202

Method EPA 8330

Analyte	AB	Analyte ID	Method ID
1,3,5-Trinitrobenzene (1,3,5-TNB)	TX	6885	10189807
1,3-Dinitrobenzene (1,3-DNB)	TX	6160	10189807
2,4,6-Trinitrotoluene (2,4,6-TNT)	TX	9651	10189807
2,4-Dinitrotoluene (2,4-DNT)	TX	6185	10189807
2,6-Dinitrotoluene (2,6-DNT)	TX	6190	10189807
2-Amino-4,6-dinitrotoluene (2-am-dnt)	TX	9303	10189807
2-Nitrotoluene	TX	9507	10189807
3-Nitrotoluene	TX	9510	10189807
4-Amino-2,6-dinitrotoluene (4-am-dnt)	TX	9306	10189807
4-Nitrotoluene	TX	9513	10189807
Methyl-2,4,6-trinitrophenylnitramine (tetryl)	TX	6415	10189807
Nitrobenzene	TX	5015	10189807
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	TX	9522	10189807
RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)	TX	9432	10189807

Method EPA 9014

Analyte	AB	Analyte ID	Method ID
Amenable cyanide	TX	1510	10193803
Total Cyanide	TX	1635	10193803

Method EPA 9040

Analyte	AB	Analyte ID	Method ID
pH	TX	1900	10196802

Method EPA 9050

Analyte	AB	Analyte ID	Method ID
Conductivity	TX	1610	10198604

Method EPA 9056

Analyte	AB	Analyte ID	Method ID
Bromide	TX	1540	10199209
Chloride	TX	1575	10199209

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Matrix: ***Non-Potable Water***

Fluoride	TX	1730	10199209
Nitrate as N	TX	1810	10199209
Nitrate-nitrite	TX	1820	10199209
Nitrite as N	TX	1840	10199209
Orthophosphate as P	TX	1870	10199209
Sulfate	TX	2000	10199209

Method EPA 9060

Analyte	**AB**	**Analyte ID**	**Method ID**
Total Organic Carbon (TOC)	TX	2040	10200201

Method EPA 9065

Analyte	**AB**	**Analyte ID**	**Method ID**
Total phenolics	TX	1905	10200405

Method EPA 9214

Analyte	**AB**	**Analyte ID**	**Method ID**
Fluoride	TX	1730	10206403

Method EPA RSK 175

Analyte	**AB**	**Analyte ID**	**Method ID**
2-methylpropane (Isobutane)	TX	4942	10212905
Ethane	TX	4747	10212905
Ethene	TX	4752	10212905
Methane	TX	4926	10212905
n-Butane	TX	5007	10212905
n-Propane	TX	5029	10212905

Method HACH 8000

Analyte	**AB**	**Analyte ID**	**Method ID**
Chemical oxygen demand (COD)	TX	1565	60003001

Method SM 2120 B

Analyte	**AB**	**Analyte ID**	**Method ID**
Color	TX	1605	20001803

Method SM 2310 B (4a)

Analyte	**AB**	**Analyte ID**	**Method ID**

Texas Commission on Environmental Quality

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Matrix: ***Non-Potable Water***

Acidity, as CaCO3	TX	1500	20002806
Method SM 2320 B			
Analyte	**AB**	**Analyte ID**	**Method ID**
Alkalinity as CaCO3	TX	1505	20003003
Method SM 2340 B			
Analyte	**AB**	**Analyte ID**	**Method ID**
Total hardness as CaCO3	TX	1755	20003401
Method SM 2510 B			
Analyte	**AB**	**Analyte ID**	**Method ID**
Conductivity	TX	1610	20003809
Method SM 2540 B			
Analyte	**AB**	**Analyte ID**	**Method ID**
Residue-total (total solids)	TX	1950	20004608
Method SM 2540 C			
Analyte	**AB**	**Analyte ID**	**Method ID**
Residue-filterable (TDS)	TX	1955	20004404
Method SM 2540 D			
Analyte	**AB**	**Analyte ID**	**Method ID**
Residue-nonfilterable (TSS)	TX	1960	20004802
Method SM 3500-Cr B			
Analyte	**AB**	**Analyte ID**	**Method ID**
Chromium (VI)	TX	1045	20065809
Method SM 4500-Cl F			
Analyte	**AB**	**Analyte ID**	**Method ID**
Total residual chlorine	TX	1940	20015003
Method SM 4500-CN^- C			
Analyte	**AB**	**Analyte ID**	**Method ID**
Total cyanide	TX	1645	20020808
Method SM 4500-CN^- E			
Analyte	**AB**	**Analyte ID**	**Method ID**
Total Cyanide	TX	1635	20021209

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Matrix: ***Non-Potable Water***

Method SM 4500-CN^- G

Analyte	AB	Analyte ID	Method ID
Amenable cyanide	TX	1510	20021607

Method SM 4500-F^- C

Analyte	AB	Analyte ID	Method ID
Fluoride	TX	1730	20012800

Method SM 4500-H+ B

Analyte	AB	Analyte ID	Method ID
pH	TX	1900	20016404

Method SM 4500-NH3 D

Analyte	AB	Analyte ID	Method ID
Ammonia as N	TX	1515	20016608
Kjeldahl nitrogen - total (TKN)	TX	1795	20016608

Method SM 4500-NH3 F

Analyte	AB	Analyte ID	Method ID
Ammonia as N	TX	1515	20023001

Method SM 4500-O G

Analyte	AB	Analyte ID	Method ID
Oxygen, dissolved	TX	1880	20025405

Method SM 4500-P E

Analyte	AB	Analyte ID	Method ID
Orthophosphate as P	TX	1870	20025803
Phosphorus	TX	1910	20025803

Method SM 4500-$S2^-$ F

Analyte	AB	Analyte ID	Method ID
Sulfide	TX	2005	20126209

Method SM 4500-SiO2 D

Analyte	AB	Analyte ID	Method ID
Silica as SiO2	TX	1990	20018206

Method SM 4500-$SO3^-$ B

Analyte	AB	Analyte ID	Method ID
Sulfite	TX	2015	20026806

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Matrix: ***Non-Potable Water***

Method SM 5210 B

Analyte	AB	Analyte ID	Method ID
Biochemical oxygen demand (BOD)	TX	1530	20027401
Carbonaceous BOD, CBOD	TX	1555	20027401

Method SM 5310 B

Analyte	AB	Analyte ID	Method ID
Total Organic Carbon (TOC)	TX	2040	20028006

Method SM 5310 C

Analyte	AB	Analyte ID	Method ID
Total Organic Carbon (TOC)	TX	2040	20028200

Method SM 5540 C

Analyte	AB	Analyte ID	Method ID
Surfactants - MBAS	TX	2025	20029009

Method TCEQ 1005

Analyte	AB	Analyte ID	Method ID
Total Petroleum Hydrocarbons (TPH)	TX	2050	90019208

Texas Commission on Environmental Quality

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Matrix: ***Solid & Chemical Materials***

Method ASTM D2216

Analyte	AB	Analyte ID	Method ID
Moisture	TX	10337	ASTM D2216-05

Method EPA 1010

Analyte	AB	Analyte ID	Method ID
Ignitability	TX	1780	10116606

Method EPA 1030

Analyte	AB	Analyte ID	Method ID
Ignitability	TX	1780	10117201

Method EPA 1311

Analyte	AB	Analyte ID	Method ID
TCLP	TX	849	10118806

Method EPA 1312

Analyte	AB	Analyte ID	Method ID
SPLP	TX	850	10119003

Method EPA 200.8

Analyte	AB	Analyte ID	Method ID
Uranium	TX	3035	10014605

Method EPA 300.0

Analyte	AB	Analyte ID	Method ID
Bromide	TX	1540	10053006
Chloride	TX	1575	10053006
Fluoride	TX	1730	10053006
Nitrate as N	TX	1810	10053006
Nitrate-nitrite	TX	1820	10053006
Nitrite as N	TX	1840	10053006
Orthophosphate as P	TX	1870	10053006
Sulfate	TX	2000	10053006

Method EPA 310.1

Analyte	AB	Analyte ID	Method ID
Alkalinity as CaCO3	TX	1505	10054805

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Matrix: ***Solid & Chemical Materials***

Method EPA 350.3

Analyte	AB	Analyte ID	Method ID
Ammonia as N	TX	1515	10064401

Method EPA 365.3

Analyte	AB	Analyte ID	Method ID
Orthophosphate as P	TX	1870	10070801
Phosphorus	TX	1910	10070801

Method EPA 6020

Analyte	AB	Analyte ID	Method ID
Aluminum	TX	1000	10156204
Antimony	TX	1005	10156204
Arsenic	TX	1010	10156204
Barium	TX	1015	10156204
Beryllium	TX	1020	10156204
Boron	TX	1025	10156204
Cadmium	TX	1030	10156204
Calcium	TX	1035	10156204
Chromium	TX	1040	10156204
Cobalt	TX	1050	10156204
Copper	TX	1055	10156204
Iron	TX	1070	10156204
Lead	TX	1075	10156204
Lithium	TX	1080	10156204
Magnesium	TX	1085	10156204
Manganese	TX	1090	10156204
Molybdenum	TX	1100	10156204
Nickel	TX	1105	10156204
Potassium	TX	1125	10156204
Selenium	TX	1140	10156204
Silver	TX	1150	10156204
Sodium	TX	1155	10156204

Texas Commission on Environmental Quality

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ALS Laboratory Group, Environmental Services Division (Houston, Texas)

Expiration Date: 4/30/2014

10450 Stancliff Road, Suite 210
Houston, TX 77099-4341

Issue Date: 5/1/2013

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Matrix: ***Solid & Chemical Materials***

Strontium	TX	1160	10156204
Thallium	TX	1165	10156204
Tin	TX	1175	10156204
Titanium	TX	1180	10156204
Vanadium	TX	1185	10156204
Zinc	TX	1190	10156204

Method EPA 7196

Analyte	**AB**	**Analyte ID**	**Method ID**
Chromium (VI)	TX	1045	10162206

Method EPA 7470

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10165603

Method EPA 7471

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10166004

Method EPA 8015

Analyte	**AB**	**Analyte ID**	**Method ID**
Diesel range organics (DRO)	TX	9369	10173203
Ethanol	TX	4750	10173203
Ethylene glycol	TX	4785	10173203
Gasoline range organics (GRO)	TX	9408	10173203
Isobutyl alcohol (2-Methyl-1-propanol)	TX	4875	10173203
Isopropyl alcohol (2-Propanol, Isopropanol)	TX	4895	10173203
Methanol	TX	4930	10173203
n-Butyl alcohol (1-Butanol, n-Butanol)	TX	4425	10173203
n-Propanol (1-Propanol)	TX	5055	10173203
Propylene Glycol	TX	6657	10173203
tert-Butyl alcohol	TX	4420	10173203

Method EPA 8021

Analyte	**AB**	**Analyte ID**	**Method ID**
Benzene	TX	4375	10174400

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Matrix: ***Solid & Chemical Materials***

Ethylbenzene	TX	4765	10174400
m+p-xylene	TX	5240	10174400
Methyl tert-butyl ether (MTBE)	TX	5000	10174400
o-Xylene	TX	5250	10174400
Toluene	TX	5140	10174400
Xylene (total)	TX	5260	10174400

Method EPA 8081

Analyte	AB	Analyte ID	Method ID
4,4'-DDD	TX	7355	10178402
4,4'-DDE	TX	7360	10178402
4,4'-DDT	TX	7365	10178402
Aldrin	TX	7025	10178402
alpha-BHC (alpha-Hexachlorocyclohexane)	TX	7110	10178402
alpha-Chlordane	TX	7240	10178402
beta-BHC (beta-Hexachlorocyclohexane)	TX	7115	10178402
Chlordane (tech.)	TX	7250	10178402
delta-BHC (delta-Hexachlorocyclohexane)	TX	7105	10178402
Dieldrin	TX	7470	10178402
Endosulfan I	TX	7510	10178402
Endosulfan II	TX	7515	10178402
Endosulfan sulfate	TX	7520	10178402
Endrin	TX	7540	10178402
Endrin aldehyde	TX	7530	10178402
Endrin ketone	TX	7535	10178402
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	TX	7120	10178402
gamma-Chlordane	TX	7245	10178402
Heptachlor	TX	7685	10178402
Heptachlor epoxide	TX	7690	10178402
Methoxychlor	TX	7810	10178402
Mirex	TX	7870	10178402

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Matrix: ***Solid & Chemical Materials***

Toxaphene (Chlorinated camphene)	TX	8250	10178402

Method EPA 8082

Analyte	AB	Analyte ID	Method ID
Aroclor-1016 (PCB-1016)	TX	8880	10179007
Aroclor-1221 (PCB-1221)	TX	8885	10179007
Aroclor-1232 (PCB-1232)	TX	8890	10179007
Aroclor-1242 (PCB-1242)	TX	8895	10179007
Aroclor-1248 (PCB-1248)	TX	8900	10179007
Aroclor-1254 (PCB-1254)	TX	8905	10179007
Aroclor-1260 (PCB-1260)	TX	8910	10179007

Method EPA 8151

Analyte	AB	Analyte ID	Method ID
2,4,5-T	TX	8655	10183003
2,4-D	TX	8545	10183003
2,4-DB	TX	8560	10183003
Dalapon	TX	8555	10183003
Dicamba	TX	8595	10183003
Dichloroprop (Dichlorprop, Weedone)	TX	8605	10183003
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	TX	8620	10183003
MCPA	TX	7775	10183003
MCPP	TX	7780	10183003
Silvex (2,4,5-TP)	TX	8650	10183003

Method EPA 8260

Analyte	AB	Analyte ID	Method ID
1,1,1,2-Tetrachloroethane	TX	5105	10184404
1,1,1-Trichloroethane	TX	5160	10184404
1,1,2,2-Tetrachloroethane	TX	5110	10184404
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	TX	5195	10184404
1,1,2-Trichloroethane	TX	5165	10184404
1,1-Dichloroethane	TX	4630	10184404
1,1-Dichloroethylene	TX	4640	10184404

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Matrix: ***Solid & Chemical Materials***

