SEMS-RM DOCID # 1191990

JOHNSON CONTROLS

Facility Investigation Report Addendum

Prepared for:
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July 2006

1550 East Kimberly Avenue
Fullerton, California

ENTACT
environmental services

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NGSC-GLU004724

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INTRODUCTION 1.0

This *Facility Investigation Report Addendum* describes supplemental investigation activities conducted at the Johnson Controls Battery Group, Inc. (JCI) facility located at 1550 East Kimberly Avenue in Fullerton, California. The subject property was historically used for the fabrication of lead acid batteries. A site assessment and investigation were performed as a voluntary action in 2005 to establish current conditions and evaluate possible influence from historical operations. Reports describing the current conditions of the subject property were prepared for an impending real estate transaction and submitted to the Department of Toxic Substances and Control (DTSC) on November 3, 2005. The DTSC has been determined to be the lead regulatory agency due to the Tier 1 Permit by Rule issued in 1993 for wastewater treatment operations at the facility, EPA Id. CAD00823388.

Based on the current conditions and future plans for redevelopment, an additional site investigation was required to assess the nature and extent of regulated chemicals in unsaturated soil beneath the property. A *Facility Investigation Workplan* describing these investigation activities was submitted to DTSC on January 24, 2006, for subsequent approval with minor modifications. These site investigation activities are being performed pursuant to a Corrective Action Consent Agreement signed on February 2, 2006.

The soil investigation activities were implemented, and a *Facility Investigation Report* containing the findings of the investigation was submitted to DTSC on March 22, 2006. The *Facility Investigation Report* determined that additional investigation was needed for further delienation of organic constituents identified in the southeast portion of the subject property.

Additional investigations were conducted in a staged approach in April and June 2006, with notification and prior approval from DTSC. The findings of these supplemental investigations are included herein as an addendum to the overall *Facility Investigation Report*. This addendum report should be used in conjunction with the *Facility Investigation Report*.

Subject Property Description and Characteristics

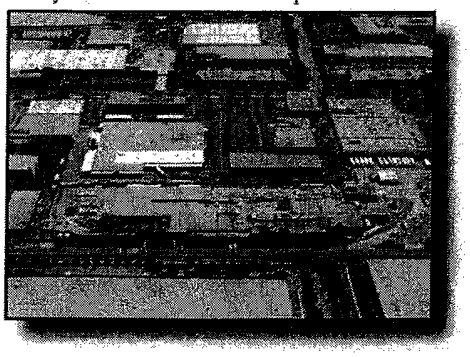
Location

The subject property is located several blocks northeast of the intersection formed by North Raymond Avenue and East Orangethorpe Avenue in the City of Fullerton. The subject property is an "L" shaped parcel with Kimberly Avenue bordering the north property line. The area immediately surrounding the site has been used for industrial purposes since the late 1950s. Prior to this time, the area was used for agricultural purposes.

The subject property consists of a main production building, a maintenance building, and parking areas. The majority of the subject property is paved with either concrete or asphalt. Several abandoned railroad spurs traverse the property from north to south feeding into a railroad line, operated by Atchison Topeka & Santa Fe, oriented parallel with East Kimberly Avenue. Access to the site is restricted with perimeter fencing and security.

Site History

The subject property was owned by Standard Products during its initial development in 1956. Historical drawings indicate that the original building was expanded on the south side in the early 1960s. Globe Union purchased the



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facility in the mid-1960s for battery manufacturing operations and subsequently expanded the main building in 1972. Johnson Controls, Inc. initiated an acquisition and merger with Globe Union in 1978. Johnson Controls, Inc. conducted similar operations and performed another facility expansion in 1980. Johnson Controls, Inc. continued operations and formed a separate subsidiary, Johnson Controls Battery Group, Inc., in 1990 for its battery division operations. During both reconstruction periods, the facility expansions extended from the east towards the west. The facility appears to have maintained its current configuration since the 1980s although internal production procedures have been modified over time. Refer to Figure 1-1 for facility layout diagrams.

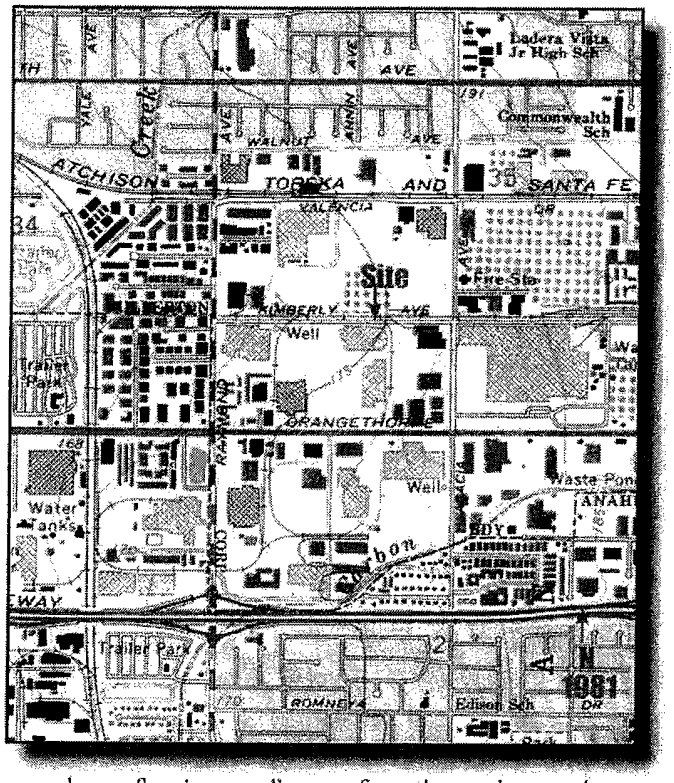
Physical Setting

Topography

According to the United States Geologic Survey (USGS) topographic map of the Anaheim Quadrangle, dated 1978, the topography of the subject property and the immediate vicinity is relatively flat with an elevation of approximately 177 feet above mean sea level. The area topography exhibits a gentle regional slope toward the west and southwest. Surface water flow at the subject property is to the north towards a storm sewer line. Carbon Creek, located 0.5 mile south of the site, is the nearest natural surface drainage to the site that receives surface runoff from the local area. Surface waters from Carbon Creek appear to flow to the southwest into the Raymond Retarding Basin.

Regional Geology

The subject property is located in the Coastal Plain Basin of Orange County. The basin is bounded by the Puente Hills to the north, the Santa Ana Mountains to the east, the San Joaquin Hills to the south, and the Pacific Ocean to the west. The basin has been filled with alluvium deposited by streams and sheet flow from the erosion of the surrounding hills and mountains. The surrounding area is highly industrialized and the United States Department of Agriculture's Soil Conservation Service has classified the surface soil type as Urban Land. Native subsurface sediments are composed of poorly graded gravel, overlying interbedded clay and silt. The regional



groundwater flow is generally away from the northern and eastern perimeters of the basin.

According to Orange County Water District information, a principle aquifer zone is present at a depth of approximately 115 to 125 feet below ground surface (bgs) in the vicinity of the subject property, and the groundwater flow direction is to the west-northwest. Observation wells have been installed by the Orange County Water District into this water bearing zone within the City of Fullerton and City of Anaheim to monitor groundwater quality. One of these observation wells was installed in 1992 by the Orange County Water District in the southwest corner of the subject property. This observation well, FM-5, is screened from 121 to 141 feet bgs and monitored by the District to assess the quality of groundwater within the region. Refer to Appendix A for regional groundwater quality information.

A public water supply well, F-KIM1A, also exists near the northwest corner of the subject property. This production

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well was installed in 2002 near the northwest corner of the subject property and contains multiple screened intervals from 500 to 1225 feet bgs.

Site Vicinity Characteristics

The properties surrounding the subject property consists of commercial, light industrial and industrial use properties. East Kimberly Avenue, with an adjacent railroad line, borders the north property line. Carolina Logistics Services, a distributor for Albertsons grocery stores, occupies the parcel beyond the railroad spur. Specialty Extrusions borders the east property line with Yokohama, Plastic Color, and Kimberly Clark facilities beyond. A vacant warehouse, Nelco (a pallet manufacturer), and furniture company border the south property line. A vacant warehouse borders the west property line.

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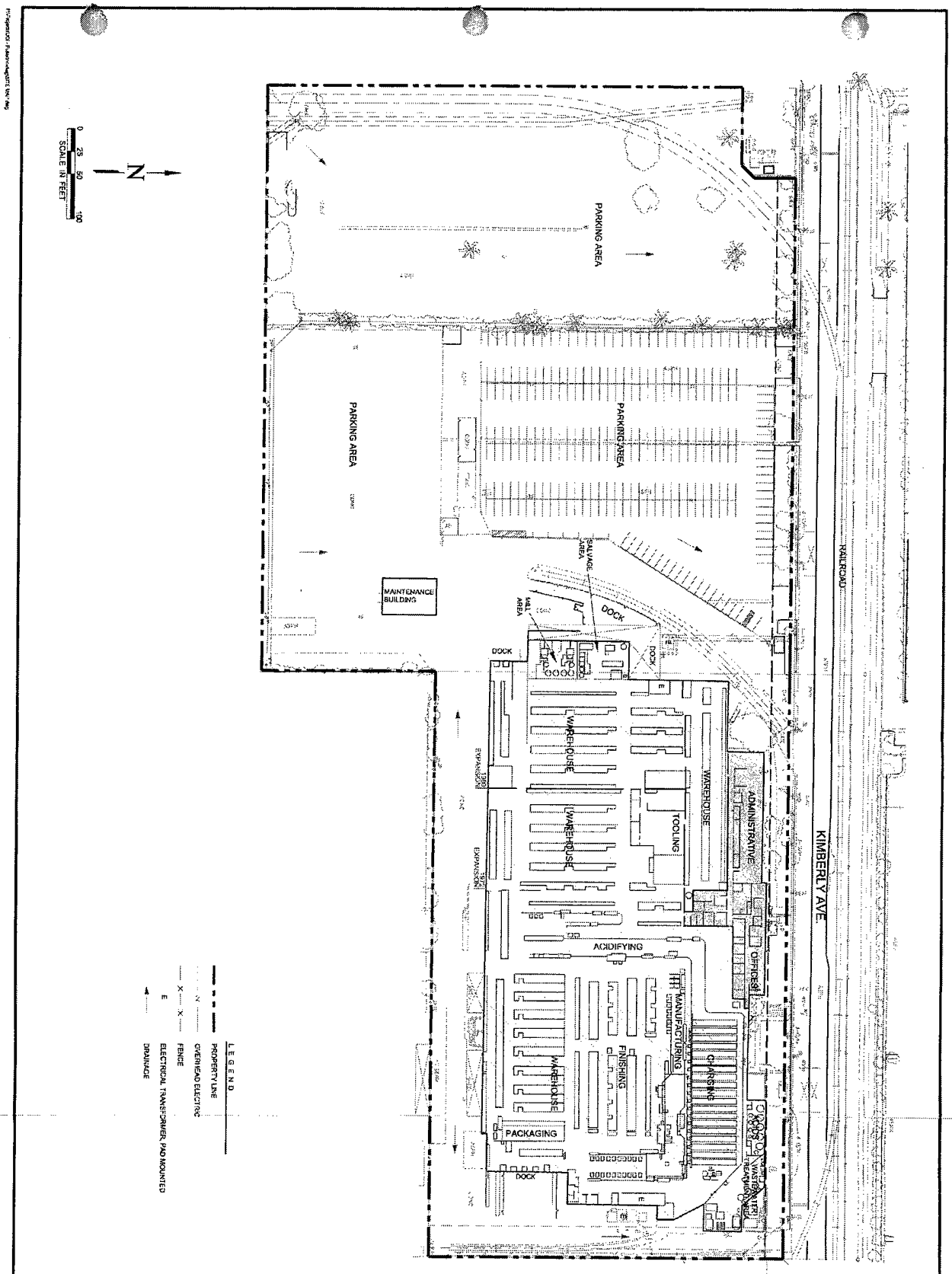

FACILITY LAYOUT DIAGRAM

JOHNSON CONTROLS, INC.
FULLERTON, CA

FIGURE 1-1

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SUPPLEMENTAL FACILITY INVESTIGATION ACTIVITIES 2.0

This *Facility Investigation Report Addendum* describes supplemental investigation activities conducted at the facility located at 1550 East Kimberly Avenue in Fullerton, California. The purpose of these investigations was to further evaluate the vertical and horizontal extent of organic constituents of concern identified during previous investigations. These facility investigation activities were conducted in preparation for future industrial redevelopment.

Scope of Work

Based on the current conditions and available historical information, an additional site investigation was required to fully assess the nature and extent of regulated chemicals in unsaturated soil beneath the property. The following activities were included as part of the supplemental facility investigation:

- Prepare and implement a site specific health and safety plan;
- Conduct site preparation activities;
- Advance additional soil borings and install groundwater monitor wells to evaluate subsurface conditions in the southeast portion of the property;
- Survey monitor well locations to further define groundwater gradient;
- Collect soil and groundwater samples for volatile organic compound analysis; and
- Prepare a *Facility Investigation Report Addendum* for DTSC review.

Site Preparation

Prior to implementing soil sampling and soil gas surveying, ENTACT conducted site preparation activities with regard to health & safety, utility identification, and sample location demarcation.

Health and Safety Plan

ENTACT prepared a Health and Safety Plan (HASP) specific to site characterization activities and site conditions. A copy of this HASP was included in the *Facility Investigation Workplan*. The HASP was consistent with OSHA regulations, particularly in 29 CFR 1910 and 1926, and NIOSH guidance. All personnel involved in site investigation activities were required to understand and acknowledge essential elements of the HASP prior to commencement of activities. In accordance with the HASP, an orientation session was conducted each morning while onsite with all ENTACT associates and subcontractors.

Utility Identification

ENTACT contacted Dig Alert (800.227.2600) a minimum of 72 hours prior to initiating field activities to demarcate utilities, as applicable. Each utility was identified with individual flags, signs, paint or other devices.

Sample Locations

ENTACT positioned each sample location as identified in the *Facility Investigation Workplan* addendum submittals with any adjustments, as needed, in the field due to utilities, obstructions, or plant activities.

Site Investigation Activities

A total of 10 addtional soil borings, SB128 through SB135, MW-1, and MW-2, were advanced during the facility investigation. These borings were advanced to a depth ranging from of 80 to 120 feet below ground surface (bgs). A total of two soil borings were completed as groundwater monitor wells. Refer to Figure 2-1 for soil boring and monitor well locations.

Soil Assessment

Soil samples were continuously collected to a total depth ranging from 80 to 120 feet bgs for laboratory analyses. Drilling was conducted using direct-push technology during the April 2006 investigation, and a CME-95 hollow stem auger rig was used during the June 2006 event. Drilling rigs were operated by State of California licensed water well drillers

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including Core Probe (Irwindale, CA) License 772519 and WDC Exploration (Mont Clair, CA) License 283326. Drilling was conducted under Permits 06-06-20 and 06-03-40.

The direct-push rig was equipped with a dual tube sampling system which allowed for continuous soil sampling with the benefit of a cased borehole to minimize the potential for cross-contamination. One set of sampling rods were driven into the ground as an outer casing. A second, smaller set of rods was driven through the outer casing to allow for collection of soil samples. Direct-push technology was used on soil borings SB128, SB129, and SB130. Soil samples were retrieved in sampling rods lined with disposable acetate liners.

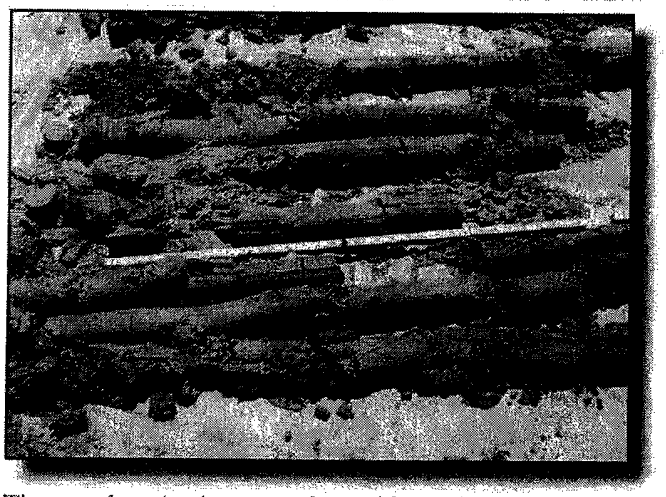
A hollow-stem auger drilling rig was used for soil borings SB131 through SB135 and monitor well borings MW-1 and MW-2. Soils collected from all soil borings were classified for soil type, color and moisture and were field screened with photoionization dectector (PID) for volatile organic concentrations. Soil samples were collected from each soil and well boring at a depth of 5 feet bgs and 10 foot intervals thereafter to the top of the vadose zone. All soil samples were collected using Method 5035 and analyzed for volatile organic compound analysis.

Stratigraphy

Soils encountered at the subject property consisted of silty clays, clays, clayey silts, sandy silts, sandy clays, and sand. Stratigraphy throughout the study area is illustrated by the profiles on Figures 2-2 through 2-4. Strata correlation was based on similarity of soil types and physical characteristics as observed during the soil boring sampling and installation monitor wells. In general, the soil strata were combined into three separate soil type groups as follows:

Group No. 1 – The soils of Group 1 consist of silts, sandy silts and clayey silts with little to no plasticity. These soils have a Unified Soil Classification of ML.

Group No. 2 – These soils consist predominantly of fine sands and silty and clayey sands with little to no plasticity. These sands have a Unified Soil Classification of SM, SP, SW and SC.



These sands at depths greater than 80 feet include seams of coarse grained sand and some gravel.

Group No. 3 – These soils consist of moderate to highly plastic clays, silty clays and sandy clays, Unified Soil Classification of CL-CH. These clays would exhibit very low permeabilities and would be considered as aquitards to underlying substrata.

Section A-A' illustrates the stratigraphy in the east-west direction through the study area and Section B-B' shows stratigraphy in the north-south direction through the central part of the study area. As shown on the profile sections the surficial soils through out the study area beneath the concrete paving consist of the Group 1 soils consisting of silt and sandy silt ranging in thickness from 2 to 6 feet. Beneath the surficial

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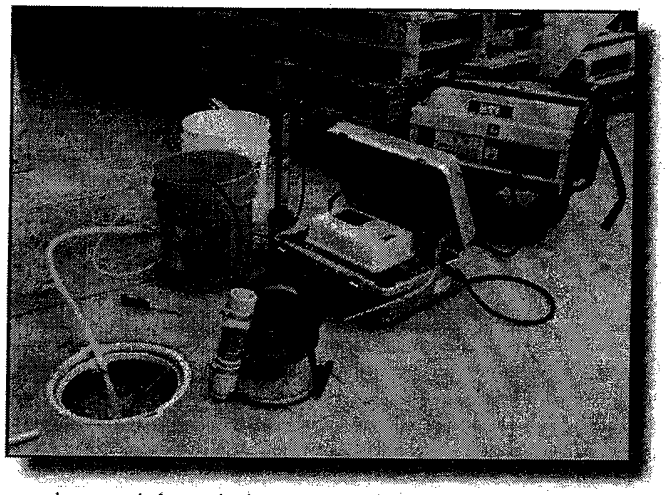
silts is a cohesive layer which extends essentially continuously throughout the area. This cohesive layer consists predominantly of silty and sandy clays ranging in thickness from 4 to 12 feet. Beneath this clay layer are interfingering deposits of silts, sands and clays to an average depth of approximately 28 feet where another continuous clay layer is found with an average thickness of 5 feet.

Below the second continuous clay layer are again found interfingering deposits of silts, sands and clays. The base of these deposits is a continuous sand formation that is approximately 10 feet thick. This sand layer lies on a continuous moderate to highly plastic clay found at approximately 60 feet bgs and has an average thickness of about 15 feet. This competent clay strata would be considered as an aquitard to the underlying sand formation found below the clay to the completion depth of the two deep monitor wells drilled to 120 feet. Refer to Figure Appendix B for lithologic boring logs.

Groundwater was encountered during drilling at depths of 104 and 100 feet bgs in monitor wells MW1 and MW2, respectively. Observations made in monitor wells MW1 and MW2 prior to collecting groundwater samples on June 27, 2006, indicated the depth to groundwater within the wells to be 91.82 to 92.71 feet bgs in monitor wells MW1 and MW2, respectively. In general, it should be noted that groundwater levels may not remain static and will fluctuate with variations in seasonal precipitation.

Groundwater Assessment

A total of two monitor wells were installed in the southeast corner of the subject property to evaluate groundwater quality in the area of concern. As a conservative measure to minimize the potential for cross-contamination, 12-inch diameter augers were used as a temporary conductor in the upper 40 feet of monitor well borings MW1 and MW2. Initially, smaller diameter augers, 7.25-inch, were used continuously sample the upper 40 feet bgs. These augers were then removed, and the bore hole was reamed with larger 12-inch diameter hollow stem augers to a depth of 40 feet bgs to remain in place as temporary conductor casing. The 7.25-inch diameter augers



were then used through the interior of the conductor casing to continuously sample the remainder of the boring to total depth and throughout the well installation process.

The monitor wells were completed with 20 feet of 2-inch diameter, 0.010 inch slot monitor well screen, and to surface with 2-inch diameter schedule 40 PVC casing. The monitor wells were advanced a minimum of 10 feet into the water producing interval. This interval was encountered approximately 100 to 104 feet bgs. Standard screw fit bottom caps were placed at the base of each monitor well. Approximately 2 feet above the monitor well screen and PVC casing interface, a filter pack consisting of clean 20/40 silica sand was placed in the borehole between the annular seal and monitor well screen. A two feet thick bentonite seal was then placed above the sand. The remainder of the annulus was grouted with a cement/bentonite mix. All wells were constructed flush with the ground surface. A locking top cap with lock was placed on the PVC riser, and an 8 inch, bolt down manhole cover was placed and grouted at the surface in a 2 foot by 2 foot by 4 inch reinforced concrete pad.

The monitor wells were developed to remove the fine sediment that may have accumulated in the casing during installation. Monitor wells were then be purged, prior to the collection of groundwater samples, to remove the 'stagnant' water within the well bore. The monitor wells were surveyed to determine top of casing elevations relative to an arbitrary

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elevation. The existing observation well on site was also surveyed. A water level indicator was used to measure the depth to groundwater in each monitor well. This gauging data was then used to calculate the groundwater flow direction.

Low-flow purging and sampling techniques were utilized during the monitor well sampling event. Low-flow refers to the water intake velocity of the pump, and the water velocity imparted to the formation pore water in the immediate vicinity of the well screen. Low-flow techniques minimize the formation stress and disturbance, produce more representative samples, and generate less purge water. The parameters of pH, temperature, and conductivity were monitored during purging to distinguish the difference between formation and stagnant well bore water. Groundwater samples were collected from each well following three successive readings showing stabilization of these parameters.

Field Quality Control

One field duplicate sample was collected simultaneously with a standard sample from the same source under identical conditions into a separate sample container for analysis. The duplicated sample was treated independently of its counterpart in order to assess laboratory performance through comparison of the results. The duplicate samples were collected at random locations to represent 10 percent of all collected soil samples during the June 2006 sampling event. Due to the limited soil volume provided during direct-push sampling collection, field duplicate samples were not collected during the April 2006 sampling event.

Sampling Procedures and Protocol

Sampling techniques were performed in accordance with United States Environmental Protection Agency (USEPA) Methods described in SW-846, *Test Methods for Evaluating Solid Waste*, EPA. During sampling, disposable surgical gloves were used to handle all samples and sampling equipment. All non-disposable soil sampling equipment that came in contact with potentially impacted material was decontaminated using a non-phosphate detergent and multiphase tap water rinse. The laboratory supplied sampling containers, as needed. All soil samples designated for VOC analysis were collected per EPA Method 5035 using EnCore™ sampling devices.

Once collected, the samples were logged, placed in plastic/glass containers, labeled, and stored in shipping containers for transport to the laboratory. All samples designated for organic analysis were placed in a chilled cooler container immediately upon sample collection. Soil samples for organic analysis were delivered in a chilled cooler, as required, at a temperature between 2°C and 6°C to the laboratory in less than 48 hours of sample collection. Sample security was documented on a chain-of-custody form from time of collection to the time of receipt at the laboratory. Soil and groundwater samples were delivered by courier to Severn Trent Laboratories in Los Angeles, California for analysis of volatile organic compounds per EPA Method SW-846 8260B. Severn Trent Laboratories is a certified laboratory (#2092) under the California Environmental Laboratory Accreditation Program (ELAP).

Investigation-Derived Waste Management

During sampling activities, investigation-derived wastes (IDW) were generated. These wastes included used personal protective equipment, disposable sampling equipment, decontamination fluids, and soil cuttings. Since used personal protective equipment (gloves) and disposable sampling equipment (liners) contained only a trace of residual soil, these wastes were double bagged and placed in municipal refuse dumpster at the facility for ultimate municipal landfill disposal. Decontamination fluids generated during sampling consisted of minor volumes of water with non-phosphate detergent and residual rinse sediments. The volume of the decontamination fluids was sufficiently low enough to allow for disposal into the municipal sanitary sewer system at the facility. Well development water was placed into 55-gallon drums, and staged for future disposal. Soil cuttings were placed in a bulk roll-off staged in the designated storage area at the facility. Once characterized and profiled, the soil cuttings were transported offsite for non-hazardous waste disposal at the Waste Management Lancaster Landfill.

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Documentation

Field activities were documented in field notes, photographs, and chain-of-custody forms. The bound field logbook was maintained as a daily record of events by the sampling team. All documentation was made in permanent ink, and no entries were obliterated. All sample containers were labeled in a clear and precise way for proper identification for tracking in the laboratory. Each sample was referenced with the sample date, the type of sample (SB – soil boring) and the sample point identification corresponding to the area. A chain-of-custody record accompanied all sample shipments.

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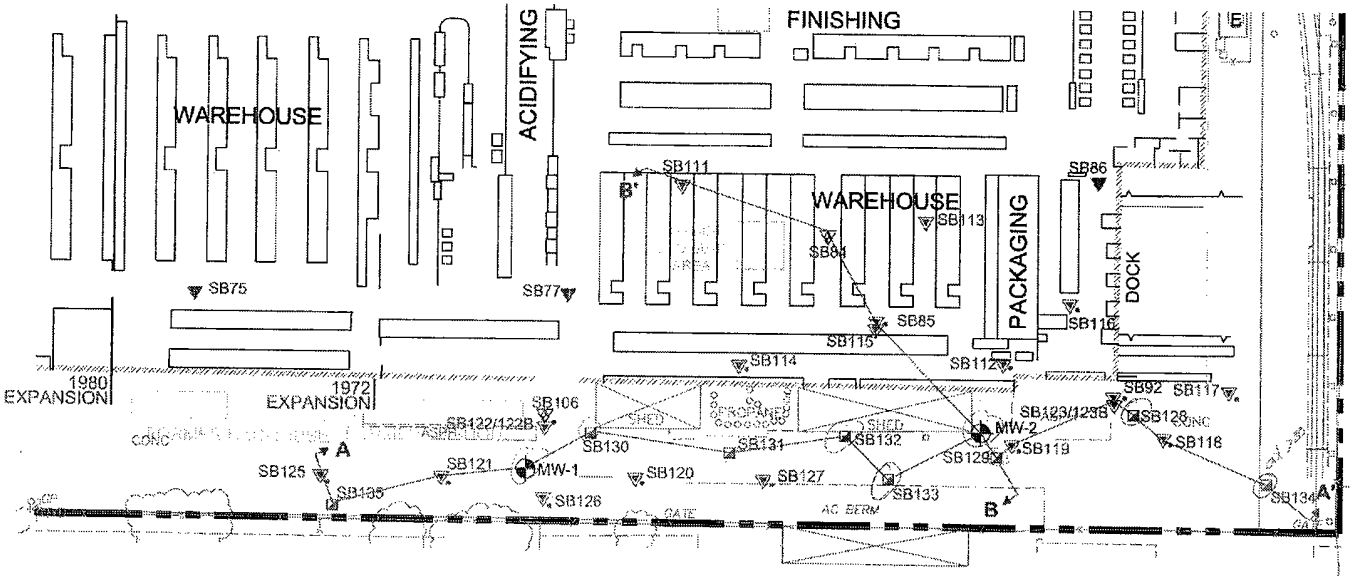

SAMPLE LOCATIONS

- MONITOR WELL LOCATION
- SOIL GAS SURVEY LOCATION FOR VOCs
- SOIL GAS SURVEY LOCATION FOR VOCs WITH ADJACENT SOIL BORING FOR VOCs
- TOTAL LEAD AND SOIL GAS SURVEY LOCATION FOR VOCs
- SOIL BORING LOCATION FOR VOCs
- TOTAL METALS (CAM17) AND SOIL GAS SURVEY LOCATION FOR VOCs
- CROSS SECTION CUT LINE

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FIGURE 2 - 2

GEOLOGIC CROSS SECTIONS A - A' AND B - B'

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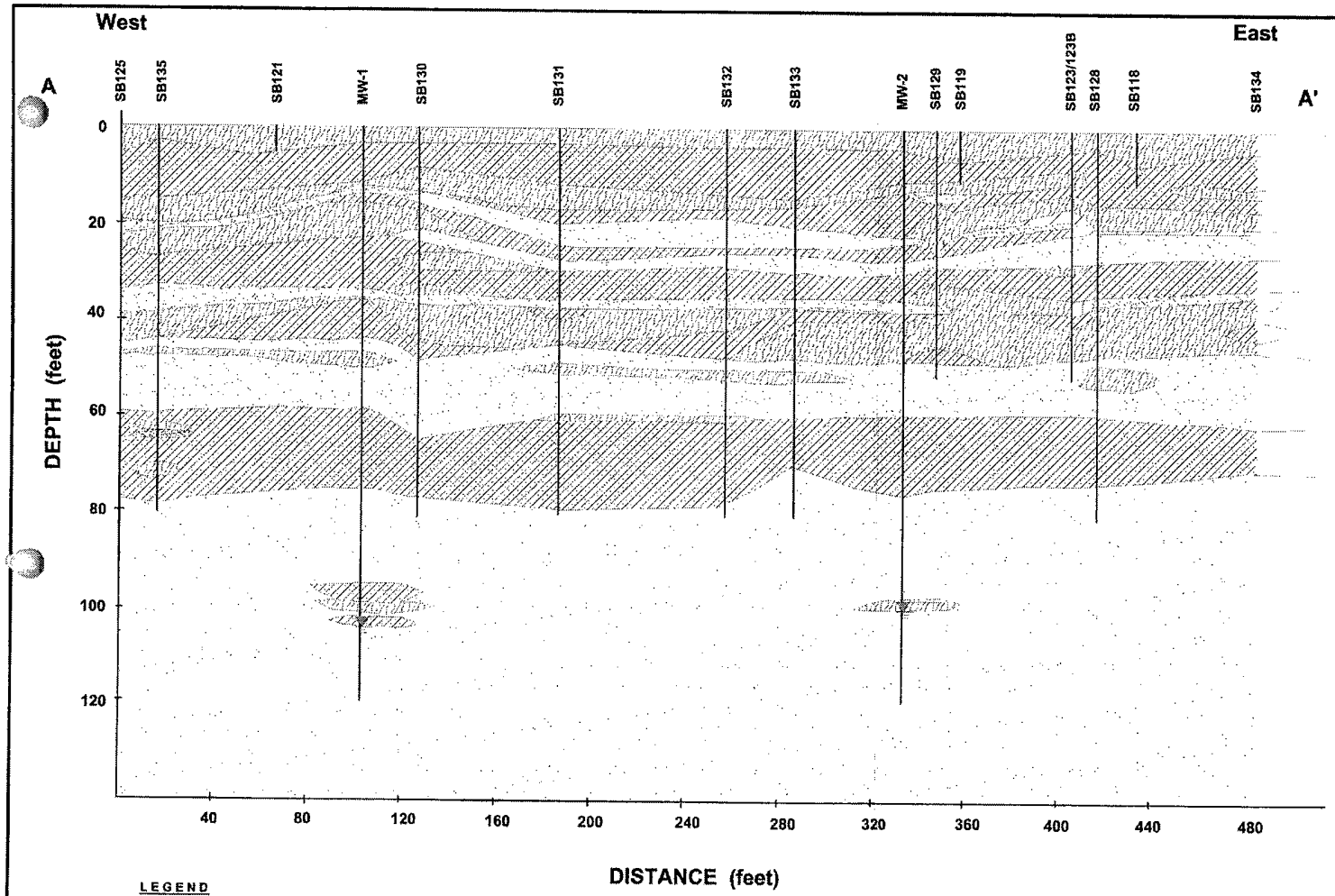

LEGEND

- SILT, SANDY SILT, CLAYEY SILT (ML)
- SAND, SILTY SAND, CLAYEY SAND (SM, SP, SW, SC)
- CLAY, SILTY CLAY, SANDY CLAY (CL - CH)
- WATER LEVEL

SCALE

Horizontal 1" = 40'
Vertical 1" = 20'

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FIGURE 2-3

GEOLOGIC CROSS SECTION
SECTION A - A'

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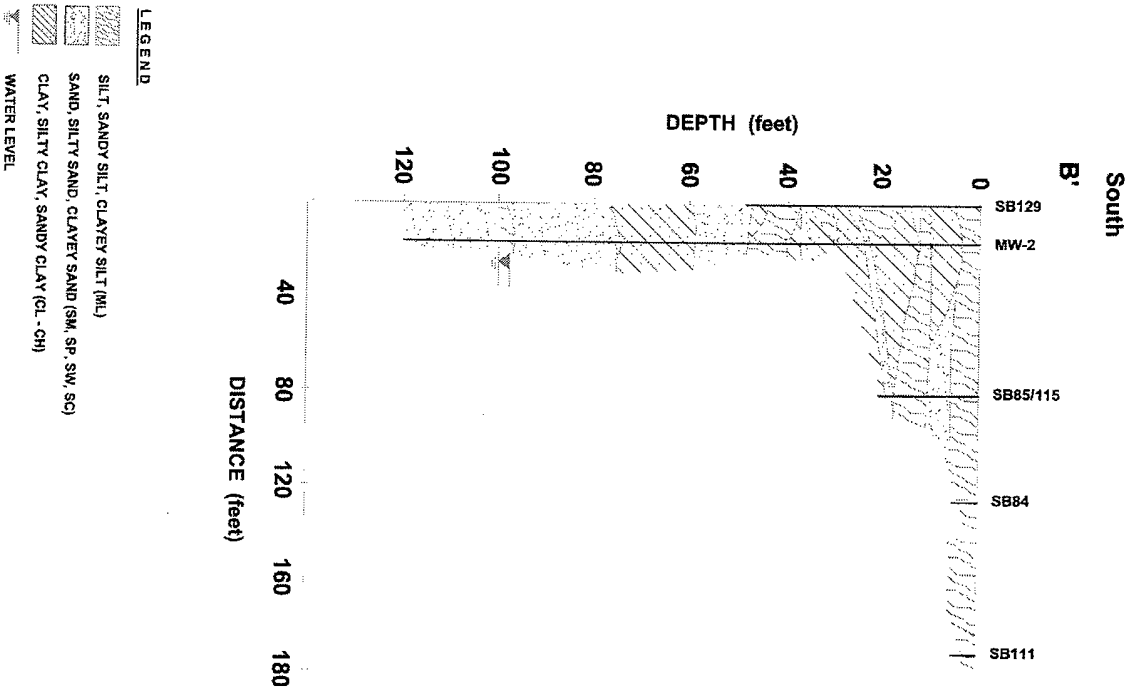

GEOLOGIC CROSS SECTION
SECTION B - B'

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FIGURE 2-4

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SUPPLEMENTAL FACILITY INVESTIGATION RESULTS

3.0

Soil and groundwater sampling was conducted to supplement the information obtained during previous site investigation activities conducted in the southeast portion of the subject property. During the supplemental facility investigation, a total of 10 soil borings were advanced to further delineate site conditions prior to future plans for redevelopment.