1,1-Dichloropropene	TX	4670	10184404
1,2,3-Trichlorobenzene	TX	5150	10184404
1,2,3-Trichloropropane	TX	5180	10184404
1,2,4-Trichlorobenzene	TX	5155	10184404
1,2,4-Trimethylbenzene	TX	5210	10184404
1,2-Dibromo-3-chloropropane (DBCP)	TX	4570	10184404
1,2-Dibromoethane (EDB, Ethylene dibromide)	TX	4585	10184404
1,2-Dichlorobenzene	TX	4610	10184404
1,2-Dichloroethane (Ethylene dichloride)	TX	4635	10184404
1,2-Dichloropropane	TX	4655	10184404
1,3,5-Trimethylbenzene	TX	5215	10184404
1,3-Dichlorobenzene	TX	4615	10184404
1,3-Dichloropropane	TX	4660	10184404
1,4-Dichlorobenzene	TX	4620	10184404
1,4-Dioxane (1,4-Diethyleneoxide)	TX	4735	10184404
1-Chlorohexane	TX	4510	10184404
1-Propanol	TX	5060	10184404
2,2-Dichloropropane	TX	4665	10184404
2-Butanone (Methyl ethyl ketone, MEK)	TX	4410	10184404
2-Chloroethyl vinyl ether	TX	4500	10184404
2-Chlorotoluene	TX	4535	10184404
2-Hexanone (MBK)	TX	4860	10184404
2-Propanol	TX	5065	10184404
4-Chlorotoluene	TX	4540	10184404
4-Isopropyltoluene (p-Cymene)	TX	4915	10184404
4-Methyl-2-pentanone (MIBK)	TX	4995	10184404
Acetone (2-Propanone)	TX	4315	10184404
Acetonitrile	TX	4320	10184404
Acrolein (Propenal)	TX	4325	10184404
Acrylonitrile	TX	4340	10184404

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Matrix: ***Solid & Chemical Materials***

Allyl chloride (3-Chloropropene)	TX	4355	10184404
Benzene	TX	4375	10184404
Benzyl chloride	TX	5635	10184404
Bromobenzene	TX	4385	10184404
Bromochloromethane	TX	4390	10184404
Bromodichloromethane	TX	4395	10184404
Bromoform	TX	4400	10184404
Carbon disulfide	TX	4450	10184404
Carbon tetrachloride	TX	4455	10184404
Chlorobenzene	TX	4475	10184404
Chlorodibromomethane	TX	4575	10184404
Chloroethane (Ethyl chloride)	TX	4485	10184404
Chloroform	TX	4505	10184404
Chloroprene (2-Chloro-1,3-butadiene)	TX	4525	10184404
cis-1,2-Dichloroethylene	TX	4645	10184404
cis-1,3-Dichloropropene	TX	4680	10184404
Dibromofluoromethane	TX	4590	10184404
Dibromomethane (Methylene bromide)	TX	4595	10184404
Dichlorodifluoromethane (Freon-12)	TX	4625	10184404
Diethyl ether	TX	4725	10184404
Epichlorohydrin (1-Chloro-2,3-epoxypropane)	TX	4745	10184404
Ethanol	TX	4750	10184404
Ethyl acetate	TX	4755	10184404
Ethyl methacrylate	TX	4810	10184404
Ethylbenzene	TX	4765	10184404
Ethylene oxide	TX	4795	10184404
Hexachlorobutadiene	TX	4835	10184404
Iodomethane (Methyl iodide)	TX	4870	10184404
Isobutyl alcohol (2-Methyl-1-propanol)	TX	4875	10184404
Isopropylbenzene (Cumene)	TX	4900	10184404

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Matrix: ***Solid & Chemical Materials***

m+p-xylene	TX	5240	10184404
Methacrylonitrile	TX	4925	10184404
Methyl acetate	TX	4940	10184404
Methyl acrylate	TX	4945	10184404
Methyl bromide (Bromomethane)	TX	4950	10184404
Methyl chloride (Chloromethane)	TX	4960	10184404
Methyl methacrylate	TX	4990	10184404
Methyl tert-butyl ether (MTBE)	TX	5000	10184404
Methylcyclohexane	TX	4965	10184404
Methylene chloride (Dichloromethane)	TX	4975	10184404
Naphthalene	TX	5005	10184404
n-Butyl alcohol (1-Butanol, n-Butanol)	TX	4425	10184404
n-Butylbenzene	TX	4435	10184404
n-Propylbenzene	TX	5090	10184404
o-Xylene	TX	5250	10184404
Pentachloroethane	TX	5035	10184404
Propionitrile (Ethyl cyanide)	TX	5080	10184404
Pyridine	TX	5095	10184404
sec-Butylbenzene	TX	4440	10184404
Styrene	TX	5100	10184404
tert-Butyl alcohol	TX	4420	10184404
tert-Butylbenzene	TX	4445	10184404
Tetrachloroethylene (Perchloroethylene)	TX	5115	10184404
Toluene	TX	5140	10184404
trans-1,2-Dichloroethylene	TX	4700	10184404
trans-1,3-Dichloropropylene	TX	4685	10184404
trans-1,4-Dichloro-2-butene	TX	4605	10184404
Trichloroethene (Trichloroethylene)	TX	5170	10184404
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	TX	5175	10184404
Vinyl acetate	TX	5225	10184404

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Matrix: ***Solid & Chemical Materials***

Vinyl chloride	TX	5235	10184404
Xylene (total)	TX	5260	10184404

Method EPA 8270

Analyte	AB	Analyte ID	Method ID
1,2,4,5-Tetrachlorobenzene	TX	6715	10185203
1,2,4-Trichlorobenzene	TX	5155	10185203
1,2-Dibromo-3-chloropropane (DBCP)	TX	4570	10185203
1,2-Dichlorobenzene	TX	4610	10185203
1,2-Dinitrobenzene	TX	6155	10185203
1,2-Diphenylhydrazine	TX	6220	10185203
1,3,5-Trinitrobenzene (1,3,5-TNB)	TX	6885	10185203
1,3-Dichlorobenzene	TX	4615	10185203
1,3-Dinitrobenzene (1,3-DNB)	TX	6160	10185203
1,4-Dichlorobenzene	TX	4620	10185203
1,4-Dinitrobenzene	TX	6165	10185203
1,4-Naphthoquinone	TX	6420	10185203
1,4-Phenylenediamine	TX	6630	10185203
1-Chloronaphthalene	TX	5790	10185203
1-Naphthylamine	TX	6425	10185203
2,3,4,6-Tetrachlorophenol	TX	6735	10185203
2,4,5-Trichlorophenol	TX	6835	10185203
2,4,5-Trimethylaniline	TX	6880	10185203
2,4,6-Trichlorophenol	TX	6840	10185203
2,4-Diaminotoluene	TX	5880	10185203
2,4-Dichlorophenol	TX	6000	10185203
2,4-Dimethylphenol	TX	6130	10185203
2,4-Dinitrophenol	TX	6175	10185203
2,4-Dinitrotoluene (2,4-DNT)	TX	6185	10185203
2,6-Dichlorophenol	TX	6005	10185203
2,6-Dinitrotoluene (2,6-DNT)	TX	6190	10185203

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Matrix: ***Solid & Chemical Materials***

2-Acetylaminofluorene	TX	5515	10185203
2-Chloronaphthalene	TX	5795	10185203
2-Chlorophenol	TX	5800	10185203
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	TX	6360	10185203
2-Methylaniline (o-Toluidine)	TX	5145	10185203
2-Methylnaphthalene	TX	6385	10185203
2-Methylphenol (o-Cresol)	TX	6400	10185203
2-Naphthylamine	TX	6430	10185203
2-Nitroaniline	TX	6460	10185203
2-Nitrophenol	TX	6490	10185203
2-Picoline (2-Methylpyridine)	TX	5050	10185203
3,3'-Dichlorobenzidine	TX	5945	10185203
3,3'-Dimethylbenzidine	TX	6120	10185203
3-Methylcholanthrene	TX	6355	10185203
3-Methylphenol (m-Cresol)	TX	6405	10185203
3-Nitroaniline	TX	6465	10185203
4-Aminobiphenyl	TX	5540	10185203
4-Bromophenyl phenyl ether (BDE-3)	TX	5660	10185203
4-Chloro-3-methylphenol	TX	5700	10185203
4-Chloroaniline	TX	5745	10185203
4-Chlorophenyl phenylether	TX	5825	10185203
4-Methylphenol (p-Cresol)	TX	6410	10185203
4-Nitroaniline	TX	6470	10185203
4-Nitrophenol	TX	6500	10185203
5-Nitro-o-toluidine	TX	6570	10185203
7,12-Dimethylbenz(a) anthracene	TX	6115	10185203
a-a-Dimethylphenethylamine	TX	6125	10185203
Acenaphthene	TX	5500	10185203
Acenaphthylene	TX	5505	10185203
Acetophenone	TX	5510	10185203

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Matrix: ***Solid & Chemical Materials***

Aniline	TX	5545	10185203
Anthracene	TX	5555	10185203
Aramite	TX	5560	10185203
Atrazine	TX	7065	10185203
Azinphos-methyl (Guthion)	TX	7075	10185203
Azobenzene	TX	5562	10185203
Benzenethiol (Thiophenol)	TX	6750	10185203
Benzidine	TX	5595	10185203
Benzo(a)anthracene	TX	5575	10185203
Benzo(a)pyrene	TX	5580	10185203
Benzo(b)fluoranthene	TX	5585	10185203
Benzo(e)pyrene	TX	5605	10185203
Benzo(g,h,i)perylene	TX	5590	10185203
Benzo(k)fluoranthene	TX	5600	10185203
Benzoic acid	TX	5610	10185203
Benzyl alcohol	TX	5630	10185203
Biphenyl	TX	5640	10185203
bis(2-Chloroethoxy)methane	TX	5760	10185203
bis(2-Chloroethyl) ether	TX	5765	10185203
bis(2-Chloroisopropyl) ether	TX	5780	10185203
bis(2-Ethylhexyl) phthalate (DEHP)	TX	6255	10185203
Butyl benzyl phthalate	TX	5670	10185203
Caprolactam	TX	7180	10185203
Carbaryl (Sevin)	TX	7195	10185203
Carbazole	TX	5680	10185203
Carbophenothion	TX	7220	10185203
Chlorobenzilate	TX	7260	10185203
Chrysene	TX	5855	10185203
Demeton	TX	7390	10185203
Demeton-o	TX	7395	10185203

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Matrix: ***Solid & Chemical Materials***

Demeton-s	TX	7385	10185203
Diallate	TX	7405	10185203
Dibenz(a,h) anthracene	TX	5895	10185203
Dibenz(a,j) acridine	TX	5900	10185203
Dibenzo(a,e) pyrene	TX	5890	10185203
Dibenzofuran	TX	5905	10185203
Dichlorovos (DDVP, Dichlorvos)	TX	8610	10185203
Diethyl phthalate	TX	6070	10185203
Dimethoate	TX	7475	10185203
Dimethyl phthalate	TX	6135	10185203
Di-n-butyl phthalate	TX	5925	10185203
Di-n-octyl phthalate	TX	6200	10185203
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	TX	8620	10185203
Diphenylamine	TX	6205	10185203
Disulfoton	TX	8625	10185203
Ethyl methanesulfonate	TX	6260	10185203
Fluoranthene	TX	6265	10185203
Fluorene	TX	6270	10185203
Hexachlorobenzene	TX	6275	10185203
Hexachlorobutadiene	TX	4835	10185203
Hexachlorocyclopentadiene	TX	6285	10185203
Hexachloroethane	TX	4840	10185203
Hexachlorophene	TX	6290	10185203
Hexachloropropene	TX	6295	10185203
Indeno(1,2,3-cd) pyrene	TX	6315	10185203
Isodrin	TX	7725	10185203
Isophorone	TX	6320	10185203
Isosafrole	TX	6325	10185203
Kepone	TX	7740	10185203
Malathion	TX	7770	10185203

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Matrix: ***Solid & Chemical Materials***

Methapyrilene	TX	6345	10185203
Methyl methanesulfonate	TX	6375	10185203
Methyl parathion (Parathion, methyl)	TX	7825	10185203
Mevinphos	TX	7850	10185203
Naphthalene	TX	5005	10185203
Nitrobenzene	TX	5015	10185203
Nitroquinoline-1-oxide	TX	6515	10185203
n-Nitrosodiethylamine	TX	6525	10185203
n-Nitrosodimethylamine	TX	6530	10185203
n-Nitrosodi-n-butylamine	TX	5025	10185203
n-Nitrosodi-n-propylamine	TX	6545	10185203
n-Nitrosodiphenylamine	TX	6535	10185203
n-Nitrosomethylethylamine	TX	6550	10185203
n-Nitrosomorpholine	TX	6555	10185203
n-Nitrosopiperidine	TX	6560	10185203
n-Nitrosopyrrolidine	TX	6565	10185203
o,o,o-Triethyl phosphorothioate	TX	8290	10185203
o-Anisidine	TX	5550	10185203
Parathion, ethyl	TX	7955	10185203
p-Cresidine	TX	5860	10185203
Pentachlorobenzene	TX	6590	10185203
Pentachloronitrobenzene (PCNB)	TX	6600	10185203
Pentachlorophenol	TX	6605	10185203
Phenacetin	TX	6610	10185203
Phenanthrene	TX	6615	10185203
Phenol	TX	6625	10185203
Phorate	TX	7985	10185203
Pronamide (Kerb)	TX	6650	10185203
Pyrene	TX	6665	10185203
Pyridine	TX	5095	10185203

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Matrix: ***Solid & Chemical Materials***

Quinoline	TX	6670	10185203
Safrole	TX	6685	10185203
Sulfotepp	TX	8155	10185203
Terbufos	TX	8185	10185203
Tetrachlorvinphos (Stirophos, Gardona)	TX	8197	10185203
Thionazin (Zinophos)	TX	8235	10185203
Toluene diisocyanate	TX	6775	10185203

Method EPA 8315

Analyte	**AB**	**Analyte ID**	**Method ID**
Formaldehyde	TX	4815	10187801

Method EPA 8316

Analyte	**AB**	**Analyte ID**	**Method ID**
Acrylamide	TX	4330	10188202

Method EPA 8330

Analyte	**AB**	**Analyte ID**	**Method ID**
1,3,5-Trinitrobenzene (1,3,5-TNB)	TX	6885	10189807
1,3-Dinitrobenzene (1,3-DNB)	TX	6160	10189807
2,4,6-Trinitrotoluene (2,4,6-TNT)	TX	9651	10189807
2,4-Dinitrotoluene (2,4-DNT)	TX	6185	10189807
2,6-Dinitrotoluene (2,6-DNT)	TX	6190	10189807
2-Amino-4,6-dinitrotoluene (2-am-dnt)	TX	9303	10189807
2-Nitrotoluene	TX	9507	10189807
3-Nitrotoluene	TX	9510	10189807
4-Amino-2,6-dinitrotoluene (4-am-dnt)	TX	9306	10189807
4-Nitrotoluene	TX	9513	10189807
Methyl-2,4,6-trinitrophenylnitramine (tetryl)	TX	6415	10189807
Nitrobenzene	TX	5015	10189807
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	TX	9522	10189807
RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)	TX	9432	10189807

Method EPA 9014

Analyte	**AB**	**Analyte ID**	**Method ID**

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704231-13-11

ALS Laboratory Group, Environmental Services Division (Houston, Texas)

Expiration Date: 4/30/2014

10450 Stancliff Road, Suite 210
Houston, TX 77099-4341

Issue Date: 5/1/2013

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Solid & Chemical Materials***

Amenable cyanide	TX	1510	10193803
Total Cyanide	TX	1635	10193803

Method EPA 9040

Analyte	**AB**	**Analyte ID**	**Method ID**
Corrosivity	TX	1615	10197203
pH	TX	1900	10196802

Method EPA 9045

Analyte	**AB**	**Analyte ID**	**Method ID**
Corrosivity	TX	1615	10197805
pH	TX	1900	10197805

Method EPA 9050

Analyte	**AB**	**Analyte ID**	**Method ID**
Conductivity	TX	1610	10198604

Method EPA 9056

Analyte	**AB**	**Analyte ID**	**Method ID**
Bromide	TX	1540	10199209
Chloride	TX	1575	10199209
Fluoride	TX	1730	10199209
Nitrate as N	TX	1810	10199209
Nitrate-nitrite	TX	1820	10199209
Nitrite as N	TX	1840	10199209
Orthophosphate as P	TX	1870	10199209
Sulfate	TX	2000	10199209

Method EPA 9060

Analyte	**AB**	**Analyte ID**	**Method ID**
Total Organic Carbon (TOC)	TX	2040	10200201

Method EPA 9065

Analyte	**AB**	**Analyte ID**	**Method ID**
Total phenolics	TX	1905	10200405

Method EPA 9071

Analyte	**AB**	**Analyte ID**	**Method ID**

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704231-13-11

ALS Laboratory Group, Environmental Services Division (Houston, Texas)

Expiration Date: 4/30/2014

10450 Stancliff Road, Suite 210
Houston, TX 77099-4341

Issue Date: 5/1/2013

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Solid & Chemical Materials***

n-Hexane Extractable Material (HEM) (O&G)	TX	1803	10201204

Method EPA 9095

Analyte	AB	Analyte ID	Method ID
Paint Filter Liquids Test	TX	10312	10204009

Method SM 2320 B

Analyte	AB	Analyte ID	Method ID
Alkalinity as CaCO3	TX	1505	20003003

Method SM 2510 B

Analyte	AB	Analyte ID	Method ID
Conductivity	TX	1610	20003809

Method SM 2540 G

Analyte	AB	Analyte ID	Method ID
Residue-total (total solids)	TX	1950	20005203

Method SSA/ASA Part 3:34

Analyte	AB	Analyte ID	Method ID
Carbon, organic (Walkley-Black)	TX	10340	SSA/ASA Pt 3:34

Method TCEQ 1005

Analyte	AB	Analyte ID	Method ID
Total Petroleum Hydrocarbons (TPH)	TX	2050	90019208

APPENDIX L

SEPTEMBER 2012 ANALYTICAL REPORT FOR BIOREACTOR SOLIDS

25-Sep-2012

Bruce MacDonald
Effective Environmental Inc.
9950 Chemical Road
Pasadena, TX 77507

Tel: (713) 672-6100
Fax: (713) 672-6101

Re: US Oil Recovery Work Order: **1209508**

Dear Bruce,

ALS Environmental received 2 samples on 14-Sep-2012 12:05 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 27.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Electronically approved by: Jumoke M. Lawal

Bethany McDaniel
Project Manager

Certificate No: TX: T104704231-12-10

ALS Environmental

Date: 25-Sep-12

Client: Effective Environmental Inc.
Project: US Oil Recovery
Work Order: **1209508**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1209508-01	US Oil Pit E	Sludge		9/13/2012 10:40	9/14/2012 12:05	☐
1209508-02	US Oil Pit W	Sludge		9/13/2012 11:20	9/14/2012 12:05	☐

ALS Environmental

Date: 25-Sep-12

Client: Effective Environmental Inc.
Project: US Oil Recovery
Work Order: 1209508

Case Narrative

Batch 64272, TCLP Semivolatile Organics, Sample 1209508-02: Several spike compounds outside QC limits due to sample matrix.

Batch R135248, TCLP Volatile Organics, Sample 1209555-13: MS/MSD performed on an unrelated sample.

The analyses for reactive cyanide and reactive sulfide were performed at ALS Environmental in Holland, MI.

Sample received outside method holding time for pH. pH is an immediate test. Sample results are flagged with an "H" qualifier.

ALS Environmental

Date: *25-Sep-12*

Client: Effective Environmental Inc.

Project: US Oil Recovery **Work Order:** 1209508

Sample ID: US Oil Pit E **Lab ID:** 1209508-01

Collection Date: 9/13/2012 10:40 AM **Matrix:** SLUDGE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TCLP MERCURY			**SW7470**		Prep Date: **9/21/2012**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	9/21/2012 03:41 PM
TCLP METALS			**SW1311/6020**		Prep Date: **9/19/2012**	Analyst: **SKS**
Arsenic	ND		0.0500	mg/L	10	9/20/2012 04:40 PM
Barium	ND		0.0500	mg/L	10	9/20/2012 04:40 PM
Cadmium	ND		0.0200	mg/L	10	9/20/2012 04:40 PM
Chromium	ND		0.0500	mg/L	10	9/20/2012 04:40 PM
Lead	ND		0.0500	mg/L	10	9/20/2012 04:40 PM
Selenium	ND		0.0500	mg/L	10	9/20/2012 04:40 PM
Silver	ND		0.0500	mg/L	10	9/20/2012 04:40 PM
TCLP SEMIVOLATILES			**SW1311/8270**		Prep Date: **9/18/2012**	Analyst: **ACN**
2,4,5-Trichlorophenol	ND		0.0050	mg/L	1	9/20/2012 06:04 PM
2,4,6-Trichlorophenol	ND		0.0050	mg/L	1	9/20/2012 06:04 PM
2,4-Dinitrotoluene	ND		0.0050	mg/L	1	9/20/2012 06:04 PM
Cresols, Total	**0.040**		**0.015**	**mg/L**	1	9/20/2012 06:04 PM
Hexachlorobenzene	ND		0.0050	mg/L	1	9/20/2012 06:04 PM
Hexachlorobutadiene	ND		0.0050	mg/L	1	9/20/2012 06:04 PM
Hexachloroethane	ND		0.0050	mg/L	1	9/20/2012 06:04 PM
Nitrobenzene	ND		0.0050	mg/L	1	9/20/2012 06:04 PM
Pentachlorophenol	ND		0.0050	mg/L	1	9/20/2012 06:04 PM
Pyridine	ND		0.0050	mg/L	1	9/20/2012 06:04 PM
Surr: 2,4,6-Tribromophenol	*76.5*		*36-126*	*%REC*	1	9/20/2012 06:04 PM
Surr: 2-Fluorobiphenyl	*68.0*		*43-125*	*%REC*	1	9/20/2012 06:04 PM
Surr: 2-Fluorophenol	*68.3*		*37-125*	*%REC*	1	9/20/2012 06:04 PM
Surr: 4-Terphenyl-d14	*76.8*		*32-125*	*%REC*	1	9/20/2012 06:04 PM
Surr: Nitrobenzene-d5	*64.8*		*37-125*	*%REC*	1	9/20/2012 06:04 PM
Surr: Phenol-d6	*72.0*		*40-125*	*%REC*	1	9/20/2012 06:04 PM
TCLP VOLATILES			**SW1311/8260B**		Prep Date: **9/17/2012**	Analyst: **PC**
1,1-Dichloroethene	ND		0.10	mg/L	20	9/19/2012 05:15 PM
1,2-Dichloroethane	ND		0.10	mg/L	20	9/19/2012 05:15 PM
1,4-Dichlorobenzene	ND		0.10	mg/L	20	9/19/2012 05:15 PM
2-Butanone	ND		0.20	mg/L	20	9/19/2012 05:15 PM
Benzene	**0.36**		**0.10**	**mg/L**	20	9/19/2012 05:15 PM
Carbon tetrachloride	ND		0.10	mg/L	20	9/19/2012 05:15 PM
Chlorobenzene	ND		0.10	mg/L	20	9/19/2012 05:15 PM
Chloroform	ND		0.10	mg/L	20	9/19/2012 05:15 PM
Tetrachloroethene	ND		0.10	mg/L	20	9/19/2012 05:15 PM
Trichloroethene	ND		0.10	mg/L	20	9/19/2012 05:15 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: *25-Sep-12*

Client: Effective Environmental Inc.
Project: US Oil Recovery
Work Order: 1209508
Sample ID: US Oil Pit E
Lab ID: 1209508-01
Collection Date: 9/13/2012 10:40 AM
Matrix: SLUDGE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Vinyl chloride	ND		0.040	mg/L	20	9/19/2012 05:15 PM
Surr: 1,2-Dichloroethane-d4	*92.9*		*70-125*	*%REC*	20	9/19/2012 05:15 PM
Surr: 4-Bromofluorobenzene	*98.1*		*72-125*	*%REC*	20	9/19/2012 05:15 PM
Surr: Dibromofluoromethane	*99.0*		*71-125*	*%REC*	20	9/19/2012 05:15 PM
Surr: Toluene-d8	*96.0*		*75-125*	*%REC*	20	9/19/2012 05:15 PM
REACTIVE CYANIDE			**SW-846**			Analyst: **HN**
Reactive Cyanide	ND	n	40.0	mg/Kg	1	9/19/2012 01:00 PM
REACTIVE SULFIDE			**SW-846**			Analyst: **HN**
Reactive Sulfide	ND	n	40.0	mg/Kg	1	9/19/2012 12:30 PM
IGNITIBILITY			**SW1010**			Analyst: **KL**
Ignitability	*> 212*		50.0	°F	1	9/20/2012 12:00 PM
PH - SM4500H+ B			**SM4500H+ B**			Analyst: **KL**
pH	**6.74**	H	**0.100**	**pH Units**	1	9/20/2012 10:00 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: *25-Sep-12*

Client: Effective Environmental Inc.

Project: US Oil Recovery **Work Order:** 1209508

Sample ID: US Oil Pit W **Lab ID:** 1209508-02

Collection Date: 9/13/2012 11:20 AM **Matrix:** SLUDGE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TCLP MERCURY			**SW7470**		Prep Date: **9/21/2012**	Analyst: **JCJ**
Mercury	ND		0.000200	mg/L	1	9/21/2012 03:43 PM
TCLP METALS			**SW1311/6020**		Prep Date: **9/19/2012**	Analyst: **SKS**
Arsenic	ND		0.0500	mg/L	10	9/20/2012 06:11 PM
Barium	**0.0765**		**0.0500**	**mg/L**	10	9/20/2012 06:11 PM
Cadmium	ND		0.0200	mg/L	10	9/20/2012 06:11 PM
Chromium	**0.0535**		**0.0500**	**mg/L**	10	9/20/2012 06:11 PM
Lead	ND		0.0500	mg/L	10	9/20/2012 06:11 PM
Selenium	ND		0.0500	mg/L	10	9/20/2012 06:11 PM
Silver	ND		0.0500	mg/L	10	9/20/2012 06:11 PM
TCLP SEMIVOLATILES			**SW1311/8270**		Prep Date: **9/18/2012**	Analyst: **ACN**
2,4,5-Trichlorophenol	ND		0.10	mg/L	10	9/18/2012 05:48 PM
2,4,6-Trichlorophenol	ND		0.10	mg/L	10	9/18/2012 05:48 PM
2,4-Dinitrotoluene	ND		0.10	mg/L	10	9/18/2012 05:48 PM
Cresols, Total	**0.89**		**0.30**	**mg/L**	10	9/18/2012 05:48 PM
Hexachlorobenzene	ND		0.10	mg/L	10	9/18/2012 05:48 PM
Hexachlorobutadiene	ND		0.10	mg/L	10	9/18/2012 05:48 PM
Hexachloroethane	ND		0.10	mg/L	10	9/18/2012 05:48 PM
Nitrobenzene	ND		0.10	mg/L	10	9/18/2012 05:48 PM
Pentachlorophenol	ND		0.10	mg/L	10	9/18/2012 05:48 PM
Pyridine	ND		0.10	mg/L	10	9/18/2012 05:48 PM
Surr: 2,4,6-Tribromophenol	*60.9*		*36-126*	*%REC*	10	9/18/2012 05:48 PM
Surr: 2-Fluorobiphenyl	*55.9*		*43-125*	*%REC*	10	9/18/2012 05:48 PM
Surr: 2-Fluorophenol	*47.9*		*37-125*	*%REC*	10	9/18/2012 05:48 PM
Surr: 4-Terphenyl-d14	*61.3*		*32-125*	*%REC*	10	9/18/2012 05:48 PM
Surr: Nitrobenzene-d5	*51.2*		*37-125*	*%REC*	10	9/18/2012 05:48 PM
Surr: Phenol-d6	*63.4*		*40-125*	*%REC*	10	9/18/2012 05:48 PM
TCLP VOLATILES			**SW1311/8260B**		Prep Date: **9/17/2012**	Analyst: **PC**
1,1-Dichloroethene	ND		0.10	mg/L	20	9/19/2012 05:41 PM
1,2-Dichloroethane	**0.13**		**0.10**	**mg/L**	20	9/19/2012 05:41 PM
1,4-Dichlorobenzene	ND		0.10	mg/L	20	9/19/2012 05:41 PM
2-Butanone	**0.54**		**0.20**	**mg/L**	20	9/19/2012 05:41 PM
Benzene	**3.2**		**0.10**	**mg/L**	20	9/19/2012 05:41 PM
Carbon tetrachloride	ND		0.10	mg/L	20	9/19/2012 05:41 PM
Chlorobenzene	ND		0.10	mg/L	20	9/19/2012 05:41 PM
Chloroform	ND		0.10	mg/L	20	9/19/2012 05:41 PM
Tetrachloroethene	ND		0.10	mg/L	20	9/19/2012 05:41 PM
Trichloroethene	**0.51**		**0.10**	**mg/L**	20	9/19/2012 05:41 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: *25-Sep-12*

Client: Effective Environmental Inc.
Project: US Oil Recovery
Work Order: 1209508
Sample ID: US Oil Pit W
Lab ID: 1209508-02
Collection Date: 9/13/2012 11:20 AM
Matrix: SLUDGE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Vinyl chloride	ND		0.040	mg/L	20	9/19/2012 05:41 PM
Surr: 1,2-Dichloroethane-d4	*91.0*		*70-125*	*%REC*	20	9/19/2012 05:41 PM
Surr: 4-Bromofluorobenzene	*99.0*		*72-125*	*%REC*	20	9/19/2012 05:41 PM
Surr: Dibromofluoromethane	*99.0*		*71-125*	*%REC*	20	9/19/2012 05:41 PM
Surr: Toluene-d8	*104*		*75-125*	*%REC*	20	9/19/2012 05:41 PM
REACTIVE CYANIDE			**SW-846**			Analyst: **HN**
Reactive Cyanide	ND	n	40.0	mg/Kg	1	9/19/2012 01:00 PM
REACTIVE SULFIDE			**SW-846**			Analyst: **HN**
Reactive Sulfide	ND	n	40.0	mg/Kg	1	9/19/2012 12:30 PM
IGNITIBILITY			**SW1010**			Analyst: **KL**
Ignitability	*> 212*		50.0	°F	1	9/20/2012 12:00 PM
PH - SM4500H+ B			**SM4500H+ B**			Analyst: **KL**
pH	**6.78**	H	**0.100**	**pH Units**	1	9/20/2012 10:00 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **64346** Instrument ID **ICPMS05** Method: **SW1311/6020**