Investigation Results

Volatile Organic Compounds

Soil Sampling

Soil samples obtained from the south-southeast exterior of the main building in the former baghouse/storage areas were obtained at a depth of 4.5-5 feet bgs and at 10 foot intervals thereafter to toal depths ranging from 80 to 100 feet.

Soil concentrations within the shallow soil intervals, less than 10 feet bgs, ranged from <5.3 to 1500 ug/kg tetrachloroethylene (PCE), and some underlying constituents such as trichloroethylene (TCE) , dichloroethylene (DCE), and cis-DCE were present in lower concentrations. PCE concentrations within the depth interval of 29.5-30 feet bgs ranged from 65 to 2250 ug/kg. Soil concentrations of PCE at the depth interval of 49.5-50 feet bgs and 59.5-60 feet ranged from <5.6 to 89 ug/kg. Soil concentrations of PCE at a depth interval of 99.5-100, 109.5 -110, and 119.5-120 feet bgs were below the respective laboratory detection limit for all VOC constituents. Results from the soil sampling analysis are included in Table 3-1 and Appendix C.

Soil samples were also collected for geotechnical analysis at various depths and analyzed for moisture content (ASTM D2216), bulk density (ASTM D2937), porosity (API RP40), total organic carbon (Walkley-Black), and/or effective permeability to air (API RP40).

The bulk density, total porosity, permeability, and total organic carbon results are consistent with a silty soil of low organic content as described in soil logs by the ENTACT geologist. Results for the geotechnical sample are included in Table 3-2 and Appendix D.

Groundwater Sampling

Groundwater samples were obtained from monitor wells MW1 and MW2 located on the southeast portion of the subject property for comparison to the regional groundwater quality data. Groundwater samples contained PCE concentrations ranging from 3.7 to 10 ug/l and TCE concentrations ranging from 23 to 33 ug/l. The observation well, FM-5, managed by the Orange County Water District to monitor regional groundwater quality contained PCE concentrations of 34.4 ug/l and TCE concentrations of 100 ug/l in January 2006. This observation well is located in the southwest corner of the subject property. Refer to Table 3-3 and Appendix E for groundwater sample results.

The regional groundwater flow direction is west to northwest with a more northwesterly gradient at the subject property. The new monitor wells were surveyed in relation to the surface elevation of FM-5, but the specific groundwater gradient could not be calculated using only two points of reference. Since observation well FM-5 is not a private well, groundwater gauging was not conducted in this well. Refer to Appendix A for historical groundwater elevations within observation well FM-5.

Quality Assurance

A Quality Control (QC) program was implemented during collection and analyses of soil and groundwater samples, as outlined in the *Facility Investigation Workplan* and a subsequent addendum. Operational techniques and activities were included in the QC program to ensure the integrity of analytical results.

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TABLE 3-1
PRIMARY VOC CONSTITUENT CONCENTRATIONS IN SOIL, ug/kg

Sample ID	Sample Depth												
	4.5-5'	9.5-10'	19.5-20'	29.5-30'	39.5-40'	49.5-50'	59.5-60'	69.5-70'	79.5-80'	89.5-90'	99.5-100'	109.5-110'	119.5-120'
PCE Concentrations													
SB128	150	150	52	380	76	26	52	13	<4.8	NA	NA	NA	NA
SB129	600	790	280	2500	600	5.7	NA	NA	NA	NA	NA	NA	NA
SB-130	57	130	140	270	220	<5.7	<5.2	89	29	NA	NA	NA	NA
SB-131	24	20	3.1J	73	9.8	11	<5.9	56	6.2	NA	NA	NA	NA
SB-132	110	86	170	190	17	36	19	24	14	NA	NA	NA	NA
SB-133	160	1500	110	660	130	89	47	12	3.6J	NA	NA	NA	NA
SB-134	47	33	26	79	150	12	<5.8	13	<5.2	NA	NA	NA	NA
SB-135	13	4.5J	<4.8	65	44	<5.8	10	10	<5.1	NA	NA	NA	NA
MW-1	190	67	34	1000	660	<5.7	84	150	54	36	4.0J	<5.0	<5.0
MW-2	1500	1400	180	2200	250	9.5	36	3.8J	5.4J	5.5	NA	NA	NA
TCE Concentrations													
SB128	21	18	5.6	<4.8	43	27	120	78	<4.8	NA	NA	NA	NA
SB129	95J	78J	31	220J	170J	<5.4	NA	NA	NA	NA	NA	NA	NA
SB-130	<5.6	8	6.9	13	8.9	<5.7	<5.2	6.3	<5.1	NA	NA	NA	NA
SB-131	4.3J	4.3J	<5.4	18	3.3J	11	<5.9	11	<4.4	NA	NA	NA	NA
SB-132	21	18	15	62	6.5	62	53	24	5.3	NA	NA	NA	NA
SB-133	26	130J	13	77J	39	120	160	13	2.7J	NA	NA	NA	NA
SB-134	<6.1	<5.2	<4.7	2.5J	7.5	8.7	<5.5	100	<5.2	NA	NA	NA	NA
SB-135	<5.5	<5.3	<4.8	<6.1	<5.5	<5.8	4.2J	<5.0	<5.1	NA	NA	NA	NA
MW-1	11	2.6J	2.5J	<270	<260	<5.7	12	5.2J	<5.2	3.8J	2.5J	13	<5.0
MW-2	210J	100J	17	320	98	2.5J	120	9.1	14	18	NA	NA	NA
DCE Concentrations													
SB128	<5.7	<5.3	<4.6	<4.0	16	17	47	35	<4.8	NA	NA	NA	NA
SB129	<280	<270	<4.5	<270	<240	<5.4	NA	NA	NA	NA	NA	NA	NA
SB-130	<5.6	<4.8	<4.9	10	16	<5.7	<5.2	9	<5.1	NA	NA	NA	NA
SB-131	<6.1	<5.4	<5.4	36	5.3J	4.0J	<5.9	20	6.2	NA	NA	NA	NA
SB-132	4.5J	6.1	<5.4	50	<5.0	41	33	32	7.1	NA	NA	NA	NA
SB-133	<5.3	<300	<5.9	<270	20	65	120	23	<5.1	NA	NA	NA	NA
SB-134	<6.1	<5.2	<4.7	6.6	15	3.1J	<5.5	45	<5.2	NA	NA	NA	NA
SB-135	<5.5	<5.3	<4.8	<6.1	<5.5	<5.8	2.9J	<5.0	<5.1	NA	NA	NA	NA
MW-1	<5.0	<5.6	<5.4	<270	<260	<5.7	17	5.3	<5.2	8.8	<5.3	<5.0	<5.0
MW-2	<240	<290	<5.3	<270	26	<5.0	60	7.4	8.9	2.4J	NA	NA	NA
cis-DCE Concentrations													
SB128	<5.7	<5.3	<4.6	<4.6	<5.1	<5.5	<5.3	<5.3	<4.8	NA	NA	NA	NA
SB129	<280	<270	14	<270	<240	<5.4	NA	NA	NA	NA	NA	NA	NA
SB-130	<5.6	<4.8	<4.9	<5.3	<5.0	<5.7	<5.2	<5.9	<5.1	NA	NA	NA	NA
SB-131	<6.1	<5.4	<5.4	<5.6	<5.4	<6.4	<5.9	<4.9	<4.4	NA	NA	NA	NA
SB-132	6.5	6.5	3.5J	4.4J	<5.0	2.9J	<5.9	<5.3	<5.1	NA	NA	NA	NA
SB-133	6.1	<300	8.4	<270	4.5J	9.1	6.3	<5.1	<5.1	NA	NA	NA	NA
SB-134	<6.1	<5.2	<4.7	<5.1	<5.2	<5.5	<5.6	<4.7	<5.2	NA	NA	NA	NA
SB-135	<5.5	<5.3	<4.8	<6.1	<5.5	<5.8	<4.8	<5.0	<5.1	NA	NA	NA	NA
MW-1	28	9.1	<5.4	<270	<260	<5.7	<5.3	<5.3	<5.2	<4.5	<5.3	<5.0	<5.0
MW-2	<240	<290	13	<270	9.6	<5.0	5.0J	<5.0	<5.9	<5.4	NA	NA	NA

Tetrachloroethene (PCE) Tricholoethene (TCE) 1,1-Dicholorethene (DCE) NA- Not analyzed J - Concentration below the laboratory reporting limit but above the method detection limit

TABLE 3-2
GEOTECHNICAL PARAMETERS

Description			Site Specific Lithology					Moisture Content		Density		Porosity, %Vb			TOC	Permeability
			Gravel	Sand	Silt	Clay	Grain Size	% dry weight	cm3/CM	Bulk g/cc	Grain g/cc	Total	Air Filled	Effective	mg/kg	millidarcy
SB128	30-32'	SILT						25.20%	0.379	1.51	2.7	44.2	6.3	10.7	1250	0.545
	58-59'	SILT										6.2				0.437
	69-70'	SILT	0.00%	14.68%	61.76%	23.56%	0.018	18.00%	0.32	1.78					340	
SB129	5-6'	SILT	0.00%	31.18%	51.05%	17.76%	0.036					50.7	8.3	42.4		
SB123	5-6'	SILT						29.90%		1.34		49.6	8.9	40.7	1150	0.699
SB130	69-70'	SAND	0.00%	78.98%	15.15%	5.87%	2.71									
MW1	97-98'	SILT	0.00%	16.64%	52.97%	30.19%	0.011									

TABLE 3-3
GROUNDWATER CONCENTRATIONS, ug/l

Description	Sample Date	VOCs, ug/l		
		PCE	TCE	DCE
Regional GW Quality Well - FM-5	Jan-06	34.4	100	10.9
	Jun-06	32.5	58	6.7
MW1	Jun-06	10	33	5.5
MW2	Jun-06	3.7	23	7.4

Regional Groundwater Quality Well, FM-5, sample results provided by Orange County Water District

Field Quality Control

Field duplicate samples were collected simultaneously with primary samples from the same source under identical conditions. The duplicate samples were collected at random locations to represent 10 percent of all collected soil samples during the June 2006 event. A total of 44 primary and 5 duplicate soil samples were analyzed for VOCs. Soil sample duplicates were collected at SB134 (19.5-20), SB134 (79.5-80), SB135 (49.5-50), MW1 (69.5-70), and MW2 (49.5-50). Duplicate soil sample results were within a relative percent difference of 30% of the original data set. Refer to Table 3-1 for the entire data set.

Soils designated for VOC analyses were preserved in the field (EPA Method 5035) by collection with EnCore™ samplers and delivered to the laboratory within 48 hours of sample collection. All samples collected for organic analyses were stored in chilled coolers at the site immediately following sample collection, and delivered to a local laboratory in chilled coolers by courier.

Laboratory Quality Control

A QC review of the analytical data for soil samples was performed. Key data quality parameters were reviewed and evaluated including method blank, laboratory control spike (LCS), matrix spike (MS) and matrix spike duplicate (MSD) sample results. Laboratory precision was determined by calculating the relative percent difference (RPD) between MS/MSD pairs in the laboratory. All soil samples fell within the precision acceptability limits required in STL's Quality Manual.

Accuracy of data was determined quantitatively by calculating the percent recovery (%R) from the MS/MSD results and for organic analytes, with surrogate compounds. Laboratory accuracy was also assessed from %R results generated from the periodic analytical of calibration check standards and LSC/LSCD. All spike samples fell within the percent recovery ranges required in STL's Quality Manual.

Completeness was evaluated by determining the percentage of valid data received from actual testing performed in the laboratory. Completeness for all compounds exceeded 90%.

Report narratives from STL indicated the following non-conformances:

Lot #E6C310315: 05-16083 – Sample date on chain of custody mistakenly written as 3/31/06 when actual date was 3/30/06. Correction made on report.

Lot #E6C310288: 05-16084 – Sample date on chain of

custody mistakenly written as 3/31/06 when actual date was 3/30/06. Correction made on report.

Lot #E6C310315: 05-16157, Lot #E6C310311: 05-16157, Lot #E6C310326: 05-16129 , and Lot #E6C310281: 05-16121 – not enough sample volume to prepare project specific MS/MSD sample.

Non-conformance listings associated with the project-specific MS/MSD samples were not applicable to this project as collection of project-specific MS/MSD samples were not included in the *Facility Investigation Workplan*. Batch MS/MSD samples were utilized by the laboratory to determine the accuracy of project-specific data.

Evaluation of Analytical Results

Volatile Organic Compounds

Direct Contact Pathway

The results of shallow soil sampling and analysis indicate that the concentrations of chlorinated hydrocarbons in soil samples collected from 2 to 10 feet bgs are lower than the USEPA Regional IX preliminary remediation goal (PRG) for direct contact exposure with the exception of PCE concentations in two areas, MW2/SB119 and SB133. These two areas contained a maximum PCE concentration of 1,500 ug/kg which is slightly above the default direct contact PRG value of 1,300 ug/kg for PCE.

To better evaluate the shallow soil concentrations for comparison to the direct contact PRG values for the primary constituents of concern, ProUCL Version 3.0 was used to calculate the 95% upper confidence limit (UCL). The entire data set obtained from 2 to 10 feet bgs for each constituent of concern was used for statisical evaluation of the concentrations. The 95% UCL was determined to be 74.23 ug/kg for PCE, 19.21 ug/kg for TCE, and 3.04 ug/kg for DCE which are all well below their respective PRG. Refer to Figures 3-2 through 3-10 for isoconcentration maps, and Figures 3-11 and 3-12 for PCE and TCE concentrations overlayed onto the lithologic cross section.

When compared statistically within the entire data set for soils above a depth of 10 feet bgs, the 95% upper confidence limit for each constituent was well below the direct contact exposure criteria for industrial sites. Based on this information, the health risk associated with direct exposure to shallow soil in the chlorinated hydrocarbon impacted area appears to be low.

Soil to Groundwater Pathway

Since the regional groundwater within the area has been impacted from various sources, site specific groundwater concentrations cannot be used to effectively determine if the soil impacts at the subject property potentially contribute to the observed regional groundwater conditions, modeling of site conditions was performed. The vadose zone leaching (VLEACH) model was used to simulate the vertical mobilization and migration of dissolved organic contaminants through the unsaturated zone at the subject property to evaluate the soil to groundwater pathway. The VLEACH Model is a one dimensional finite difference model that simulates contaminant leaching within a soil polygon. A polygon with uniform soil properties is represented by a vertical stack of cells with varying soil concentrations and constant depth that reach from the land surface to the groundwater table. The contaminant may be present in the soil as an initial condition and may be introduced at the top boundary as a concentration for recharge.

The total mass of contaminant within each cell is partitioned among three phases: liquid (dissolved in water), vapor, and sorbed to solid surfaces. For simulation purposes, the total simulation time is divided into user-specified discrete time steps of constant length. During each time step there are three separate processes that take place. The contaminant in the liquid phase is subject to downward advection, and the contaminant in the vapor phase is subject to gas diffusion. Finally, each cell is re-equilibrated according to the distribution coefficients. Gas diffusion can take place at the top and bottom boundaries. The mass flux in the liquid phase running across the bottom boundary is calculated. The model assumes a steady-state downward water flow. The processes of in-situ degradation or production, and dispersion are neglected.

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VLEACH Evaluation

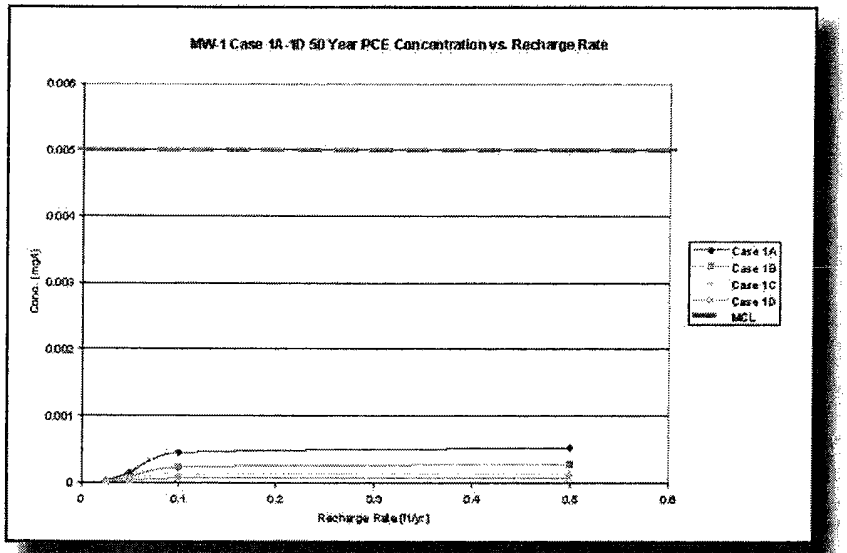
VLEACH modeling was conducted on the two areas of concern at the subject property to evaluate the soil to groundwater pathway. Since PCE is the primary constituent of concern and has similar chemical properties to the underlying constituents, PCE was used for the modeling scenarios. Soil concentrations and lithology present at monitor wells MW1 and MW2 were input in the VLEACH model. The monitor well MW1 area is located south of the main building and contains PCE concentrations ranging from 4.0 to 1,000 ug/kg with the highest concentrations being present at a depth of 30 to 40 feet bgs. PCE concentrations diminish with depth, increasing slightly on top of the clay aquitard, decrease within the aquitard, diminishing to below the detection limit, <5.0 ug/kg, about 4 feet above the water table.

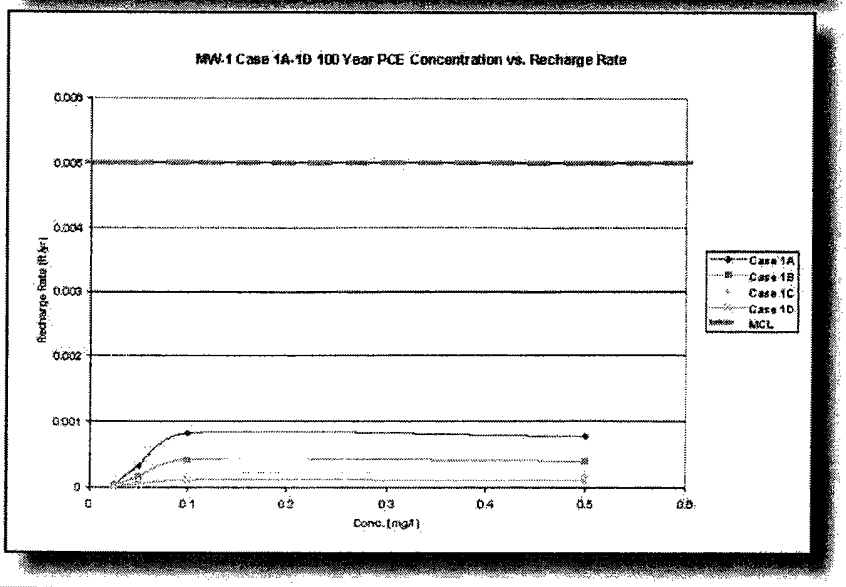
The area of monitor well MW2 is located near the southeast corner of the main building and contains PCE concentrations ranging from 3.8 to 2,500 ug/kg with the highest concentrations being present at a depth of 30 to 40 feet bgs. PCE concentrations diminish with depth, increasing slightly on top of the clay aquitard, quickly decrease within the aquitard, and range from 3.8 to 5.5 ug/kg within the clay aquitard about 30 feet above the water table.

The site specific conditions and concentrations were used to model the potential for constituent transport at each area of concern using monitor well MW1 and MW2 soil data and lithology. In the first case scenario, constant PCE concentrations were varied by decreasing factors within the lower clay aquitard layers to evaluate the potential leachate to the underlying sand layer. In the second case scenario, actual PCE concentrations present in the upper and lower clay layers were used to evaluate the potential leachate to the underlying sand layer. Both scenarios were modeled for monitor well MW1 and MW2 using 50 and 100 year durations.

Monitor Well MW1 VLEACH Analysis

VLEACH was used to evaluate the potential impact to groundwater from PCE contamination found in soil at monitor well MW1. Various parameters were modeled to evaluate what conditions would result in PCE groundwater contamination and to what magnitude of concentration. Monitor well MW1 has clay layers from 58 to 72 feet bgs, 95 to 98.5 feet bgs, and 101 to 104 feet bgs that act as aquitards. Silty clay layers also exist in multiple layers surrounding the upper clay resulting in a cumulative thickness of 28 feet.





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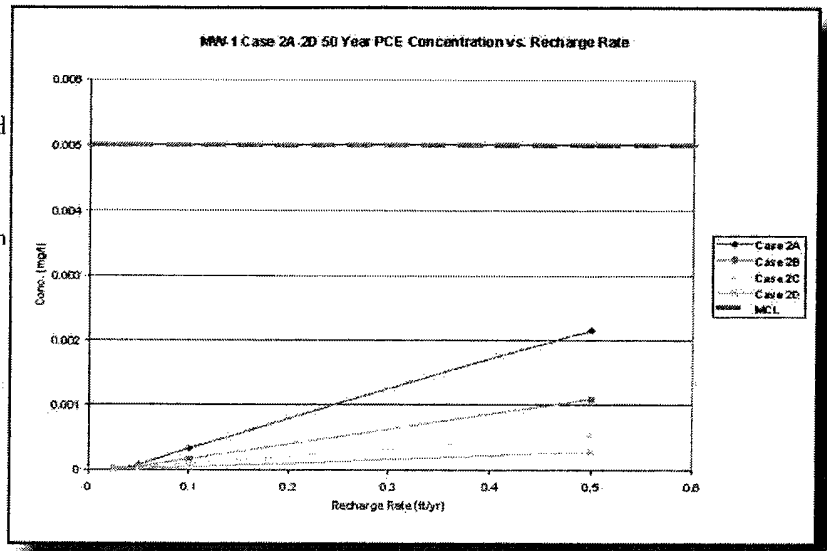
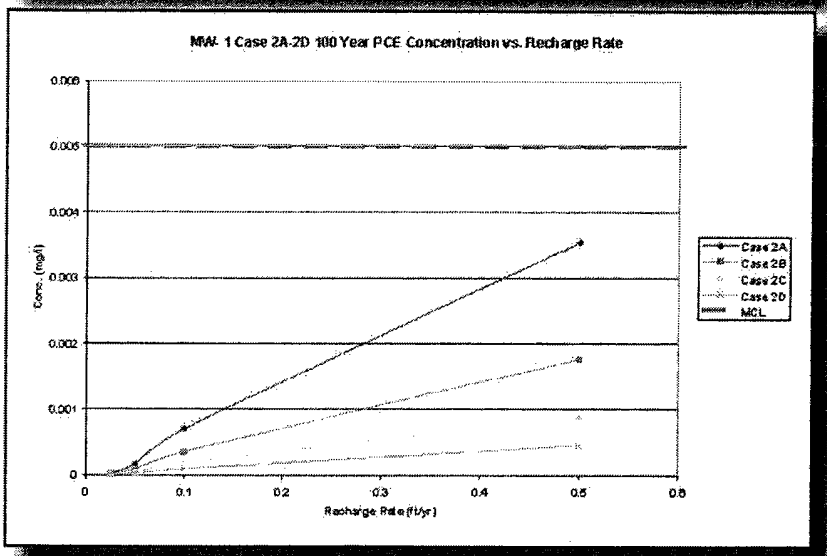
The input variables used to run VLEACH included a groundwater recharge rate ranging from 0.025 to 0.5 ft/yr, a constant contaminated layer of one foot within their respected layers, and a constant PCE concentration defined at each contaminated layer. A total of two model run scenarios were performed as Case 1 and Case 2 on monitor well MW1 with sub-cases A through D.





Case 1 Scenario - MW1

For the Case 1 scenario, the three clay layers were included in the model using constant PCE concentrations varied by decreasing factors in Cases 1A through 1D. The constant PCE concentrations were varied by decreasing factors of 0.5, 0.25, and 0.13 starting at the detected concentrations (Case 1A). The following list is the break down of the concentrations use for Cases 1A through 1D at respective depths 59 and 69 bgs:

1A: 84 ug/kg and 150 ug/kg
1B: 42 ug/kg and 75 ug/kg
1C: 21 ug/kg and 37.5 ug/kg
1D: 10.5 ug/kg and 18.75 ug/kg

PCE concentrations were modeled in a combined clay layer of 20.5 ft with each PCE concentration modeled into their respective layer at one foot of contaminated clay. The recharge rate was varied between 0.025 to 0.5 ft/yr.

Case 2 Scenario - MW1

For the Case 2 scenario, the three clay layers and five silty clay layers were modeled. For modeling purposes, the silty clay layers were assumed to have similar geotechnical properties as the clay layers. Cases 2A through 2D, the constant PCE concentrations were varied by decreasing factors of 0.5, 0.25, and 0.13 starting at the detected concentrations (Case 2A). The following list is the break down of the concentrations use for Cases 2A through 2D at respective depths of 4 bgs, 9 bgs, 19 bgs, 29 bgs, 59 bgs, and 69 bgs:

2A: 190, 67, 1000, 660, 84, and 150 ug/kg
2B: 95, 33.5, 500, 330, 42, and 75 ug/kg
2C: 47.5, 16.75, 250, 165, 21, and 37.5 ug/kg
2D: 23.75, 8.38, 125, 82.5, 10.5, and 18.75 ug/kg

PCE concentrations were modeled in a combined clay layer thickness of 54 ft with each PCE concentration modeled into their respective layer with one foot of contaminated clay. The recharge rate was varied between 0.025 to 0.5 ft/yr.

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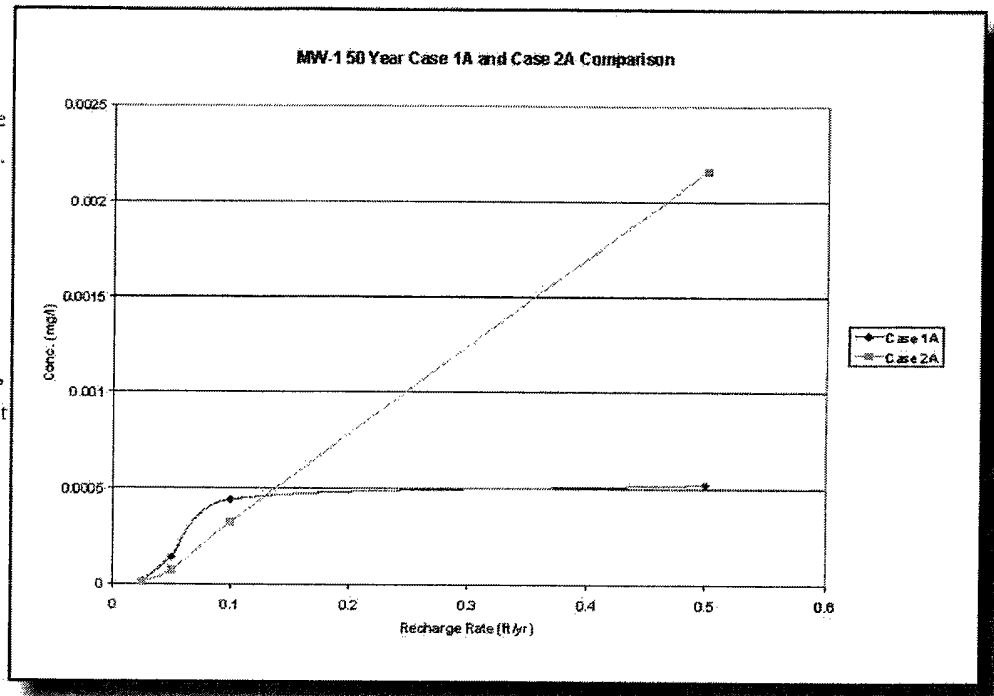
Summary of Findings - MW1

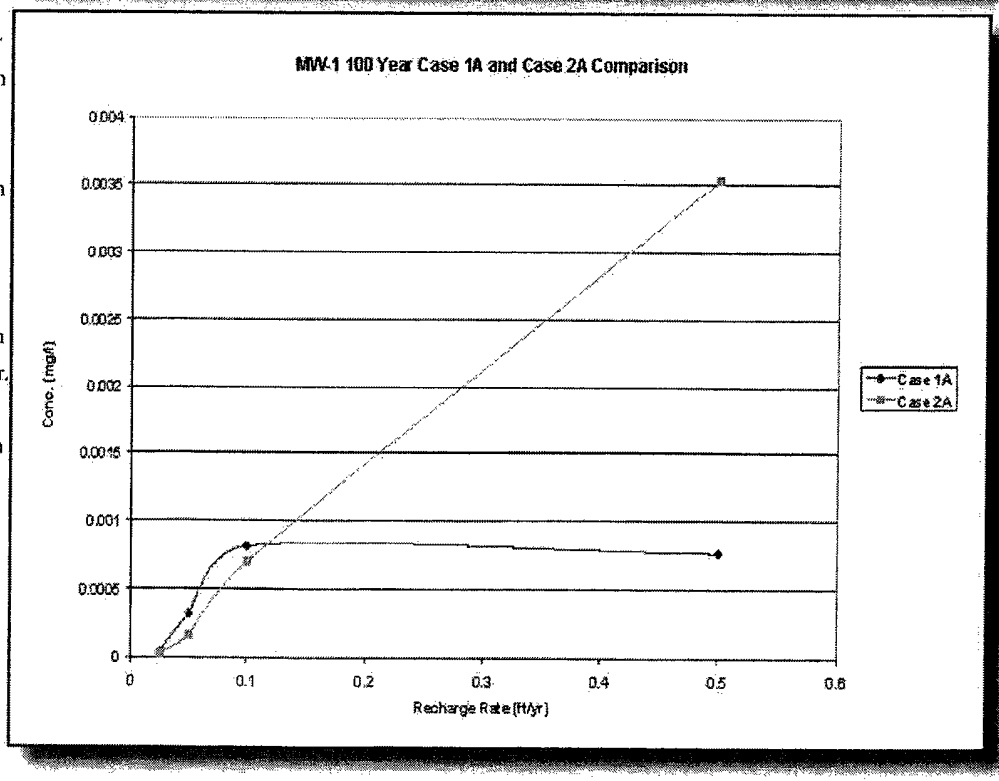
Case 1 and Case 2, A through D models demonstrate how and by what degree the PCE will leach through the combined layer. The Case 1 series solely illustrates leaching through the three actual defined clay layers. For each case (1-2), B through D illustrate the amount of PCE that leaches through the combined layer as the detected PCE concentrations are decreased by a factor 0.5, 0.25, and 0.13. The trends show that for every case, the concentration that leaches through the clay layer is below the MCL (5 ug/l). The maximum and minimum concentrations are only reported from Case 1A and Case 2A.

Case 1A: Max: 0.0008 mg/l or 0.8 ppb, at a 100 year duration with recharge rate of 0.5 ft/yr. Min: 1.11e-5 mg/l or 1.11e-2 ppb, at a 50 year duration with a recharge rate of 0.025 ft/yr

Case 2A: Max: 0.0035 mg/l or 3.5 ppb, at a 100 year duration with a recharge rate of 0.5 ft/yr. Min: 9.25e-6 mg/l or 9.25e-3 ppb, at a 50 year duration with a recharge rate of 0.025 ft/yr.

The following graphs illustrate the difference in Case 1 and Case 2. Because Case 2 incorporated additional silty clay layers with PCE contamination that were then assumed to have very similar properties to clay, Case 2 yielded higher PCE concentrations in both 50 and 100 year durations. At





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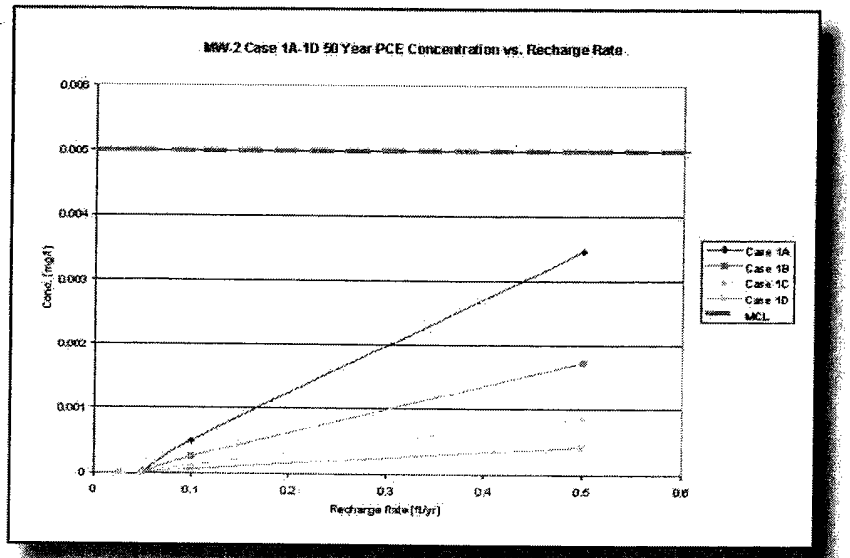
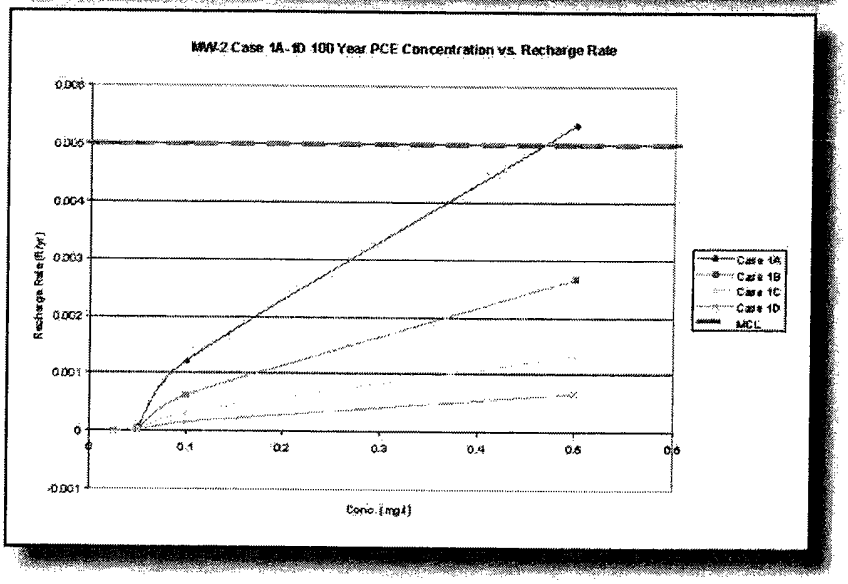
the max recharge rate (0.5 ft/yr), Case 2 yielded concentrations that were 4 to 5 times greater than Case 1. At recharge rates below 0.5 ft/yr, the difference in concentration varies only between 0 to 1 times with Case 2 having the slightly higher values than Case 1.





Monitor Well MW2 VLEACH Analysis

VLEACH was also used to evaluate the potential impact to groundwater from PCE concentrations found in soil at monitor well MW2. Various parameters were modeled to evaluate what conditions would result in PCE groundwater contamination and to what magnitude of concentration. Monitor well MW2 has clay layers from depths of 29 to 30 feet bgs and 59 to 75 feet bgs that act as aquitards. Silty clay layers also exist in multiple layers surrounding the upper clay.