MBLK Sample ID: **MBLKT1-092012-64346** Units: **mg/L** Analysis Date: **9/20/2012 04:33 PM**

Client ID: Run ID: **ICPMS05_120920A** SeqNo: **2949562** Prep Date: **9/19/2012** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.050								
Barium	ND	0.050								
Cadmium	ND	0.020								
Chromium	ND	0.050								
Lead	ND	0.050								
Selenium	ND	0.050								
Silver	ND	0.050								

MBLK Sample ID: **MBLKW5-092012-64346** Units: **mg/L** Analysis Date: **9/20/2012 04:35 PM**

Client ID: Run ID: **ICPMS05_120920A** SeqNo: **2949564** Prep Date: **9/19/2012** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.050								
Barium	ND	0.050								
Cadmium	ND	0.020								
Chromium	ND	0.050								
Lead	ND	0.050								
Selenium	ND	0.050								
Silver	ND	0.050								

LCS Sample ID: **MLCSW5-092012-64346** Units: **mg/L** Analysis Date: **9/20/2012 05:42 PM**

Client ID: Run ID: **ICP7500_120920A** SeqNo: **2949643** Prep Date: **9/19/2012** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4841	0.050	0.5	0	96.8	80-120	0			
Barium	0.5483	0.050	0.5	0	110	80-120	0			
Cadmium	0.5254	0.020	0.5	0	105	80-120	0			
Chromium	0.4967	0.050	0.5	0	99.3	80-120	0			
Lead	0.55	0.050	0.5	0	110	80-120	0			
Selenium	0.4966	0.050	0.5	0	99.3	80-120	0			
Silver	0.585	0.050	0.5	0	117	80-120	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Effective Environmental Inc.
Work Order: 1209508
Project: US Oil Recovery

QC BATCH REPORT

Batch ID: **64346** Instrument ID **ICPMS05** Method: **SW1311/6020**

MS Sample ID: **1209508-01CMS** Units: **mg/L** Analysis Date: **9/20/2012 04:47 PM**

Client ID: **US Oil Pit E** Run ID: **ICPMS05_120920A** SeqNo: **2949574** Prep Date: **9/19/2012** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4834	0.050	0.5	0.00358	96	75-125	0			
Barium	0.5354	0.050	0.5	0.04917	97.3	75-125	0			
Cadmium	0.4602	0.020	0.5	0.001333	91.8	75-125	0			
Chromium	0.4635	0.050	0.5	-0.000044	92.7	75-125	0			
Lead	0.4638	0.050	0.5	0.005931	91.6	75-125	0			
Selenium	0.4509	0.050	0.5	-0.01863	93.9	75-125	0			
Silver	0.4299	0.050	0.5	0.000949	85.8	75-125	0			

MSD Sample ID: **1209508-01CMSD** Units: **mg/L** Analysis Date: **9/20/2012 04:49 PM**

Client ID: **US Oil Pit E** Run ID: **ICPMS05_120920A** SeqNo: **2949576** Prep Date: **9/19/2012** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4938	0.050	0.5	0.00358	98	75-125	0.4834	2.12	25	
Barium	0.5875	0.050	0.5	0.04917	108	75-125	0.5354	9.27	25	
Cadmium	0.5107	0.020	0.5	0.001333	102	75-125	0.4602	10.4	25	
Chromium	0.4756	0.050	0.5	-0.000044	95.1	75-125	0.4635	2.58	25	
Lead	0.5178	0.050	0.5	0.005931	102	75-125	0.4638	11	25	
Selenium	0.5151	0.050	0.5	-0.01863	107	75-125	0.4509	13.3	25	
Silver	0.4733	0.050	0.5	0.000949	94.5	75-125	0.4299	9.61	25	

DUP Sample ID: **1209508-01CDUP** Units: **mg/L** Analysis Date: **9/20/2012 04:42 PM**

Client ID: **US Oil Pit E** Run ID: **ICPMS05_120920A** SeqNo: **2949570** Prep Date: **9/19/2012** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.050	0	0	0	0-0	0.00358	0	25	
Barium	0.05791	0.050	0	0	0	0-0	0.04917	16.3	25	
Cadmium	ND	0.020	0	0	0	0-0	0.001333	0	25	
Chromium	ND	0.050	0	0	0	0-0	-0.000044	0	25	
Lead	ND	0.050	0	0	0	0-0	0.005931	0	25	
Selenium	ND	0.050	0	0	0	0-0	-0.01863	0	25	
Silver	ND	0.050	0	0	0	0-0	0.000949	0	25	

The following samples were analyzed in this batch: 1209508-01C 1209508-02C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Effective Environmental Inc.
Work Order: 1209508
Project: US Oil Recovery

QC BATCH REPORT

Batch ID: **64373** Instrument ID **Mercury** Method: **SW7470**

MBLK Sample ID: **GBLKW2-092112-64373** Units: **mg/L** Analysis Date: **9/21/2012 03:27 PM**
Client ID: Run ID: **MERCURY_120921A** SeqNo: **2951134** Prep Date: **9/21/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.00020								

MBLK Sample ID: **GBLKT1-092012-64373** Units: **mg/L** Analysis Date: **9/21/2012 03:31 PM**
Client ID: Run ID: **MERCURY_120921A** SeqNo: **2951136** Prep Date: **9/21/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.00020								

LCS Sample ID: **GLCSW2-092112-64373** Units: **mg/L** Analysis Date: **9/21/2012 03:29 PM**
Client ID: Run ID: **MERCURY_120921A** SeqNo: **2951135** Prep Date: **9/21/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00476	0.00020	0.005	0	95.2	80-120	0			

MS Sample ID: **1209647-12CMS** Units: **mg/L** Analysis Date: **9/21/2012 03:37 PM**
Client ID: Run ID: **MERCURY_120921A** SeqNo: **2951139** Prep Date: **9/21/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00478	0.00020	0.005	-0.000012	95.8	75-125	0			

MSD Sample ID: **1209647-12CMSD** Units: **mg/L** Analysis Date: **9/21/2012 03:39 PM**
Client ID: Run ID: **MERCURY_120921A** SeqNo: **2951140** Prep Date: **9/21/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00473	0.00020	0.005	-0.000012	94.8	75-125	0.00478	1.05	20	

DUP Sample ID: **1209647-12CDUP** Units: **mg/L** Analysis Date: **9/21/2012 03:35 PM**
Client ID: Run ID: **MERCURY_120921A** SeqNo: **2951138** Prep Date: **9/21/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.00020	0	0	0	0-0	-0.000012	0	20	

The following samples were analyzed in this batch: 1209508-01C 1209508-02C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Effective Environmental Inc.
Work Order: 1209508
Project: US Oil Recovery

QC BATCH REPORT

Batch ID: **64272** Instrument ID **SV-5** Method: **SW1311/8270**

MBLK Sample ID: **SBLKT1-120918-64272** Units: **µg/L** Analysis Date: **9/18/2012 02:37 PM**

Client ID: Run ID: **SV-5_120918B** SeqNo: **2950181** Prep Date: **9/18/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	ND	5.0								
2,4,6-Trichlorophenol	ND	5.0								
2,4-Dinitrotoluene	ND	5.0								
Cresols, Total	ND	15								
Hexachlorobenzene	ND	5.0								
Hexachlorobutadiene	ND	5.0								
Hexachloroethane	ND	5.0								
Nitrobenzene	ND	5.0								
Pentachlorophenol	ND	5.0								
Pyridine	ND	5.0								
Surr: 2,4,6-Tribromophenol	*110.5*	5.0	*100*	0	*111*	*36-126*	0			
Surr: 2-Fluorobiphenyl	*100.5*	5.0	*100*	0	*100*	*43-125*	0			
Surr: 2-Fluorophenol	*94.7*	5.0	*100*	0	*94.7*	*37-125*	0			
Surr: 4-Terphenyl-d14	*115.6*	5.0	*100*	0	*116*	*32-125*	0			
Surr: Nitrobenzene-d5	*92.33*	5.0	*100*	0	*92.3*	*37-125*	0			
Surr: Phenol-d6	*98.83*	5.0	*100*	0	*98.8*	*40-125*	0			

LCS Sample ID: **SLCST1-120918-64272** Units: **µg/L** Analysis Date: **9/18/2012 04:37 PM**

Client ID: Run ID: **SV-5_120918B** SeqNo: **2950183** Prep Date: **9/18/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	99.82	5.0	100	0	99.8	55-120	0			
2,4,6-Trichlorophenol	107.7	5.0	100	0	108	55-120	0			
2,4-Dinitrotoluene	51.23	5.0	50	0	102	55-125	0			
Cresols, Total	249.4	15	250	0	99.8	40-120	0			
Hexachlorobenzene	53.12	5.0	50	0	106	55-120	0			
Hexachlorobutadiene	45.82	5.0	50	0	91.6	55-120	0			
Hexachloroethane	41.76	5.0	50	0	83.5	55-120	0			
Nitrobenzene	48.66	5.0	50	0	97.3	55-120	0			
Pentachlorophenol	107.8	5.0	100	0	108	50-135	0			
Pyridine	40.25	5.0	50	0	80.5	30-120	0			
Surr: 2,4,6-Tribromophenol	*115.6*	5.0	*100*	0	*116*	*36-126*	0			
Surr: 2-Fluorobiphenyl	*94.99*	5.0	*100*	0	*95*	*43-125*	0			
Surr: 2-Fluorophenol	*106.4*	5.0	*100*	0	*106*	*37-125*	0			
Surr: 4-Terphenyl-d14	*114.8*	5.0	*100*	0	*115*	*32-125*	0			
Surr: Nitrobenzene-d5	*92.65*	5.0	*100*	0	*92.6*	*37-125*	0			
Surr: Phenol-d6	*109.7*	5.0	*100*	0	*110*	*40-125*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Effective Environmental Inc.
Work Order: 1209508
Project: US Oil Recovery

QC BATCH REPORT

Batch ID: **64272** Instrument ID **SV-5** Method: **SW1311/8270**

LCSD Sample ID: **SLCSDT1-120918-64272** Units: **µg/L** Analysis Date: **9/18/2012 03:21 PM**

Client ID: Run ID: **SV-5_120918B** SeqNo: **2950182** Prep Date: **9/18/2012** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	100.6	5.0	100	0	101	55-120	99.82	0.764	25	
2,4,6-Trichlorophenol	103.5	5.0	100	0	103	55-120	107.7	4.02	25	
2,4-Dinitrotoluene	51.66	5.0	50	0	103	55-125	51.23	0.823	25	
Cresols, Total	225.4	15	250	0	90.1	40-120	249.4	10.1	25	
Hexachlorobenzene	51.55	5.0	50	0	103	55-120	53.12	3	25	
Hexachlorobutadiene	48.11	5.0	50	0	96.2	55-120	45.82	4.86	25	
Hexachloroethane	42.1	5.0	50	0	84.2	55-120	41.76	0.826	25	
Nitrobenzene	49.24	5.0	50	0	98.5	55-120	48.66	1.18	25	
Pentachlorophenol	105.6	5.0	100	0	106	50-135	107.8	2.06	25	
Pyridine	42.76	5.0	50	0	85.5	30-120	40.25	6.06	25	
Surr: 2,4,6-Tribromophenol	*118.7*	5.0	*100*	0	*119*	*36-126*	115.6	*2.6*	*25*	
Surr: 2-Fluorobiphenyl	*97.83*	5.0	*100*	0	*97.8*	*43-125*	94.99	*2.94*	*25*	
Surr: 2-Fluorophenol	*100.6*	5.0	*100*	0	*101*	*37-125*	106.4	*5.65*	*25*	
Surr: 4-Terphenyl-d14	*115.6*	5.0	*100*	0	*116*	*32-125*	114.8	*0.662*	*25*	
Surr: Nitrobenzene-d5	*92.23*	5.0	*100*	0	*92.2*	*37-125*	92.65	*0.452*	*25*	
Surr: Phenol-d6	*98.32*	5.0	*100*	0	*98.3*	*40-125*	109.7	*10.9*	*25*	

MS Sample ID: **1209508-02BMS** Units: **µg/L** Analysis Date: **9/20/2012 05:34 PM**

Client ID: **US Oil Pit W** Run ID: **SV-5_120918B** SeqNo: **2950185** Prep Date: **9/18/2012** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
2,4,5-Trichlorophenol	112.1	100	200	0	56	55-120	0			
2,4,6-Trichlorophenol	111.8	100	200	0	55.9	55-120	0			
2,4-Dinitrotoluene	41.14	100	100	0	41.1	55-125	0			JS
Cresols, Total	1160	300	500	888.5	54.2	40-120	0			
Hexachlorobenzene	56.43	100	100	0	56.4	55-120	0			J
Hexachlorobutadiene	50.4	100	100	0	50.4	55-120	0			JS
Hexachloroethane	ND	100	100	0	0	55-120	0			S
Nitrobenzene	105.6	100	100	0	106	55-120	0			
Pentachlorophenol	110.8	100	200	0	55.4	50-135	0			
Pyridine	51.32	100	100	0	51.3	30-120	0			J
Surr: 2,4,6-Tribromophenol	*118.5*	100	*200*	0	*59.3*	*36-126*	0			
Surr: 2-Fluorobiphenyl	*107.7*	100	*200*	0	*53.9*	*43-125*	0			
Surr: 2-Fluorophenol	*98.97*	100	*200*	0	*49.5*	*37-125*	0			*J*
Surr: 4-Terphenyl-d14	*125.4*	100	*200*	0	*62.7*	*32-125*	0			
Surr: Nitrobenzene-d5	*103.1*	100	*200*	0	*51.5*	*37-125*	0			
Surr: Phenol-d6	*111.1*	100	*200*	0	*55.5*	*40-125*	0			

The following samples were analyzed in this batch: 1209508-01B 1209508-02B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Effective Environmental Inc.
Work Order: 1209508
Project: US Oil Recovery

QC BATCH REPORT

Batch ID: **R135248** Instrument ID **VOA1** Method: **SW1311/8260B**

MBLK Sample ID: **VBLKW-091912-R135248** Units: **µg/L** Analysis Date: **9/19/2012 11:54 AM**