The input variables used to run VLEACH included a groundwater recharge rate ranging from 0.025 to 0.5 ft/yr, a constant contaminated layer of one foot into their respected layers, and a constant PCE concentration defined at each contaminated layer. A total of two model run scenarios were performed as Case 1 and Case 2 on monitor well MW2 with sub-cases A through D. The Case 1 scenario considered constant PCE concentrations, in the defined clay layers only, starting at the detected concentrations then varied by decreasing factors using variable recharge rates. The Case 2 scenario considered constant PCE concentrations, in the silty clay and clay layers, starting at the detected concentrations then varied by decreasing factors using variable recharge rates to simulate actual site conditions.

Case 1 Scenario - MW2

For the Case 1 scenario, the two clay layers were modeled. Cases 1A through 1D, the constant PCE concentrations were varied by decreasing factors of 0.5, 0.25, and 0.13 starting at the detected concentrations. The following list is the break down of the concentrations use for Cases 1A through 1D at respected depths 29 and 59 bgs:

1A: 2200 ug/kg and 36 ug/kg
1B: 1100 ug/kg and 18 ug/kg
1C: 550 ug/kg and 9 ug/kg
1D: 275 ug/kg and 4.5 ug/kg

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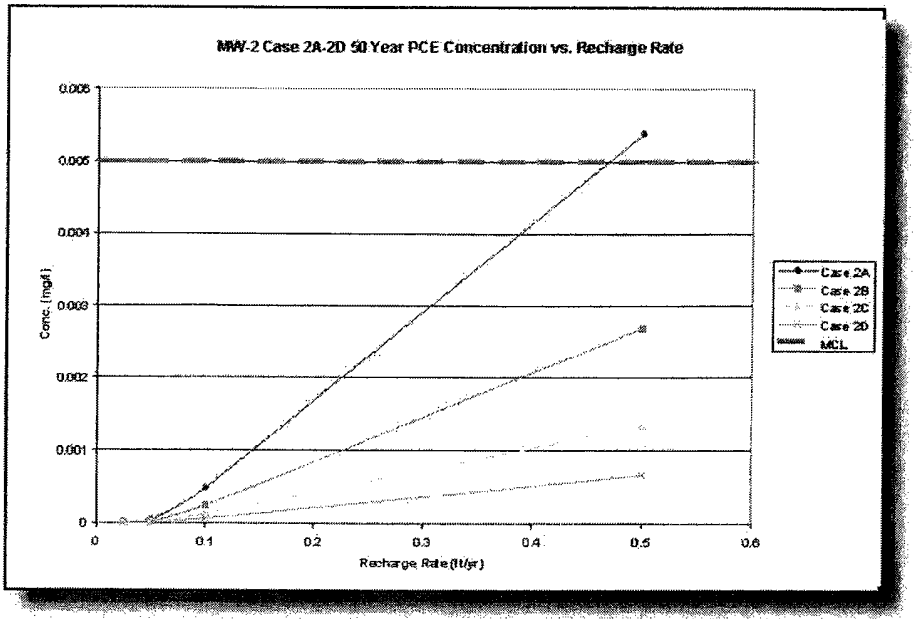
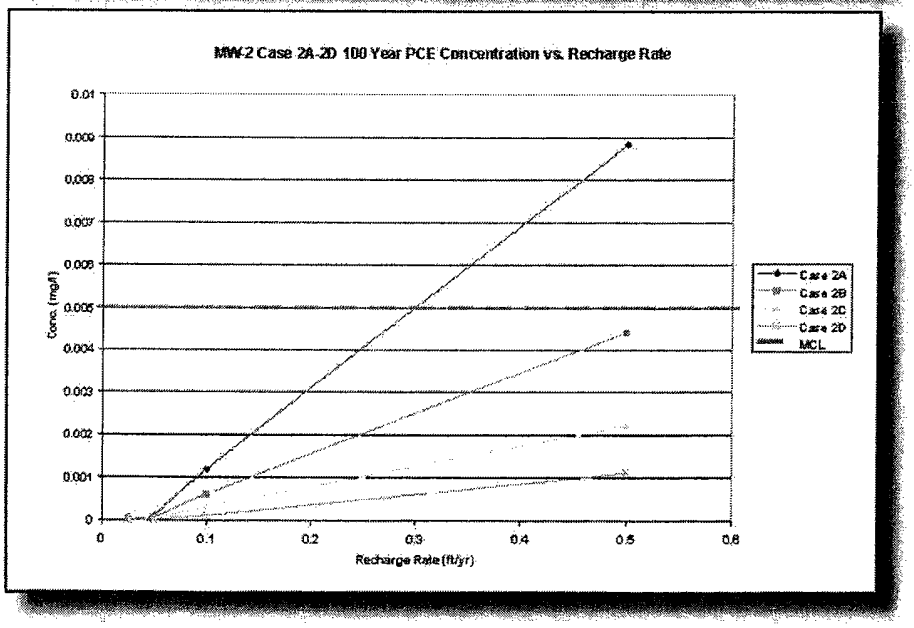
PCE concentrations were modeled with a combined clay layer of 21.5 ft, with each PCE concentration modeled into their respected layer with one foot of contaminated clay. The recharge rate was varied between 0.025 to 0.5 ft/yr.





Case 2 Scenario - MW2

For the Case 2 scenario, the two clay layers and five silty clay layers were modeled. For modeling purposes, the silty clay layers were assumed to have similar properties as the clay layers. Cases 2A through 2D, the constant PCE concentrations were varied by decreasing factors of 0.5, 0.25, and 0.13 starting at the detected concentrations (Case 2A). The following list is the break down of the concentrations use for Cases 2A through 2D at respective depths of 4 bgs, 9 bgs, 19 bgs, 29 bgs, 59 bgs, and 69 bgs:

2A: 1500, 1400, 180, 2200, 36, and 3.8 ug/kg
2B: 750, 700, 90, 1100, 18, and 1.90 ug/kg
2C: 375, 350, 45, 550, 9, and 0.95 ug/kg
2D: 187.5, 175, 22.5, 275, 4.5, and 0.48 ug/kg

PCE concentrations were modeled to combined clay layer thickness of 44 ft with each PCE concentration modeled into their respected layer with one foot of contaminated clay. The recharge rate was varied between 0.025 to 0.5 ft/yr.

Summary of Findings - MW2

Case 1 and Case 2, A through D models demonstrate how and by what degree the PCE will leach through the combined layer. The Case 1 series solely illustrates leaching through the two actual defined clay layers. For each case (1-2) B through D illustrate the amount of PCE that leaches through the combined layer as the detected PCE concentrations are decreased by a factor 0.5, 0.25, and 0.13. The trends show that for almost every case, the concentration that leaches through the clay layer is below the MCL (5 ug/l). In Case 1A, at a recharge rate of 0.5 ft/yr and 100 year duration was the only scenario that yielded a concentration slightly higher than the MCL (5.3

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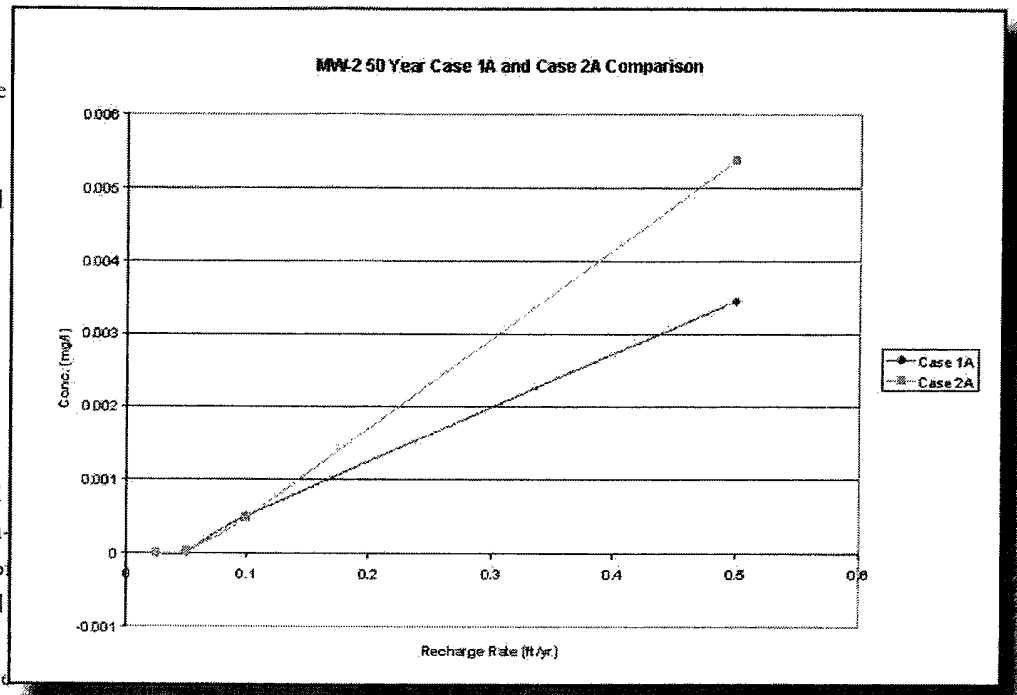
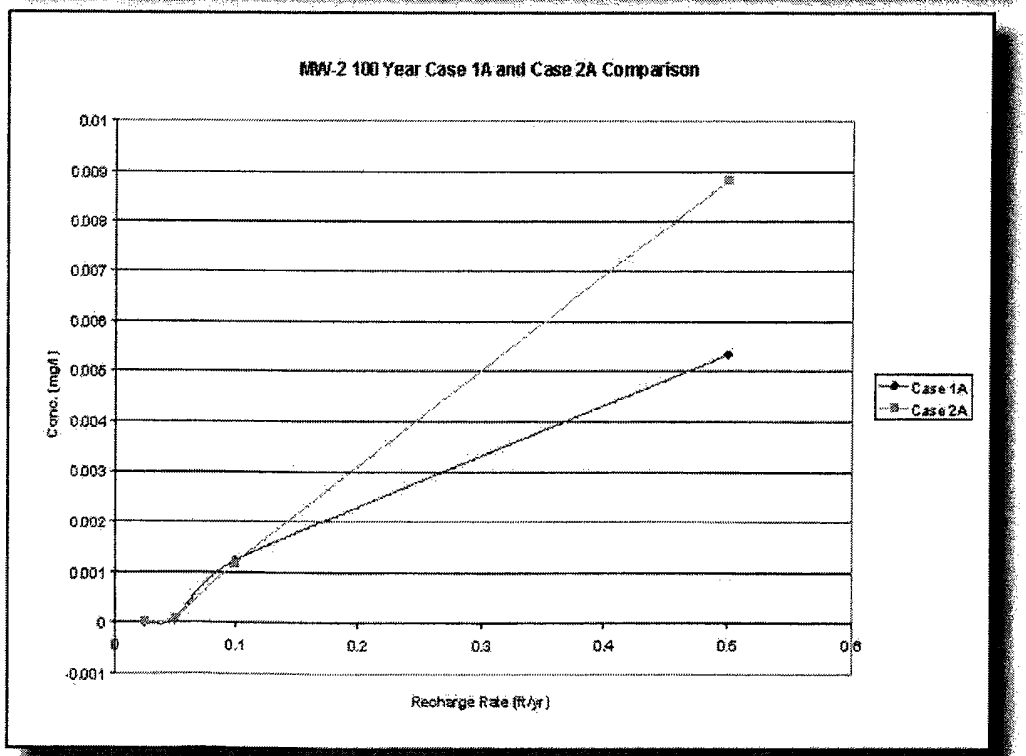
ug/l). The maximum and minimum concentrations are only reported from Case 1A and Case 2A.

Case 1A: Max: 0.0053 mg/l or 5.3 ug/l, at a 100 year duration with recharge rate of 0.5 ft/yr. Min: 2.51e-7 mg/l or 2.51e-4 ppb, at a 50 year duration with a recharge rate of 0.025 ft/yr.

Case 2A: Max: 0.0088 mg/l or 8.8 ppb, at a 100 year duration with a recharge rate of 0.5 ft/yr. Min: 1.27e-5 mg/l or 1.27e-2 ppb, at a 50 year duration with a recharge rate of 0.025 ft/yr.





Because Case 2 incorporated additional silty clay layers, with PCE contamination, that were assumed to have very similar properties to clay, Case 2 yielded higher PCE concentrations in both 50 and 100 year durations. At the maximum recharge rate (0.5 ft/yr), Case 2 yielded concentrations that were 2 times greater than Case 1. At the lowest recharge rate (0.025 ft/yr), Case 2 yielded concentrations that were between 30 to 50 times higher than Case 1. However, these concentrations ranged between 5.00e-5 mg/l and 1.00e-9 mg/l which is far below the MCL.

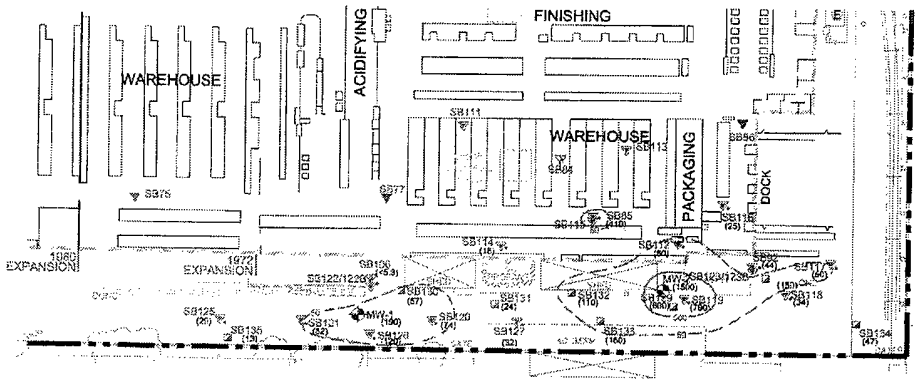
NGSC-GLU004747

Groundwater

Regional groundwater conditions with the basin have been monitored by the Orange County Water District and other agencies. The area surrounding the City of Fullerton and Anaheim is referred to as the Forebay Area within the groundwater management program initiated in the 1980s. As part of this monitoring program, a large regional groundwater plume was identified, and observation wells within the area are managed by the District. Data from these wells in the vicinity of the subject property was reviewed by ENTACT. These wells indicate a groundwater flow direction of west to northwest that is influenced by the public drinking water supply well, F-KIM1A, which extracts from the deeper aquifer present at 500 to 1200 ft bgs. This public supply well, F-KIM1A, is located on the northwest corner of the subject property, and one of the shallow aquifer observation wells, FM-5, is actually located on the southwest corner of the subject property. The observation well, FM-5, managed by the Orange County Water District to monitor regional groundwater quality contained TCE concentrations of 100 ug/l and PCE concentrations of 34.4 ug/l and in January 2006. The maximum historical TCE concentration observed in 1992 within this well was 766 ug/l. roundwater concentrations are above the MCL for TCE, PCE, and DCE as well as other constituents within the regional groundwater plume with TCE being the primary constituent. Refer to Appendix A for additional information on the regional groundwater quality wells.

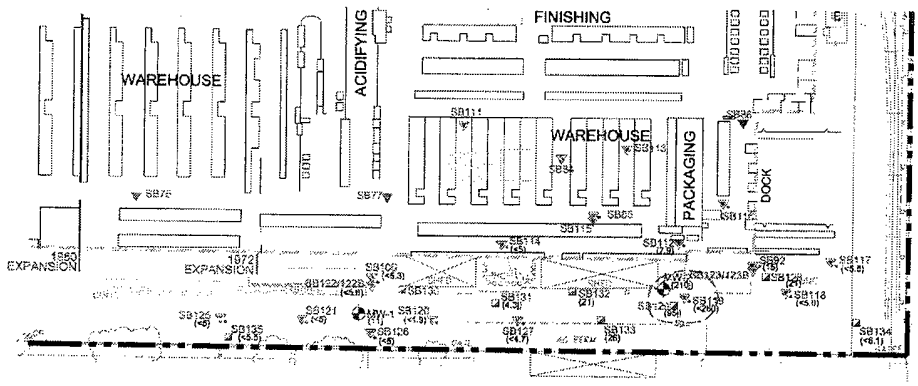
The regional groundwater quality observation well, FM-5, contains concentrations much higher than those present in monitor wells MW1 and MW2 installed within the soil impacted area at the subject property. Groundwater samples from monitor wells MW1 and MW2 contained PCE concentrations ranging from 3.7 to 10 ug/l and TCE concentrations ranging from 23 to 33 ug/l. Based on the regional groundwater flow direction, these wells are cross gradient to FM-5, located 960 feet to the west of monitor well MW1.

NGSC-GLU004748



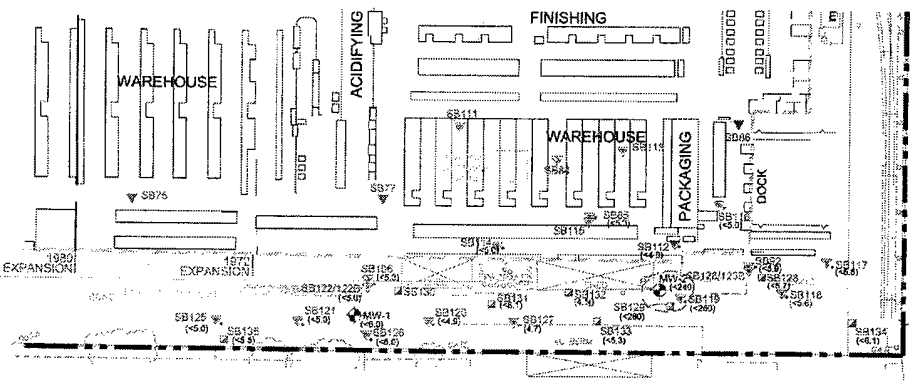
SOIL ISOCONCENTRATION MAP

PCE IN SOIL AT 4.5 - 5 FEET DEPTH (ug/kg)



SOIL ISOCONCENTRATION MAP

TCE IN SOIL AT 4.5 - 5 FOOT DEPTH (ug/kg)



SOIL ISOCONCENTRATION MAP

DCE IN SOIL AT 4.5 - 5 FOOT DEPTH (ug/kg)

SAMPLE LOCATIONS

- SOIL GAS SURVEY LOCATION FOR VOCs
- SOIL GAS SURVEY LOCATION FOR VOCs WITH ADJACENT SOIL BORING FOR VOCs
- TOTAL LEAD AND SOIL GAS SURVEY LOCATION FOR VOCs
- SOIL BORING LOCATION FOR VOCs
- TOTAL METALS (CAM17) AND SOIL GAS SURVEY LOCATION FOR VOCs
- ISOCONCENTRATION CONTOUR LINE
- (<1) SOIL CONCENTRATION (ug/kg)

(j) Estimated value less than the reportable limit but above the method detection limit.

N

0 25 50 75
SCALE IN FEET

SOIL ISOCONCENTRATION MAP

JOHNSON CONTROLS, INC.
FULLERTON, CA

FIGURE 3 - 1

NO.	DATE	REVISION	APP.

Scale: 1"=75' Drawn By: DM Checked By: JA Date: 5/2005

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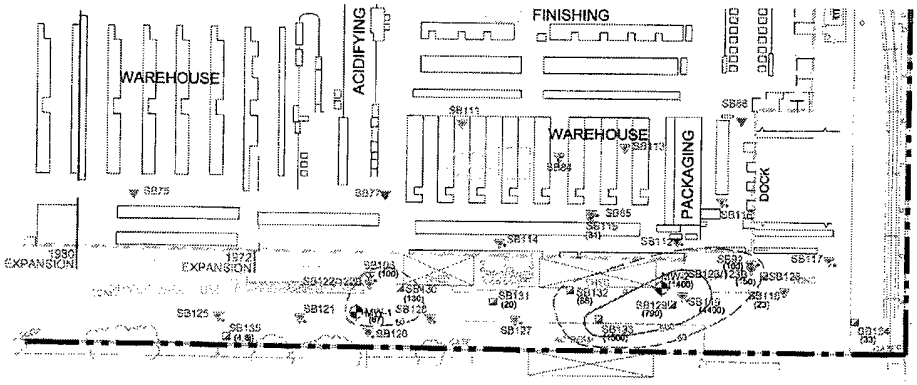
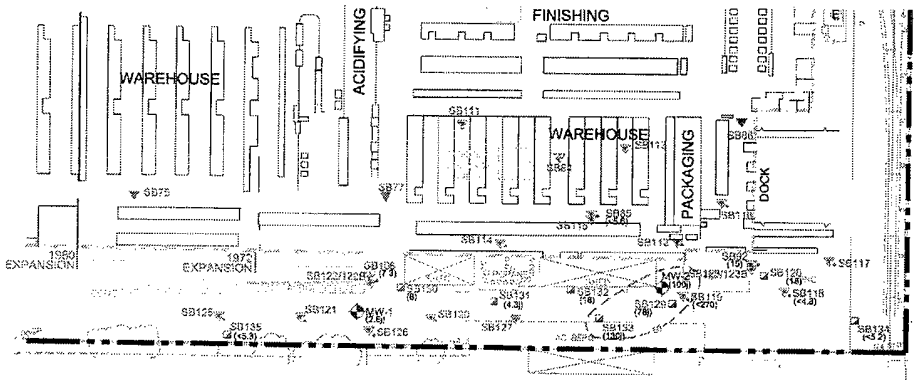
NGSC-GLU004749



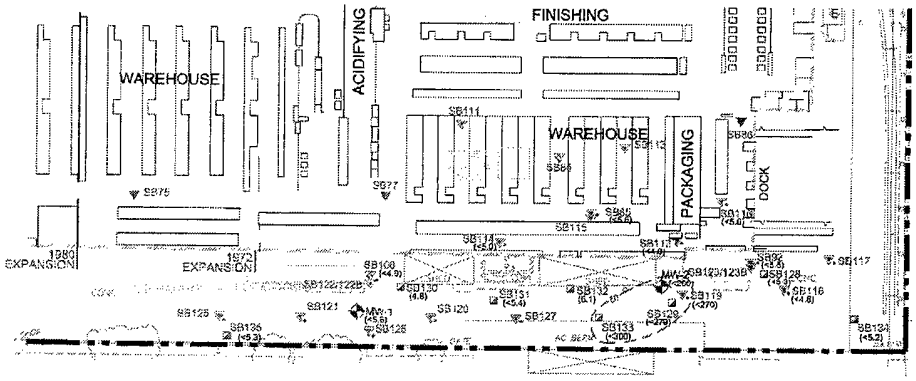
SOIL ISOCONCENTRATION MAP

PCE IN SOIL AT 9.5 - 10 FEET DEPTH (ug/kg)



SOIL ISOCONCENTRATION MAP

TCE IN SOIL AT 9.5 - 10 FEET DEPTH (ug/kg)



SOIL ISOCONCENTRATION MAP

DCE IN SOIL AT 9.5 - 10 FEET DEPTH (ug/kg)

SAMPLE LOCATIONS

- SOIL GAS SURVEY LOCATION FOR VOCs
- SOIL GAS SURVEY LOCATION FOR VOCs WITH ADJACENT SOIL BORING FOR VOCs
- TOTAL LEAD AND SOIL GAS SURVEY LOCATION FOR VOCs
- SOIL BORING LOCATION FOR VOCs
- TOTAL METALS (CAM17) AND SOIL GAS SURVEY LOCATION FOR VOCs
- ISOCONCENTRATION CONTOUR LINE
- (<1) SOIL CONCENTRATION (ug/kg)

( ) Estimated value less than the reportable limit but above the method detection limit

N

0 25 50 75
SCALE IN FEET

SOIL ISOCONCENTRATION MAP

JOHNSON CONTROLS, INC.
FULLERTON, CA

FIGURE 3 - 2

NO.	DATE	REVISION	APP.

Scale: [illegible] Drawn By: [illegible] Checked By: [illegible] Date: [illegible]

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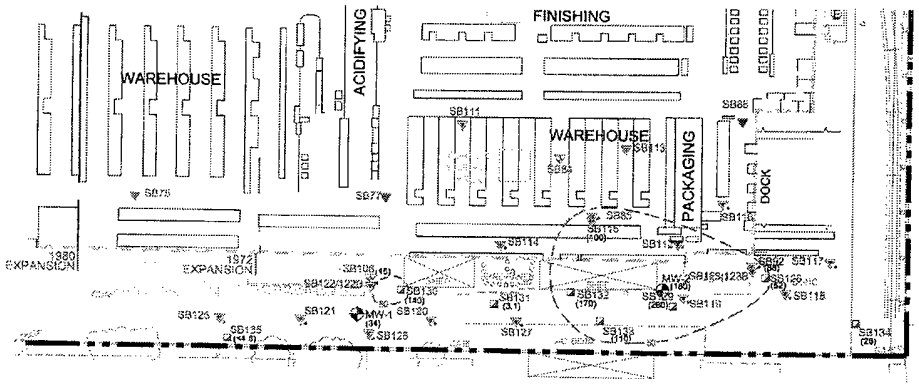
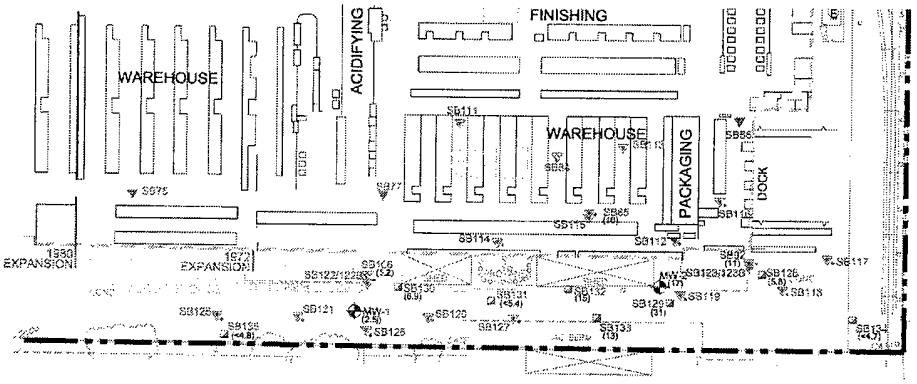


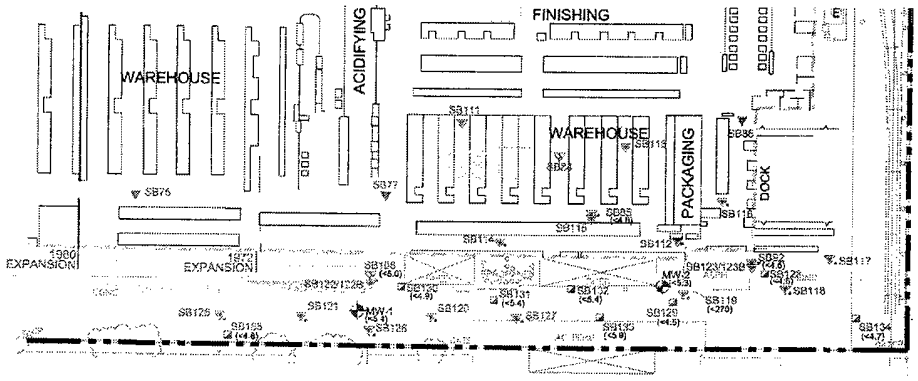
SOIL ISOCONCENTRATION MAP

PCE IN SOIL AT 19.5 - 20 FEET DEPTH (ug/kg)



SOIL ISOCONCENTRATION MAP

TCE IN SOIL AT 19.5 - 20 FEET DEPTH (ug/kg)



SOIL ISOCONCENTRATION MAP

DCE IN SOIL AT 19.5 - 20 FEET DEPTH (ug/kg)

SAMPLE LOCATIONS

- SOIL GAS SURVEY LOCATION FOR VOCs
- SOIL GAS SURVEY LOCATION FOR VOCs WITH ADJACENT SOIL BORING FOR VOCs
- TOTAL LEAD AND SOIL GAS SURVEY LOCATION FOR VOCs
- SOIL BORING LOCATION FOR VOCs
- TOTAL METALS (CAM17) AND SOIL GAS SURVEY LOCATION FOR VOCs
- ISOCONCENTRATION CONTOUR LINE
- (<1) SOIL CONCENTRATION (ug/kg)

(1) Estimated value less than the reportable limit but above the method detection limit.

N

0 25 50 75

SCALE IN FEET

SOIL ISOCONCENTRATION MAP

JOHNSON CONTROLS, INC.
FULLERTON, CA

FIGURE 3 - 3

NO.	DATE	REVISION	APP.

Scale: 1"=75' Drawn By: DM Checked By: JA Date: 5/2/08

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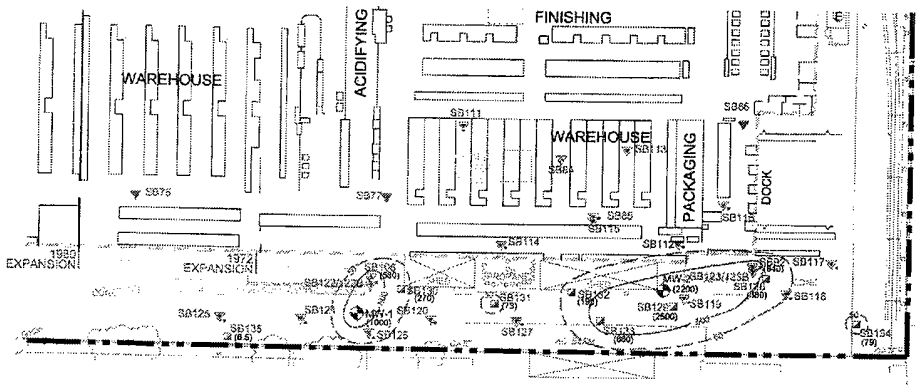
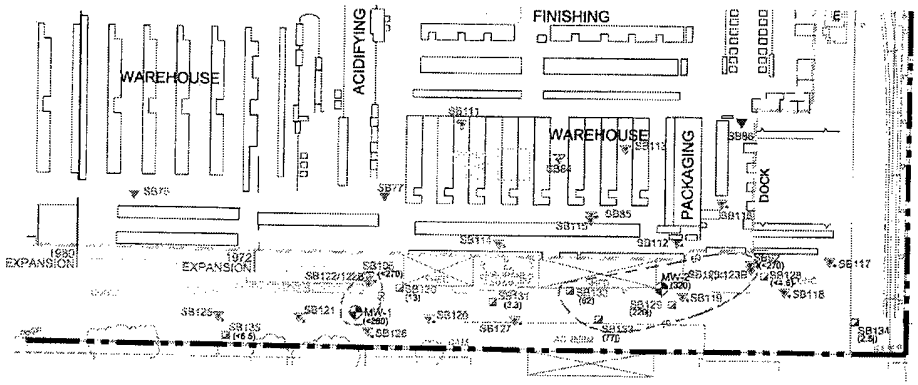


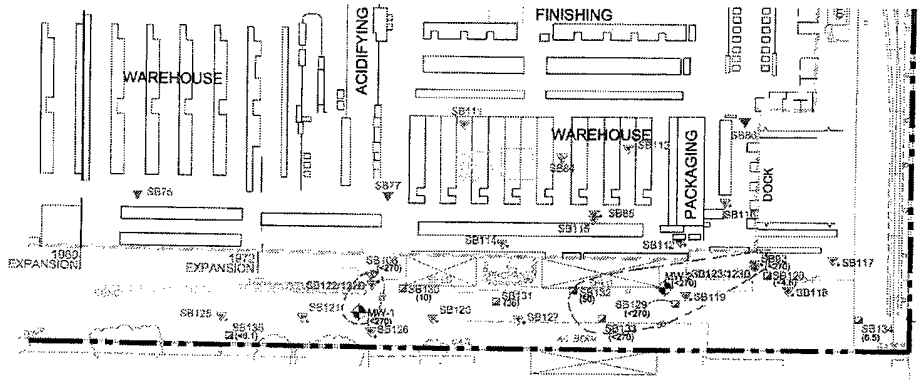
SOIL ISOCONCENTRATION MAP

PCE IN SOIL AT 29.5 - 30 FEET DEPTH (ug/kg)



SOIL ISOCONCENTRATION MAP

TCE IN SOIL AT 29.5 - 30 FEET DEPTH (ug/kg)



SOIL ISOCONCENTRATION MAP

DCE IN SOIL AT 29.5 - 30 FEET DEPTH (ug/kg)

SAMPLE LOCATIONS

- SOIL GAS SURVEY LOCATION FOR VOCs
- SOIL GAS SURVEY LOCATION FOR VOCs WITH ADJACENT SOIL BORING FOR VOCs
- TOTAL LEAD AND SOIL GAS SURVEY LOCATION FOR VOCs
- SOIL BORING LOCATION FOR VOCs
- TOTAL METALS (CAM17) AND SOIL GAS SURVEY LOCATION FOR VOCs
- ISOCONCENTRATION CONTOUR LINE
- (<1) SOIL CONCENTRATION (ug/kg)

(J) Estimated value less than the reportable limit but above the method detection limit.

N

0 25 50 75
SCALE IN FEET

SOIL ISOCONCENTRATION MAP

JOHNSON CONTROLS, INC.
FULLERTON, CA

FIGURE 3 - 4

NO	DATE	REVISION	APP.

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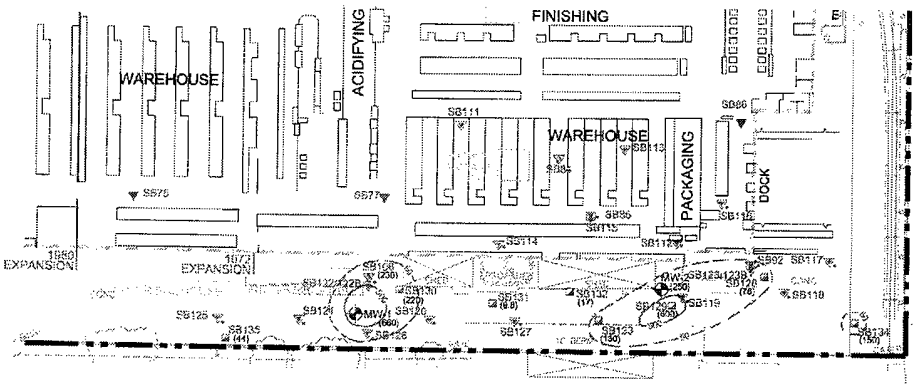
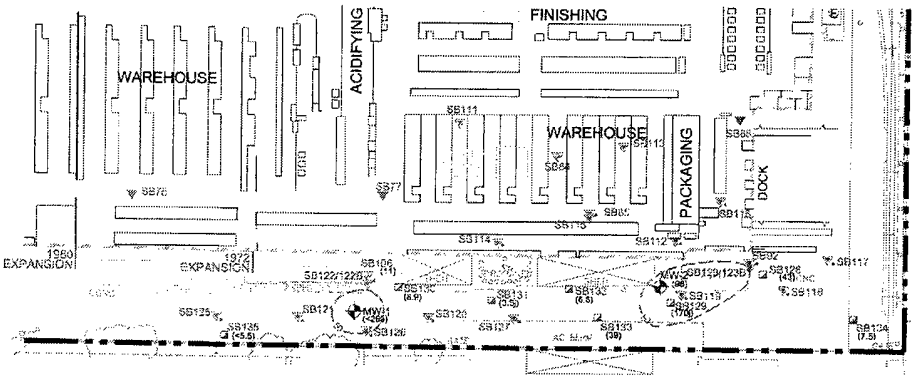
NGSC-GLU004752



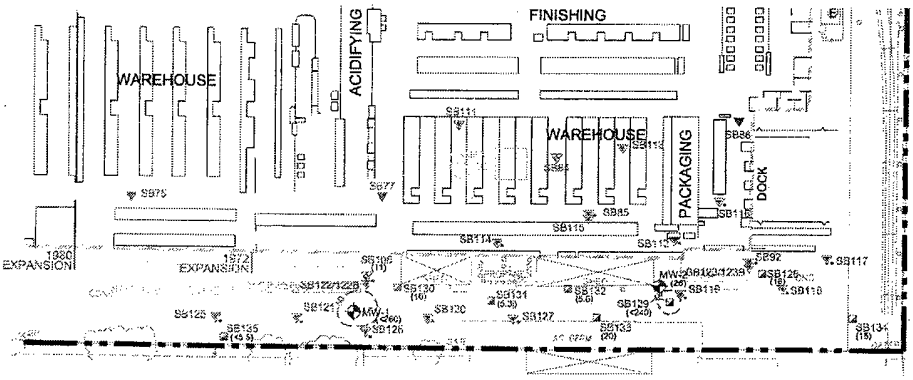
SOIL ISOCONCENTRATION MAP

PCE IN SOIL AT 39.5 - 40 FEET DEPTH (ug/kg)



SOIL ISOCONCENTRATION MAP

TCE IN SOIL AT 39.5 - 40 FEET DEPTH (ug/kg)



SOIL ISOCONCENTRATION MAP

DCE IN SOIL AT 39.5 - 40 FEET DEPTH (ug/kg)

SAMPLE LOCATIONS

- SOIL GAS SURVEY LOCATION FOR VOCs
- SOIL GAS SURVEY LOCATION FOR VOCs WITH ADJACENT SOIL BORING FOR VOCs
- TOTAL LEAD AND SOIL GAS SURVEY LOCATION FOR VOCs
- SOIL BORING LOCATION FOR VOCs
- TOTAL METALS (CAM17) AND SOIL GAS SURVEY LOCATION FOR VOCs
- ISOCONCENTRATION CONTOUR LINE
- (<1) SOIL CONCENTRATION (ug/kg)

( ) Estimated value less than the reportable limit but above the method detection limit.