Client ID: Run ID: **VOA1_120919B** SeqNo: **2947638** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2-Butanone	ND	10								
Benzene	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroform	ND	5.0								
Tetrachloroethene	ND	5.0								
Trichloroethene	ND	5.0								
Vinyl chloride	ND	2.0								
Surr: 1,2-Dichloroethane-d4	*45.62*	5.0	*50*	0	*91.2*	*70-125*	0			
Surr: 4-Bromofluorobenzene	*46.99*	5.0	*50*	0	*94*	*72.4-125*	0			
Surr: Dibromofluoromethane	*49.86*	5.0	*50*	0	*99.7*	*71.2-125*	0			
Surr: Toluene-d8	*49.57*	5.0	*50*	0	*99.1*	*75-125*	0			

MBLK Sample ID: **MBLKV1-091712-R135248** Units: **µg/L** Analysis Date: **9/19/2012 04:50 PM**

Client ID: Run ID: **VOA1_120919B** SeqNo: **2947642** Prep Date: **9/17/2012** DF: **20**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	ND	100								
1,2-Dichloroethane	ND	100								
1,4-Dichlorobenzene	ND	100								
2-Butanone	ND	200								
Benzene	ND	100								
Carbon tetrachloride	ND	100								
Chlorobenzene	ND	100								
Chloroform	ND	100								
Tetrachloroethene	ND	100								
Trichloroethene	ND	100								
Vinyl chloride	ND	40								
Surr: 1,2-Dichloroethane-d4	*867.7*	100	*1000*	0	*86.8*	*70-125*	0			
Surr: 4-Bromofluorobenzene	*986.8*	100	*1000*	0	*98.7*	*72.4-125*	0			
Surr: Dibromofluoromethane	*927.8*	100	*1000*	0	*92.8*	*71.2-125*	0			
Surr: Toluene-d8	*1011*	100	*1000*	0	*101*	*75-125*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Effective Environmental Inc.
Work Order: 1209508
Project: US Oil Recovery

QC BATCH REPORT

Batch ID: **R135248** Instrument ID **VOA1** Method: **SW1311/8260B**

LCS Sample ID: **VLCSW-091912-R135248** Units: **µg/L** Analysis Date: **9/19/2012 11:03 AM**

Client ID: Run ID: **VOA1_120919B** SeqNo: **2947637** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	46.42	5.0	50	0	92.8	73-124	0			
1,2-Dichloroethane	44.87	5.0	50	0	89.7	76-120	0			
1,4-Dichlorobenzene	49.72	5.0	50	0	99.4	70-130	0			
2-Butanone	85.32	10	100	0	85.3	70-130	0			
Benzene	46.23	5.0	50	0	92.5	70-128	0			
Carbon tetrachloride	45.6	5.0	50	0	91.2	70-130	0			
Chlorobenzene	50.89	5.0	50	0	102	72-127	0			
Chloroform	45.49	5.0	50	0	91	70-130	0			
Tetrachloroethene	48.48	5.0	50	0	97	70-130	0			
Trichloroethene	48.35	5.0	50	0	96.7	72-129	0			
Vinyl chloride	59.5	2.0	50	0	119	70-130	0			
Surr: 1,2-Dichloroethane-d4	*43.32*	5.0	*50*	0	*86.6*	*70-125*	0			
Surr: 4-Bromofluorobenzene	*47.38*	5.0	*50*	0	*94.8*	*72-125*	0			
Surr: Dibromofluoromethane	*48.38*	5.0	*50*	0	*96.8*	*71-125*	0			
Surr: Toluene-d8	*48.19*	5.0	*50*	0	*96.4*	*75-125*	0			

MS Sample ID: **1209555-13ZMS** Units: **µg/L** Analysis Date: **9/19/2012 02:54 PM**

Client ID: Run ID: **VOA1_120919B** SeqNo: **2947640** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	41.18	5.0	50	2.25	77.9	73-124	0			
1,2-Dichloroethane	229.4	5.0	50	233	-7.2	76-120	0			SEO
1,4-Dichlorobenzene	44.03	5.0	50	0	88.1	70-130	0			
2-Butanone	85.57	10	100	0	85.6	70-130	0			
Benzene	63	5.0	50	27.39	71.2	70-128	0			
Carbon tetrachloride	37.68	5.0	50	0	75.4	70-130	0			
Chlorobenzene	50.17	5.0	50	0	100	72-127	0			
Chloroform	128.9	5.0	50	162.8	-67.8	70-130	0			S
Tetrachloroethene	48.73	5.0	50	8.72	80	70-130	0			
Trichloroethene	75.65	5.0	50	53.63	44	72-129	0			S
Vinyl chloride	106.8	2.0	50	124.8	-35.8	70-130	0			S
Surr: 1,2-Dichloroethane-d4	*43.5*	5.0	*50*	0	*87*	*70-125*	0			
Surr: 4-Bromofluorobenzene	*49.7*	5.0	*50*	0	*99.4*	*72-125*	0			
Surr: Dibromofluoromethane	*49.51*	5.0	*50*	0	*99*	*71-125*	0			
Surr: Toluene-d8	*50.32*	5.0	*50*	0	*101*	*75-125*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Effective Environmental Inc.
Work Order: 1209508
Project: US Oil Recovery

QC BATCH REPORT

Batch ID: **R135248** Instrument ID **VOA1** Method: **SW1311/8260B**

MSD Sample ID: **1209555-13ZMSD** Units: **µg/L** Analysis Date: **9/19/2012 03:19 PM**

Client ID: Run ID: **VOA1_120919B** SeqNo: **2947641** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	40.36	5.0	50	2.25	76.2	73-124	41.18	2	20	
1,2-Dichloroethane	225.4	5.0	50	233	-15.3	76-120	229.4	1.78	20	SEO
1,4-Dichlorobenzene	43.73	5.0	50	0	87.5	70-130	44.03	0.681	20	
2-Butanone	85.65	10	100	0	85.7	70-130	85.57	0.101	20	
Benzene	59.47	5.0	50	27.39	64.2	70-128	63	5.78	20	S
Carbon tetrachloride	37.3	5.0	50	0	74.6	70-130	37.68	1.02	20	
Chlorobenzene	50.99	5.0	50	0	102	72-127	50.17	1.63	20	
Chloroform	122.3	5.0	50	162.8	-81.1	70-130	128.9	5.31	20	S
Tetrachloroethene	48.24	5.0	50	8.72	79	70-130	48.73	1.03	20	
Trichloroethene	75.61	5.0	50	53.63	44	72-129	75.65	0.057	20	S
Vinyl chloride	102.8	2.0	50	124.8	-43.9	70-130	106.8	3.83	20	S
Surr: 1,2-Dichloroethane-d4	*45.35*	5.0	*50*	0	*90.7*	*70-125*	43.5	*4.17*	*20*	
Surr: 4-Bromofluorobenzene	*48.91*	5.0	*50*	0	*97.8*	*72-125*	49.7	*1.61*	*20*	
Surr: Dibromofluoromethane	*47.88*	5.0	*50*	0	*95.8*	*71-125*	49.51	*3.35*	*20*	
Surr: Toluene-d8	*53.15*	5.0	*50*	0	*106*	*75-125*	50.32	*5.48*	*20*	

The following samples were analyzed in this batch: 1209508-01A 1209508-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Effective Environmental Inc.
Work Order: 1209508
Project: US Oil Recovery

QC BATCH REPORT

Batch ID: **R135280** Instrument ID **WetChem** Method: **SW1010** **(Dissolve)**

LCS Sample ID: **WLCSW1-120920-R135280** Units: **°F** Analysis Date: **9/20/2012 12:00 PM**

Client ID: Run ID: **WETCHEM_120920D** SeqNo: **2948563** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ignitability	86	50	84	0	102	80-120	0			

DUP Sample ID: **1209508-02CDUP** Units: **°F** Analysis Date: **9/20/2012 12:00 PM**

Client ID: **US Oil Pit W** Run ID: **WETCHEM_120920D** SeqNo: **2948566** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ignitability	ND	50	0	0	0	0-0	0	0	25	

The following samples were analyzed in this batch: 1209508-01C 1209508-02C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Effective Environmental Inc.
Work Order: 1209508
Project: US Oil Recovery

QC BATCH REPORT

Batch ID: **R135284** Instrument ID **WetChem** Method: **SM4500H+ B** **(Dissolve)**

LCS Sample ID: **WLCSW2-120920-R135284** Units: **pH Units** Analysis Date: **9/20/2012 10:00 AM**
Client ID: Run ID: **WETCHEM_120920G** SeqNo: **2948622** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	6.11	0.10	6	0	102	90-110	0			

DUP Sample ID: **1209630-06CDUP** Units: **pH Units** Analysis Date: **9/20/2012 10:00 AM**
Client ID: Run ID: **WETCHEM_120920G** SeqNo: **2948633** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
pH	5.67	0.10	0	0	0	0-0	5.74	1.23	20	H

The following samples were analyzed in this batch: 1209508-01C 1209508-02C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 25-Sep-12

Client: Effective Environmental Inc.
Project: US Oil Recovery
WorkOrder: **1209508**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Units Reported	Description
°F	Farenheit degrees
mg/Kg	Milligrams per Kilogram
mg/L	Milligrams per Liter
pH Units	

ALS Environmental

Sample Receipt Checklist

Client Name: **EFFECTIVE ENV-HOU** Date/Time Received: **14-Sep-12 12:05**

Work Order: **1209508** Received by: **JEM**

Checklist completed by Paresh M. Giga (eSignature) 15-Sep-12 (Date) Reviewed by: Bethany McDaniel (eSignature) 17-Sep-12 (Date)

Matrices: Sludge
Carrier name: ALS.HS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.3c C/U	004	
Cooler(s)/Kit(s):	1870		
Date/Time sample(s) sent to storage:	9/15/12 13:45		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

ALS Environmental

Cincinnati, OH +1 513 733 5336 | Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600 | Holland, MI +1 616 399 6070

Chain of Custody Form

1209508

Page ____ of ____

COC ID: 67977

EFFECTIVE ENV-HOU: Effective Environmental Inc.

Project: US Oil Recovery

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	81152	Project Name	US oil Recovery	A	RCF
Work Order		Project Number	81152	B	RCRA 8 Metals TCLP
Company Name	Effective Environmental Inc.	Bill To Company	Effective Environmental Inc.	C	TCLP VOC
Send Report To	~~Bruce MacDonald~~ HIREN SHAH	Invoice Attn	Bruce MacDonald	D	TCLP SVOC
Address	9950 Chemical Road	Address	9950 Chemical Road	E	
				F	
City/State/Zip	Houston, TX 77507	City/State/Zip	Houston, TX 77507	G	
Phone	(713) 672-6100	Phone	(713) 672-6100	H	
Fax	(713) 672-6101	Fax	(713) 672-6101	I	
e-Mail Address	CLECHNER@EFF-ENV.com	e-Mail Address	CLECHNER@EFF-ENV.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	US oil Pit E	9-13-12	1040 A	C		3	X	X	X	X							
2	US oil Pit W	9-13-12	1120 A	C		3	X	X	X	X							
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Cliff LECHNER

Shipment Method:

Required Turnaround Time: (Check Box) [X] Std 10 WK Days [ ] 5 WK Days [ ] Other [ ] 2 WK Days [ ] 24 Hour

Results Due Date:

Relinquished by:	Date: 9-13-12	Time: 3 PM	Received by: Hiren Shah	9/13/12 3:00 PM	Notes:
Relinquished by: Hiren Shah	Date: 9-14-12	Time: 12:05 P.M.	Received by (Laboratory):	12:05 pm	Cooler ID: 1870
Logged by (Laboratory):	Date: 9-14-12	Time: 13:19	Checked by (Laboratory):	9.14.12. 1338.	Cooler Temp.

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

QC Package: (Check One Box Below)
- [x] Level II Std QC
- [ ] Level III Std QC/Raw Data
- [ ] Level IV SW846/CLP
- [ ] Other / EDD
- [ ] TRRP Checklist
- [ ] TRRP Level IV

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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ALS Group USA, Corp

Date: 21-Sep-12

Client: ALS Environmental
Project: 1209508
Work Order: **1209427**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1209427-01	1209508-01D	Sludge		9/13/2012 10:40	9/18/2012 10:00	☐
1209427-02	1209508-02D	Sludge		9/13/2012 11:20	9/18/2012 10:00	☐

ALS Group USA, Corp

Date: 21-Sep-12

Client: ALS Environmental
Project: 1209508
WorkOrder: **1209427**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
SD	Serial Dilution
TDL	Target Detection Limit

Units Reported	Description
mg/Kg	Milligrams per Kilogram

ALS Group USA, Corp

Date: *21-Sep-12*

Client: ALS Environmental
Project: 1209508

Work Order: 1209427

Lab ID: 1209427-01A
Client Sample ID: 1209508-01D

Collection Date: 9/13/2012 10:40:00 AM
Matrix: SLUDGE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
CYANIDE, REACTIVE			**SW7.3.3.2**			Analyst: **EE**
Cyanide, Reactive	ND		40.0	mg/Kg	1	9/19/2012 01:00 PM
SULFIDE, REACTIVE			**SW7.3.4.2**			Analyst: **EE**
Sulfide, Reactive	ND		40.0	mg/Kg	1	9/19/2012 12:30 PM

Lab ID: 1209427-02A
Client Sample ID: 1209508-02D

Collection Date: 9/13/2012 11:20:00 AM
Matrix: SLUDGE

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
CYANIDE, REACTIVE			**SW7.3.3.2**			Analyst: **EE**
Cyanide, Reactive	ND		40.0	mg/Kg	1	9/19/2012 01:00 PM
SULFIDE, REACTIVE			**SW7.3.4.2**			Analyst: **EE**
Sulfide, Reactive	ND		40.0	mg/Kg	1	9/19/2012 12:30 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 21-Sep-12

Client: ALS Environmental

Work Order: 1209427

Project: 1209508

QC BATCH REPORT

Batch ID: **R109948** Instrument ID **WETCHEM** Method: **SW7.3.4.2**

MBLK	Sample ID: **WBLKW1-091912-R109948**			Units: **mg/Kg**			Analysis Date: **9/19/2012 12:30 PM**			
Client ID:		Run ID: **WETCHEM_120919J**		SeqNo: **2083167**		Prep Date:		DF: **1**		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sulfide, Reactive	ND	40								

The following samples were analyzed in this batch: 1209427-01A 1209427-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: ALS Environmental
Work Order: 1209427
Project: 1209508

QC BATCH REPORT

Batch ID: **R109950** Instrument ID **WETCHEM** Method: **SW7.3.3.2**

MBLK Sample ID: **WBLKW1-091912-R109950** Units: **mg/Kg** Analysis Date: **9/19/2012 01:00 PM**
Client ID: Run ID: **WETCHEM_120919K** SeqNo: **2083176** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide, Reactive	ND	40								