N

0 25 50 75

SCALE IN FEET

SOIL ISOCONCENTRATION MAP

JOHNSON CONTROLS, INC.
FULLERTON, CA

FIGURE 3 - 5

NO.	DATE	REVISION	APP.

Scale: 1"=70' Drawn By: DM Checked By: JA Date: 5/2006

ENTACT

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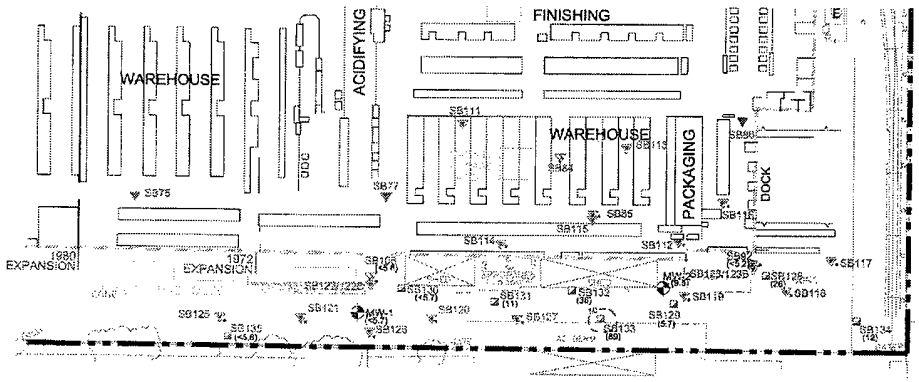
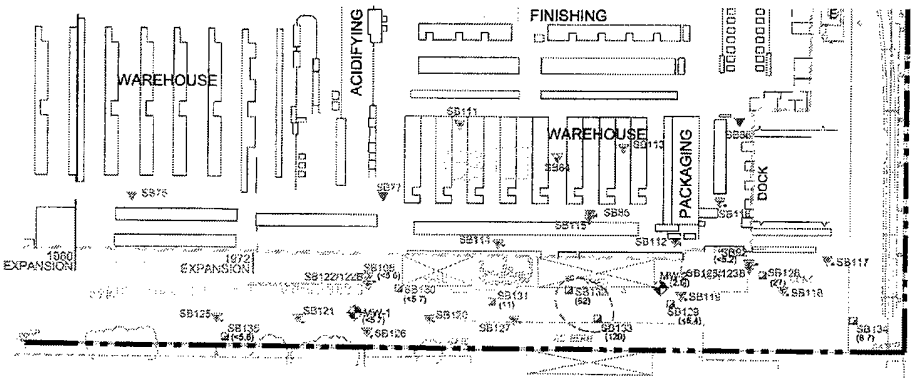


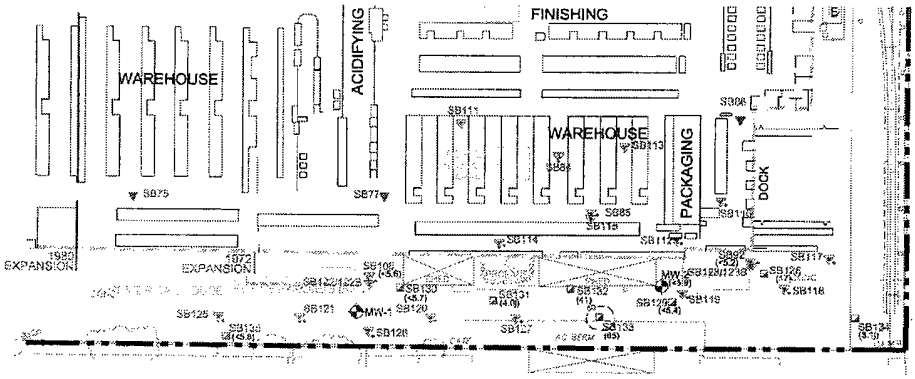
SOIL ISOCONCENTRATION MAP

PCE IN SOIL AT 49.5 - 50 FEET DEPTH (ug/kg)



SOIL ISOCONCENTRATION MAP

TCE IN SOIL AT 49.5 - 50 FEET DEPTH (ug/kg)



SOIL ISOCONCENTRATION MAP

DCE IN SOIL AT 49.5 - 50 FEET DEPTH (ug/kg)

SAMPLE LOCATIONS

- SOIL GAS SURVEY LOCATION FOR VOCs
- SOIL GAS SURVEY LOCATION FOR VOCs WITH ADJACENT SOIL BORING FOR VOCs
- TOTAL LEAD AND SOIL GAS SURVEY LOCATION FOR VOCs
- SOIL BORING LOCATION FOR VOCs
- TOTAL METALS (CAM17) AND SOIL GAS SURVEY LOCATION FOR VOCs
- ISOCONCENTRATION CONTOUR LINE
- (<1) SOIL CONCENTRATION (ug/kg)

(J) Estimated value less than the reportable limit but above the method detection limit.

N

0 25 50 75
SCALE IN FEET

SOIL ISOCONCENTRATION MAP	JOHNSON CONTROLS, INC. FULLERTON, CA	NO.	DATE	REVISION	APP.
	FIGURE 3 - 6	Scale:	Drawn By:	Checked By:	Date:

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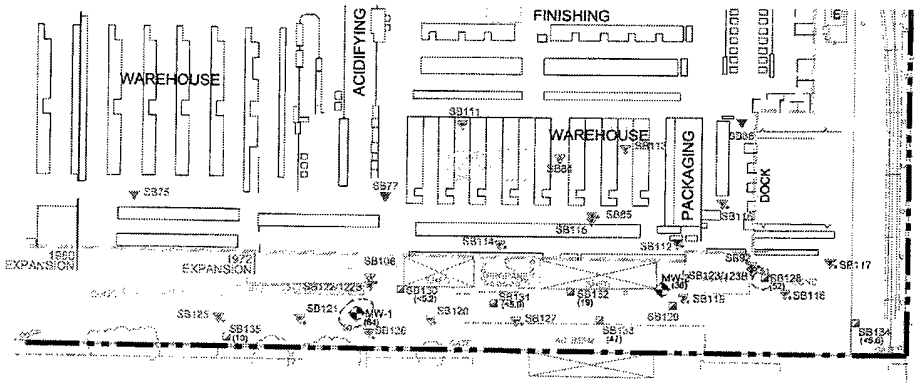
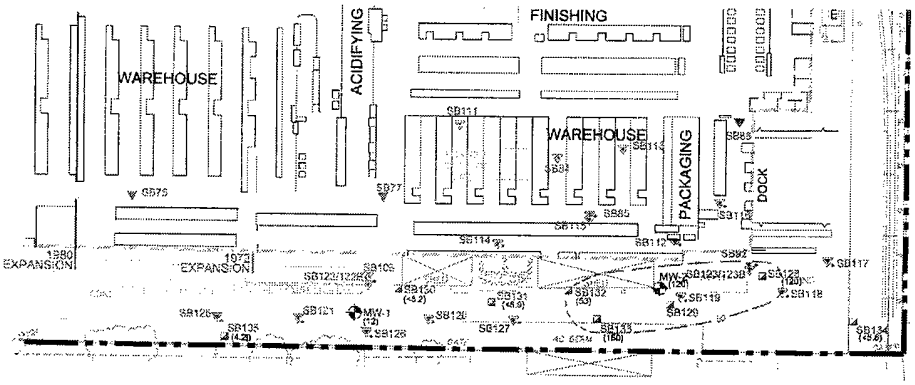


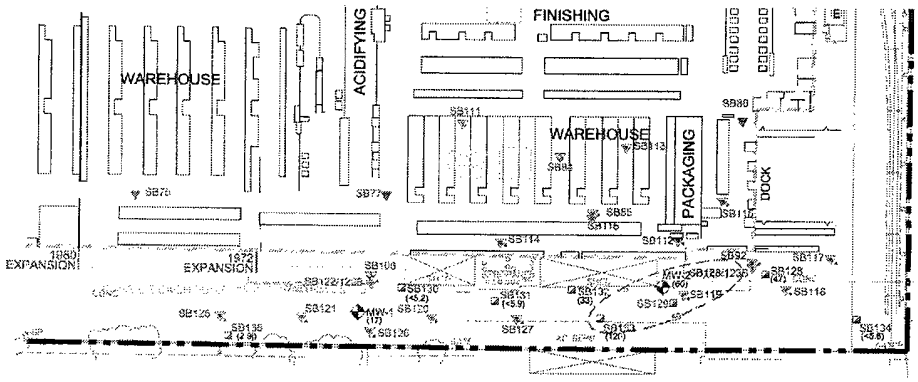
SOIL ISOCONCENTRATION MAP

PCE IN SOIL AT 59.5 - 60 FEET DEPTH (ug/kg)



SOIL ISOCONCENTRATION MAP

TCE IN SOIL AT 59.5 - 60 FEET DEPTH (ug/kg)



SOIL ISOCONCENTRATION MAP

DCE IN SOIL AT 59.5 - 60 FEET DEPTH (ug/kg)

SAMPLE LOCATIONS

- SOIL GAS SURVEY LOCATION FOR VOCs
- SOIL GAS SURVEY LOCATION FOR VOCs WITH ADJACENT SOIL BORING FOR VOCs
- TOTAL LEAD AND SOIL GAS SURVEY LOCATION FOR VOCs
- SOIL BORING LOCATION FOR VOCs
- TOTAL METALS (CAM17) AND SOIL GAS SURVEY LOCATION FOR VOCs
- ISOCONCENTRATION CONTOUR LINE
- (<1) SOIL CONCENTRATION (ug/kg)

(j) Estimated value less than the reportable limit but above the method detection limit.

N

0 25 50 75
SCALE IN FEET

SOIL ISOCONCENTRATION MAP

JOHNSON CONTROLS, INC.
FULLERTON, CA

FIGURE 3 - 7

NO.	DATE	REVISION	APP.

Scale: [illegible] Drawn By: DM Checked By: JA Date: [illegible]

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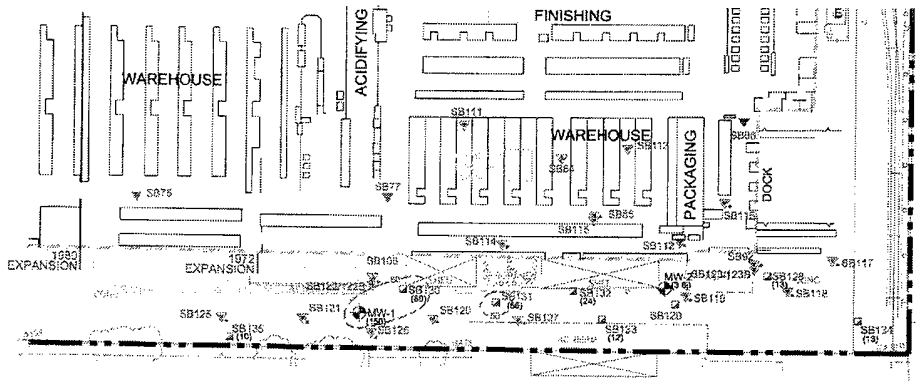
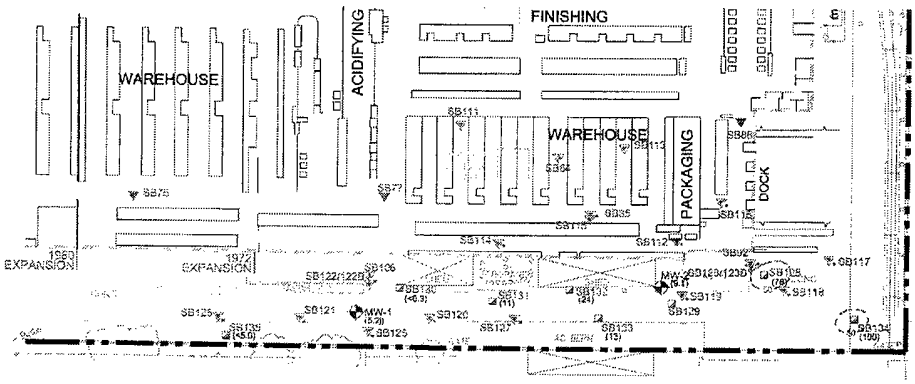
NGSC-GLU004755



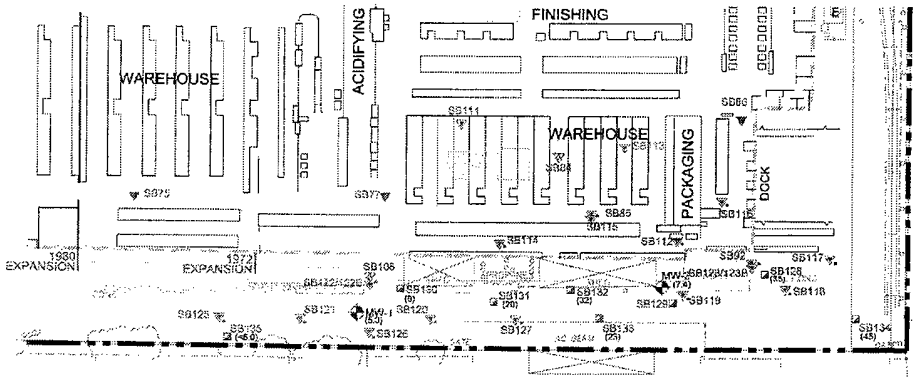
SOIL ISOCONCENTRATION MAP

PCE IN SOIL AT 69.5 - 70 FEET DEPTH (ug/kg)



SOIL ISOCONCENTRATION MAP

TCE IN SOIL AT 69.5 - 70 FEET DEPTH (ug/kg)



SOIL ISOCONCENTRATION MAP

DCE IN SOIL AT 69.5 - 70 FEET DEPTH (ug/kg)

SAMPLE LOCATIONS

- SOIL GAS SURVEY LOCATION FOR VOCs
- SOIL GAS SURVEY LOCATION FOR VOCs WITH ADJACENT SOIL BORING FOR VOCs
- TOTAL LEAD AND SOIL GAS SURVEY LOCATION FOR VOCs
- SOIL BORING LOCATION FOR VOCs
- TOTAL METALS (CAM17) AND SOIL GAS SURVEY LOCATION FOR VOCs
- ISOCONCENTRATION CONTOUR LINE
- (<1) SOIL CONCENTRATION (ug/kg)

(j) Estimated value less than the reportable limit but above the method detection limit

N

0 25 50 75
SCALE IN FEET

SOIL ISOCONCENTRATION MAP

JOHNSON CONTROLS, INC.
FULLERTON, CA

FIGURE 3 - 8

NO.	DATE	REVISION	APP.

Scale: 1"=20' Drawn By: DM Checked By: JA Date: 5/2006

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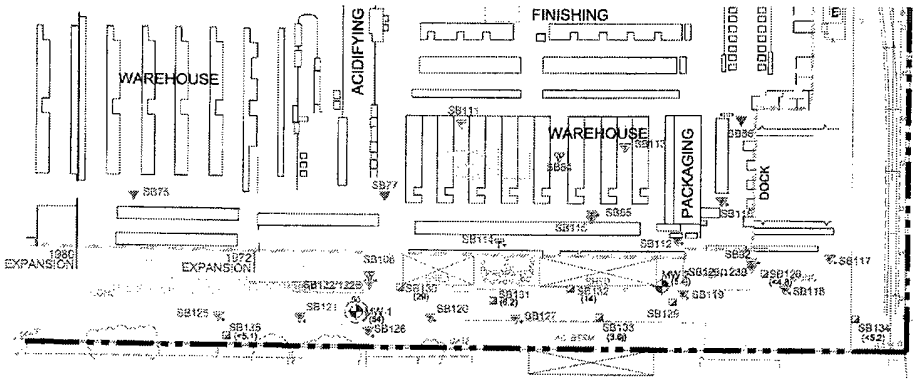
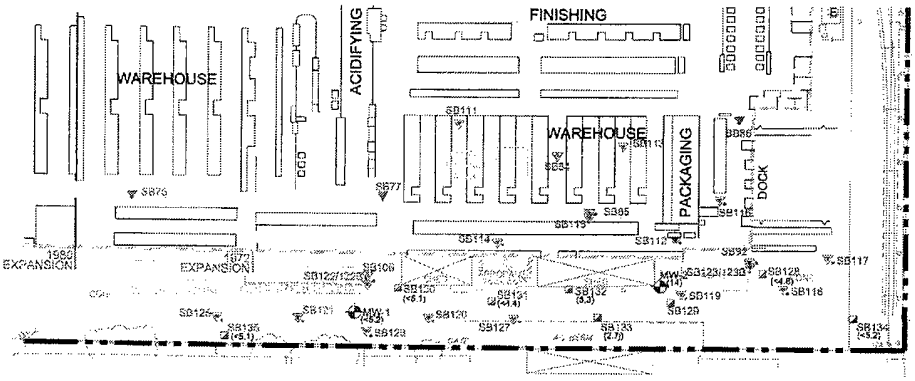
NGSC-GLU004756



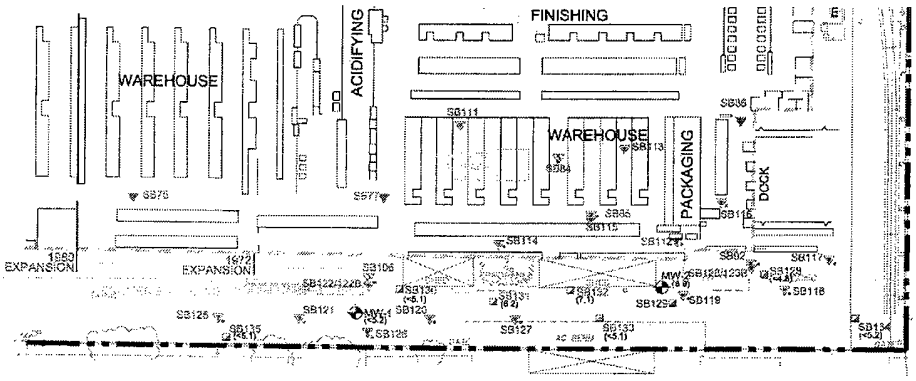
SOIL ISOCONCENTRATION MAP

PCE IN SOIL AT 79.5 - 80 FEET DEPTH (ug/kg)



SOIL ISOCONCENTRATION MAP

TCE IN SOIL AT 79.5 - 80 FEET DEPTH (ug/kg)



SOIL ISOCONCENTRATION MAP

DCE IN SOIL AT 79.5 - 80 FEET DEPTH (ug/kg)

SAMPLE LOCATIONS

- SOIL GAS SURVEY LOCATION FOR VOCs
- SOIL GAS SURVEY LOCATION FOR VOCs WITH ADJACENT SOIL BORING FOR VOCs
- TOTAL LEAD AND SOIL GAS SURVEY LOCATION FOR VOCs
- SOIL BORING LOCATION FOR VOCs
- TOTAL METALS (CAM17) AND SOIL GAS SURVEY LOCATION FOR VOCs
- ISOCONCENTRATION CONTOUR LINE
- (<1) SOIL CONCENTRATION (ug/kg)

(J) Estimated value less than the reportable limit but above the method detection limit.

N

0 25 50 75
SCALE IN FEET

SOIL ISOCONCENTRATION MAP

JOHNSON CONTROLS, INC.
FULLERTON, CA

FIGURE 3 - 9

NO.	DATE	REVISION	APP.

Scale: | Drawn By: DM | Checked By: JA | Date: 2/2/08

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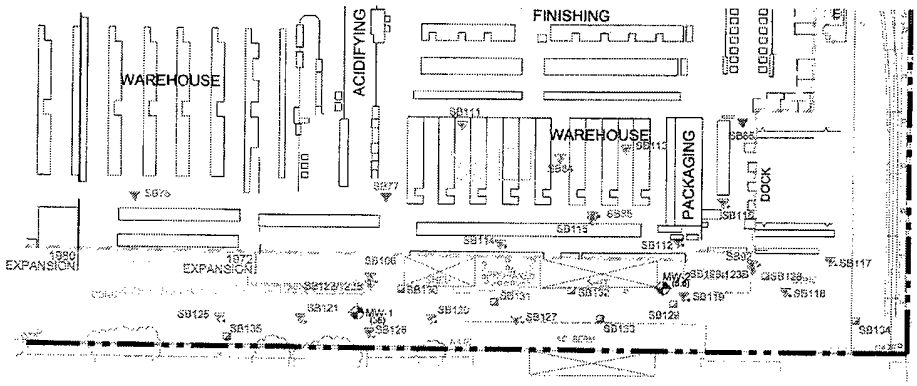
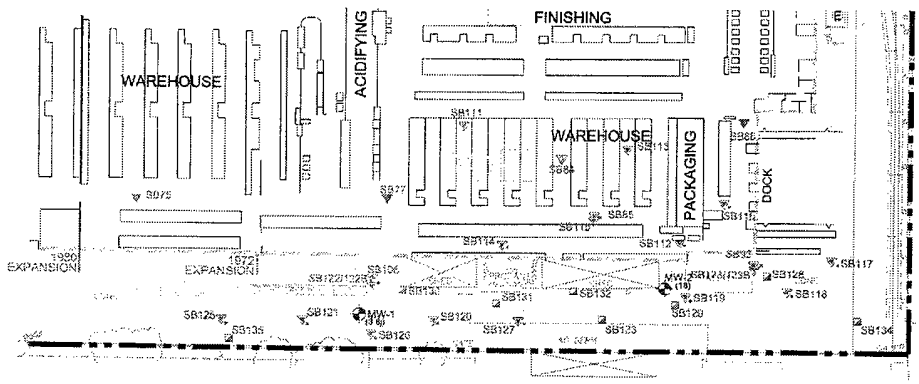
NGSC-GLU004757



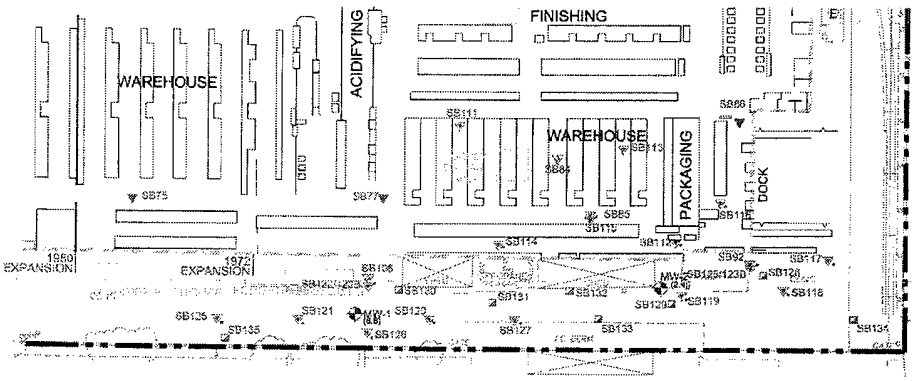
SOIL ISOCONCENTRATION MAP

PCE IN SOIL AT 89.5 - 90 FEET DEPTH (ug/kg)



SOIL ISOCONCENTRATION MAP

TCE IN SOIL AT 89.5 - 90 FEET DEPTH (ug/kg)



SOIL ISOCONCENTRATION MAP

DCE IN SOIL AT 89.5 - 90 FEET DEPTH (ug/kg)

SAMPLE LOCATIONS

- SOIL GAS SURVEY LOCATION FOR VOCs
- SOIL GAS SURVEY LOCATION FOR VOCs WITH ADJACENT SOIL BORING FOR VOCs
- TOTAL LEAD AND SOIL GAS SURVEY LOCATION FOR VOCs
- SOIL BORING LOCATION FOR VOCs
- TOTAL METALS (CAM17) AND SOIL GAS SURVEY LOCATION FOR VOCs
- ISOCONCENTRATION CONTOUR LINE
- (<1) SOIL CONCENTRATION (ug/kg)

(j) Estimated value less than the reportable limit but above the method detection limit.

N

0 25 50 75
SCALE IN FEET

SOIL ISOCONCENTRATION MAP

JOHNSON CONTROLS, INC.
FULLERTON, CA

FIGURE 3 - 10

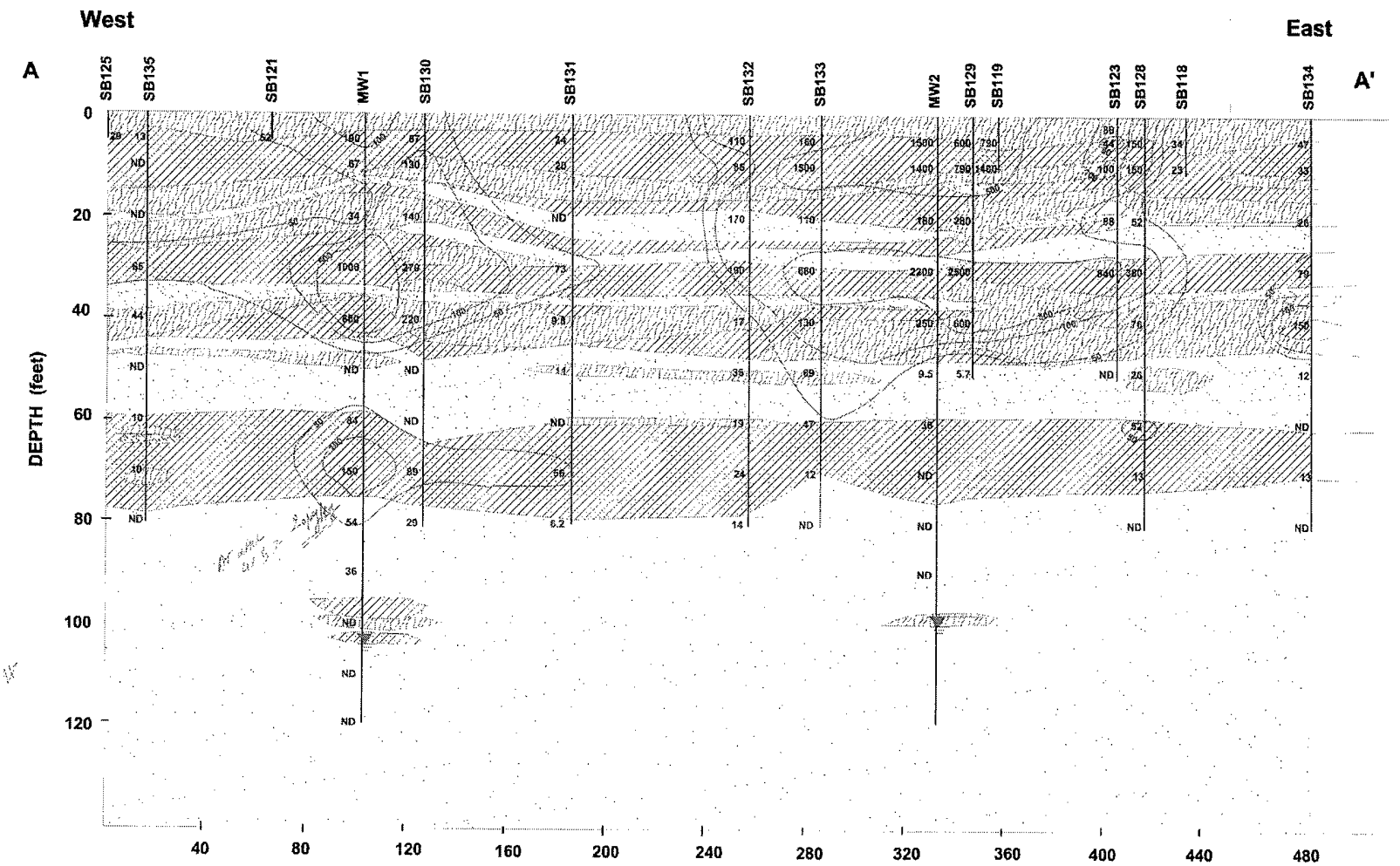
NO.	DATE	REVISION	APP.

Scale: 1"=75' Drawn By: DM Checked By: JA Date: 5/2006

ENTACT

3129 Bass Pro Drive • Grapevine, TX 76051
(972) 550-1323 • Fax (972) 550-7464

NGSC-GLU004758



LEGEND

- SILT, SANDY SILT, CLAYEY SILT (ML)
- SAND, SILTY SAND, CLAYEY SAND (SM, SP, SW, SC)
- CLAY, SILTY CLAY, SANDY CLAY (CL - CH)
- WATER LEVEL
- 50 PCE CONCENTRATIONS IN SOIL, ug/kg

SCALE

Horizontal 1" = 40'
Vertical 1" = 20'

ENTACT environmental services
3129 Bass Pro Drive • Grapevine, TX 76051
(972) 580-1323 • Fax (972) 580-7464

NO.	DATE	REVISION	APP.

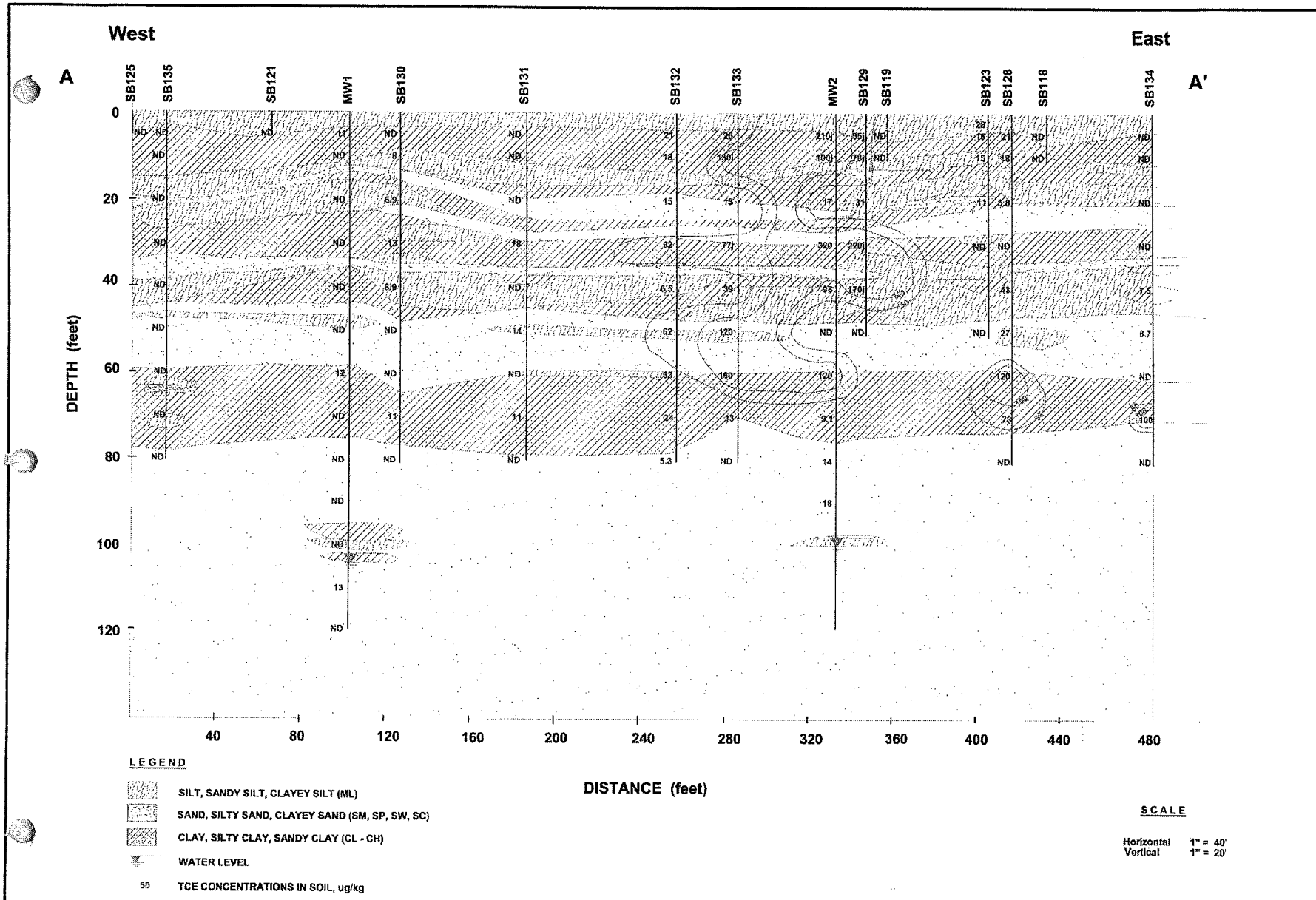
Scale: 1"=50' | Drawn By: DJ | Checked By: CK | Date: 6/2/00

JOHNSON CONTROLS, INC.
FULLERTON, CA

FIGURE 3-11

GEOLOGIC CROSS SECTION
SECTION A - A' - PCE

NGSC-GLU004759



ENTACT

JOHNSON CONTROLS, INC.
FULLERTON, CA

FIGURE 3-12

GEOLOGIC CROSS SECTION
SECTION A - A' - TCE

NGSC-GLU004760

CONCLUSIONS 4.0

Site investigations have been performed to evaluate the historic influences of facility operations on subsurface conditions. A total of 137 soil boring locations have been evaluated for inorganic and organic constituents throughout the facility. The sample results and conclusions for the inorganic assessment are presented in the *Facility Investigation Report* dated March 2006. Based upon the site characteristics and analytical data obtained during the recent site investigation activities, ENTACT has reached the following conclusions regarding organic constituents at the subject property:

- Soil samples obtained near electrical transformers present on the east side of the subject property did not contain PCB concentrations above the laboratory detection limit.

- Soil samples collected in the maintenance area, former storage area, former wastewater treatment unit area, and former underground storage tank area were below the laboratory detection limit for each respective SVOC analyte.

- An extensive soil gas survey indicated the presence of chlorinated hydrocarbons (PCE, TCE and DCE) in the shallow subsurface soil gas in the southeast corner of the facility. The potential source for this impacted area has not been clearly identified but appears to be concentrated in the driveway between the main building and the southern boundary of the property.

- Subsequent soil sampling and analysis in this area have confirmed the presence of subsurface soil containing chlorinated hydrocarbons to a depth of approximately 70 to 90 feet bgs. The highest soil concentrations are present in the upper clay layer at a depth of approximately 30 feet bgs within two general areas. This upper clay layer contains soil concentrations ranging from 65 to 2,500 ug/kg with PCE being the primary constituent of concern. Concentrations beneath this upper clay layer diminsh with depth, ranging from <4.8 to 54 ug/kg PCE at a depth of 80 feet bgs. TCE, DCE, and cis-DCE were also detected in lesser concentrations.

- The results of shallow soil sampling and analysis indicate that the concentrations of chlorinated hydrocarbons in soil samples collected from 2 to 10 feet bgs are lower than the USEPA Regional IX preliminary remediation goal for direct contact exposure with the exception of PCE concentations in two areas. These two areas contained a maximum PCE concentration of 1,500 ug/kg which is slightly above the default direct contact PRG value of 1,300 ug/kg for PCE. When compared statistically within the entire data set for soils above a depth of 10 feet bgs, the 95% upper confidence limit for each constituent was well below the direct contact exposure criteria for industrial sites. Based on this information, the health risk associated with direct exposure to shallow soil in the chlorinated hydrocarbon impacted area appears to be low.

- A preliminary screening evaluation was performed on the data obtained from the soil gas survey to determine if the inhalation pathway posed a risk to human health. A vapor intrusion risk evaluation was conducted using the Johnson & Ettinger Model as modified by DTSC using site-specific geotechnical soil properties and industrial worker exposure parameters to calculate Incremental Risk and Hazard Quotient values for carcinogenic and noncarcinogenic constituents, respectively. Results of modeling indicated that no individual or cumulative constituent concentrations at a depth of 5 feet bgs rendered an incremental life time cancer risk greater than 1×10^{-6} or noncancer hazard quotient of greater than 1. Thus, the concentrations of soil gas contaminants identified in shallow soils beneath the subject property do not pose a potential human health hazard due to indoor vapor intrusion.

NGSC-GLU004761

- Site soils consist of intermixed silty clays, clays, clayey silts, sandy silts, sandy clays, and sand. Shallow soils consist of silt and sandy silt ranging in thickness from 2 to 6 feet. Beneath the surficial silts is a cohesive layer which extends essentially continuously throughout the area. This cohesive layer consists predominantly of silty and sandy clays ranging in thickness from 4 to 12 feet. Beneath this clay layer are interfingering deposits of silts, sands and clays to an average depth of approximately 28 feet where another continuous clay layer is found with an average thickness of 5 feet. Below the second continuous clay layer are again found interfingering deposits of silts, sands and clays. The base of these deposits is a continuous sand formation that is approximately 10 feet thick. This sand layer lies on a continuous moderate to highly plastic clay found at approximately 60 feet bgs and has an average thickness of about 15 feet. This competent and impervious clay strata would be considered as an aquitard to the underlying sand formation found below the clay. This lower clay layer is consistent across the subject property and was also encountered during the drilling of the regional groundwater observation wells, according to the logs.

- The vadose zone leaching model was used to simulate the vertical migration of organic contaminants through the unsaturated zone at the subject property to evaluate the soil to groundwater pathway. Soil concentrations and lithology present in the most heavily impacted areas of concern were input in the VLEACH model using various scenarios, recharge rates, and site specific data. Since PCE is the primary constituent of concern and has similar chemical properties to the underlying constituents, PCE was used for the modeling scenarios. The modeling indicated that under most conditions the predicted future concentrations of PCE leaching through the lower clay layer were below the MCL, 5 ug/l, in a 50 and 100 year time frame. When all of the silt and clay layers were modeled together in one of the areas using the maximum recharge rate, the model yielded a PCE concentration of 5.3 ug/l and 8.83 ug/l in 50 and 100 year durations, respectively. Although this area, containing the highest site concentrations of PCE, has an attenuation zone almost 30 feet thick, the model predicted that this area could produce a leachate slightly greater than the MCL in the future under specific conditions. Based on the soil leachate modeling results, the PCE concentration that could potentially leach to the uppermost groundwater bearing zone is less than the drinking water standard (MCL) of 5 ug/l in most scenarios; however, a modeled worst case scenario indicates that PCE may leach a concentration above the MCL but significantly below the current PCE concentrations in groundwater.

- The first groundwater bearing zone beneath the southeast portion of the subject property was encountered at a depth of approximately 100 feet bgs, and the localized groundwater flow direction is estimated to be northwest. The regional groundwater conditions have been monitored by several regulatory agencies since the 1980s. Groundwater concentrations are above the MCL for TCE, PCE, and DCE as well as other constituents within the regional groundwater plume with TCE being the primary constituent. The nearest regional groundwater quality observation well, located on the southwest corner of the subject property, contains concentrations much higher than those present in monitor wells installed within the most soil impacted areas at the subject property.

NGSC-GLU004762

SIGNATURES 5.0

This *Facility Investigation Report Addedum* dated July 2006 has been prepared by ENTACT under the professional supervision of the staff whose signatures appears hereon.

The scope of work has been completed in accordance with generally accepted professional geologic and engineering practices. There is no other warranty either expressed or implied.

Kurt Ahlich
Professional Engineer

8/11/06
Date

REGISTERED PROFESSIONAL ENGINEER
KURT AHLICH
No. C-53868
12/30/07
RENEWAL DATE
STATE OF CALIFORNIA

Greg Rainwater
Professional Geologist

July 31, 2006
Date

STATE OF TEXAS
Greg L. Rainwater
Geology
2046
LICENSED
PROFESSIONAL GEOSCIENTIST

REFERENCES 6.0

California Environmental Protection Agency. 1996. *Supplement Guidance for Human Health Multimedia Risk Assessments of Hazardous Waste Sites and Permitted Facilities*

Department of Toxic Substances Control. July 1995. *Guidelines for Hydrogeologic Characterization of Hazardous Release Sites,* Volume 1: Field Investigation Manual.

Department of Toxic Substances Control. July 1995. *Guidelines for Hydrogeologic Characterization of Hazardous Release Sites,* Volume 2: Project Management Manual.

United States Environmental Protection Agency. October 2004. *Region IX Preliminary Remediation Goals (PRGs).* USEPA Region XI Solid and Hazardous Waste Program.

United States Environmental Protection Agency. November 1986. *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,* SW-846, and as amended by Update I (July, 1992), Update II (September, 1994), Update IIA (August, 1993), and IIB (January, 1995) and Update III (June 1997).

United States Environmental Protection Agency: *Guidance Document for the Implementation of Method 5035 - Methodologies for Collection, Preservation, Storage, and Preparation of Soils to be Analyzed for Volatile Organic Compounds* (DTSC, 2004).

United States Environmental Protection Agency: *ProUCL Version 3.0,* EPA/600/R04/079, April 2004.

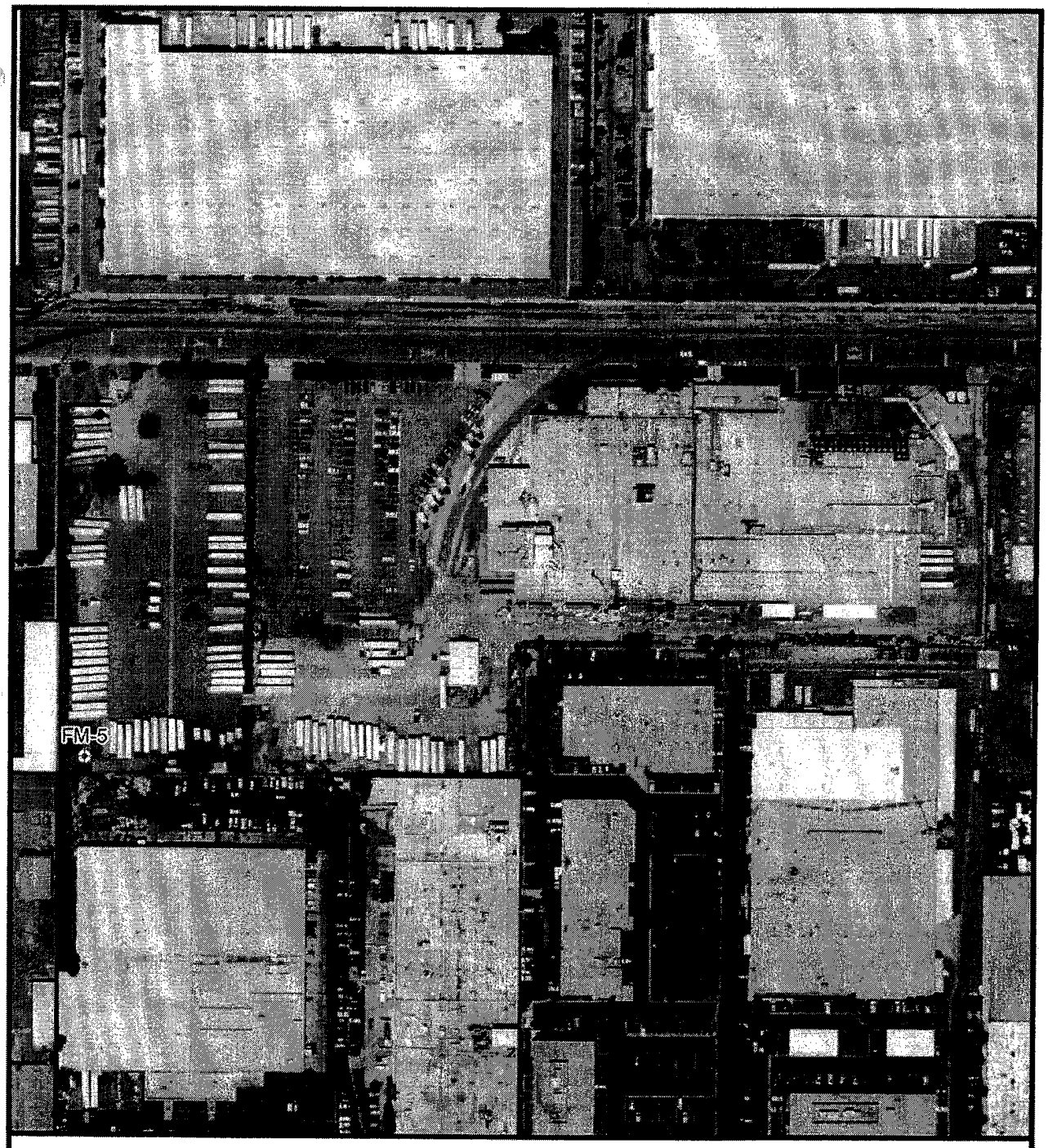
United States Environmental Protection Agency: *Risk Assessment Guidance Document for Superfund Volume I, Human Health Evaluation Manual, Interim Final,* EPA/540/1-89-002, December 1989.

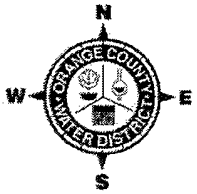
NGSC-GLU004764

JOHNSON CONTROLS

Appendix A

Regional Groundwater Quality Information





200 0 200 Feet

Location of OCWD Monitoring Well FM-5

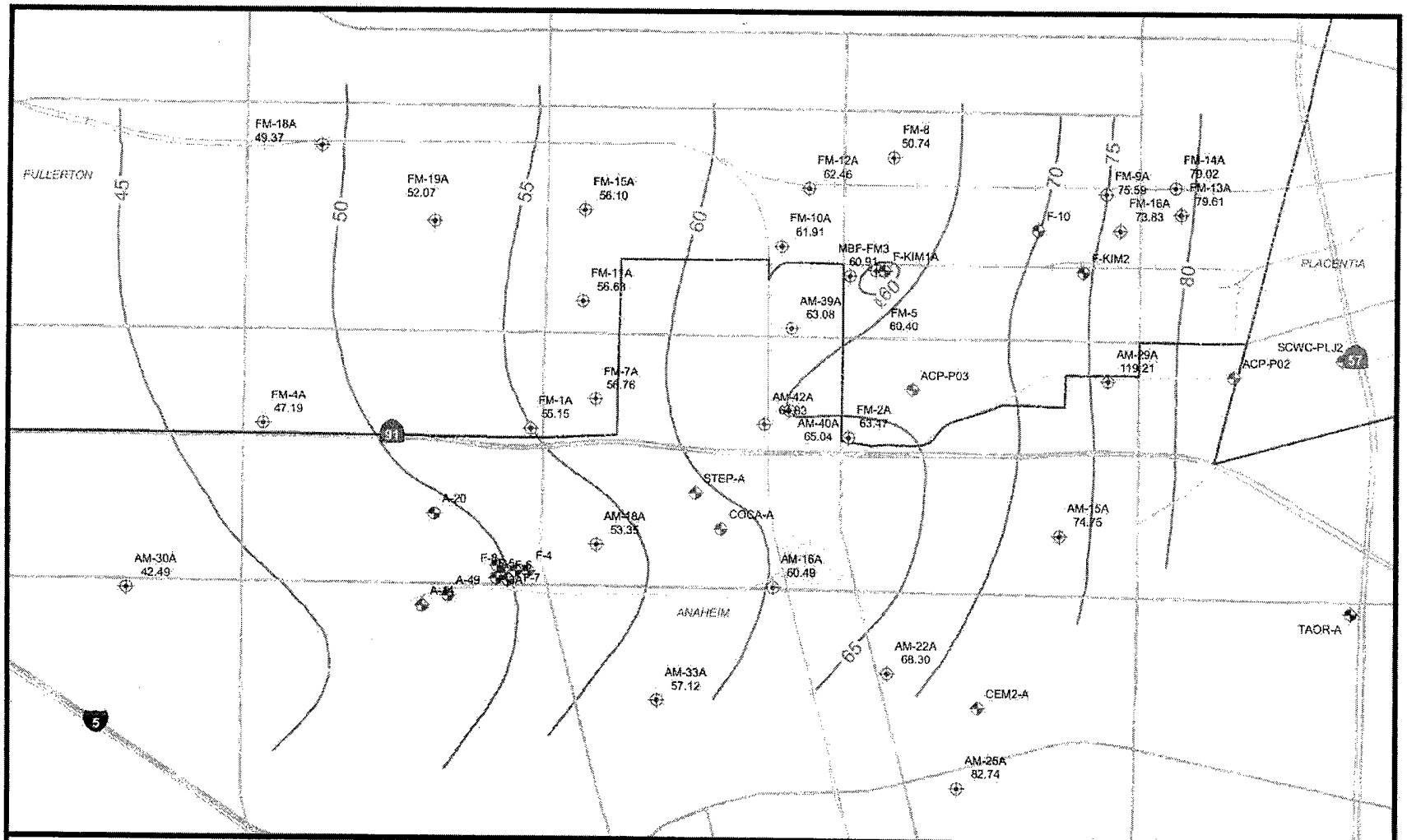


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Figure 2
Shallow Groundwater Contours - August 2005

ORANGE COUNTY WATER DISTRICT
GENERAL WELL INFORMATION

Well Site Name	Well Type	Well Subtype	Well Use	Well Status	Bore Depth	Lithlog	Elog	Date Drilled	Elev GS	Casing Seq #	Elev RP	Cased Depth	Perforations Top	Perforations Bottom
F-KIM1A	PRODUCT	SINGLE	LGSYS	ACTIVE	1353	Y	Y	05/01/2002	172.00	1	174.00	1295	500	1225
FM-5	MONITOR	SINGLE	TESTING	ACTIVE	142	Y	N	02/25/1992	167.04	1	166.66	141	121	141

NGSC-GLU004768

ORANGE COUNTY WATER DISTRICT
LITHOLOGIC LOG INFORMATION

Well Name:	**FM-5**	**Drilling Method:**	**HOLLOW STEM AUGER**
State Well Number:	**03S/10W-35N02**	**Date Drilled:**	**02/25/1992**
Log Source:	**DEPT. WATER RES. DRILLERS RPT.**	**Borehole Depth:**	**142** **GS Elev.: 167**

Depth Interval From	To	Thickness	Summary Description	Detailed Description
0	10	10	CLAY	Brown clay
10	20	10	SAND WITH SILT	Brown silty sand - fine grained
20	30	10	SAND AND SILT and CLAY	Brown silty sand with clay
30	60	30	SAND	Sand - Brown, fine to medium grained
60	70	10	CLAY	Brown clay
70	90	20	SAND WITH CLAY	Sand with clay - brown clay sand
90	110	20	SAND WITH SILT	Sand with silt - brown silty sand
110	120	10	SAND	Brown sand medium grained
120	130	10	SAND WITH GRAVEL	Brown sand medium with fine gravel
130	140	10	SAND WITH SILT	Brown silt and silty sand, fine grained

NOTE: All depths in feet below ground surface.

NGSC-GLU004769

ORANGE COUNTY WATER DISTRICT
WATER LEVEL REPORT

Date	Time	Time Period	Elev RP	Depth to Water	Elev WS	WL Status	Method Abbr.	Comments
Station Name: FM-5/1	***Perfs: 121-141***	***Elev. GS: 167.04***		***Aquifer: UNDEFINED***				
02/04/2005	11:00:00	MONTHLY	166.66	110.03	56.63	STATIC	ELEC	
05/16/2005	11:31:00	MONTHLY	166.66	112.87	53.79	STATIC	ELEC	
06/27/2005	10:26:00	MONTHLY	166.66	110.14	56.52	STATIC	ELEC	
08/20/2005	12:42:00	MONTHLY	166.66	106.26	60.40	STATIC	ELEC	
10/27/2005	12:15:00	MONTHLY	166.66	101.00	65.66	STATIC	ELEC	

All depths and elevations in feet. ***02/21/2006 09:45 OCWD WRMS RPT#: 3047 Page: 1***

Abbreviations:

Elev GS -- Elevation of Ground SurfaceWL Status -- Water Level Status
Elev RP -- Elevation of Reference PointPerfs -- Perforated Interval
Elev WS -- Elevation of Water Surface

ORANGE COUNTY WATER DISTRICT
WATER LEVEL REPORT

Date	Time	Time Period	Elev RP	Depth to Water	Elev WS	WL Status	Method Abbr.	Comments
Station Name: FM-5/1	***SWN: 03S/10W-35N02***	***Perfs: 121-141***	***Elev. GS: 167.04***	***Aquifer: UNDEFINED***				
03/08/2006	08:37:00	MONTHLY	166.66	94.50	72.16	STATIC	ELEC	

All depths and elevations in feet. ***07/13/2006 16:11 OCWD WRMS RPT#: 2153 Page: 1***

Abbreviations:

Elev GS -- Elevation of Ground SurfaceWL Status -- Water Level Status
Elev RP -- Elevation of Reference PointPerfs -- Perforated Interval
Elev WS -- Elevation of Water Surface

ORANGE COUNTY WATER DISTRICT
WATER QUALITY RESULTS

STATION NAME: FM-5/1
PARAMETER: Tetrachloroethene

Sample Date	Time	WRMS Group ID	WRMS Sample ID	Laboratory Sample #	Depth	Result	RDL	Units	Data Set	Access
02/25/1992		21099	24590			ND	0.500	ug/L	HIST	EXTERNAL
03/23/1992		21103	24591			ND	0.500	ug/L	HIST	EXTERNAL
09/17/1992		21104	24592			TR	0.500	ug/L	HIST	EXTERNAL
03/23/1993	10:25:00	5800	17877	OCWD9311611		TR	0.500	ug/L	HIST	EXTERNAL
06/11/1993	11:10:00	12642	18578	OCWD9314490		0.6	0.500	ug/L	HIST	EXTERNAL
06/08/1994	11:00:00	94010971	94016028	OCWD9417545		8.0	0.500	ug/L	HIST	EXTERNAL
02/17/1995	12:30:00	95002100	95004268	OCWD9511739		ND	0.500	ug/L	HIST	EXTERNAL
07/17/1995	10:00:00	95009761	95014817	OCWD9519070		3.1	0.500	ug/L	HIST	EXTERNAL
10/27/1995	09:20:00	95014037	95021954	OCWD9524825		4.3	0.500	ug/L	HIST	EXTERNAL
01/26/1996	10:50:00	96001092	96002101	OCWD9611392		4.2	0.500	ug/L	HIST	EXTERNAL
04/18/1996	13:15:00	96006534	96009811	OCWD9615642		5.1	0.500	ug/L	HIST	EXTERNAL
10/25/1996	11:15:00	96020200	96028581	OCWD9625893		3.9	0.500	ug/L	HIST	EXTERNAL
01/20/1997	12:10:00	97001930	97002572	97010137-02		3.6	0.500	ug/L	HIST	EXTERNAL
05/15/1997	13:45:00	97010167	97014182	97050527-02		4.8	0.500	ug/L	HIST	EXTERNAL
09/19/1997	14:20:00	97018068	97026603	97090701-02		5.2	0.500	ug/L	HIST	EXTERNAL
06/10/1998	12:20:00	98011907	98019476	98060281-02		6.6	0.500	ug/L	HIST	EXTERNAL
10/13/1998	14:45:00	98024130	98036402	98100388-02		12.9	0.500	ug/L	HIST	EXTERNAL
05/14/1999	11:20:00	99008680	99014688	99050390-02		16.2	0.500	ug/L	HIST	EXTERNAL
12/02/1999	13:55:00	99018725	99028632	99120082-02		14.7	0.500	ug/L	HIST	EXTERNAL
04/27/2000	12:10:00	55911	59046	00040785-02		22.6	0.500	ug/L	HIST	EXTERNAL
08/14/2000	14:15:00	63075	70935	00080376-02		30.2	0.500	ug/L	HIST	EXTERNAL
12/11/2000	13:00:00	73009	82567	00120257-02		46.1	0.500	ug/L	HIST	EXTERNAL
06/14/2001	10:10:00	1012744	1020131	01060527-03		29.9	0.500	ug/L	HIST	EXTERNAL
07/09/2001	13:10:00	1015040	1025014	01070210-03		20.6	0.500	ug/L	HIST	EXTERNAL
12/08/2001	16:20:00	1028690	2001212	01120302-04		26.0	0.500	ug/L	HIST	EXTERNAL
01/16/2003	09:50:00	3000969	3004368	03010349-02		59.8	0.500	ug/L	HIST	EXTERNAL
04/13/2004	11:00:00	4003450	4007831	04040354-02		43.1	0.500	ug/L	HIST	EXTERNAL
08/18/2004	12:05:00	4010495	4022141	04080593-02		39.8	0.500	ug/L	HIST	EXTERNAL
12/07/2005	09:40:00	5010995	6000016	05120098-02		43.3	0.500	ug/L	HIST	EXTERNAL
01/25/2006	13:50:00	6000786	6002895	06010593-02		34.4	0.500	ug/L	HIST	EXTERNAL
06/15/2006	11:45:00	6005451	6012189	06060334-02		32.5	0.500	ug/L	HIST	EXTERNAL

Notes: RDL = Reportable Detection Limit
HIST = Historical, Approved Data
TEMP = Temporary, Unapproved Data
TEMP (P) = Temporary, Unapproved Data Marked as PENDING

NGSC-GLU004772

ORANGE COUNTY WATER DISTRICT
WATER QUALITY RESULTS

STATION NAME: FM-5/1
PARAMETER: Trichloroethene

Sample Date	Time	WRMS Group ID	WRMS Sample ID	Laboratory Sample #	Depth	Result	RDL	Units	Data Set	Access
02/25/1992		21099	24590			280	0.500	ug/L	HIST	EXTERNAL
03/23/1992		21103	24591			51.0	0.500	ug/L	HIST	EXTERNAL
09/17/1992		21104	24592			766	0.500	ug/L	HIST	EXTERNAL
03/23/1993	10:25:00	5800	17877	OCWD9311611		490	0.500	ug/L	HIST	EXTERNAL
06/11/1993	11:10:00	12642	18578	OCWD9314490		640.0	0.500	ug/L	HIST	EXTERNAL
06/08/1994	11:00:00	94010971	94016028	OCWD9417545		290	0.500	ug/L	HIST	EXTERNAL
02/17/1995	12:30:00	95002100	95004268	OCWD9511739		170	0.500	ug/L	HIST	EXTERNAL
07/17/1995	10:00:00	95009761	95014817	OCWD9519070		109.6	0.500	ug/L	HIST	EXTERNAL
10/27/1995	09:20:00	95014037	95021954	OCWD9524825		120	0.500	ug/L	HIST	EXTERNAL
01/26/1996	10:50:00	96001092	96002101	OCWD9611392		153.3	0.500	ug/L	HIST	EXTERNAL
04/18/1996	13:15:00	96006534	96009811	OCWD9615642		161	0.500	ug/L	HIST	EXTERNAL
10/25/1996	11:15:00	96020200	96028581	OCWD9625893		110	0.500	ug/L	HIST	EXTERNAL
01/20/1997	12:10:00	97001930	97002572	97010137-02		71.1	0.500	ug/L	HIST	EXTERNAL
05/15/1997	13:45:00	97010167	97014182	97050527-02		84.5	0.500	ug/L	HIST	EXTERNAL
09/19/1997	14:20:00	97018068	97026603	97090701-02		100	0.500	ug/L	HIST	EXTERNAL
06/10/1998	12:20:00	98011907	98019476	98060281-02		98.4	0.500	ug/L	HIST	EXTERNAL
10/13/1998	14:45:00	98024130	98036402	98100388-02		80.3	0.500	ug/L	HIST	EXTERNAL
05/14/1999	11:20:00	99008680	99014688	99050390-02		104	0.500	ug/L	HIST	EXTERNAL
12/02/1999	13:55:00	99018725	99028632	99120082-02		137	0.500	ug/L	HIST	EXTERNAL
04/27/2000	12:10:00	55911	59046	00040785-02		69.0	0.500	ug/L	HIST	EXTERNAL
08/14/2000	14:15:00	63075	70935	00080376-02		143	0.500	ug/L	HIST	EXTERNAL
12/11/2000	13:00:00	73009	82567	00120257-02		74.8	0.500	ug/L	HIST	EXTERNAL
06/14/2001	10:10:00	1012744	1020131	01060527-03		175	0.500	ug/L	HIST	EXTERNAL
07/09/2001	13:10:00	1015040	1025014	01070210-03		123	0.500	ug/L	HIST	EXTERNAL
12/08/2001	16:20:00	1028690	2001212	01120302-04		81.4	0.500	ug/L	HIST	EXTERNAL
01/16/2003	09:50:00	3000969	3004368	03010349-02		208	0.500	ug/L	HIST	EXTERNAL
04/13/2004	11:00:00	4003450	4007831	04040354-02		108	0.500	ug/L	HIST	EXTERNAL
08/18/2004	12:05:00	4010495	4022141	04080593-02		110	0.500	ug/L	HIST	EXTERNAL
12/07/2005	09:40:00	5010995	6000016	05120098-02		93.0	0.500	ug/L	HIST	EXTERNAL
01/25/2006	13:50:00	6000786	6002895	06010593-02		100	0.500	ug/L	HIST	EXTERNAL
06/15/2006	11:45:00	6005451	6012189	06060334-02		58.0	0.500	ug/L	HIST	EXTERNAL

Notes: RDL = Reportable Detection Limit
HIST = Historical, Approved Data
TEMP = Temporary, Unapproved Data
TEMP (P) = Temporary, Unapproved Data Marked as PENDING

NGSC-GLU004773

ORANGE COUNTY WATER DISTRICT
WATER QUALITY RESULTS

STATION NAME: FM-5/1
PARAMETER: 1,1-Dichloroethene

Sample Date	Time	WRMS Group ID	WRMS Sample ID	Laboratory Sample #	Depth	Result	RDL	Units	Data Set	Access
02/25/1992		21099	24590			7.7	0.500	ug/L	HIST	EXTERNAL
03/23/1992		21103	24591			1.0	0.500	ug/L	HIST	EXTERNAL
09/17/1992		21104	24592			11.8	0.500	ug/L	HIST	EXTERNAL
03/23/1993	10:25:00	5800	17877	OCWD9311611		15.1	0.500	ug/L	HIST	EXTERNAL
06/11/1993	11:10:00	12642	18578	OCWD9314490		21.8	0.500	ug/L	HIST	EXTERNAL
06/08/1994	11:00:00	94010971	94016028	OCWD9417545		24.9	0.500	ug/L	HIST	EXTERNAL
02/17/1995	12:30:00	95002100	95004268	OCWD9511739		9.1	0.500	ug/L	HIST	EXTERNAL
07/17/1995	10:00:00	95009761	95014817	OCWD9519070		6.8	0.500	ug/L	HIST	EXTERNAL
10/27/1995	09:20:00	95014037	95021954	OCWD9524825		8.4	0.500	ug/L	HIST	EXTERNAL
01/26/1996	10:50:00	96001092	96002101	OCWD9611392		8.7	0.500	ug/L	HIST	EXTERNAL
04/18/1996	13:15:00	96006534	96009811	OCWD9615642		9.5	0.500	ug/L	HIST	EXTERNAL
10/25/1996	11:15:00	96020200	96028581	OCWD9625893		7.2	0.500	ug/L	HIST	EXTERNAL
01/20/1997	12:10:00	97001930	97002572	97010137-02		5.1	0.500	ug/L	HIST	EXTERNAL
05/15/1997	13:45:00	97010167	97014182	97050527-02		10.2	0.500	ug/L	HIST	EXTERNAL
09/19/1997	14:20:00	97018068	97026603	97090701-02		10.1	0.500	ug/L	HIST	EXTERNAL
06/10/1998	12:20:00	98011907	98019476	98060281-02		9.0	0.500	ug/L	HIST	EXTERNAL
10/13/1998	14:45:00	98024130	98036402	98100388-02		6.8	0.500	ug/L	HIST	EXTERNAL
05/14/1999	11:20:00	99008680	99014688	99050390-02		8.1	0.500	ug/L	HIST	EXTERNAL
12/02/1999	13:55:00	99018725	99028632	99120082-02		6.0	0.500	ug/L	HIST	EXTERNAL
04/27/2000	12:10:00	55911	59046	00040785-02		5.9	0.500	ug/L	HIST	EXTERNAL
08/14/2000	14:15:00	63075	70935	00080376-02		12.8	0.500	ug/L	HIST	EXTERNAL
12/11/2000	13:00:00	73009	82567	00120257-02		11.3	0.500	ug/L	HIST	EXTERNAL
06/14/2001	10:10:00	1012744	1020131	01060527-03		24.8	0.500	ug/L	HIST	EXTERNAL
07/09/2001	13:10:00	1015040	1025014	01070210-03		15.5	0.500	ug/L	HIST	EXTERNAL
12/08/2001	16:20:00	1028690	2001212	01120302-04		10.8	0.500	ug/L	HIST	EXTERNAL
01/16/2003	09:50:00	3000969	3004368	03010349-02		23.2	0.500	ug/L	HIST	EXTERNAL
04/13/2004	11:00:00	4003450	4007831	04040354-02		14.6	0.500	ug/L	HIST	EXTERNAL
08/18/2004	12:05:00	4010495	4022141	04080593-02		13.9	0.500	ug/L	HIST	EXTERNAL
12/07/2005	09:40:00	5010995	6000016	05120098-02		10.7	0.500	ug/L	HIST	EXTERNAL
01/25/2006	13:50:00	6000786	6002895	06010593-02		10.9	0.500	ug/L	HIST	EXTERNAL
06/15/2006	11:45:00	6005451	6012189	06060334-02		6.7	0.500	ug/L	HIST	EXTERNAL

Notes: RDL = Reportable Detection Limit
HIST = Historical, Approved Data
TEMP = Temporary, Unapproved Data
TEMP (P) = Temporary, Unapproved Data Marked as PENDING

NGSC-GLU004774

ORANGE COUNTY WATER DISTRICT
WATER QUALITY RESULTS

STATION NAME: FM-5/1
PARAMETER: cis-1,2-Dichloroethene

Sample Date	Time	WRMS Group ID	WRMS Sample ID	Laboratory Sample #	Depth	Result	RDL	Units	Data Set	Access
03/23/1992		21103	24591			ND	0.500	ug/L	HIST	EXTERNAL
09/17/1992		21104	24592			28.3	0.500	ug/L	HIST	EXTERNAL
06/08/1994	11:00:00	94010971	94016028	OCWD9417545		1.2	0.500	ug/L	HIST	EXTERNAL
02/17/1995	12:30:00	95002100	95004268	OCWD9511739		TR	0.500	ug/L	HIST	EXTERNAL
07/17/1995	10:00:00	95009761	95014817	OCWD9519070		ND	0.500	ug/L	HIST	EXTERNAL
10/27/1995	09:20:00	95014037	95021954	OCWD9524825		ND	0.500	ug/L	HIST	EXTERNAL
01/26/1996	10:50:00	96001092	96002101	OCWD9611392		ND	0.500	ug/L	HIST	EXTERNAL
04/18/1996	13:15:00	96006534	96009811	OCWD9615642		ND	0.500	ug/L	HIST	EXTERNAL
10/25/1996	11:15:00	96020200	96028581	OCWD9625893		ND	0.500	ug/L	HIST	EXTERNAL
01/20/1997	12:10:00	97001930	97002572	97010137-02		ND	0.500	ug/L	HIST	EXTERNAL
05/15/1997	13:45:00	97010167	97014182	97050527-02		ND	0.500	ug/L	HIST	EXTERNAL
09/19/1997	14:20:00	97018068	97026603	97090701-02		ND	0.500	ug/L	HIST	EXTERNAL
06/10/1998	12:20:00	98011907	98019476	98060281-02		ND	0.500	ug/L	HIST	EXTERNAL
10/13/1998	14:45:00	98024130	98036402	98100388-02		ND	0.500	ug/L	HIST	EXTERNAL
05/14/1999	11:20:00	99008680	99014688	99050390-02		ND	0.500	ug/L	HIST	EXTERNAL
12/02/1999	13:55:00	99018725	99028632	99120082-02		TR	0.500	ug/L	HIST	EXTERNAL
04/27/2000	12:10:00	55911	59046	00040785-02		ND	0.500	ug/L	HIST	EXTERNAL
08/14/2000	14:15:00	63075	70935	00080376-02		ND	0.500	ug/L	HIST	EXTERNAL
12/11/2000	13:00:00	73009	82567	00120257-02		ND	0.500	ug/L	HIST	EXTERNAL
06/14/2001	10:10:00	1012744	1020131	01060527-03		ND	0.500	ug/L	HIST	EXTERNAL
07/09/2001	13:10:00	1015040	1025014	01070210-03		ND	0.500	ug/L	HIST	EXTERNAL
12/08/2001	16:20:00	1028690	2001212	01120302-04		1.0	0.500	ug/L	HIST	EXTERNAL
01/16/2003	09:50:00	3000969	3004368	03010349-02		ND	0.500	ug/L	HIST	EXTERNAL
04/13/2004	11:00:00	4003450	4007831	04040354-02		ND	0.500	ug/L	HIST	EXTERNAL
08/18/2004	12:05:00	4010495	4022141	04080593-02		TR	0.500	ug/L	HIST	EXTERNAL
12/07/2005	09:40:00	5010995	6000016	05120098-02		TR	0.500	ug/L	HIST	EXTERNAL
01/25/2006	13:50:00	6000786	6002895	06010593-02		ND	0.500	ug/L	HIST	EXTERNAL
06/15/2006	11:45:00	6005451	6012189	06060334-02		ND	0.500	ug/L	HIST	EXTERNAL

Notes: RDL = Reportable Detection Limit
HIST = Historical, Approved Data
TEMP = Temporary, Unapproved Data
TEMP (P) = Temporary, Unapproved Data Marked as PENDING