LCS Sample ID: **WLCSW1-091912-R109950** Units: **mg/Kg** Analysis Date: **9/19/2012 01:00 PM**
Client ID: Run ID: **WETCHEM_120919K** SeqNo: **2083177** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide, Reactive	249.6	40	250	0	99.8	75-125	0			

MS Sample ID: **1209322-01D MS** Units: **mg/Kg** Analysis Date: **9/19/2012 01:00 PM**
Client ID: Run ID: **WETCHEM_120919K** SeqNo: **2083179** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide, Reactive	234.9	40	250	0	94	50-150	0			

MSD Sample ID: **1209322-01D MSD** Units: **mg/Kg** Analysis Date: **9/19/2012 01:00 PM**
Client ID: Run ID: **WETCHEM_120919K** SeqNo: **2083180** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Cyanide, Reactive	234.9	40	250	0	94	50-150	234.9	0	35	

The following samples were analyzed in this batch: 1209427-01A 1209427-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

1209427

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Date: 15-Sep-12
COC ID: 12565
Due Date 24-Sep-12

Subcontractor:
ALS Laboratory Group
3352 128th Ave.
Holland, MI 49424

TEL: (616) 399-6070
FAX: (616) 399-6185
Acct #:

Salesperson: Adina L.Walker

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	1209508	A	Reactive Cyanide (SW-846)
Work Order		Project Number		B	Reactive Sulfide (SW-846)
Company Name	ALS Group USA, Corp.	Bill To Company	ALS Group USA, Corp.	C	
Send Report To	Bethany McDaniel	Inv Attn	Accounts Payable	D	
Address	10450 Stancliff Rd, Suite 210	Address	10450 Stancliff Rd, Suite 210	E	
				F	
City/State/Zip	Houston, Texas 77099-4338	City/State/Zip	Houston, Texas 77099-4338	G	
Phone	(281) 530-5656	Phone	(281) 530-5656	H	
Fax	(281) 530-5887	Fax	(281) 530-5887	I	
eMail Address	bethany.agarwal@alsglobal.com	eMail CC		J	

	Sample ID	Matrix	Collection Date 24hr	Bottle	A	B	C	D	E	F	G	H	I	J
-1	1209508-01D (US Oil Pit E)	Sludge	13/Sep/2012 10:40	(1) 4OZGNEAT	X	X								
-2	1209508-02D (US Oil Pit W)	Sludge	13/Sep/2012 11:20	(1) 4OZGNEAT	X	X								

Comments:

Please analyze for reactive cyanide & reactive sulfide. Due on 9/24/12. Send report to bethany.agarwal@alsglobal.com and cc : results to yvan.ty@alsglobal.com

Relinquished by:	Date/Time	Received by:	Date/Time	Cooler IDs	Report/QC Level
	9/17/12 1800		9/18/12 1000		Std
Relinquished by:	Date/Time	Received by:	Date/Time		

1.4°c

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **ALS - HOUSTON** Date/Time Received: **18-Sep-12 10:00**

Work Order: **1209427** Received by: **KRW**

Checklist completed by Keith Wierenga eSignature 18-Sep-12 Date Reviewed by: Bill Carey eSignature 18-Sep-12 Date

Matrices: Sludge
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	1.4 C		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	9/18/2012 10:50:09 AM		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

APPENDIX M

INTERGULF LOAD DISCREPANCY INFORMATION

Shipping Manifest
Intergulf Corporation

74938

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR: (*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: Hiren Phone #: (817) 829-0050

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

3,763.37 bbl

Emergency Contact (817) 829-0050

Quantity in Gallons: ~~3,595 = 27~~

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: Scott Outlaw Golder (Generators Representatives) Title: Senior Project Scientist

Date: 2/21/14

Associates, Inc. Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: 834 / 151

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: Robbie Wallace DOT #: 921807

Signature: Date: 2-21-14

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 149466

Facility Operators Name: Daniel Cottell

Signature: Daniel Cottell Date: 2-21-14

INTERGULF CORPORATION

Intergulf Driver Confirmation / Time Log

Print Date : 2/20/2014

Driver Name : Robbie Wallace

Vessel / Tank:

Load No **149466**

Pick up Information

Generator Name : US EPA REGION 6 US OIL RECOVERY.

Date of Load : 02/21/2014

Pick up Location : 400 N RICHEY, PASADENA, TX 77506

Time of Load : 9:00

Site Contact : Hiren 8178290050

Trucking Information

Carrier : Intergulf Corporation

Type of Equipment : 130 Vac

Truck Number : -834

Trailer Number : 151

Load Information

Material Code : Oily Water

Estimated Qty : 5000

Material Description : Used oil and water from Bioreactor on US oil. (see details on

Manifest Type : Shipping

Delivery Information Intergulf Bayport - 10020 Bayport BLVD Pasadena, Texas 77507

Tank Number :

Delivery / Release Number :

Wash Out : None

Weight Ticket : None

Special Instructions

Please bring paperwork.

Pick up Time Log

Depart for Load : 07:45

Arrive at Location : 08:16

Start Pumping : 08:30

End Pumping : 11:22

Depart Facility : 11:30

Driver Notes : 0800 to 08:10 Wait on train

Delivery Time Log

Arrive Delivery Location : 1200

Start Pumping : 14:52

End Pumping : 1500

Depart Delivery Facility : 15:05

Load Complete : 1600

Driver Notes : 1200 to 1207 Wait outside Bay Port

Weights Gross : _____ Tare : _____ Net : _____

Notes :

Driver Signature : [signature]

Generator Signature : Scott Outwater

Manifest / TCEQ Number : 74938

Golder Associates, Inc
Signatory Agent on
Behalf of U.S. Oil
Recovery Site PRP 6

Page :

Trailer#151

VIN#3R9L224407M001197

THEORICAL CALIBRATION CHART

CUSTOMER: SOUTHWESTERN PNEUMATIC,INC.		JOB ORDER: 4197		DATE: 07/02/2007
MODEL:	TCQ-2EA-R4420	CAPACITY:	5,500 Gallons	VIN: 3R9L224407M001197

INCH	0"	1/4"	1/2"	3/4"	INCH	0"	1/4"	1/2"	3/4"
0	0	3	8	14	57	5526	5536	5545	5553
1	21	29	39	48	58	5560	5566	5571	5574
2	59	70	82	95	59	0			
3	108	121	135	150					
4	165	181	196	213					
5	229	246	264	282					
6	300	318	337	356					
7	376	395	415	436					
8	456	477	498	520					
9	541	563	586	608					
10	631	653	676	700					
11	723	747	771	795					
12	819	844	868	893					
13	918	943	969	994					
14	1020	1046	1072	1098					
15	1124	1151	1177	1204					
16	1231	1258	1285	1312					
17	1340	1367	1395	1423					
18	1450	1478	1506	1535					
19	1563	1591	1620	1648					
20	1677	1711	1734	1763					
21	1792	1821	1850	1879					
22	1909	1936	1967	1997					
23	2026	2086	2115	2128					
24	2145	2175	2205	2234					
25	2264	2294	2324	2354					
26	2384	2414	2444	2475					
27	2505	2535	2565	2595					
28	2626	2656	2686	2716					
29	2747	2777	2807	2837					
30	2868	2898	2928	2958					
31	2989	3019	3049	3079					
32	3109	3140	3170	3200					
33	3230	3260	3290	3320					
34	3350	3380	3409	3439					
35	3469	3499	3528	3558					
36	3587	3617	3646	3676					
37	3705	3734	3763	3792					
38	3821	3850	3879	3908					
39	3937	3965	3994	4022					
40	4050	4070	4098	4126					
41	4154	4181	4209	4236					
42	4264	4291	4318	4345					
43	4372	4398	4425	4451					
44	4478	4504	4530	4556					
45	4581	4607	4632	4657					
46	4682	4707	4732	4756					
47	4780	4804	4828	4852					
48	4875	4899	4922	4944					
49	4967	4989	5011	5033					
50	5055	5076	5097	5118					
51	5139	5159	5179	5199					
52	5218	5237	5256	5275					
53	5293	5311	5328	5345					
54	5362	5378	5394	5409					
55	5424	5439	5454	5468					
56	5479	5492	5504	5515					

Selection Criteria:
Vehicle ID: 834
Proximity Preference: Landmarks
Begin Date: 02/21/14 00:00:00 CST End Date: 02/21/14 23:59:00 CST

Position Time	Location	Ignition	Latitude	Longitude	Speed	Direction
02/21/14 07:38:29 CST	At Intergulf Strang Yard in La Port	On	29.70027	-95.07444	0	North
02/21/14 07:38:33 CST	At Intergulf Strang Yard in La Port	On	29.70027	-95.07444	0	North
02/21/14 07:44:33 CST	At Intergulf Strang Yard in La Port	On	29.69981	-95.07435	9	Southeast
02/21/14 07:49:33 CST	.56 miles WNW of Deer Park, TX	On	29.71162	-95.13958	52	West
02/21/14 07:53:37 CST	2.15 miles SE of Galena Park, TX	On	29.71162	-95.20759	55	West
02/21/14 07:54:33 CST	1.75 miles SE of Galena Park, TX	On	29.71069	-95.21912	28	West
02/21/14 07:59:33 CST	1.42 miles SE of Galena Park, TX	On	29.71597	-95.22000	0	North
02/21/14 08:04:33 CST	1.31 miles SE of Galena Park, TX	On	29.71791	-95.22009	5	Northwest
02/21/14 08:08:46 CST	1.29 miles SE of Galena Park, TX	On	29.71796	-95.22055	0	West
02/21/14 08:09:34 CST	1.30 miles SE of Galena Park, TX	On	29.71791	-95.22050	0	West
02/21/14 08:14:34 CST	1.24 miles SE of Galena Park, TX	On	29.71861	-95.22106	0	North
02/21/14 08:19:34 CST	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	West
02/21/14 08:22:31 CST	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	West
02/21/14 08:24:34 CST	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	West
02/21/14 08:29:34 CST	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	West
02/21/14 08:34:34 CST	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	West
02/21/14 08:37:30 CST	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22148	0	West
02/21/14 08:39:34 CST	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	West
02/21/14 08:44:34 CST	1.19 miles SE of Galena Park, TX	On	29.71916	-95.22148	0	West
02/21/14 08:49:34 CST	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22148	0	West
02/21/14 08:53:01 CST	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22148	0	West
02/21/14 08:54:34 CST	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22148	0	West
02/21/14 08:59:34 CST	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	West
02/21/14 09:04:35 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22143	0	West
02/21/14 09:07:56 CST	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22148	0	West
02/21/14 09:09:35 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22143	0	West
02/21/14 09:14:35 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22143	0	West
02/21/14 09:19:35 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22143	0	West
02/21/14 09:22:45 CST	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22148	0	West
02/21/14 09:24:36 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22143	0	West
02/21/14 09:29:36 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22143	0	West
02/21/14 09:34:36 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22143	0	West
02/21/14 09:37:26 CST	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	West
02/21/14 09:39:36 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22143	0	West
02/21/14 09:44:36 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22143	0	West
02/21/14 09:49:36 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22143	0	West
02/21/14 09:52:47 CST	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	West
02/21/14 09:54:36 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22143	0	West
02/21/14 09:59:37 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22143	0	West
02/21/14 10:04:37 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22143	0	West
02/21/14 10:07:52 CST	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	West
02/21/14 10:09:37 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22143	0	West
02/21/14 10:14:37 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22143	0	West
02/21/14 10:19:37 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22138	0	West
02/21/14 10:22:48 CST	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	West
02/21/14 10:24:37 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22138	0	West
02/21/14 10:29:37 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22138	0	West
02/21/14 10:34:37 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22138	0	West

Selection Criteria:
Vehicle ID: 834
Proximity Preference: Landmarks
Begin Date: 02/21/14 00:00:00 CST End Date: 02/21/14 23:59:00 CST

Position Time	Location	Ignition	Latitude	Longitude	Speed	Direction
02/21/14 10:37:33 CST	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	West
02/21/14 10:37:34 CST	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	West
02/21/14 10:39:37 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22138	0	West
02/21/14 10:44:38 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22138	0	West
02/21/14 10:49:38 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22138	0	West
02/21/14 10:53:03 CST	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	West
02/21/14 10:54:38 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22138	0	West
02/21/14 10:59:38 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22138	0	West
02/21/14 11:04:38 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22138	0	West
02/21/14 11:07:58 CST	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	West
02/21/14 11:09:38 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22138	0	West
02/21/14 11:14:38 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22138	0	West
02/21/14 11:19:38 CST	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22138	0	West
02/21/14 11:23:02 CST	1.29 miles SE of Galena Park, TX	On	29.71791	-95.22083	0	East
02/21/14 11:24:38 CST	1.30 miles SE of Galena Park, TX	On	29.71787	-95.22055	0	East
02/21/14 11:29:38 CST	1.30 miles SE of Galena Park, TX	On	29.71787	-95.22055	0	East
02/21/14 11:34:38 CST	1.37 miles SE of Galena Park, TX	On	29.71685	-95.22004	0	South
02/21/14 11:37:33 CST	1.42 miles SE of Galena Park, TX	On	29.71601	-95.21999	4	South
02/21/14 11:39:38 CST	1.76 miles SSE of Galena Park, TX	On	29.71000	-95.21995	8	South
02/21/14 11:44:39 CST	1.30 miles WNW of Deer Park, TX	On	29.71194	-95.15254	49	East
02/21/14 11:49:39 CST	2.20 miles E of Deer Park, TX	On	29.70013	-95.07898	56	East
02/21/14 11:52:53 CST	1.31 miles N of La Porte, TX	On	29.68787	-95.03601	46	East
02/21/14 11:54:39 CST	At La Porte, TX	On	29.66675	-95.02935	58	South
02/21/14 11:59:39 CST	1.37 miles W of Shoreacres, TX	On	29.62013	-95.04097	29	West
02/21/14 12:04:39 CST	At Intergulf Bayport in Pasadena, T	On	29.61041	-95.05675	0	Northwest
02/21/14 12:07:54 CST	At Intergulf Bayport in Pasadena, T	On	29.61046	-95.05680	0	Northwest
02/21/14 12:09:39 CST	At Intergulf Bayport in Pasadena, T	On	29.61041	-95.05675	0	Northwest
02/21/14 12:14:39 CST	At Intergulf Bayport in Pasadena, T	On	29.61027	-95.05736	0	Southwest
02/21/14 12:19:39 CST	At Intergulf Bayport in Pasadena, T	On	29.61027	-95.05740	0	Southwest
02/21/14 12:22:53 CST	At Intergulf Bayport in Pasadena, T	On	29.61032	-95.05740	0	Southwest
02/21/14 12:29:43 CST	At Intergulf Bayport in Pasadena, T	Off	29.60962	-95.05944	0	Southwest
02/21/14 12:37:34 CST	At Intergulf Bayport in Pasadena, T	Off	29.60962	-95.05944	0	Southwest
02/21/14 12:52:53 CST	At Intergulf Bayport in Pasadena, T	Off	29.60962	-95.05939	0	Southwest
02/21/14 13:07:48 CST	At Intergulf Bayport in Pasadena, T	Off	29.60962	-95.05939	0	Southwest
02/21/14 13:10:33 CST	At Intergulf Bayport in Pasadena, T	On	29.60962	-95.05939	0	Southwest
02/21/14 13:11:45 CST	At Intergulf Bayport in Pasadena, T	Off	29.60986	-95.05949	0	Southwest
02/21/14 13:26:54 CST	At Intergulf Bayport in Pasadena, T	Off	29.60986	-95.05949	0	Southwest
02/21/14 13:37:22 CST	At Intergulf Bayport in Pasadena, T	Off	29.60986	-95.05949	0	Southwest
02/21/14 13:46:53 CST	At Intergulf Bayport in Pasadena, T	Off	29.60986	-95.05949	0	Southwest
02/21/14 14:07:45 CST	At Intergulf Bayport in Pasadena, T	Off	29.60986	-95.05962	0	North
02/21/14 14:22:44 CST	At Intergulf Bayport in Pasadena, T	Off	29.60986	-95.05958	0	North
02/21/14 14:37:38 CST	At Intergulf Bayport in Pasadena, T	Off	29.60986	-95.05958	0	North
02/21/14 14:37:39 CST	At Intergulf Bayport in Pasadena, T	Off	29.60986	-95.05958	0	North
02/21/14 14:39:58 CST	At Intergulf Bayport in Pasadena, T	On	29.60986	-95.05958	0	North
02/21/14 14:47:34 CST	At Intergulf Bayport in Pasadena, T	Off	29.60999	-95.05814	0	Southwest
02/21/14 15:01:13 CST	At Intergulf Bayport in Pasadena, T	On	29.61000	-95.05814	0	Southwest
02/21/14 15:01:30 CST	At Intergulf Bayport in Pasadena, T	On	29.60999	-95.05814	0	Southwest
02/21/14 15:06:13 CST	At Intergulf Bayport in Pasadena, T	On	29.61004	-95.05787	4	Northeast