NGSC-GLU004775

ORANGE COUNTY WATER DISTRICT
WATER QUALITY RESULTS

STATION NAME: FM-5/1
PARAMETER: 1,1-Dichloroethane

Sample Date	Time	WRMS Group ID	WRMS Sample ID	Laboratory Sample #	Depth	Result	RDL	Units	Data Set	Access
02/25/1992		21099	24590			1.0	0.500	ug/L	HIST	EXTERNAL
03/23/1992		21103	24591			ND	0.500	ug/L	HIST	EXTERNAL
09/17/1992		21104	24592			3.0	0.500	ug/L	HIST	EXTERNAL
03/23/1993	10:25:00	5800	17877	OCWD9311611		1.9	0.500	ug/L	HIST	EXTERNAL
06/11/1993	11:10:00	12642	18578	OCWD9314490		2.6	0.500	ug/L	HIST	EXTERNAL
06/08/1994	11:00:00	94010971	94016028	OCWD9417545		1.1	0.500	ug/L	HIST	EXTERNAL
02/17/1995	12:30:00	95002100	95004268	OCWD9511739		0.7	0.500	ug/L	HIST	EXTERNAL
07/17/1995	10:00:00	95009761	95014817	OCWD9519070		0.6	0.500	ug/L	HIST	EXTERNAL
10/27/1995	09:20:00	95014037	95021954	OCWD9524825		0.7	0.500	ug/L	HIST	EXTERNAL
01/26/1996	10:50:00	96001092	96002101	OCWD9611392		TR	0.500	ug/L	HIST	EXTERNAL
04/18/1996	13:15:00	96006534	96009811	OCWD9615642		TR	0.500	ug/L	HIST	EXTERNAL
10/25/1996	11:15:00	96020200	96028581	OCWD9625893		ND	0.500	ug/L	HIST	EXTERNAL
01/20/1997	12:10:00	97001930	97002572	97010137-02		TR	0.500	ug/L	HIST	EXTERNAL
05/15/1997	13:45:00	97010167	97014182	97050527-02		0.6	0.500	ug/L	HIST	EXTERNAL
09/19/1997	14:20:00	97018068	97026603	97090701-02		TR	0.500	ug/L	HIST	EXTERNAL
06/10/1998	12:20:00	98011907	98019476	98060281-02		TR	0.500	ug/L	HIST	EXTERNAL
10/13/1998	14:45:00	98024130	98036402	98100388-02		TR	0.500	ug/L	HIST	EXTERNAL
05/14/1999	11:20:00	99008680	99014688	99050390-02		TR	0.500	ug/L	HIST	EXTERNAL
12/02/1999	13:55:00	99018725	99028632	99120082-02		ND	0.500	ug/L	HIST	EXTERNAL
04/27/2000	12:10:00	55911	59046	00040785-02		ND	0.500	ug/L	HIST	EXTERNAL
08/14/2000	14:15:00	63075	70935	00080376-02		0.7	0.500	ug/L	HIST	EXTERNAL
12/11/2000	13:00:00	73009	82567	00120257-02		TR	0.500	ug/L	HIST	EXTERNAL
06/14/2001	10:10:00	1012744	1020131	01060527-03		1.3	0.500	ug/L	HIST	EXTERNAL
07/09/2001	13:10:00	1015040	1025014	01070210-03		0.8	0.500	ug/L	HIST	EXTERNAL
12/08/2001	16:20:00	1028690	2001212	01120302-04		1.0	0.500	ug/L	HIST	EXTERNAL
01/16/2003	09:50:00	3000969	3004368	03010349-02		1.1	0.500	ug/L	HIST	EXTERNAL
04/13/2004	11:00:00	4003450	4007831	04040354-02		0.7	0.500	ug/L	HIST	EXTERNAL
08/18/2004	12:05:00	4010495	4022141	04080593-02		0.8	0.500	ug/L	HIST	EXTERNAL
12/07/2005	09:40:00	5010995	6000016	05120098-02		0.5	0.500	ug/L	HIST	EXTERNAL
01/25/2006	13:50:00	6000786	6002895	06010593-02		0.6	0.500	ug/L	HIST	EXTERNAL
06/15/2006	11:45:00	6005451	6012189	06060334-02		ND	0.500	ug/L	HIST	EXTERNAL

Notes: RDL = Reportable Detection Limit
HIST = Historical, Approved Data
TEMP = Temporary, Unapproved Data
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ORANGE COUNTY WATER DISTRICT
WATER QUALITY RESULTS

STATION NAME: FM-5/1
PARAMETER: 1,2-Dichloroethane

Sample Date	Time	WRMS Group ID	WRMS Sample ID	Laboratory Sample #	Depth	Result	RDL	Units	Data Set	Access
02/25/1992		21099	24590			5.1	0.500	ug/L	HIST	EXTERNAL
03/23/1992		21103	24591			1.1	0.500	ug/L	HIST	EXTERNAL
09/17/1992		21104	24592			17.7	0.500	ug/L	HIST	EXTERNAL
03/23/1993	10:25:00	5800	17877	OCWD9311611		6.7	0.500	ug/L	HIST	EXTERNAL
06/11/1993	11:10:00	12642	18578	OCWD9314490		16.3	0.500	ug/L	HIST	EXTERNAL
06/08/1994	11:00:00	94010971	94016028	OCWD9417545		1.2	0.500	ug/L	HIST	EXTERNAL
02/17/1995	12:30:00	95002100	95004268	OCWD9511739		ND	0.500	ug/L	HIST	EXTERNAL
07/17/1995	10:00:00	95009761	95014817	OCWD9519070		TR	0.500	ug/L	HIST	EXTERNAL
10/27/1995	09:20:00	95014037	95021954	OCWD9524825		TR	0.500	ug/L	HIST	EXTERNAL
01/26/1996	10:50:00	96001092	96002101	OCWD9611392		TR	0.500	ug/L	HIST	EXTERNAL
04/18/1996	13:15:00	96006534	96009811	OCWD9615642		TR	0.500	ug/L	HIST	EXTERNAL
10/25/1996	11:15:00	96020200	96028581	OCWD9625893		ND	0.500	ug/L	HIST	EXTERNAL
01/20/1997	12:10:00	97001930	97002572	97010137-02		TR	0.500	ug/L	HIST	EXTERNAL
05/15/1997	13:45:00	97010167	97014182	97050527-02		TR	0.500	ug/L	HIST	EXTERNAL
09/19/1997	14:20:00	97018068	97026603	97090701-02		TR	0.500	ug/L	HIST	EXTERNAL
06/10/1998	12:20:00	98011907	98019476	98060281-02		TR	0.500	ug/L	HIST	EXTERNAL
10/13/1998	14:45:00	98024130	98036402	98100388-02		TR	0.500	ug/L	HIST	EXTERNAL
05/14/1999	11:20:00	99008680	99014688	99050390-02		TR	0.500	ug/L	HIST	EXTERNAL
12/02/1999	13:55:00	99018725	99028632	99120082-02		TR	0.500	ug/L	HIST	EXTERNAL
04/27/2000	12:10:00	55911	59046	00040785-02		ND	0.500	ug/L	HIST	EXTERNAL
08/14/2000	14:15:00	63075	70935	00080376-02		TR	0.500	ug/L	HIST	EXTERNAL
12/11/2000	13:00:00	73009	82567	00120257-02		ND	0.500	ug/L	HIST	EXTERNAL
06/14/2001	10:10:00	1012744	1020131	01060527-03		0.9	0.500	ug/L	HIST	EXTERNAL
07/09/2001	13:10:00	1015040	1025014	01070210-03		0.9	0.500	ug/L	HIST	EXTERNAL
12/08/2001	16:20:00	1028690	2001212	01120302-04		1.3	0.500	ug/L	HIST	EXTERNAL
01/16/2003	09:50:00	3000969	3004368	03010349-02		0.9	0.500	ug/L	HIST	EXTERNAL
04/13/2004	11:00:00	4003450	4007831	04040354-02		0.5	0.500	ug/L	HIST	EXTERNAL
08/18/2004	12:05:00	4010495	4022141	04080593-02		0.6	0.500	ug/L	HIST	EXTERNAL
12/07/2005	09:40:00	5010995	6000016	05120098-02		TR	0.500	ug/L	HIST	EXTERNAL
01/25/2006	13:50:00	6000786	6002895	06010593-02		0.5	0.500	ug/L	HIST	EXTERNAL
06/15/2006	11:45:00	6005451	6012189	06060334-02		ND	0.500	ug/L	HIST	EXTERNAL

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NGSC-GLU004777

JOHNSON CONTROLS

Appendix B

Boring Logs

ENTACT
environmental services
3129 Bass Pro Drive • Grapevine, Texas 76051
972-580-1323

LOG OF BORING - SB128

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 3-30-06	Driller	: Gerardo Villareal
Boring Diamoter	: 2 inches	ENTACT Geologist	: Greg Rainwater, PG
Drilling Method	: Direct Push		
Sampling Method	: Dual Tube / Closed Piston		
Drilling Company	: Core Probe		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)
0	Concrete (0-5")			
1	SILT (ML), very dark grayish brown (2.5Y 3/2), firm, no plasticity, moist, no odor or staining.			
2				
3	SILTY CLAY (CL), brown (10YR 4/3), stiff, low plasticity, moist, no odor or staining.		0	
4				
5			0	SB128 / 4.5-5
6				
7			0	
8			0	
9				
10			0	SB128 / 9.5-10
11				
12			0	
13	CLAYEY SILT (ML), brown (10YR 4/3), firm, no plasticiy, moist, no odor or staining.			
14			0	
15	SILTY CLAY (CL), brown (10YR 4/3), firm, low plasticity, moist, no odor or staining.			
16			0	
17				
18			0	
19	SILTY SAND (SM), brown, (10YR 4/3), fine-grained sand with silt, medium dense, moist, no odor or staining.			
20			0	SB128 / 19.5-20
21				
22			0	
23				
24			0	
25				

Comments

Boring SB128 was advanced using dual tube sampler to 57 feet bgs until refusal was experienced. Sampling continued to a total depth of 80 feet bgs (sampling at 60, 70 and 80 foot depth intervals) using a closed piston sampler fitted with a stainless steel liners. The closed piston sampler was opened at the selected depth intervals for collection of soil.

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ENTACT environmental services
3129 Bass Pro Drive • Grapevine, Texas 76051
972-580-1323

LOG OF BORING - SB128

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled : 3-30-06
Boring Diameter : 2 inches
Drilling Method : Direct Push
Sampling Method : Dual Tube / Closed Piston
Drilling Company : Core Probe

Driller : Gerardo Villareal
ENTACT Geologist : Greg Rainwater, PG

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
25	SILTY CLAY (CL), brown (10YR 4/3), firm, low plasticity, moist, no odor or staining.				
26			0		
27					
28			0		
29					
30			0	SB128 / 29.5-30	
31					
32			0		
33	SILTY SAND (SM), yellow brown (10 YR 5/4), fine-grained sand with silt, medium dense, moist, no odor or staining.				
34			0		
35	SILTY CLAY (CL), brown (10YR 4/3), firm, low plasticity, moist, no odor or staining.				
36			0		
37	SANDY SILT (ML), yellow brown (10YR 5/4), silt with fine-grained sand, firm, no plasticity, moist, no odor or staining.				
38			0		
39					
40			0	SB128 / 39.5-40	
41	CLAYEY SILT (ML), brown (10YR 4/3), firm, low plasticity, moist, no odor or staining.				
42			0		
43					
44			0		
45	SAND (SP), light brown (7.5YR 6/4), fine-to-medium grained sand, dense, well sorted, moist, no odor or staining.				
46			0		
47	SANDY SILT (ML), yellow brown (10YR 5/4), silt with fine-grained sand, firm, no plasticity, moist, no odor or staining.				
48			0		
49					
50			0	SB128 / 49.5-50	

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environmental services
3129 Bass Pro Drive • Grapevine, Texas 76051
972-580-1323

LOG OF BORING - SB128

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 3-30-06	Driller	: Gerardo Villareal
Boring Diameter	: 2 inches	ENTACT Geologist	: Greg Rainwater, PG
Drilling Method	: Direct Push		
Sampling Method	: Dual Tube / Closed Piston		
Drilling Company	: Core Probe		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
50	Same as above.				
51					
52	SAND (SP), light yellow brown (10YR 6/4), fine-to-medium grained sand, well sorted, dense, moist, no odor or staining.		0		
53					
54			0		
55					
56					
57	CLAY (CL-CH), dark reddish brown (2.5YR 3/4), stiff, medium to high plasticity, moist, no odor or staining.				
58					
59					
60			0	SB128 / 59.5-60	
61					
62					
63					
64					
65					
66					
67					
68					
69					
70			0	SB128 / 69.5-70	
71					
72					
73	SAND (SP), light brown (7.5YR 6/3), medium-grained sand, well sorted, dense, moist, no odor or staining.				
74					
75					

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3129 Bass Pro Drive • Grapevine, Texas 76051
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LOG OF BORING - SB128

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 3-30-06	Driller	: Gerardo Villareal
Boring Diameter	: 2 inches	ENTACT Geologist	: Greg Rainwater, PG
Drilling Method	: Direct Push		
Sampling Method	: Dual Tube / Closed Piston		
Drilling Company	: Core Probe		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
75	Same as above.				
76					
77					
78					
79					
80			0	SB128 / 79.5-80	
	Total Depth = 80 feet				
81					
82					
83					
84					
85					
86					
87					
88					
89					
90					
91					
92					
93					
94					
95					
96					
97					
98					
99					
100					

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environmental services
3129 Bass Pro Drive • Grapevine, Texas 76051
972-580-1323

LOG OF BORING - SB129

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 3-30-06	Driller	: Gerardo Villareal
Boring Diameter	: 2 inches	ENTACT Geologist	: Greg Rainwater, PG
Drilling Method	: Direct Push		
Sampling Method	: Dual Tube		
Drilling Company	: Core Probe		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
0	Concrete (0-5")				Boring SB129 was advanced using dual tube sampler to 50 feet bgs.
1	SILT (ML), very dark grayish brown (2.5Y 3/2), firm, no plasticity, moist, no odor or staining.				
2					
3			0		
4					
5			0	SB129 / 4.5-5	
6	SILTY CLAY (CL), brown (10YR 4/3), firm, low plasticity, moist, no odor or staining.				
7			0		
8			0		
9					
10			0	SB129 / 9.5-10	
11	SANDY SILT (ML), dark grayish brown (10 YR 4/2), silt with fine-grained sand, firm to soft, no plasticity, moist, no odor or staining.				
12	SAND (SP), very dark grayish brown (10YR 3/2), fine-to-medium grained sand with silt, medium dense, moderately well sorted, moist, no odor or staining.		0		
13					
14			0		
15	SILTY CLAY (CL), dark yellowish brown (10YR 4/4), stiff, low plasticity, moist, no odor or staining.				
16	SANDY SILT (ML), brown (7.5YR 4/4), brown, fine-grained sand with silt and clay seams, firm, moist, no odor or staining.		0		
17					
18			0		
19					
20			0	SB129 / 19.5-20	
21					
22			0		
23					
24			0		
25					

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3129 Bass Pro Drive • Grapevine, Texas 76051
972-580-1323

LOG OF BORING - SB129

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 3-30-06	Driller	: Gerardo Villareal
Boring Diameter	: 2 inches	ENTACT Geologist	: Greg Rainwater, PG
Drilling Method	: Direct Push		
Sampling Method	: Dual Tube		
Drilling Company	: Core Probe		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
25					
26	SILTY SAND (SM), brown (7.5YR 4/2), fine-grained sand, slightly compact, damp, no odor or staining.		0		
27					
28	SILTY CLAY (CL), brown (10YR 4/3), firm, Llow plasticity, moist, no odor or staining.		0		
29					
30			0	SB129 / 29.5-30	
31					
32	SANDY SILT (ML), yellowish brown (10YR 5/4), firm, no plasticity, moist, no odor or staining.		0		
33					
34			0		
35					
36	SAND (SP), brown (10YR 4/3), fine-grained sand, well sorted, compact, moist, no odor or staining.		0		
37					
38	SANDY SILT (ML), brown (10YR 4/3), silt and fined-grained sand with occasional clay seams, firm, no to low plasticity, moist, no odor or staining.		0		
39					
40			0	SB129 / 39.5-40	
41					
42			0		
43					
44			0		
45	SILTY CLAY (CL), light brown (7.5 YR 6/4), firm, fine-grained sand, low plasticity, moist, no odor or staining.				
46			0		
47					
48	SAND (SP), light brown (7.5YR 6/4), fine-to-medium grained sand, well sorted, compact, moist, no odor or staining.		0		
49					
50	Total Depth = 50 feet		0	SB129 / 49.5-50	

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LOG OF BORING - SB130

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 3-30-06	Driller	: Gerardo Villareal
Boring Diameter	: 2 inches	ENTACT Geologist	: Greg Rainwater, PG
Drilling Method	: Direct Push		
Sampling Method	: Dual Tube / Closed Piston		
Drilling Company	: Core Probe		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)
0	Concrete (0-5")			
1	SILT (ML), very dark grayish brown (10YR 3/2), firm, no plasticity, moist, no odor or staining.			
2				
3	SILTY CLAY (CL), brown (10YR 4/3), stiff, low plasticity, moist, no odor or staining.		0	
4				
5			0	SB130 / 4.5-5
6				
7			0	
8	SANDY SILT (ML), brown (10YR 4/3), fine-grained sand, firm, no plasticity, moist no odor or staining.		0	
9				
10			0	SB130 / 9.5-10
11				
12			0	
13	SILTY SAND (SM), reddish brown (5YR 4/4), fine-grained sand with silt, medium dense, well sorted, moist, no odor or staining.			
14			0	
15	SILTY CLAY (CL), brown (10YR 4/3), firm, low plasticity, moist, no odor or staining.			
16			0	
17	SANDY SILT (ML), brown (10YR 4/3), firm, no plasticity, well sorted, most, no odor or staining.			
18			0	
19				
20			0	SB130 / 19.5-20
21	SAND (SP), light brown (7.5YR 6/3), fine-to-medium grained sand, medium dense, low plasticity, moist, no odor or staining.			
22			0	
23	CLAY (CL), brown, (10YR 4/3), firm, medium plasticity, moist, no odor or staining.			
24			0	
25				

Comments

Boring SB130 was advanced using dual tube sampler to 48 feet bgs until refusal was experienced. Sampling continued to a total depth of 80 feet bgs (sampling at 50, 60, 70 and 80 foot depth intervals) using a closed piston sampler fitted with a stainless steel liners. The closed piston sampler was opened at the selected depth intervals for collection of soil.

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LOG OF BORING - SB130

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 3-30-06	Driller	: Gerardo Villareal
Boring Diameter	: 2 inches	ENTACT Geologist	: Greg Rainwater, PG
Drilling Method	: Direct Push		
Sampling Method	: Dual Tube / Closed Piston		
Drilling Company	: Core Probe		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
25	CLAYEY SILT (ML), brown (10YR 4/3), firm, low plasticity, moist, no odor or staining.				
26			0		
27					
28			0		
29	SILTY CLAY (CL), brown (10YR 4/3), firm, low plasticity, moist, no odor or staining.				
30			0	SB130 / 29.5-30	
31					
32	SILT (ML), brown (10YR 4/3), firm, no plasticity, moist, no odor or staining.		0		
33					
34			0		
35	SAND (SP), light brown (7.5YR 6/3), fine-to-medium grained sand, well sorted, medium dense, moist, no odor or staining.				
36			0		
37	SANDY SILT (ML), brown (10YR 4/3), firm, no plasticity, moist, no odor or staining.				
38			0		
39					
40			0	SB130 / 39.5-40	
41					
42			0		
43					
44	SILTY CLAY (CL), brown (10YR 4/3), firm, low plasticity, moist, no odor or staining.		0		
45					
46					
47					
48	SAND (SP), light brown (7.5YR 6/3), fine-to-medium grained sand, well sorted, compact, moist, no odor or staining.				
49					
50			0	SB130 / 49.5-50	

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LOG OF BORING - SB130

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled : 3-30-06
Boring Diameter : 2 inches
Drilling Method : Direct Push
Sampling Method : Dual Tube / Closed Piston
Drilling Company : Core Probe

Driller : Gerardo Villareal
ENTACT Geologist : Greg Rainwater, PG

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
50	Same as above.				
51	SILTY SAND (SM), brown (7.5YR 4/3), fine-to-medium grained sand with silt, compact, moist, no odor or staining.				
52					
53					
54					
55					
56					
57					
58					
59					
60	SAND (SP), light brown (7.5YR 6/4), fine-to-medium grained sand, well sorted, dense, moist, no odor or staining.		0	SB130 / 59.5-60	
61					
62					
63					
64					
65	SILTY CLAY (CL), dark reddish brown (2.5YR 3/4), stiff, medium plasticity, moist, no odor or staining.				
66					
67					
68	CLAY (CL-CH), dark reddish brown (2.5YR 3/4), stiff, high plasticity, moist, no odor or staining.				
69					
70			0	SB130 / 69.5-70	
71					
72					
73					
74					
75					

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LOG OF BORING - SB130

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 3-30-06	Driller	: Gerardo Villareal
Boring Diameter	: 2 inches	ENTACT Geologist	: Greg Rainwater, PG
Drilling Method	: Direct Push		
Sampling Method	: Dual Tube / Closed Piston		
Drilling Company	: Core Probe		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
75	Same as above.				
76					
77	SILTY SAND (SM), brown (10YR 4/3), fine-to-medium grained sand with silt, compact, moist, no odor or staining.				
78					
79					
80			0	SB130 / 79.5-80	
	Total Depth = 80 feet				
81					
82					
83					
84					
85					
86					
87					
88					
89					
90					
91					
92					
93					
94					
95					
96					
97					
98					
99					
100					

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LOG OF BORING - SB131

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 06/24/06	Driller	:
Boring Diameter	: 8 inches	ENTACT Geologist	: Michael Garrigan, PG
Drilling Method	: Hollow-Stem Auger		
Sampling Method	: Core Barrel		
Drilling Company	: WDC		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
0	Concrete (0-5")				
1	SILT (ML), very dark grayish brown, firm, no plasticity, moist, no odor or staining.				
3	SILTY CLAY (CL), brown, stiff, low plasticity, moist, no odor or staining.				
5			0	SB133 (4.5-5)	
10			0	SB133 (9.5-10)	
11	CLAYEY SILT (ML), brown, firm, no plasticity, moist, no odor or staining				
14	CLAYEY SILT (ML), brown, firm, no plasticity, moist, no odor or staining.				
15	CLAYEY SILT, (ML), brown, firm, no plasticity, moist, no odor or staining		0		
16	SILTY CLAY (CL), brown, firm, low plasticity, sandy seam at 16 to 16.5 feet.				
20	SILTY SAND (SM), brown, fine-grained sand with silt, medium dense, moist, no odor or staining.		0	SB133 (19.5-20)	
24	SILTY CLAY (CL), brown, firm, low plasticity, moist, no odor or staining.				

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LOG OF BORING - SB131

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled : 06/24/06
Boring Diameter : 8 inches
Drilling Method : Hollow-Stem Auger
Sampling Method : Core Barrel
Drilling Company : WDC

Driller :
ENTACT Geologist : Michael Garrigan, PG

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
25					
26					
27	SAND (SP), light brown, fine-grained sand, well sorted, moist, no odor or staining.				
28					
29	SILTY CLAY (CL), brown, firm, low plasticity, moist, no odor or staining.				
30			0	SB133 (29.5-30)	
31					
32					
33					
34					
35	SAND (SP), light brown, fine-grained sand, well sorted, moist, no odor or staining.		0		
36					
37	SILTY CLAY (CL), brown, firm, low plasticity, moist, no odor or staining.				
38	SANDY SILT (ML), yellow brown, silt with fine-grained sand, firm, no plasticity, moist, no odor or staining.				
39					
40			0	SB133 (39.5-40)	
41	CLAYEY SILT (ML), brown, firm, low plasticity, moist, no odor or staining.				
42					
43					
44	SAND (SP), light brown, fine-to-medium grained sand, dense, well sorted, moist, no odor or staining.				
45			0		
46					
47					
48	SANDY SILT (ML), brown, silt with fine-grained sand, firm, no plasticity, moist, no odor or staining.				
49					
50			0	SB133 (49.5-50)	

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LOG OF BORING - SB131

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled : 06/24/06
Boring Diameter : 8 inches
Drilling Method : Hollow-Stem Auger
Sampling Method : Core Barrel
Drilling Company : WDC

Driller :
ENTACT Geologist : Michael Garrigan, PG

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
50	SAND (SW), light brown, fine-to-medium grained sand, dense, well sorted, moist, no odor or staining.				
51					
52					
53					
54					
55			0		
56					
57					
58					
59	SANDY SILT, (ML), brown, stiff, medium-to-high plasticity, moist, no odor or staining.				
60			0	SB133 (59.5-60)	
61	CLAY (CL-CH), dark reddish brown, stiff, medium to high plasticity, mooist, no odor or staining.				
62					
63					
64					
65			0		
66					
67					
68					
69					
70			0	SB133 (69.5-70)	
71					
72					
73					
74					
75					

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LOG OF BORING - SB131

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 06/24/06	Driller	:
Boring Diameter	: 8 inches	ENTACT Geologist	: Michael Garrigan, PG
Drilling Method	: Hollow-Stem Auger		
Sampling Method	: Core Barrel		
Drilling Company	: WDC		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
75					
76					
77					
78					
79					
80	SILTY SAND (SM), brown, fine-grained sand with silt, medium dense, moist, no odor or staining.		0	SB133 (79.5-80)	
81	Total Depth = 80 feet.				
82					
83					
84					
85					
86					
87					
88					
89					
90					
91					
92					
93					
94					
95					
96					
97					
98					
99					
100					

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LOG OF BORING - SB132

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 06/24/06	Driller	:
Boring Diameter	: 8 inches	ENTACT Geologist	: Michael Garrigan, PG
Drilling Method	: Hollow-Stem Auger		
Sampling Method	: Core Barrel		
Drilling Company	: WDC		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
0	Concrete (0-5")				
1	SILT (ML), very dark grayish brown, firm, no plasticity, moist, no odor or staining.				
2					
3	SILTY CLAY (CL), brown, stiff, low plasticity, moist, no odor or staining.				
4					
5			0	SB133 (4.5-5)	
6					
7					
8					
9					
10			0	SB133 (9.5-10)	
11					
12					
13	CLAYEY SILT (ML) brown, firm, no plasticity, moist, no odor or staining				
14					
15			0		
16	SILTY CLAY (CL), brown, firm, low plasticity,moist, no odor or staining.				
17					
18	SILTY SAND (SM), brown, fine-grained sand with silt, medium dense, moist, no odor or staining.				
19					
20			0	SB133 (19.5-20)	
21					
22					
23					
24	SILTY CLAY (CL), brown, firm, low plasticity, moist, no odor or staining.				
25					

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LOG OF BORING - SB132

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled : 06/24/06
Boring Diameter : 8 inches
Drilling Method : Hollow-Stem Auger
Sampling Method : Core Barrel
Drilling Company : WDC

Driller :
ENTACT Geologist : Michael Garrigan, PG

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
25	SAND (SP), light brown, fine-grained sand, well sorted, moist, no odor or staining.				
26					
27					
28	SILTY CLAY (CL), brown, firm, low plasticity, moist, no odor or staining.				
29					
30			0	SB133 (29.5-30)	
31					
32					
33					
34	SAND (SP), light brown, fine-grained sand, well sorted, moist, no odor or staining.				
35			0		
36	SANDY SILT (ML), yellow brown, silt with fine-grained sand, firm, no plasticity, moist, no odor or staining.				
37					
38					
39					
40			0	SB133 (39.5-40)	
41	SILTY CLAY, (CL), brown, soft, medium plasticity, moist, no odor or staining.				
42					
43					
44					
45			0		
46					
47	SAND (SP), light brown, fine-to-medium grained sand, dense, well sorted, moist, no odor or staining.				
48					
49	SANDY SILT (ML), brown, silt with fine-grained sand, firm, no plasticity, moist, no odor or staining.				
50			0	SB133 (49.5-50)	

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LOG OF BORING - SB132

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled : 06/24/06
Boring Diameter : 8 inches
Drilling Method : Hollow-Stem Auger
Sampling Method : Core Barrel
Drilling Company : WDC

Driller :
ENTACT Geologist : Michael Garrigan, PG

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
50					
51	SAND (SW), light brown, fine-to-medium grained sand, dense, well sorted, moist, no odor or staining.				
52					
53					
54					
55			0		
56					
57					
58					
59	SANDY SILT, (ML), yellow brown, silt with fine-grained sand, firm, moist, no odor or staining.				
60			0	SB133 (59.5-60)	
61	CLAY (CL-CH), dark reddish brown, stiff, medium to high plasticity, mooist, no odor or staining.				
62					
63					
64					
65			0		
66					
67					
68					
69					
70			0	SB133 (69.5-70)	
71	SILTY CLAY(CL) brown, firm, low plasticity, moist, no odor or staining.				
72					
73					
74					
75					

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LOG OF BORING - SB132

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled : 06/24/06
Boring Diameter : 8 inches
Drilling Method : Hollow-Stem Auger
Sampling Method : Core Barrel
Drilling Company : WDC

Driller :
ENTACT Geologist : Michael Garrigan, PG

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
75					
76					
77					
78					
79	SILTY SAND (SM) brown, fine-grained sand with silt, medium dense, moist, no odor or staining.				
80			0	SB133 (79.5-80)	
81	Total Depth = 80 feet.				
82					
83					
84					
85					
86					
87					
88					
89					
90					
91					
92					
93					
94					
95					
96					
97					
98					
99					
100					

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LOG OF BORING - SB133

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 06/26/06	Driller	:
Boring Diameter	: 8 inches	ENTACT Geologist	: Michael Garrigan, PG
Drilling Method	: Hollow-Stem Auger		
Sampling Method	: Core Barrel		
Drilling Company	: WDC		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
0	Concrete (0-5")				
1	SILT (ML), very dark grayish brown, firm, no plasticity, moist, no odor or staining.				
2					
3	SILTY CLAY (CL), brown, stiff, low plasticity, moist, no odor or staining.				
4					
5			0	SB133 (4.5-5)	
6					
7					
8					
9					
10			0	SB133 (9.5-10)	
11					
12					
13					
14	CLAYEY SILT (ML), brown, firm, no plasticity, moist, no odor or staining.				
15	SILTY CLAY (CL), brown, low plasticity, sandy seam at 16 to 16.5 feet, moist no odor or staining.		0		
16					
17					
18					
19					
20	SILTY SAND (SM), brown, fine-grained sand with silt, medium dense, moist, no odor or staining.		0	SB133 (19.5-20)	
21					
22					
23					
24	SILTY CLAY (CL), brown, stiff, low plasticity, moist, no odor or staining.				
25					

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LOG OF BORING - SB133

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled : 06/26/06
Boring Diameter : 8 inches
Drilling Method : Hollow-Stem Auger
Sampling Method : Core Barrel
Drilling Company : WDC

Driller :
ENTACT Geologist : Michael Garrigan, PG

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
25, 26, 27, 28	SAND (SP), light brown, fine-grained sand, well sorted, moist, no odor or staining.				
29, 30, 31, 32, 33	SILTY CLAY (CL), brown, firm, low plasticity, moist, no odor or staining.		0	SB133 (29.5-30)	
34, 35	SILTY SAND (SM), brown, fine-grained sand with silt, medium dense, moist, no odor or staining.		0		
36, 37, 38	SILTY CLAY (CL), brown, firm, low plasticity, moist, no odor or staining.				
39, 40	SANDY SILT (ML), yellow brown, silt with fine-grained sand, firm, no plasticity, moist, no odor or staining.		0	SB133 (39.5-40)	
41, 42, 43, 44, 45, 46	CLAYEY SILT (ML), brown, firm, low plasticity, moist, no odor or staining.		0		
47, 48, 49, 50	SAND (SP), light brown, fine-to-medium grained sand, dense, well sorted, moist, no odor or staining.		0	SB133 (49.5-50)	

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Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled : 06/26/06
Boring Diameter : 8 inches
Drilling Method : Hollow-Stem Auger
Sampling Method : Core Barrel
Drilling Company : WDC

Driller :
ENTACT Geologist : Michael Garrigan, PG

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
50	SANDY SILT (ML), brown, silt with fine-grained sand, firm, no plasticity, moist, no odor or staining.				
51					
52	SAND (SP), light brown, fine-to-medium grained sand, dense, well sorted, moist, no odor or staining.				
53					
54					
55			0		
56					
57					
58					
59					
60	CLAY (CL-CH), dark reddish brown, stiff, medium-to-high plasticity, moist, no odor or staining.		0	SB133 (59.5-60)	
61					
62					
63					
64					
65			0		
66					
67					
68					
69					
70			0	SB133 (69.5-70)	
71					
72					
73					
74					
75					

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LOG OF BORING - SB133

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled : 06/26/06
Boring Diameter : 8 inches
Drilling Method : Hollow-Stem Auger
Sampling Method : Core Barrel
Drilling Company : WDC

Driller :
ENTACT Geologist : Michael Garrigan, PG

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
75	SILTY SAND (SM), brown, fine-grained sand with silt, medium dense, moist, no odor or staining.				
76					
77					
78					
79					
80			0	SB133 (79.5-80)	
81	Total Depth = 80 feet.				
82					
83					
84					
85					
86					
87					
88					
89					
90					
91					
92					
93					
94					
95					
96					
97					
98					
99					
100					

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LOG OF BORING - SB134

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 06/26/06	Driller	:
Boring Diameter	: 8 inches	ENTACT Geologist	: Michael Garrigan, PG
Drilling Method	: Hollow-Stem Auger		
Sampling Method	: Core Barrel		
Drilling Company	: WDC		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
0	Concrete (0-5")				
1	SILT (ML), very dark grayish brown, firm, no plasticity, moist, no odor or staining.				
2					
3	SILTY CLAY (CL), brown, stiff, low plasticity, moist, no odor or staining.				
4					
5			0	SB134 (4.5-5)	
6					
7					
8					
9					
10			0	SB134 (9.5-10)	
11	CLAYEY SILT (ML), brown, firm, no plasticity, moist, no odor or staining.				
12					
13	SILTY CLAY (CL), brown, low plasticity, sandy seam at 16 to 16.5 feet, moist no odor or staining.				
14					
15			0		
16	CLAYEY SILT (ML), brown, with sandy seam at 16 to 16.5 feet, firm, no plasticity, moist, no odor or staining.				
17					
18					
19	SILTY CLAY (CL), brown, firm, low plasticity, moist, no odor or staining.				
20			0	SB134 (19.5-20)	
21	SILTY SAND (SM), brown, fine-grained sand with silt, medium dense, moist, no odor or staining.				
22					
23					
24					
25					

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LOG OF BORING - SB134

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 06/26/06	Driller	:
Boring Diameter	: 8 inches	ENTACT Geologist	: Michael Garrigan, PG
Drilling Method	: Hollow-Stem Auger		
Sampling Method	: Core Barrel		
Drilling Company	: WDC		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
25	SILTY CLAY (CL), brown, stiff, low plasticity, moist, no odor or staining.				
26					
27					
28					
29					
30			0	SB134 (29.5-30)	
31					
32	SILTY SAND (SM), brown, fine-grained sand with silt, medium dense, moist, no odor or staining.				
33					
34	SILTY CLAY (CL), brown, firm, low plasticity, moist, no odor or staining.				
35	CLAYEY SILT (ML), brown, firm, low plasticity, moist, no odor or staining.		0		
36					
37					
38	SILTY CLAY (CL), brown, firm, low plasticity, moist, no odor or staining.				
39					
40			0	SB134 (39.5-40)	
41					
42	CLAYEY SILT (ML), brown, firm, low plasticity, moist, no odor or staining.				
43					
44					
45	SILTY SAND (SM), light brown, fine-to-medium grained sand, dense, well sorted, moist, no odor or staining.		0		
46					
47					
48					
49					
50			0	SB134 (49.5-50)	

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LOG OF BORING - SB134

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled : 06/26/06
Boring Diameter : 8 inches
Drilling Method : Hollow-Stem Auger
Sampling Method : Core Barrel
Drilling Company : WDC

Driller :
ENTACT Geologist : Michael Garrigan, PG

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
50	Same as above.				
51					
52	SAND (SP), light brown, fine-to-medium grained sand, dense, well sorted, small gravel at 59 feet, moist, no odor or staining.				
53					
54					
55			0		
56					
57					
58					
59					
60			0	SB134 (59.5-60)	
61	CLAY (CL-CH), dark reddish brown, stiff, medium-to-high plasticity, moist, with some silt at 68 to 70 feet, no odor or staining.				
62					
63					
64					
65			0		
66					
67					
68					
69					
70			0	SB134 (69.5-70)	
71	SILTY SAND (SM), brown, fine-grained sand with silt, medium dense, moist, no odor or staining.				
72					
73	SAND (SP), light brown, fine-to-medium grained sand with somel small gravel, moderately well sorted, dense, moist, no odor or staining.				
74					
75					

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LOG OF BORING - SB134

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 06/26/06	Driller	:
Boring Diameter	: 8 inches	ENTACT Geologist	: Michael Garrigan, PG
Drilling Method	: Hollow-Stem Auger		
Sampling Method	: Core Barrel		
Drilling Company	: WDC		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
75	Same as above.				
76					
77					
78					
79					
80			0	SB134 (79.5-80)	
	Total Depth = 80 feet.				
81					
82					
83					
84					
85					
86					
87					
88					
89					
90					
91					
92					
93					
94					
95					
96					
97					
98					
99					
100					

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LOG OF BORING - SB135

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 06/23/06	Driller	:
Boring Diameter	: 8 inches	ENTACT Geologist	: Michael Garrigan, PG
Drilling Method	: Hollow-Stem Auger		
Sampling Method	: Core Barrel		
Drilling Company	: WDC		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
0	Concrete (0-5")				
1	SILT (ML), very dark grayish brown, firm, no plasticity, moist, no odor or staining.				
3	SILTY CLAY (CL), brown, stiff, low plasticity, moist, no odor or staining.				
5			0	SB135 (4.5-5)	
10			0	SB135 (9.5-10)	
13	SILTY CLAY (CL), brown, low plasticity, stiff, moist no odor or staining.				
15	CLAYEY SILT (ML), brown, with sandy seam at 16 to 16.5 feet, firm, no plasticity, moist, no odor or staining.		0		
20			0	SB135 (19.5-20)	
21	SAND (SP), light brown, fine-grained sand, well sorted, moist, no odor or staining.				
22	SANDY SILT (ML), yellow brown, silt with fine-grained sand, firm, no plasticity, moist, no odor or staining.				
25					

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LOG OF BORING - SB135

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 06/23/06	Driller	:
Boring Diameter	: 8 inches	ENTACT Geologist	: Michael Garrigan, PG
Drilling Method	: Hollow-Stem Auger		
Sampling Method	: Core Barrel		
Drilling Company	: WDC		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
25	Same as above.				
26					
27	SILTY CLAY (CL), brown, stiff, low plasticity, moist, no odor or staining.				
28					
29					
30			0	SB135 (29.5-30)	
31					
32					
33	SILTY SAND (SM), brown, fine-grained sand with silt, medium dense, moist, no odor or staining.				
34					
35			0		
36					
37					
38	SANDY SILT (ML), yellow brown, silt with fine-grained sand, firm, low plasticity, moist, no odor or staining.				
39					
40			0	SB135 (39.5-40)	
41	CLAYEY SILT (ML), brown, firm, low plasticity, moist, no odor or staining.				
42					
43					
44	SAND (SP), light brown, fine-to-medium grained sand, dense, well sorted, moist, no odor or staining.				
45			0		
46	SANDY SILT (ML), brown, silt with fine-grained sand, firm, no plasticity, moist, no odor or staining.				
47					
48	SAND (SP), light brown, fine-to-medium grained sand, dense, well sorted, moist, no odor or staining.				
49					
50			0	SB135 (49.5-50)	

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LOG OF BORING - SB135

Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled : 06/23/06
Boring Diameter : 8 inches
Drilling Method : Hollow-Stem Auger
Sampling Method : Core Barrel
Drilling Company : WDC

Driller :
ENTACT Geologist : Michael Garrigan, PG

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
50	Same as above.				
51					
52					
53					
54					
55			0		
56					
57					
58					
59					
60	CLAY (CL), dark reddish brown, stiff, medium-to-high plasticity, moist, with some silt at 68 to 70 feet, no odor or staining.		0	SB135 (59.5-60)	
61					
62	SILTY CLAY (CL), brown, soft, moist, no odor or staining.				
63					
64	SAND (SP), light brown, medium-grained sand, medium loose, well sorted, moist, no odor or staining.				
65			0		
66	CLAY (CL), dark reddish brown, stiff, medium to high plasticity, moist, no odor or staining.				
67					
68					
69					
70			0	SB135 (69.5-70)	
71	CLAYEY SILT (ML), brown, firm, low plasticity, moist, no odor or staining.				
72					
73	CLAY (CL), dark reddish brown, stiff, medium-to-high plasticity, moist, no odor or staining.				
74					
75					

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Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled : 06/23/06
Boring Diameter : 8 inches
Drilling Method : Hollow-Stem Auger
Sampling Method : Core Barrel
Drilling Company : WDC

Driller :
ENTACT Geologist : Michael Garrigan, PG

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)	Comments
75	Same as above.				
76					
77					
78					
79	SAND (SP), light brown, fine-to-medium grained sand with some small gravel, dense, moderately well sorted, cross bedding, moist, no odor or staining.		0	SB135 (79.5-80)	
80					
81	Total Depth = 80 feet.				
82					
83					
84					
85					
86					
87					
88					
89					
90					
91					
92					
93					
94					
95					
96					
97					
98					
99					
100					

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LOG OF BORING - MW-1

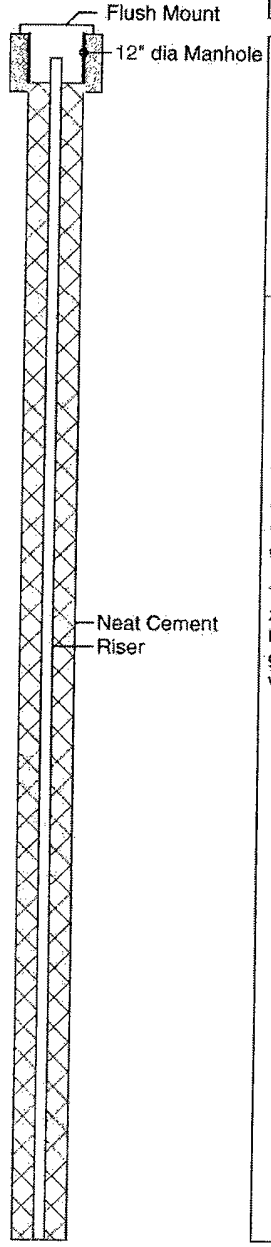
Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 06/19-20/06	Driller	:
Boring Diameter	: 8 inches / 17 inches	ENTACT Geologist	: Michael Garrigan, PG
Drilling Method	: Hollow-Stem Auger		
Sampling Method	: Core Barrel		
Drilling Company	: WCD		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)
0	Concrete (0-5")			
1–2	SILT (ML), very dark grayish brown, firm, no plasticity, moist, no odor or staining.			
3–4	SILTY CLAY (CL), brown, stiff, low plasticity, moist, no odor or staining.			
5			0	MW-1 (4.5-5)
6–9				
10			0	MW-1 (9.5-10)
11				
12–13	CLAYEY SAND (SC), brown, moist no odor or staining.			
14	SILTY CLAY (CL), brown, firm, low plasticity, sandy seam at 15 to 16.5 feet, moist, no odor or staining.			
15–16	CLAYEY SILT (ML), brown, firm, low plasticity, moist, no odor or staining.		0	
17–19				
20			0	MW-1 (19.5-20)
21–22				
23–24	SILTY CLAY (CL), brown, firm, low plasticity, moist, no odor or staining.			
25				

MW-1:



Well Construction Information

Well Material	: Sch. 40 PVC
Well Diameter	: 2 inches
Joints	: Threaded
Riser Length	: 99 ft
Riser Depth	: 0 to 99 ft
Screen Length	: 20 ft
Screen Depth	: 99 to 119 ft
Screen Slot	: 0.010 inch
Annular Seal	: Neat Cement
Transition Seal	: Bentonite
Sand Pack	: 2/12

Boring was drilled to 40 feet with 17-inch OD hollow-stem augers. Augers were allowed to temporarily remain in place as a surface casing. The remainder of the boring was drilled with 8-inch OD hollow-stem augers. The 8-inch augers were retrieved as monitor well materials were installed. The 17-inch augers were removed during annular space cementing.

The uppermost groundwater-bearing zone was encountered at 104 feet bgs. The static depth to groundwater measured 06/27/06 was 91.82 feet from TOC.

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LOG OF BORING - MW-1

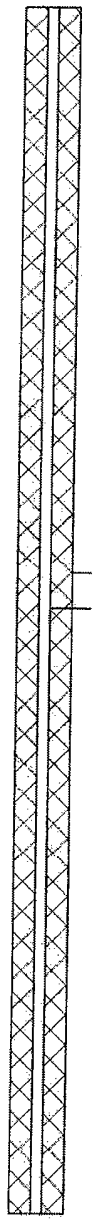
Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 06/19-20/06	Driller	:
Boring Diameter	: 8 inches / 17 inches	ENTACT Geologist	: Michael Garrigan, PG
Drilling Method	: Hollow-Stem Auger		
Sampling Method	: Core Barrel		
Drilling Company	: WCD		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)
25	Same as above.			
26				
27				
28				
29				
30			0	MW-1 (29.5-30)
31				
32				
33				
34	SAND (SP), light yellowish brown, medium grained sand, well sorted, moist, no odor or staining.			
35	SILTY CLAY (CL), brown, firm, low plasticity, moist, no odor or staining.		0	
36				
37				
38				
39				
40			0	MW-1 (39.5-40)
41				
42				
43				
44	SAND (SP), light brown, fine-to-medium grained sand, dense, well sorted, moist, no odor or staining.			
45			0	
46				
47	SANDY SILT (ML), yellow brown, silty with fine-grained sand, firm, no plasticity, moist, no odor or staining.			
48				
49				
50			0	MW-1 (49.5-50)

MW-1:



Well Construction Information

Well Material	: Sch. 40 PVC
Well Diameter	: 2 inches
Joints	: Threaded
Riser Length	: 99 ft
Riser Depth	: 0 to 99 ft
Screen Length	: 20 ft
Screen Depth	: 99 to 119 ft
Screen Slot	: 0.010 inch
Annular Seal	: Neat Cement
Transition Seal	: Bentonite
Sand Pack	: 2/12

Boring was drilled to 40 feet with 17-inch OD hollow-stem augers. Augers were allowed to temporarily remain in place as a surface casing. The remainder of the boring was drilled with 8-inch OD hollow-stem augers. The 8-inch augers were retrieved as monitor well materials were installed. The 17-inch augers were removed during annular space cementing.

The uppermost groundwater-bearing zone was encountered at 104 feet bgs. The static depth to groundwater measured 06/27/06 was 91.82 feet from TOC.

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LOG OF BORING - MW-1

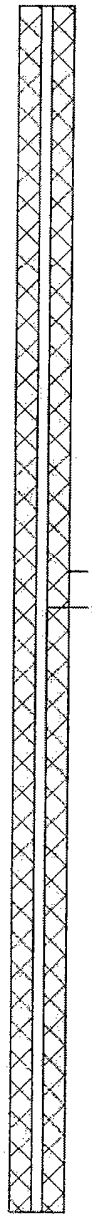
Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 06/19-20/06	Driller	:
Boring Diameter	: 8 inches / 17 inches	ENTACT Geologist	: Michael Garrigan, PG
Drilling Method	: Hollow-Stem Auger		
Sampling Method	: Core Barrel		
Drilling Company	: WCD		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)
50–58	SAND (SP), light brown, fine-to-medium grained sand, dense, well sorted, moist, no odor or staining.		0	
58–72	CLAY (CL-CH), dark reddish brown, stiff, medium to high plasticity, moist, no odor or staining.		0	MW-1 (59.5-60)
			0	
			0	MW-1 (69.5-70)
72–75	SILTY CLAY (CL), brown, firm, low plasticity, moist, no odor or staining.			

MW-1:



Well Construction Information

Well Material	: Sch. 40 PVC
Well Diameter	: 2 inches
Joints	: Threaded
Riser Length	: 99 ft
Riser Depth	: 0 to 99 ft
Screen Length	: 20 ft
Screen Depth	: 99 to 119 ft
Screen Slot	: 0.010 inch
Annular Seal	: Neat Cement
Transition Seal	: Bentonite
Sand Pack	: 2/12

Boring was drilled to 40 feet with 17-inch OD hollow-stem augers. Augers were allowed to temporarily remain in place as a surface casing. The remainder of the boring was drilled with 8-inch OD hollow-stem augers. The 8-inch augers were retrieved as monitor well materials were installed. The 17-inch augers were removed during annular space cementing.

The uppermost groundwater-bearing zone was encountered at 104 feet bgs. The static depth to groundwater measured 06/27/06 was 91.82 feet from TOC.

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LOG OF BORING - MW-1

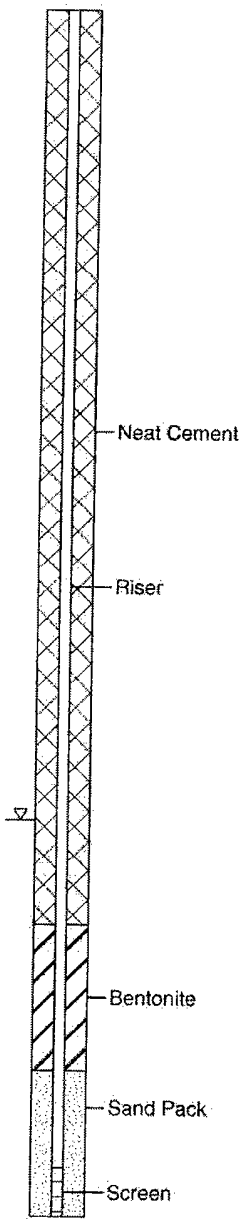
Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 06/19-20/06	Driller	:
Boring Diameter	: 8 inches / 17 inches	ENTACT Geologist	: Michael Garrigan, PG
Drilling Method	: Hollow-Stem Auger		
Sampling Method	: Core Barrel		
Drilling Company	: WCD		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)
75	CLAYEY SAND (SC), brown, fine-grained sand, moist, no odor or staining.			
76				
77				
78				
79				
80	SAND (SP), light yellowish brown, fine grained sand 80 to 88 feet, grades to coarse-grained sand at 88 feet with gravel at 89 feet, coarse-grained sand seam at 93.5 to 94 feet, well sorted, compact, moist, no odor or staining.		0	MW-1 (79.5-80)
81				
82				
83				
84				
85			0	
86				
87				
88				
89				
90			0	MW-1 (89.5-90)
91				
92				
93				
94				
95	CLAY (CL-CH), brown, stiff, medium plasticity, moist, no odor or staining.		0	
96				
97				
98				
99	CLAYEY SILT (ML), brown, firm, low plasticity, moist, no odor or staining.			
100			0	MW-1 (99.5-100)

MW-1:



Well Construction Information

Well Material	: Sch. 40 PVC
Well Diameter	: 2 inches
Joints	: Threaded
Riser Length	: 99 ft
Riser Depth	: 0 to 99 ft
Screen Length	: 20 ft
Screen Depth	: 99 to 119 ft
Screen Slot	: 0.010 inch
Annular Seal	: Neat Cement
Transition Seal	: Bentonite
Sand Pack	: 2/12

Boring was drilled to 40 feet with 17-inch OD hollow-stem augers. Augers were allowed to temporarily remain in place as a surface casing. The remainder of the boring was drilled with 8-inch OD hollow-stem augers. The 8-inch augers were retrieved as monitor well materials were installed. The 17-inch augers were removed during annular space cementing.

The uppermost groundwater-bearing zone was encountered at 104 feet bgs. The static depth to groundwater measured 06/27/06 was 91.82 feet from TOC.

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3129 Bass Pro Drive • Grapevine, Texas 76051
972-580-1323

LOG OF BORING - MW-1

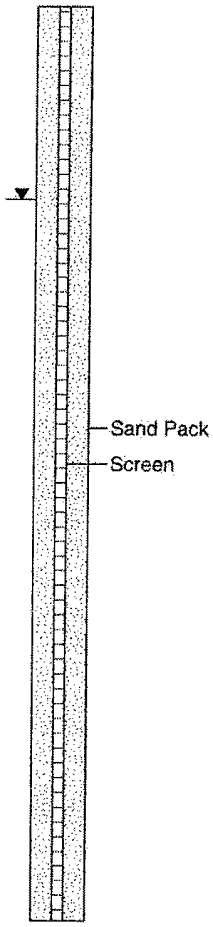
Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 06/19-20/06	Driller	:
Boring Diameter	: 8 inches / 17 inches	ENTACT Geologist	: Michael Garrigan, PG
Drilling Method	: Hollow-Stem Auger		
Sampling Method	: Core Barrel		
Drilling Company	: WCD		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)
100				
101	SAND (SP), brown, medium-to-coarse grained sand, damp, no odor or staining.			
102	CLAY (CL-CH), brown, stiff, medium plasticity, damp, no odor or staining.			
103				
104	SILTY SAND (SM), dark grayish brown, fine-grained sand with silt, grades to coarse-grained sand with small gravel from 109 to 100 feet, wet, no odor or staining.			
105			0	
106				
107				
108				
109				
110			0	MW-1 (109.5-110)
111				
112				
113				
114				
115			0	
116				
117				
118				
119				
120			0	MW-1 (119.5-120)
121	Total Depth = 120 feet.			
122				
123				
124				
125				

MW-1:



Well Construction Information

Well Material	: Sch. 40 PVC
Well Diameter	: 2 inches
Joints	: Threaded
Riser Length	: 99 ft
Riser Depth	: 0 to 99 ft
Screen Length	: 20 ft
Screen Depth	: 99 to 119 ft
Screen Slot	: 0.010 inch
Annular Seal	: Neat Cement
Transition Seal	: Bentonite
Sand Pack	: 2/12

Boring was drilled to 40 feet with 17-inch OD hollow-stem augers. Augers were allowed to temporarily remain in place as a surface casing. The remainder of the boring was drilled with 8-inch OD hollow-stem augers. The 8-inch augers were retrieved as monitor well materials were installed. The 17-inch augers were removed during annular space cementing.

The uppermost groundwater-bearing zone was encountered at 104 feet bgs. The static depth to groundwater measured 06/27/06 was 91.82 feet from TOC.

STATE OF TEXAS
Michael L. Garrigan
Geology
1249
LICENSED
PROFESSIONAL GEOSCIENTIST

07-2[illegible]06 P:\Projects\JCI - Fullerton\Boring logs\MW-1.bor

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environmental services
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972-580-1323

LOG OF BORING - MW-2

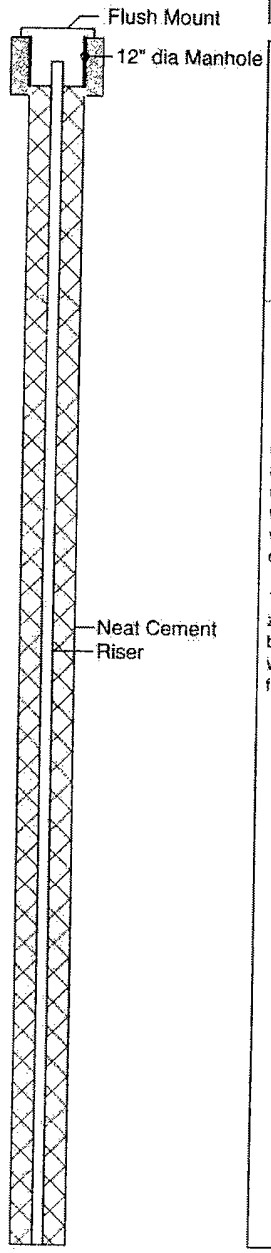
Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 06/21/06	Driller	:
Boring Diameter	: 8 inches / 17 inches	ENTACT Geologist	: Michael Garrigan, PG
Drilling Method	: Hollow-Stem Auger		
Sampling Method	: Core Barrel		
Drilling Company	: WDC		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)
0	Concrete (0-5")			
1–2	SILT (ML), very dark grayish brown, firm, no plasticity, moist, no odor or staining.			
3–4	SILTY CLAY (CL), brown, stiff, low plasticity, moist, no odor or staining.			
5			0	MW-2 (4.5-5)
6–9				
10			0	MW-2 (9.5-10)
10–11	CLAYEY SILT (ML), brown, firm, no plasticity, moist, no odor or staining.			
12–13	SILTY CLAY (CL), brown, moist no odor or staining.			
14–15			0	
16–19				
20			0	MW-2 (19.5-20)
21–22				
23	SILTY SAND (SM), brown, fine-grained sand with silt, medium dense, moist, no odor or staining.			
24–25	SILTY CLAY (CL), brown, stiff, low plasticity, moist, no odor or staining.			

MW-2:



Well Construction Information

Well Materials	: Sch. 40 PVC
Well Diameter	: 2 inches
Joints	: Threaded
Riser Length	: 100 ft
Riser Depth	: 0 to 100 ft
Screen Length	: 20 ft
Screen Depth	: 100 to 120 ft
Screen Slot	: 0.010 inch
Annular Seal	: Neat Cement
Transition Seal	: Bentonite
Sand Pack	: 2/12

Boring was drilled to 40 feet with 17-inch OD hollow-stem augers. Augers were allowed to remain in place as a temporary surface casing. The remainder of the boring was drilled with 8-inch OD hollow-stem augers. The 8-inch OD augers were retrieved as monitor well materials were installed. The 17-inch augers were removed during annular space cementing.

The uppermost groundwater bearing zone was encountered at 100 feet bgs. The depth to groundwater was measured on 06/27/06 at 92.73 feet from TOC.

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LOG OF BORING - MW-2

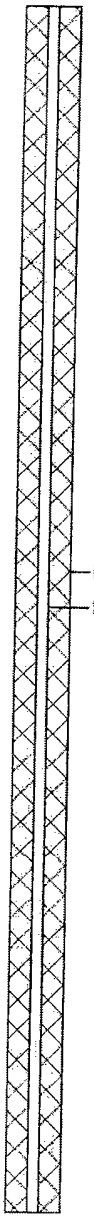
Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 06/21/06	Driller	:
Boring Diameter	: 8 inches / 17 inches	ENTACT Geologist	: Michael Garrigan, PG
Drilling Method	: Hollow-Stem Auger		
Sampling Method	: Core Barrel		
Drilling Company	: WDC		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)
25	Same as above.			
26				
27	SAND (SP), light brown, fine-grained sand, well sorted, moist, no odor or staining.			
28				
29	CLAY (CL), brown, firm, medium plasticity, moist, no odor or staining.		0	MW-2 (29.5-30)
30	SILTY CLAY (CL), brown, stiff, low plasticity, moist, no odor or staining.			
31				
32				
33				
34				
35	SILTY SAND (SM), brown, fine-grained sand, well sorted, loose, moist, no odor or staining.		0	
36	SAND (SP), light yellowish brown, fine-grained sand, loose, well sorted, moist, no odor or staining.			
37				
38	SILTY CLAY (CL), brown, no plasticity, stiff, moist, no odor or staining.			
39	CLAYEY SILT (ML), brown, firm, no plasticity, moist, no odor or staining.		0	MW-2 (39.5-40)
40				
41				
42				
43				
44				
45			0	
46				
47				
48	SAND (SP), light yellowish brown, medium grained sand, loose, well sorted, moist, no odor or staining.			
49				
50			0	MW-2 (49.5-50)

MW-2:



Well Construction Information

Well Materials	: Sch. 40 PVC
Well Diameter	: 2 inches
Joints	: Threaded
Riser Length	: 100 ft
Riser Depth	: 0 to 100 ft
Screen Length	: 20 ft
Screen Depth	: 100 to 120 ft
Screen Slot	: 0.010 inch
Annular Seal	: Neat Cement
Transition Seal	: Bentonite
Sand Pack	: 2/12

Boring was drilled to 40 feet with 17-inch OD hollow-stem augers. Augers were allowed to remain in place as a temporary surface casing. The remainder of the boring was drilled with 8-inch OD hollow-stem augers. The 8-inch OD augers were retrieved as monitor well materials were installed. The 17-inch augers were removed during annular space cementing.

The uppermost groundwater bearing zone was encountered at 100 feet bgs. The depth to groundwater was measured on 06/27/06 at 92.73 feet from TOC.

STATE OF TEXAS
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LOG OF BORING - MW-2

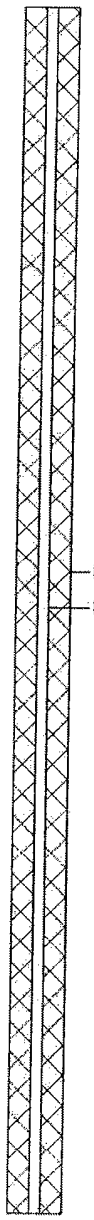
Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 06/21/06	Driller	:
Boring Diameter	: 8 inches / 17 inches	ENTACT Geologist	: Michael Garrigan, PG
Drilling Method	: Hollow-Stem Auger		
Sampling Method	: Core Barrel		
Drilling Company	: WDC		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)
50	Same as above.			
51				
52				
53				
54				
55			0	
56				
57				
58				
59	SILTY CLAY (CL), brown, stiff, low plasticity, moist, no odor or staining.			
60	CLAY (CL-CH), dark reddish brown, stiff, medium-to-high plasticity, moist, no odor or staining.		0	MW-2 (59.5-60)
61				
62				
63				
64				
65			0	
66				
67				
68				
69				
70			0	MW-2 (69.5-70)
71				
72				
73				
74				
75				

MW-2:



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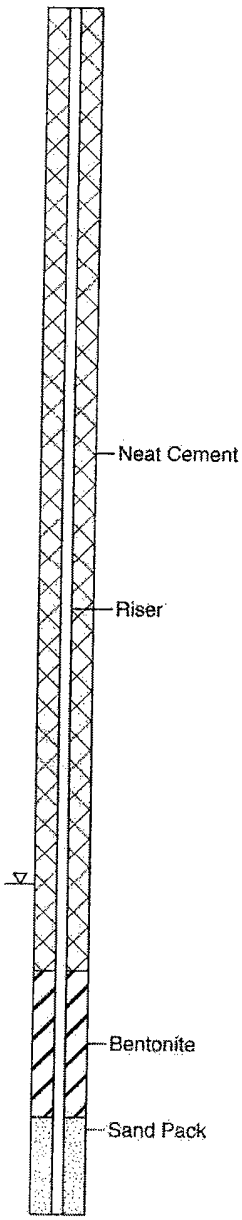
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 06/21/06	Driller	:
Boring Diameter	: 8 inches / 17 inches	ENTACT Geologist	: Michael Garrigan, PG
Drilling Method	: Hollow-Stem Auger		
Sampling Method	: Core Barrel		
Drilling Company	: WDC		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)
75–80	SILTY SAND (SM), brown, fine-grained sand with silt, medium dense, moist, no odor or staining.		0	MW-2 (79.5-80)
80–94	SAND (SP), light yellowish brown, fine grained sand 80 to 88 feet, grades to coarse-grained sand at 88 feet with gravell at 89 feet, coarse-grained sand seam at 93.5 to 94 feet, well sorted, compact, moist, no odor or staining.		0 0	MW-2 (89.5-90)
94–97	SILTY SAND (SM), brown, fine-grained sand with silt, medium plasticity, moist, no odor or staining.		0	
97–100	CLAYEY SILT (ML), brown, firm, low plasticity, moist, no odor or staining.			

MW-2:



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LOG OF BORING - MW-2

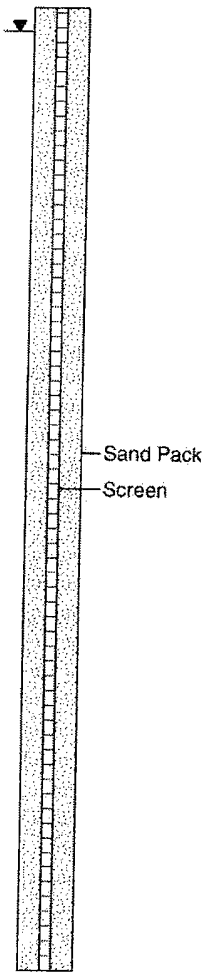
Johnson Controls, Inc.
1550 Kimberly Avenue
Fullerton, California

Project No. C1613

Date Drilled	: 06/21/06	Driller	:
Boring Diameter	: 8 inches / 17 inches	ENTACT Geologist	: Michael Garrigan, PG
Drilling Method	: Hollow-Stem Auger		
Sampling Method	: Core Barrel		
Drilling Company	: WDC		

Depth in Feet	Description	Graphic Log	PID (ppm)	Sample Depth (feet)
100–114	SILTY SAND (SM), brown, fine-grained sand, with small rounded gravel at 109.5 feet, well sorted, wet, no odor or staining.		0 (105); 0 (110)	
115–119	SAND (SW), dark grayish brown, fine-to-medium grained sand with occasional angular gravel, poorly sorted, granite cobble at 119.5', wet, no odor or staining.		0 (115); 0 (119)	
120	Total Depth = 120 feet.			

MW-2:



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Riser Depth	: 0 to 100 ft
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JOHNSON CONTROLS

Appendix C

Laboratory Reports for Soil Samples

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

April 18, 2006

STL LOT NUMBER: E6C310311
NELAP Certification Number: 01118CA/E87652

Jennifer Alexander
Entact Environmental Services,
3129 Bass Pro Drive
Grapevine, TX 76051

Dear Ms. Alexander,

This report contains the analytical results for the six samples received under chain of custody by STL Los Angeles on March 31, 2006. These samples are associated with your Johnson Controls, Fullerton CA project.

All applicable quality control procedures met method-specified acceptance criteria except as noted on the following page. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. See Project Receipt Checklist for container temperature and conditions. Temperature reading between 2 to 6 degrees Celsius is considered within acceptable criteria. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. The case narrative is an integral part of the report. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at (714) 258-8610 extension 325.

Sincerely,

Diane Suzuki
Project Manager

CC: Project File

Page 1 of 000039 total pages in this report.

NGSC-GLU004820

LOT NUMBER E6C310311

Nonconformance 05-16157

Affected Samples:
E6C310311 (1): SB128/4.5-5
E6C310311 (2): SB128/9.5-10
E6C310311 (3): SB128/19.5-20
E6C310311 (4): SB128/29.5-30
E6C310311 (5): SB128/39.5-40
E6C310311 (6): SB128/49.5-50

Affected Methods:
8260B/5035

Case Narrative:
There was insufficient sample volume provided to prepare a project-specific MS/MSD. A duplicate LCS has been prepared to provide accuracy and precision measurement for the samples in this project.

NGSC-GLU004821

E6C310311

CHAIN OF CUSTODY RECORD

E6C310311

SAMPLE:
- Treated Stockpile
- Untreated Stockpile
- Excavation Verification
- Air
- Groundwater
- Other SOIL

ENTACT

☐ **CHICAGO OFFICE**
1010 EXECUTIVE COURT
SUITE 280
WESTMONT, IL 60559
630.986.2900
630.986.0653 f

☑ **DALLAS OFFICE**
4040 WEST ROYAL LANE
SUITE 136
IRVING, TX 75063
972.580.1323
972.550.7464 f

"Safety keeps you ENTACT"

PROJECT INFORMATION

NAME ENTACT - JCI FULLERTON
JOB NUMBER C1613
LOCATION FULLERTON, CA
PHONE 972.580.1323
CONTACT JENNIFER ALEXANDER
EMAIL

REQUIRED TURNAROUND
- Standard
- 5 Day
- 3 Day
- 48 Hour
- 24 Hour
- ☒ HOLD

DETECTION LIMIT CRITERIA

SAMPLE NUMBER	DESCRIPTION	DATE	TIME	MATRIX	GRAB	COMPOSITE	HCL	HNO3	ENCORE	NONE	ICE				NUMBER OF CONTAINERS (SUPPLIED FOR EACH SAMPLE)	VOC 8260B	MOISTURE %									FILTERED Y/N FIELD / LAB — MICRON FILTER	COMMENTS
	SB128/4.5-5	3.30.06	7:20	S	✓				✓		✓				4	✓	✓										HOLD ALL ANALYSES
	SB128/9.5-10	↓	7:30	S	✓				✓		✓				4	✓	✓										
	SB128/19.5-20		7:40	S	✓				✓		✓				4	✓	✓										
	SB128/29.5-30		8:00	S	✓				✓		✓				4	✓	✓										
	SB128/39.5-40		8:30	S	✓				✓		✓				4	✓	✓										
	SB128/49.5-50	↓	9:00	S	✓				✓		✓				4	✓	✓										

SHIPPING METHOD: AIRBILL NO: SAMPLER: LAB NAME:

RELINQUISHED BY:	DATE	RECEIVED BY:	DATE	RELINQUISHED BY:	DATE
SIGNATURE: Greg Rainwater	3.31.06	SIGNATURE: Vince Padilla	3/31/06	SIGNATURE:	
PRINTED NAME: GREG RAINWATER	TIME 6:00	PRINTED NAME: Vince Padilla	TIME 1145	PRINTED NAME	TIME
RECEIVED BY:	DATE	RECEIVED BY:	DATE	RECEIVED BY:	DATE
SIGNATURE: Vince Padilla	3/31/06	SIGNATURE: Steve Gonzalez	3/31/06	SIGNATURE:	
PRINTED NAME: Vince Padilla	TIME 1130	PRINTED NAME: Steve Gonzalez	TIME 1130	PRINTED NAME	TIME

LAB JOB ID

TEMPERATURE UPON RECEIPT

MEDIA: S - Soil W - Water A - Air DISTRIBUTION: White Copy - To Customer w/Report Pink Copy - To Job File Yellow Copy - To Lab

3

NGSC-GLU004822

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST

Date: 3/31/06

Multiple Coolers Only

Page 1 of 2

LIMS Lot #: E6C310311

Quote #: 68553

Client Name: Entact

Project: JCI Fullerton

Received by: SG

Date/Time Received: 3/31/06 1130

Delivered by : ☐ Client ☒ STL ☐ DHL ☐ Fed Ex ☐ UPS ☐ Other

****

Initial / Date

Custody Seal Status Cooler: ☐ Intact ☐ Broken ___/___/___/___/___/___ ☒ None SG 3/31/06

Custody Seal Status Samples: ☐ Intact ☐ Broken ☒ None .....

Custody Seal #(s): ___/___/___/___/___/___ ☒ No Seal #.....

Sampler Signature on COC ☐ Yes ☐ No ☒ N/A.....

IR Gun # __A_ Correction Factor _-.5__ °C IR passed daily verification ☒ Yes ☐ No .....

Temperature - BLANK 2.5 °C - .5 CF = 2.0 °C ...Cooler #1 ID N/A .....

Temperature – COOLER (___ °C ___ °C ___ °C ___ °C) = ___ avg °C +/- ___ CF = ___ °C.....

Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒ N/A...

Temperature - BLANK 4.5 °C - .5 CF = 4.0 °C ...Cooler #2 ID _____ .....