Shipping Manifest
Intergulf Corporation

76103

P.O. Box 1590 • La Porte, Texas 77572

Telephone: (281) 474-4210 Fax: (281) 474-4226

GENERATOR:

(*All Generator Information Must Be Complete)

Facility Name: US EPA REGION 6 US OIL RECOVERY. Profile # (required) 05171

Facility Address: 400 N RICHEY, PASADENA, TX 77506

Emergency Contact: EJ Phone #: (713) 560-4338

Material Classification (per Material Characterization Form):

or proper shipping name (per 49 CFR 172) Oily Water for Recycle

Emergency Contact (713) 560-4338

Quantity in Gallons: ~~5,000~~ DA 4221

I certify that the material being transferred on this shipment is not a hazardous waste as defined in 40 CFR Part 261, nor does it contain any PCB's or halogenated solvents.

Signature: Matt Dalton (Cobber Associates, Inc. Signatory Agent on Behalf of U.S. Oil Recovery Site PRP Group) (Generators Representatives) Title: Senior Project Scientist Date: 3/24/2014

TRANSPORTER:

Company Name: Intergulf Corporation

Phone #: (281) 474-4210 Truck #: ~~824~~ / 152

EPA I.D. #: TXR000031286 State I.D. #: 39068

Drivers Name: ~~Derrick Askew~~ DOT #: ~~921807~~

Signature: Derrick Askew Date: 3-24-14

RECEIVING FACILITY:

Name: Intergulf Corporation
Address: 10020 Bayport Blvd.
Pasadena, TX 77507
(281) 474-4210

EPA ID # TXR000031286
TCEQ # A85860 – Used Oil or
TCEQ # 39068 – Solid Waste

Intergulf Corporation Job # 151896

Facility Operators Name: James Wilkerson

Signature: Date: 3/24/14

Selection Criteria:
Vehicle ID: 824
Proximity Preference: Landmarks
Begin Date: 03/24/14 00:00:00 CDT End Date: 03/25/14 06:00:00 CDT

Position Time	Location	Ignition	Latitude	Longitude	Speed	Direction
03/24/14 10:14:26 CDT	At Intergulf Strang Yard in La Port	On	29.70037	-95.07509	0	North
03/24/14 10:14:28 CDT	At Intergulf Strang Yard in La Port	On	29.70037	-95.07509	0	North
03/24/14 10:19:58 CDT	2.44 miles NNW of Lomax, TX	On	29.69754	-95.06699	20	South
03/24/14 10:24:58 CDT	At La Porte, TX	On	29.66657	-95.02939	55	South
03/24/14 10:29:27 CDT	1.18 miles W of Shoreacres, TX	On	29.62018	-95.03773	24	West
03/24/14 10:44:09 CDT	At Intergulf Bayport in Pasadena, T	Off	29.60962	-95.05935	0	Southwest
03/24/14 10:59:13 CDT	At Intergulf Bayport in Pasadena, T	Off	29.60962	-95.05935	0	Southwest
03/24/14 11:13:08 CDT	At Intergulf Bayport in Pasadena, T	Off	29.60962	-95.05935	0	Southwest
03/24/14 11:28:33 CDT	At Intergulf Bayport in Pasadena, T	Off	29.60962	-95.05935	0	Southwest
03/24/14 11:43:33 CDT	At Intergulf Bayport in Pasadena, T	Off	29.60962	-95.05939	0	Southwest
03/24/14 11:58:33 CDT	At Intergulf Bayport in Pasadena, T	Off	29.60962	-95.05939	0	Southwest
03/24/14 11:58:46 CDT	At Intergulf Bayport in Pasadena, T	On	29.60962	-95.05939	0	Southwest
03/24/14 12:00:44 CDT	At Intergulf Bayport in Pasadena, T	Off	29.60981	-95.05953	0	Southwest
03/24/14 12:13:14 CDT	At Intergulf Bayport in Pasadena, T	Off	29.60981	-95.05953	0	Southwest
03/24/14 12:28:19 CDT	At Intergulf Bayport in Pasadena, T	Off	29.60981	-95.05953	0	Southwest
03/24/14 12:43:35 CDT	At Intergulf Bayport in Pasadena, T	Off	29.60976	-95.05953	0	Southwest
03/24/14 12:58:34 CDT	At Intergulf Bayport in Pasadena, T	Off	29.60976	-95.05953	0	Southwest
03/24/14 13:13:14 CDT	At Intergulf Bayport in Pasadena, T	Off	29.60976	-95.05949	0	Southwest
03/24/14 13:21:44 CDT	At Intergulf Bayport in Pasadena, T	On	29.60981	-95.05949	0	Southwest
03/24/14 13:24:17 CDT	At Intergulf Bayport in Pasadena, T	Off	29.60999	-95.05842	0	Northeast
03/24/14 13:39:17 CDT	At Intergulf Bayport in Pasadena, T	Off	29.60995	-95.05847	0	Northeast
03/24/14 13:45:57 CDT	At Intergulf Bayport in Pasadena, T	On	29.60995	-95.05847	0	Northeast
03/24/14 13:46:36 CDT	At Intergulf Bayport in Pasadena, T	On	29.60990	-95.05847	0	Southwest
03/24/14 13:52:06 CDT	1.96 miles WSW of Shoreacres, TX	On	29.61060	-95.04935	25	Northeast
03/24/14 13:57:06 CDT	.22 miles SSE of La Porte, TX	On	29.65199	-95.02986	53	North
03/24/14 14:00:58 CDT	1.72 miles NNW of La Porte, TX	On	29.69138	-95.04888	58	West
03/24/14 14:02:26 CDT	2.54 miles E of Deer Park, TX	On	29.69893	-95.07328	37	West
03/24/14 14:07:57 CDT	At Intergulf Strang Yard in La Port	On	29.70120	-95.07486	0	North
03/24/14 14:12:57 CDT	At Intergulf Strang Yard in La Port	On	29.70203	-95.07574	23	West
03/24/14 14:13:19 CDT	2.28 miles E of Deer Park, TX	On	29.70199	-95.07726	32	West
03/24/14 14:18:27 CDT	1.06 miles WNW of Deer Park, TX	On	29.71199	-95.14842	60	West
03/24/14 14:23:37 CDT	1.51 miles SE of Galena Park, TX	On	29.71435	-95.22000	18	North
03/24/14 14:28:37 CDT	1.24 miles SE of Galena Park, TX	On	29.71851	-95.22111	3	North
03/24/14 14:28:39 CDT	1.25 miles SE of Galena Park, TX	On	29.71837	-95.22111	4	North
03/24/14 14:33:37 CDT	1.20 miles SE of Galena Park, TX	On	29.71912	-95.22138	0	Southwest
03/24/14 14:48:28 CDT	1.21 miles SE of Galena Park, TX	On	29.71898	-95.22138	0	North
03/24/14 14:53:58 CDT	1.20 miles SE of Galena Park, TX	On	29.71907	-95.22143	0	North
03/24/14 14:58:39 CDT	1.20 miles SE of Galena Park, TX	On	29.71912	-95.22143	0	North
03/24/14 14:58:58 CDT	1.20 miles SE of Galena Park, TX	On	29.71912	-95.22143	0	North
03/24/14 15:03:58 CDT	1.20 miles SE of Galena Park, TX	On	29.71912	-95.22143	0	North
03/24/14 15:08:58 CDT	1.20 miles SE of Galena Park, TX	On	29.71912	-95.22143	0	North
03/24/14 15:13:20 CDT	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22143	0	North
03/24/14 15:14:48 CDT	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22138	0	North
03/24/14 15:19:49 CDT	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22143	0	North
03/24/14 15:24:49 CDT	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22143	0	North
03/24/14 15:28:39 CDT	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	North
03/24/14 15:30:09 CDT	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22143	0	North
03/24/14 15:35:09 CDT	1.20 miles SE of Galena Park, TX	On	29.71921	-95.22138	0	North

Selection Criteria:
Vehicle ID: 824
Proximity Preference: Landmarks
Begin Date: 03/24/14 00:00:00 CDT End Date: 03/25/14 06:00:00 CDT

Position Time	Location	Ignition	Latitude	Longitude	Speed	Direction
03/24/14 15:40:09 CDT	1.20 miles SE of Galena Park, TX	On	29.71921	-95.22138	0	North
03/24/14 15:43:40 CDT	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	North
03/24/14 15:45:09 CDT	1.20 miles SE of Galena Park, TX	On	29.71921	-95.22138	0	North
03/24/14 15:50:09 CDT	1.20 miles SE of Galena Park, TX	On	29.71921	-95.22138	0	North
03/24/14 15:55:09 CDT	1.20 miles SE of Galena Park, TX	On	29.71921	-95.22138	0	North
03/24/14 15:58:46 CDT	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	North
03/24/14 16:01:09 CDT	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22143	0	North
03/24/14 16:06:39 CDT	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	North
03/24/14 16:13:30 CDT	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	North
03/24/14 16:13:38 CDT	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	North
03/24/14 16:19:30 CDT	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	North
03/24/14 16:27:20 CDT	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22138	0	North
03/24/14 16:29:01 CDT	1.19 miles SE of Galena Park, TX	On	29.71921	-95.22143	0	North
03/24/14 16:32:20 CDT	1.20 miles SE of Galena Park, TX	On	29.71916	-95.22134	4	East
03/24/14 16:38:00 CDT	1.27 miles SE of Galena Park, TX	On	29.71805	-95.22106	3	North
03/24/14 16:43:00 CDT	2.38 miles SE of Galena Park, TX	On	29.71180	-95.20236	52	East
03/24/14 16:44:01 CDT	At Pasadena, TX	On	29.71287	-95.18976	57	East
03/24/14 16:48:20 CDT	.02 miles NE of Deer Park, TX	On	29.71111	-95.11838	62	East
03/24/14 16:53:21 CDT	1.31 miles N of La Porte, TX	On	29.68787	-95.03657	48	East
03/24/14 16:58:21 CDT	.17 miles SSE of La Porte, TX	On	29.65250	-95.03083	0	Southwest
03/24/14 16:59:01 CDT	.17 miles SSE of La Porte, TX	On	29.65249	-95.03083	0	Southwest
03/24/14 17:03:21 CDT	.17 miles SSE of La Porte, TX	On	29.65245	-95.03078	0	Southwest
03/24/14 17:08:21 CDT	.17 miles SSE of La Porte, TX	On	29.65245	-95.03078	0	Southwest
03/24/14 17:13:21 CDT	.16 miles SSE of La Porte, TX	On	29.65231	-95.03231	19	West
03/24/14 17:13:37 CDT	.16 miles SSE of La Porte, TX	On	29.65231	-95.03249	20	West
03/24/14 17:25:33 CDT	At Intergulf Bayport in Pasadena, T	Off	29.60967	-95.05944	0	Southwest
03/24/14 17:40:32 CDT	At Intergulf Bayport in Pasadena, T	Off	29.60967	-95.05944	0	Southwest
03/24/14 17:55:02 CDT	At Intergulf Bayport in Pasadena, T	On	29.60963	-95.05939	0	Southwest
03/24/14 17:55:36 CDT	At Intergulf Bayport in Pasadena, T	On	29.60967	-95.05944	0	Southwest
03/24/14 18:00:22 CDT	At Intergulf Bayport in Pasadena, T	On	29.60963	-95.05939	0	Southwest
03/24/14 18:05:22 CDT	At Intergulf Bayport in Pasadena, T	On	29.60963	-95.05939	0	Southwest
03/24/14 18:09:43 CDT	At Intergulf Bayport in Pasadena, T	On	29.60967	-95.05944	0	Southwest
03/24/14 18:13:27 CDT	At Intergulf Bayport in Pasadena, T	On	29.60958	-95.05939	0	Southwest
03/24/14 18:14:02 CDT	At Intergulf Bayport in Pasadena, T	On	29.60953	-95.05939	0	Southwest
03/24/14 18:19:42 CDT	At Intergulf Bayport in Pasadena, T	On	29.60953	-95.05944	0	Southwest
03/24/14 18:25:12 CDT	At Intergulf Bayport in Pasadena, T	On	29.60953	-95.05944	0	Southwest
03/24/14 18:29:07 CDT	At Intergulf Bayport in Pasadena, T	On	29.60958	-95.05944	0	Southwest
03/24/14 18:30:20 CDT	At Intergulf Bayport in Pasadena, T	On	29.60958	-95.05944	0	Southwest
03/24/14 18:34:35 CDT	At Intergulf Bayport in Pasadena, T	Off	29.61018	-95.05763	0	Northeast
03/24/14 18:49:34 CDT	At Intergulf Bayport in Pasadena, T	Off	29.61023	-95.05763	0	Northeast
03/24/14 19:04:35 CDT	At Intergulf Bayport in Pasadena, T	Off	29.61018	-95.05763	0	Northeast
03/24/14 19:09:53 CDT	At Intergulf Bayport in Pasadena, T	On	29.61018	-95.05763	0	Northeast
03/24/14 19:10:07 CDT	At Intergulf Bayport in Pasadena, T	On	29.61023	-95.05763	0	Northeast
03/24/14 19:13:44 CDT	At Intergulf Bayport in Pasadena, T	On	29.61018	-95.05763	0	Northeast
03/24/14 19:14:53 CDT	At Intergulf Bayport in Pasadena, T	On	29.61018	-95.05763	0	Northeast
03/24/14 19:20:03 CDT	At Intergulf Bayport in Pasadena, T	On	29.61004	-95.05796	0	Southwest
03/24/14 19:25:03 CDT	At Intergulf Bayport in Pasadena, T	On	29.61009	-95.05782	3	Northeast
03/24/14 19:29:07 CDT	1.51 miles W of Shoreacres, TX	On	29.61935	-95.04324	29	Northeast

Selection Criteria:
Vehicle ID: 824
Proximity Preference: Landmarks
Begin Date: 03/24/14 00:00:00 CDT End Date: 03/25/14 06:00:00 CDT

Position Time	Location	Ignition	Latitude	Longitude	Speed	Direction
03/24/14 19:30:03 CDT	.94 miles W of Shoreacres, TX	On	29.61949	-95.03370	17	East
03/24/14 19:35:03 CDT	1.09 miles N of La Porte, TX	On	29.68435	-95.03004	53	North
03/24/14 19:44:01 CDT	At Intergulf Strang Yard in La Port	Off	29.70023	-95.07449	0	East
03/24/14 19:44:07 CDT	At Intergulf Strang Yard in La Port	On	29.70023	-95.07449	0	East
03/24/14 19:59:48 CDT	At Intergulf Strang Yard in La Port	Off	29.70023	-95.07449	0	East
03/24/14 20:13:49 CDT	At Intergulf Strang Yard in La Port	Off	29.70023	-95.07449	0	East
03/24/14 20:29:03 CDT	At Intergulf Strang Yard in La Port	Off	29.70023	-95.07449	0	East
03/24/14 20:44:18 CDT	At Intergulf Strang Yard in La Port	Off	29.70023	-95.07449	0	East
03/24/14 20:59:18 CDT	At Intergulf Strang Yard in La Port	Off	29.70023	-95.07449	0	East
03/24/14 21:13:48 CDT	At Intergulf Strang Yard in La Port	Off	29.70023	-95.07449	0	East
03/24/14 21:29:09 CDT	At Intergulf Strang Yard in La Port	Off	29.70023	-95.07449	0	East
03/24/14 21:44:09 CDT	At Intergulf Strang Yard in La Port	Off	29.70023	-95.07449	0	East
03/24/14 21:59:09 CDT	At Intergulf Strang Yard in La Port	Off	29.70023	-95.07449	0	East
03/24/14 22:13:49 CDT	At Intergulf Strang Yard in La Port	Off	29.70023	-95.07453	0	East
03/24/14 22:29:09 CDT	At Intergulf Strang Yard in La Port	Off	29.70018	-95.07453	0	East
03/24/14 22:44:09 CDT	At Intergulf Strang Yard in La Port	Off	29.70018	-95.07453	0	East
03/24/14 22:59:10 CDT	At Intergulf Strang Yard in La Port	Off	29.70018	-95.07453	0	East
03/24/14 23:13:50 CDT	At Intergulf Strang Yard in La Port	Off	29.70023	-95.07449	0	East
03/24/14 23:29:10 CDT	At Intergulf Strang Yard in La Port	Off	29.70023	-95.07449	0	East
03/24/14 23:44:09 CDT	At Intergulf Strang Yard in La Port	Off	29.70023	-95.07449	0	East

** END OF REPORT **

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Trailer#152 VIN#1Z9241529712588885

Calibration Chart

Customer: 130 Bbl. Str. Rnd. Vacuum Semi Trailer
Date: 07-08-1998 Time: 21:42:51
Total Length of Round Tank with ASME F & D Heads = 489.8 in.
Tank Diameter = 58.75 in. Inside Head Diameter = 58.25 in.
Dish Radius = 58 in.
Knuckle Radius = 3.5 in.
Depth of Dish = 9.900006 in.
Dish Height = 6.811014 in.

0.25 inches	=	3.7 gallons
0.50 inches	=	8.8 gallons
0.75 inches	=	14.2 gallons
1.00 inches	=	21.0 gallons
1.25 inches	=	29.8 gallons
1.50 inches	=	38.5 gallons
1.75 inches	=	48.7 gallons
2.00 inches	=	59.7 gallons
2.25 inches	=	70.8 gallons
2.50 inches	=	84.5 gallons
2.75 inches	=	94.4 gallons
3.00 inches	=	109.5 gallons
3.25 inches	=	123.5 gallons
3.50 inches	=	136.1 gallons
3.75 inches	=	150.3 gallons
4.00 inches	=	165.9 gallons
4.25 inches	=	182.8 gallons
4.50 inches	=	197.8 gallons
4.75 inches	=	213.9 gallons
5.00 inches	=	231.1 gallons
5.25 inches	=	246.2 gallons
5.50 inches	=	265.3 gallons
5.75 inches	=	282.3 gallons
6.00 inches	=	300.1 gallons
6.25 inches	=	318.7 gallons
6.50 inches	=	338.1 gallons
6.75 inches	=	358.1 gallons
7.00 inches	=	375.9 gallons
7.25 inches	=	397.3 gallons
7.50 inches	=	416.4 gallons
7.75 inches	=	436.0 gallons
8.00 inches	=	459.3 gallons
8.25 inches	=	480.1 gallons
8.50 inches	=	501.4 gallons

Trailer#152

9.00 inches	=	542.5 gallons
9.25 inches	=	565.3 gallons
9.50 inches	=	588.7 gallons
9.75 inches	=	609.4 gallons
10.00 inches	=	633.6 gallons
10.25 inches	=	655.3 gallons
10.50 inches	=	680.4 gallons
10.75 inches	=	702.8 gallons
11.00 inches	=	725.6 gallons
11.25 inches	=	752.0 gallons
11.50 inches	=	775.7 gallons
11.75 inches	=	799.7 gallons
12.00 inches	=	824.0 gallons
12.25 inches	=	848.6 gallons
12.50 inches	=	873.5 gallons
12.75 inches	=	898.8 gallons
13.00 inches	=	924.4 gallons
13.25 inches	=	950.2 gallons
13.50 inches	=	973.3 gallons
13.75 inches	=	999.8 gallons
14.00 inches	=	1,026.6 gallons
14.25 inches	=	1,053.8 gallons
14.50 inches	=	1,078.1 gallons
14.75 inches	=	1,105.6 gallons
15.00 inches	=	1,133.4 gallons
15.25 inches	=	1,158.3 gallons
15.50 inches	=	1,186.6 gallons
15.75 inches	=	1,212.0 gallons
16.00 inches	=	1,240.8 gallons
16.25 inches	=	1,266.7 gallons
16.50 inches	=	1,295.9 gallons
16.75 inches	=	1,322.3 gallons
17.00 inches	=	1,348.9 gallons
17.25 inches	=	1,378.8 gallons
17.50 inches	=	1,405.8 gallons
17.75 inches	=	1,432.9 gallons
18.00 inches	=	1,463.2 gallons
18.25 inches	=	1,490.6 gallons
18.50 inches	=	1,518.2 gallons
18.75 inches	=	1,546.0 gallons
19.00 inches	=	1,577.1 gallons
19.25 inches	=	1,605.3 gallons
19.50 inches	=	1,633.6 gallons
19.75 inches	=	1,662.1 gallons
20.00 inches	=	1,690.8 gallons
20.25 inches	=	1,722.7 gallons
20.50 inches	=	1,751.6 gallons
20.75 inches	=	1,780.6 gallons
21.00 inches	=	1,809.6 gallons

21.25 inches	=	1,898.9 gallons
21.50 inches	=	1,968.0 gallons
21.75 inches	=	1,597.6 gallons
22.00 inches	=	1,927.3 gallons
22.25 inches	=	1,957.1 gallons
22.50 inches	=	1,987.0 gallons
22.75 inches	=	2,016.9 gallons
23.00 inches	=	2,046.8 gallons
23.25 inches	=	2,076.9 gallons
23.50 inches	=	2,107.1 gallons
23.75 inches	=	2,137.4 gallons
24.00 inches	=	2,167.8 gallons
24.25 inches	=	2,198.3 gallons
24.50 inches	=	2,228.7 gallons
24.75 inches	=	2,259.2 gallons
25.00 inches	=	2,289.8 gallons
25.25 inches	=	2,320.4 gallons
25.50 inches	=	2,351.1 gallons
25.75 inches	=	2,381.8 gallons
26.00 inches	=	2,412.6 gallons
26.25 inches	=	2,440.4 gallons
26.50 inches	=	2,471.3 gallons
26.75 inches	=	2,502.2 gallons
27.00 inches	=	2,533.4 gallons
27.25 inches	=	2,564.5 gallons
27.50 inches	=	2,595.6 gallons
27.75 inches	=	2,626.6 gallons
28.00 inches	=	2,657.7 gallons
28.25 inches	=	2,688.9 gallons
28.50 inches	=	2,717.1 gallons
28.75 inches	=	2,748.8 gallons
29.00 inches	=	2,780.5 gallons
29.25 inches	=	2,812.2 gallons
29.50 inches	=	2,844.0 gallons
29.75 inches	=	2,875.3 gallons
30.00 inches	=	2,906.5 gallons
30.25 inches	=	2,937.7 gallons
30.50 inches	=	2,965.7 gallons
30.75 inches	=	2,996.8 gallons
31.00 inches	=	3,028.0 gallons
31.25 inches	=	3,059.3 gallons
31.50 inches	=	3,090.3 gallons
31.75 inches	=	3,121.3 gallons
32.00 inches	=	3,152.3 gallons
32.25 inches	=	3,183.1 gallons
32.50 inches	=	3,214.0 gallons
32.75 inches	=	3,241.8 gallons
33.00 inches	=	3,272.6 gallons
33.25 inches	=	3,303.3 gallons
33.50 inches	=	3,333.9 gallons

33.75 inches	=	3,364.6 gallons
34.00 inches	=	3,395.2 gallons
34.25 inches	=	3,425.8 gallons
34.50 inches	=	3,456.4 gallons
34.75 inches	=	3,485.8 gallons
35.00 inches	=	3,517.1 gallons
35.25 inches	=	3,547.3 gallons
35.50 inches	=	3,577.5 gallons
35.75 inches	=	3,607.6 gallons
36.00 inches	=	3,637.7 gallons
36.25 inches	=	3,667.7 gallons
36.50 inches	=	3,697.6 gallons
36.75 inches	=	3,727.2 gallons
37.00 inches	=	3,756.6 gallons
37.25 inches	=	3,786.0 gallons
37.50 inches	=	3,815.4 gallons
37.75 inches	=	3,844.6 gallons
38.00 inches	=	3,873.8 gallons
38.25 inches	=	3,902.9 gallons
38.50 inches	=	3,931.7 gallons
38.75 inches	=	3,963.5 gallons
39.00 inches	=	3,992.2 gallons
39.25 inches	=	4,020.7 gallons
39.50 inches	=	4,048.9 gallons
39.75 inches	=	4,077.0 gallons
40.00 inches	=	4,107.9 gallons
40.25 inches	=	4,135.7 gallons
40.50 inches	=	4,163.3 gallons
40.75 inches	=	4,190.8 gallons
41.00 inches	=	4,221.2 gallons
41.25 inches	=	4,248.4 gallons
41.50 inches	=	4,275.3 gallons
41.75 inches	=	4,305.1 gallons
42.00 inches	=	4,331.7 gallons
42.25 inches	=	4,358.0 gallons
42.50 inches	=	4,387.2 gallons
42.75 inches	=	4,413.0 gallons
43.00 inches	=	4,441.7 gallons
43.25 inches	=	4,467.1 gallons
43.50 inches	=	4,495.3 gallons
43.75 inches	=	4,520.3 gallons
44.00 inches	=	4,548.2 gallons
44.25 inches	=	4,575.8 gallons
44.50 inches	=	4,600.0 gallons
44.75 inches	=	4,627.0 gallons
45.00 inches	=	4,653.7 gallons
45.25 inches	=	4,680.1 gallons
45.50 inches	=	4,703.2 gallons
45.75 inches	=	4,729.1 gallons
46.00 inches	=	4,754.6 gallons

46.25	inches	=	4,779.9 gallons
46.50	inches	=	4,804.9 gallons
46.75	inches	=	4,829.6 gallons
47.00	inches	=	4,853.9 gallons
47.25	inches	=	4,877.8 gallons
47.50	inches	=	4,901.4 gallons
47.75	inches	=	4,927.6 gallons
48.00	inches	=	4,950.4 gallons
48.25	inches	=	4,972.9 gallons
48.50	inches	=	4,997.9 gallons
48.75	inches	=	5,019.5 gallons
49.00	inches	=	5,043.6 gallons
49.25	inches	=	5,064.3 gallons
49.50	inches	=	5,087.6 gallons
49.75	inches	=	5,110.4 gallons
50.00	inches	=	5,129.7 gallons
50.25	inches	=	5,151.5 gallons
50.50	inches	=	5,172.8 gallons
50.75	inches	=	5,193.6 gallons
51.00	inches	=	5,216.9 gallons
51.25	inches	=	5,236.5 gallons
51.50	inches	=	5,255.5 gallons
51.75	inches	=	5,276.9 gallons
52.00	inches	=	5,294.6 gallons
52.25	inches	=	5,314.7 gallons
52.50	inches	=	5,334.0 gallons
52.75	inches	=	5,352.5 gallons
53.00	inches	=	5,370.3 gallons
53.25	inches	=	5,387.2 gallons
53.50	inches	=	5,406.3 gallons
53.75	inches	=	5,421.4 gallons
54.00	inches	=	5,438.5 gallons
54.25	inches	=	5,454.7 gallons
54.50	inches	=	5,469.7 gallons
54.75	inches	=	5,486.6 gallons
55.00	inches	=	5,502.1 gallons
55.25	inches	=	5,516.2 gallons
55.50	inches	=	5,528.7 gallons
55.75	inches	=	5,542.6 gallons
56.00	inches	=	5,557.7 gallons
56.25	inches	=	5,567.7 gallons
56.50	inches	=	5,581.4 gallons
56.75	inches	=	5,592.4 gallons
57.00	inches	=	5,603.4 gallons
57.25	inches	=	5,613.6 gallons
57.50	inches	=	5,622.3 gallons
57.75	inches	=	5,631.1 gallons
58.75	inches	=	5,648.8 gallons