Temperature – COOLER (___ °C ___ °C ___ °C ___ °C) = ___ avg °C +/- ___ CF = ___ °C.....

Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒ N/A...

Temperature - BLANK ___ °C - .5 CF = ___ °C ...Cooler #3 ID _____ .....

Temperature – COOLER (___ °C ___ °C ___ °C ___ °C) = ___ avg °C +/- ___ CF = ___ °C.....

Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☐ N/A...

Sample Container(s): ☒ STL-LA ☐ Client .....

pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒ N/A..

Anomalies: ☒ No ☐ Yes – complete CUR and Create NCM .....

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ Yes ☐ No....

Labeled by: SG .....

****

Turn Around Time: ☐ RUSH–24HR ☐ RUSH–48HR ☐ RUSH–72HR ☒ NORMAL..... SG 3/31/06

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐ YES ☒ N/A SG 3/31/06

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

NGSC-GLU004823

LIMS Lot # E6C310311

PROJECT RECEIPT CHECKLIST Cont'd

	Sample 1-6												
ntainer ype	Fraction -Cooler												
VOAH	-	-	-	-	-	-	-	-	-	-	-	-	-
2oz CG	1 - 2	-	-	-	-	-	-	-	-	-	-	-	-
25gE	1 - 1	-	-	-	-	-	-	-	-	-	-	-	-
5gE	2 - 1	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-

3/31/06

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore
AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☐ Yes ☒ N/A 3/31/06

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **CUSTODY SEALS (COOLER(S))**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CONTAINER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☐ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other ☐ COC not received – notify PM
- **CONTAINERS**
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
  - ☐ Will be noted on COC--Client to send samples with new COC
  - ☐ Mislabeled as to tests, preservatives, etc.
  - ☐ Holding time expired – list sample ID and test
  - ☐ Improper container used
  - ☐ Not preserved/Improper preservative used
  - ☐ Improper pH _____ Lab to preserve sample and document
  - ☐ Insufficient quantities for analysis ☐ Other

Comments:

☐ Corrective Action Implemented:

☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____

☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: Logged in by other STL ☐ ___ Albert Thorson 3-31-06

PM Review/Date: 3/31/06

NGSC-GLU004824

ENTACT Services, LLC
3129 Bass Pro Drive
Grapevine, TX 76051
p. 972.580.1323
f. 972.550.7464

ENTACT

MEMORANDUM

TO: Diane Suzuki, *dsuzuki@stl-inc.com*

FROM: Greg Rainwater

DATE: April 6, 2006

RE: **Additional Soil Analysis**
JCI Fullerton, CA Project

Please analyze the following soil samples that were collected for March 30, 2006 for VOCs per EPA Method 8260B:

SB128 / 4.5-5
SB128 / 9.5-10
SB128 / 19.5-20
SB128 / 29.5-30
SB128 / 39.5-40
SB128 / 49.5-50

SB129 / 29.5-30
SB129 / 39.5-40
SB129 / 49.5-50

In addition, please analyze the following sample for Grain Size Distribution (dry) per ASTM D422:

SB129 / 5-6
SB130 / 69-70

SEVERN TRENT STL

Analytical Report

NGSC-GLU004826

EXECUTIVE SUMMARY - Detection Highlights

E6C310311

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SB128/4.5-5 03/30/06 07:20 001				
Tetrachloroethene	150	5.7	ug/kg	SW846 8260B
Trichloroethene	21	5.7	ug/kg	SW846 8260B
Percent Moisture	21.4	0.10	%	MCAWW 160.3 MOD
SB128/9.5-10 03/30/06 07:30 002				
cis-1,2-Dichloroethene	2.9 J	5.3	ug/kg	SW846 8260B
Tetrachloroethene	150	5.3	ug/kg	SW846 8260B
Trichloroethene	18	5.3	ug/kg	SW846 8260B
Percent Moisture	20.4	0.10	%	MCAWW 160.3 MOD
SB128/19.5-20 03/30/06 07:40 003				
Tetrachloroethene	52	4.6	ug/kg	SW846 8260B
Trichloroethene	5.8	4.6	ug/kg	SW846 8260B
Percent Moisture	13.9	0.10	%	MCAWW 160.3 MOD
SB128/29.5-30 03/30/06 08:00 004				
Tetrachloroethene	380	280	ug/kg	SW846 8260B
Percent Moisture	22.3	0.10	%	MCAWW 160.3 MOD
SB128/39.5-40 03/30/06 08:30 005				
1,1-Dichloroethene	16	5.1	ug/kg	SW846 8260B
Tetrachloroethene	76	5.1	ug/kg	SW846 8260B
Trichloroethene	43	5.1	ug/kg	SW846 8260B
Percent Moisture	17.6	0.10	%	MCAWW 160.3 MOD
SB128/49.5-50 03/30/06 09:00 006				
1,1-Dichloroethene	17	5.5	ug/kg	SW846 8260B
Tetrachloroethene	26	5.5	ug/kg	SW846 8260B
Trichloroethene	27	5.5	ug/kg	SW846 8260B
Percent Moisture	21.8	0.10	%	MCAWW 160.3 MOD

METHODS SUMMARY

E6C310311

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5035

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

NGSC-GLU004828

SAMPLE SUMMARY

E6C310311

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H2EGT	001	SB128/4.5-5	03/30/06	07:20
H2EG4	002	SB128/9.5-10	03/30/06	07:30
H2EG5	003	SB128/19.5-20	03/30/06	07:40
H2EG7	004	SB128/29.5-30	03/30/06	08:00
H2EG8	005	SB128/39.5-40	03/30/06	08:30
H2EHA	006	SB128/49.5-50	03/30/06	09:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

NGSC-GLU004829

Entact Environmental Services, LLC

Client Sample ID: SB128/4.5-5

GC/MS Volatiles

Lot-Sample #...:	E6C310311-001	**Work Order #...:**	H2EGT1AC	**Matrix.....:**	SO
Date Sampled...:	03/30/06 07:20	**Date Received..:**	03/31/06 11:30	**MS Run #.....:**	
Prep Date.....:	03/31/06	**Analysis Date..:**	04/06/06		
Prep Batch #...:	6095423	**Analysis Time..:**	15:30		
Dilution Factor:	0.89				
% Moisture.....:	21	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	28	ug/kg	11
Benzene	ND	5.7	ug/kg	2.3
Bromobenzene	ND	5.7	ug/kg	2.3
Bromochloromethane	ND	5.7	ug/kg	1.1
Bromoform	ND	5.7	ug/kg	2.3
Bromomethane	ND	11	ug/kg	2.3
2-Butanone	ND	28	ug/kg	17
n-Butylbenzene	ND	5.7	ug/kg	2.3
sec-Butylbenzene	ND	5.7	ug/kg	2.3
tert-Butylbenzene	ND	5.7	ug/kg	2.3
Carbon disulfide	ND	5.7	ug/kg	2.3
Carbon tetrachloride	ND	5.7	ug/kg	1.1
Chlorobenzene	ND	5.7	ug/kg	2.3
Dibromochloromethane	ND	5.7	ug/kg	2.3
Bromodichloromethane	ND	5.7	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.3
Chloroform	ND	5.7	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.4
2-Chlorotoluene	ND	5.7	ug/kg	2.3
4-Chlorotoluene	ND	5.7	ug/kg	2.3
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.4
1,2-Dibromoethane (EDB)	ND	5.7	ug/kg	2.3
Dibromomethane	ND	5.7	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.7	ug/kg	2.3
1,3-Dichlorobenzene	ND	5.7	ug/kg	2.3
1,4-Dichlorobenzene	ND	5.7	ug/kg	2.3
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.7	ug/kg	1.1
1,2-Dichloroethane	ND	5.7	ug/kg	1.1
1,1-Dichloroethene	ND	5.7	ug/kg	2.3
cis-1,2-Dichloroethene	ND	5.7	ug/kg	2.3
trans-1,2-Dichloroethene	ND	5.7	ug/kg	2.3
1,2-Dichloropropane	ND	5.7	ug/kg	1.1
1,3-Dichloropropane	ND	5.7	ug/kg	2.3
2,2-Dichloropropane	ND	5.7	ug/kg	2.3
1,1-Dichloropropene	ND	5.7	ug/kg	1.1

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NGSC-GLU004830

Entact Environmental Services, LLC

Client Sample ID: SB128/4.5-5

GC/MS Volatiles

Lot-Sample #...: E6C310311-001 Work Order #...: H2EGT1AC Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.7	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.7	ug/kg	2.3
Ethylbenzene	ND	5.7	ug/kg	2.3
Hexachlorobutadiene	ND	5.7	ug/kg	2.3
2-Hexanone	ND	28	ug/kg	11
Isopropylbenzene	ND	5.7	ug/kg	2.3
p-Isopropyltoluene	ND	5.7	ug/kg	2.3
Methylene chloride	ND	5.7	ug/kg	2.3
4-Methyl-2-pentanone	ND	28	ug/kg	11
Methyl tert-butyl ether	ND	5.7	ug/kg	1.1
Naphthalene	ND	5.7	ug/kg	2.3
n-Propylbenzene	ND	5.7	ug/kg	2.3
Styrene	ND	11	ug/kg	2.3
1,1,1,2-Tetrachloroethane	ND	5.7	ug/kg	2.3
1,1,2,2-Tetrachloroethane	ND	5.7	ug/kg	2.3
Tetrachloroethene	**150**	**5.7**	**ug/kg**	**2.3**
Toluene	ND	5.7	ug/kg	2.3
1,2,3-Trichlorobenzene	ND	5.7	ug/kg	2.3
1,2,4-Trichlorobenzene	ND	5.7	ug/kg	2.3
1,1,1-Trichloroethane	ND	5.7	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.7	ug/kg	2.3
Trichloroethene	**21**	**5.7**	**ug/kg**	**2.3**
Trichlorofluoromethane	ND	11	ug/kg	2.3
1,2,3-Trichloropropane	ND	5.7	ug/kg	2.3
1,1,2-Trichlorotrifluoroethane	ND	5.7	ug/kg	2.3
1,2,4-Trimethylbenzene	ND	5.7	ug/kg	2.3
1,3,5-Trimethylbenzene	ND	5.7	ug/kg	2.3
Vinyl chloride	ND	11	ug/kg	2.3
m-Xylene & p-Xylene	ND	5.7	ug/kg	2.3
o-Xylene	ND	5.7	ug/kg	2.3
Xylenes (total)	ND	5.7	ug/kg	2.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(60 - 130)
1,2-Dichloroethane-d4	69	(60 - 140)
Toluene-d8	86	(70 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU004831

Entact Environmental Services, LLC

Client Sample ID: SB128/4.5-5

General Chemistry

Lot-Sample #...: E6C310311-001 Work Order #...: H2EGT Matrix.....: SO
Date Sampled...: 03/30/06 07:20 Date Received..: 03/31/06 11:30
% Moisture.....: 21

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	21.4	0.10	%	MCAWW 160.3 MOD	04/10-04/11/06	6100257

Dilution Factor: 1 Analysis Time..: 11:50 Analyst ID.....: 000064
Instrument ID..: W15 MS Run #.....: 6100156 MDL.....:

NGSC-GLU004832

Entact Environmental Services, LLC

Client Sample ID: SB128/9.5-10

GC/MS Volatiles

Lot-Sample #...: E6C310311-002 Work Order #...: H2EG41AC Matrix.....: SO
Date Sampled...: 03/30/06 07:30 Date Received..: 03/31/06 11:30 MS Run #.....:
Prep Date.....: 03/31/06 Analysis Date..: 04/06/06
Prep Batch #...: 6095423 Analysis Time..: 15:52
Dilution Factor: 0.85
% Moisture.....: 20 Analyst ID.....: 999998 Instrument ID..: MSP
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	27	ug/kg	11
Benzene	ND	5.3	ug/kg	2.1
Bromobenzene	ND	5.3	ug/kg	2.1
Bromochloromethane	ND	5.3	ug/kg	1.1
Bromoform	ND	5.3	ug/kg	2.1
Bromomethane	ND	11	ug/kg	2.1
2-Butanone	ND	27	ug/kg	16
n-Butylbenzene	ND	5.3	ug/kg	2.1
sec-Butylbenzene	ND	5.3	ug/kg	2.1
tert-Butylbenzene	ND	5.3	ug/kg	2.1
Carbon disulfide	ND	5.3	ug/kg	2.1
Carbon tetrachloride	ND	5.3	ug/kg	1.1
Chlorobenzene	ND	5.3	ug/kg	2.1
Dibromochloromethane	ND	5.3	ug/kg	2.1
Bromodichloromethane	ND	5.3	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.1
Chloroform	ND	5.3	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.2
2-Chlorotoluene	ND	5.3	ug/kg	2.1
4-Chlorotoluene	ND	5.3	ug/kg	2.1
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.2
1,2-Dibromoethane (EDB)	ND	5.3	ug/kg	2.1
Dibromomethane	ND	5.3	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,3-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,4-Dichlorobenzene	ND	5.3	ug/kg	2.1
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.3	ug/kg	1.1
1,2-Dichloroethane	ND	5.3	ug/kg	1.1
1,1-Dichloroethene	ND	5.3	ug/kg	2.1
cis-1,2-Dichloroethene	**2.9 J**	**5.3**	**ug/kg**	**2.1**
trans-1,2-Dichloroethene	ND	5.3	ug/kg	2.1
1,2-Dichloropropane	ND	5.3	ug/kg	1.1
1,3-Dichloropropane	ND	5.3	ug/kg	2.1
2,2-Dichloropropane	ND	5.3	ug/kg	2.1
1,1-Dichloropropene	ND	5.3	ug/kg	1.1

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NGSC-GLU004833

Entact Environmental Services, LLC

Client Sample ID: SB128/9.5-10

GC/MS Volatiles

Lot-Sample #...: E6C310311-002 **Work Order #...:** H2EG41AC **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.3	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.3	ug/kg	2.1
Ethylbenzene	ND	5.3	ug/kg	2.1
Hexachlorobutadiene	ND	5.3	ug/kg	2.1
2-Hexanone	ND	27	ug/kg	11
Isopropylbenzene	ND	5.3	ug/kg	2.1
p-Isopropyltoluene	ND	5.3	ug/kg	2.1
Methylene chloride	ND	5.3	ug/kg	2.1
4-Methyl-2-pentanone	ND	27	ug/kg	11
Methyl tert-butyl ether	ND	5.3	ug/kg	1.1
Naphthalene	ND	5.3	ug/kg	2.1
n-Propylbenzene	ND	5.3	ug/kg	2.1
Styrene	ND	11	ug/kg	2.1
1,1,1,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
1,1,2,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
Tetrachloroethene	**150**	**5.3**	**ug/kg**	**2.1**
Toluene	ND	5.3	ug/kg	2.1
1,2,3-Trichlorobenzene	ND	5.3	ug/kg	2.1
1,2,4-Trichloro-benzene	ND	5.3	ug/kg	2.1
1,1,1-Trichloroethane	ND	5.3	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.3	ug/kg	2.1
Trichloroethene	**18**	**5.3**	**ug/kg**	**2.1**
Trichlorofluoromethane	ND	11	ug/kg	2.1
1,2,3-Trichloropropane	ND	5.3	ug/kg	2.1
1,1,2-Trichlorotrifluoro-ethane	ND	5.3	ug/kg	2.1
1,2,4-Trimethylbenzene	ND	5.3	ug/kg	2.1
1,3,5-Trimethylbenzene	ND	5.3	ug/kg	2.1
Vinyl chloride	ND	11	ug/kg	2.1
m-Xylene & p-Xylene	ND	5.3	ug/kg	2.1
o-Xylene	ND	5.3	ug/kg	2.1
Xylenes (total)	ND	5.3	ug/kg	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	90	(60 - 130)
1,2-Dichloroethane-d4	73	(60 - 140)
Toluene-d8	80	(70 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU004834

Entact Environmental Services, LLC

Client Sample ID: SB128/9.5-10

General Chemistry

Lot-Sample #...: E6C310311-002 Work Order #...: H2EG4 Matrix.....: SO
Date Sampled...: 03/30/06 07:30 Date Received..: 03/31/06 11:30
% Moisture.....: 20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	20.4	0.10	%	MCANW 160.3 MOD	04/10-04/11/06	6100257

Dilution Factor: 1 Analysis Time..: 11:50 Analyst ID.....: 0000646
Instrument ID..: W15 MS Run #.....: 6100156 MDL.....:

NGSC-GLU004835

Entact Environmental Services, LLC

Client Sample ID: SB128/19.5-20

GC/MS Volatiles

Lot-Sample #...:	E6C310311-003	**Work Order #...:**	H2EG51AC	**Matrix.....:**	SO
Date Sampled...:	03/30/06 07:40	**Date Received..:**	03/31/06 11:30	**MS Run #.....:**	
Prep Date.....:	03/31/06	**Analysis Date..:**	04/06/06		
Prep Batch #...:	6095423	**Analysis Time..:**	16:14		
Dilution Factor:	0.79				
% Moisture.....:	14	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	23	ug/kg	9.2
Benzene	ND	4.6	ug/kg	1.8
Bromobenzene	ND	4.6	ug/kg	1.8
Bromochloromethane	ND	4.6	ug/kg	0.92
Bromoform	ND	4.6	ug/kg	1.8
Bromomethane	ND	9.2	ug/kg	1.8
2-Butanone	ND	23	ug/kg	14
n-Butylbenzene	ND	4.6	ug/kg	1.8
sec-Butylbenzene	ND	4.6	ug/kg	1.8
tert-Butylbenzene	ND	4.6	ug/kg	1.8
Carbon disulfide	ND	4.6	ug/kg	1.8
Carbon tetrachloride	ND	4.6	ug/kg	0.92
Chlorobenzene	ND	4.6	ug/kg	1.8
Dibromochloromethane	ND	4.6	ug/kg	1.8
Bromodichloromethane	ND	4.6	ug/kg	0.92
Chloroethane	ND	9.2	ug/kg	1.8
Chloroform	ND	4.6	ug/kg	0.92
Chloromethane	ND	9.2	ug/kg	2.8
2-Chlorotoluene	ND	4.6	ug/kg	1.8
4-Chlorotoluene	ND	4.6	ug/kg	1.8
1,2-Dibromo-3-chloro-propane	ND	9.2	ug/kg	2.8
1,2-Dibromoethane (EDB)	ND	4.6	ug/kg	1.8
Dibromomethane	ND	4.6	ug/kg	0.92
1,2-Dichlorobenzene	ND	4.6	ug/kg	1.8
1,3-Dichlorobenzene	ND	4.6	ug/kg	1.8
1,4-Dichlorobenzene	ND	4.6	ug/kg	1.8
Dichlorodifluoromethane	ND	9.2	ug/kg	0.92
1,1-Dichloroethane	ND	4.6	ug/kg	0.92
1,2-Dichloroethane	ND	4.6	ug/kg	0.92
1,1-Dichloroethene	ND	4.6	ug/kg	1.8
cis-1,2-Dichloroethene	ND	4.6	ug/kg	1.8
trans-1,2-Dichloroethene	ND	4.6	ug/kg	1.8
1,2-Dichloropropane	ND	4.6	ug/kg	0.92
1,3-Dichloropropane	ND	4.6	ug/kg	1.8
2,2-Dichloropropane	ND	4.6	ug/kg	1.8
1,1-Dichloropropene	ND	4.6	ug/kg	0.92

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NGSC-GLU004836

Entact Environmental Services, LLC

Client Sample ID: SB128/19.5-20

GC/MS Volatiles

Lot-Sample #...: E6C310311-003 Work Order #...: H2EG51AC Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	4.6	ug/kg	0.92
trans-1,3-Dichloropropene	ND	4.6	ug/kg	1.8
Ethylbenzene	ND	4.6	ug/kg	1.8
Hexachlorobutadiene	ND	4.6	ug/kg	1.8
2-Hexanone	ND	23	ug/kg	9.2
Isopropylbenzene	ND	4.6	ug/kg	1.8
p-Isopropyltoluene	ND	4.6	ug/kg	1.8
Methylene chloride	ND	4.6	ug/kg	1.8
4-Methyl-2-pentanone	ND	23	ug/kg	9.2
Methyl tert-butyl ether	ND	4.6	ug/kg	0.92
Naphthalene	ND	4.6	ug/kg	1.8
n-Propylbenzene	ND	4.6	ug/kg	1.8
Styrene	ND	9.2	ug/kg	1.8
1,1,1,2-Tetrachloroethane	ND	4.6	ug/kg	1.8
1,1,2,2-Tetrachloroethane	ND	4.6	ug/kg	1.8
Tetrachloroethene	**52**	**4.6**	**ug/kg**	**1.8**
Toluene	ND	4.6	ug/kg	1.8
1,2,3-Trichlorobenzene	ND	4.6	ug/kg	1.8
1,2,4-Trichloro-benzene	ND	4.6	ug/kg	1.8
1,1,1-Trichloroethane	ND	4.6	ug/kg	0.92
1,1,2-Trichloroethane	ND	4.6	ug/kg	1.8
Trichloroethene	**5.8**	**4.6**	**ug/kg**	**1.8**
Trichlorofluoromethane	ND	9.2	ug/kg	1.8
1,2,3-Trichloropropane	ND	4.6	ug/kg	1.8
1,1,2-Trichlorotrifluoro-ethane	ND	4.6	ug/kg	1.8
1,2,4-Trimethylbenzene	ND	4.6	ug/kg	1.8
1,3,5-Trimethylbenzene	ND	4.6	ug/kg	1.8
Vinyl chloride	ND	9.2	ug/kg	1.8
m-Xylene & p-Xylene	ND	4.6	ug/kg	1.8
o-Xylene	ND	4.6	ug/kg	1.8
Xylenes (total)	ND	4.6	ug/kg	1.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(60 - 130)
1,2-Dichloroethane-d4	77	(60 - 140)
Toluene-d8	85	(70 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU004837

Entact Environmental Services, LLC

Client Sample ID: SB128/19.5-20

General Chemistry

Lot-Sample #...: E6C310311-003 **Work Order #...:** H2EG5 **Matrix.....:** SO
Date Sampled...: 03/30/06 07:40 **Date Received..:** 03/31/06 11:30
% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**13.9**	**0.10**	**%**	**MCAWW 160.3 MOD**	**04/10-04/11/06**	**6100257**

Dilution Factor: 1 Analysis Time..: 11:50 Analyst ID.....: 0000646
Instrument ID..: W15 MS Run #.....: 6100156 MDL.....:

NGSC-GLU004838

Entact Environmental Services, LLC

Client Sample ID: SB128/29.5-30

GC/MS Volatiles

Lot-Sample #...:	E6C310311-004	**Work Order #...:**	H2EG71AC	**Matrix.....:**	SO
Date Sampled...:	03/30/06 08:00	**Date Received..:**	03/31/06 11:30	**MS Run #.....:**	
Prep Date.....:	03/31/06	**Analysis Date..:**	04/07/06		
Prep Batch #...:	6097349	**Analysis Time..:**	12:43		
Dilution Factor:	0.86				
% Moisture.....:	22	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	1400	ug/kg	440
Benzene	ND	280	ug/kg	110
Bromobenzene	ND	280	ug/kg	77
Bromochloromethane	ND	280	ug/kg	83
Bromoform	ND	280	ug/kg	110
Bromomethane	ND	550	ug/kg	280
2-Butanone	ND	1400	ug/kg	550
n-Butylbenzene	ND	280	ug/kg	77
sec-Butylbenzene	ND	280	ug/kg	77
tert-Butylbenzene	ND	280	ug/kg	77
Carbon disulfide	ND	280	ug/kg	110
Carbon tetrachloride	ND	280	ug/kg	66
Chlorobenzene	ND	280	ug/kg	110
Dibromochloromethane	ND	280	ug/kg	110
Bromodichloromethane	ND	280	ug/kg	110
Chloroethane	ND	550	ug/kg	280
Chloroform	ND	280	ug/kg	77
Chloromethane	ND	550	ug/kg	220
2-Chlorotoluene	ND	280	ug/kg	77
4-Chlorotoluene	ND	280	ug/kg	77
1,2-Dibromo-3-chloro-propane	ND	550	ug/kg	170
1,2-Dibromoethane (EDB)	ND	280	ug/kg	77
Dibromomethane	ND	280	ug/kg	120
1,2-Dichlorobenzene	ND	280	ug/kg	110
1,3-Dichlorobenzene	ND	280	ug/kg	77
1,4-Dichlorobenzene	ND	280	ug/kg	110
Dichlorodifluoromethane	ND	550	ug/kg	190
1,1-Dichloroethane	ND	280	ug/kg	110
1,2-Dichloroethane	ND	280	ug/kg	77
1,1-Dichloroethene	ND	280	ug/kg	130
cis-1,2-Dichloroethene	ND	280	ug/kg	110
trans-1,2-Dichloroethene	ND	280	ug/kg	130
1,2-Dichloropropane	ND	280	ug/kg	110
1,3-Dichloropropane	ND	280	ug/kg	110
2,2-Dichloropropane	ND	280	ug/kg	66
1,1-Dichloropropene	ND	280	ug/kg	110

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NGSC-GLU004839

Entact Environmental Services, LLC

Client Sample ID: SB128/29.5-30

GC/MS Volatiles

Lot-Sample #...: E6C310311-004 **Work Order #...:** H2EG71AC **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	280	ug/kg	110
trans-1,3-Dichloropropene	ND	280	ug/kg	77
Ethylbenzene	ND	280	ug/kg	77
Hexachlorobutadiene	ND	280	ug/kg	77
2-Hexanone	ND	1400	ug/kg	330
Isopropylbenzene	ND	280	ug/kg	130
p-Isopropyltoluene	ND	280	ug/kg	77
Methylene chloride	ND	280	ug/kg	55
4-Methyl-2-pentanone	ND	1400	ug/kg	440
Methyl tert-butyl ether	ND	280	ug/kg	110
Naphthalene	ND	280	ug/kg	110
n-Propylbenzene	ND	280	ug/kg	120
Styrene	ND	550	ug/kg	110
1,1,1,2-Tetrachloroethane	ND	280	ug/kg	55
1,1,2,2-Tetrachloroethane	ND	280	ug/kg	110
Tetrachloroethene	**380**	**280**	**ug/kg**	**89**
Toluene	ND	280	ug/kg	66
1,2,3-Trichlorobenzene	ND	280	ug/kg	77
1,2,4-Trichlorobenzene	ND	280	ug/kg	77
1,1,1-Trichloroethane	ND	280	ug/kg	77
1,1,2-Trichloroethane	ND	280	ug/kg	110
Trichloroethene	ND	280	ug/kg	66
Trichlorofluoromethane	ND	550	ug/kg	77
1,2,3-Trichloropropane	ND	280	ug/kg	120
1,1,2-Trichlorotrifluoroethane	ND	280	ug/kg	110
1,2,4-Trimethylbenzene	ND	280	ug/kg	77
1,3,5-Trimethylbenzene	ND	280	ug/kg	130
Vinyl chloride	ND	550	ug/kg	170
m-Xylene & p-Xylene	ND	280	ug/kg	190
o-Xylene	ND	280	ug/kg	110
Xylenes (total)	ND	280	ug/kg	190

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(55 - 140)
1,2-Dichloroethane-d4	87	(55 - 140)
Toluene-d8	87	(55 - 140)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU004840

Entact Environmental Services, LLC

Client Sample ID: SB128/29.5-30

General Chemistry

Lot-Sample #...: E6C310311-004 Work Order #...: H2EG7 Matrix.....: SO
Date Sampled...: 03/30/06 08:00 Date Received..: 03/31/06 11:30
% Moisture.....: 22

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	22.3	0.10	%	MCAWW 160.3 MOD	04/10-04/11/06	6100257

Dilution Factor: 1 Analysis Time..: 11:50 Analyst ID.....: 0000646
Instrument ID..: W15 MS Run #.....: 6100156 MDL.....:

NGSC-GLU004841

Entact Environmental Services, LLC

Client Sample ID: SB128/39.5-40

GC/MS Volatiles

Lot-Sample #...:	E6C310311-005	**Work Order #...:**	H2EG81AC	**Matrix.....:**	SO
Date Sampled...:	03/30/06 08:30	**Date Received..:**	03/31/06 11:30	**MS Run #.....:**	
Prep Date.....:	03/31/06	**Analysis Date..:**	04/06/06		
Prep Batch #...:	6095423	**Analysis Time..:**	16:59		
Dilution Factor:	0.84				
% Moisture.....:	18	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	10
Benzene	ND	5.1	ug/kg	2.0
Bromobenzene	ND	5.1	ug/kg	2.0
Bromochloromethane	ND	5.1	ug/kg	1.0
Bromoform	ND	5.1	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	5.1	ug/kg	2.0
sec-Butylbenzene	ND	5.1	ug/kg	2.0
tert-Butylbenzene	ND	5.1	ug/kg	2.0
Carbon disulfide	ND	5.1	ug/kg	2.0
Carbon tetrachloride	ND	5.1	ug/kg	1.0
Chlorobenzene	ND	5.1	ug/kg	2.0
Dibromochloromethane	ND	5.1	ug/kg	2.0
Bromodichloromethane	ND	5.1	ug/kg	1.0
Chloroethane	ND	10	ug/kg	2.0
Chloroform	ND	5.1	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.1
2-Chlorotoluene	ND	5.1	ug/kg	2.0
4-Chlorotoluene	ND	5.1	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.1
1,2-Dibromoethane (EDB)	ND	5.1	ug/kg	2.0
Dibromomethane	ND	5.1	ug/kg	1.0
1,2-Dichlorobenzene	ND	5.1	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.1	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.1	ug/kg	2.0
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.1	ug/kg	1.0
1,2-Dichloroethane	ND	5.1	ug/kg	1.0
1,1-Dichloroethene	**16**	**5.1**	**ug/kg**	**2.0**
cis-1,2-Dichloroethene	ND	5.1	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.1	ug/kg	2.0
1,2-Dichloropropane	ND	5.1	ug/kg	1.0
1,3-Dichloropropane	ND	5.1	ug/kg	2.0
2,2-Dichloropropane	ND	5.1	ug/kg	2.0
1,1-Dichloropropene	ND	5.1	ug/kg	1.0

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NGSC-GLU004842

Entact Environmental Services, LLC

Client Sample ID: SB128/39.5-40

GC/MS Volatiles

Lot-Sample #...: E6C310311-005 Work Order #...: H2EG81AC Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.1	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.1	ug/kg	2.0
Ethylbenzene	ND	5.1	ug/kg	2.0
Hexachlorobutadiene	ND	5.1	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Isopropylbenzene	ND	5.1	ug/kg	2.0
p-Isopropyltoluene	ND	5.1	ug/kg	2.0
Methylene chloride	ND	5.1	ug/kg	2.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Methyl tert-butyl ether	ND	5.1	ug/kg	1.0
Naphthalene	ND	5.1	ug/kg	2.0
n-Propylbenzene	ND	5.1	ug/kg	2.0
Styrene	ND	10	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.1	ug/kg	2.0
1,1,2,2-Tetrachloroethane	ND	5.1	ug/kg	2.0
Tetrachloroethene	**76**	**5.1**	**ug/kg**	**2.0**
Toluene	ND	5.1	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.1	ug/kg	2.0
1,2,4-Trichloro-benzene	ND	5.1	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.1	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.1	ug/kg	2.0
Trichloroethene	**43**	**5.1**	**ug/kg**	**2.0**
Trichlorofluoromethane	ND	10	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.1	ug/kg	2.0
1,1,2-Trichlorotrifluoro-ethane	ND	5.1	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.1	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.1	ug/kg	2.0
Vinyl chloride	ND	10	ug/kg	2.0
m-Xylene & p-Xylene	ND	5.1	ug/kg	2.0
o-Xylene	ND	5.1	ug/kg	2.0
Xylenes (total)	ND	5.1	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(60 - 130)
1,2-Dichloroethane-d4	75	(60 - 140)
Toluene-d8	84	(70 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU004843

Entact Environmental Services, LLC

Client Sample ID: SB128/39.5-40

General Chemistry

Lot-Sample #...: E6C310311-005 Work Order #...: H2EG8 Matrix.....: SO
Date Sampled...: 03/30/06 08:30 Date Received..: 03/31/06 11:30
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	17.6	0.10	%	MCAWW 160.3 MOD	04/10-04/11/06	6100257

Dilution Factor: 1 Analysis Time..: 11:50 Analyst ID.....: 0000646
Instrument ID..: W15 MS Run #.....: 6100156 MDL.....:

NGSC-GLU004844

Entact Environmental Services, LLC

Client Sample ID: SB128/49.5-50

GC/MS Volatiles

Lot-Sample #...:	E6C310311-006	**Work Order #...:**	H2EHA1AC	**Matrix.....:**	SO
Date Sampled...:	03/30/06 09:00	**Date Received..:**	03/31/06 11:30	**MS Run #.....:**	
Prep Date.....:	03/31/06	**Analysis Date..:**	04/06/06		
Prep Batch #...:	6095423	**Analysis Time..:**	17:22		
Dilution Factor:	0.86				
% Moisture.....:	22	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	27	ug/kg	11
Benzene	ND	5.5	ug/kg	2.2
Bromobenzene	ND	5.5	ug/kg	2.2
Bromochloromethane	ND	5.5	ug/kg	1.1
Bromoform	ND	5.5	ug/kg	2.2
Bromomethane	ND	11	ug/kg	2.2
2-Butanone	ND	27	ug/kg	16
n-Butylbenzene	ND	5.5	ug/kg	2.2
sec-Butylbenzene	ND	5.5	ug/kg	2.2
tert-Butylbenzene	ND	5.5	ug/kg	2.2
Carbon disulfide	ND	5.5	ug/kg	2.2
Carbon tetrachloride	ND	5.5	ug/kg	1.1
Chlorobenzene	ND	5.5	ug/kg	2.2
Dibromochloromethane	ND	5.5	ug/kg	2.2
Bromodichloromethane	ND	5.5	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.2
Chloroform	ND	5.5	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.3
2-Chlorotoluene	ND	5.5	ug/kg	2.2
4-Chlorotoluene	ND	5.5	ug/kg	2.2
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.3
1,2-Dibromoethane (EDB)	ND	5.5	ug/kg	2.2
Dibromomethane	ND	5.5	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.5	ug/kg	2.2
1,3-Dichlorobenzene	ND	5.5	ug/kg	2.2
1,4-Dichlorobenzene	ND	5.5	ug/kg	2.2
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.5	ug/kg	1.1
1,2-Dichloroethane	ND	5.5	ug/kg	1.1
1,1-Dichloroethene	**17**	**5.5**	**ug/kg**	**2.2**
cis-1,2-Dichloroethene	ND	5.5	ug/kg	2.2
trans-1,2-Dichloroethene	ND	5.5	ug/kg	2.2
1,2-Dichloropropane	ND	5.5	ug/kg	1.1
1,3-Dichloropropane	ND	5.5	ug/kg	2.2
2,2-Dichloropropane	ND	5.5	ug/kg	2.2
1,1-Dichloropropene	ND	5.5	ug/kg	1.1

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NGSC-GLU004845

Entact Environmental Services, LLC

Client Sample ID: SB128/49.5-50

GC/MS Volatiles

Lot-Sample #...: E6C310311-006 **Work Order #...:** H2EHA1AC **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.5	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.5	ug/kg	2.2
Ethylbenzene	ND	5.5	ug/kg	2.2
Hexachlorobutadiene	ND	5.5	ug/kg	2.2
2-Hexanone	ND	27	ug/kg	11
Isopropylbenzene	ND	5.5	ug/kg	2.2
p-Isopropyltoluene	ND	5.5	ug/kg	2.2
Methylene chloride	ND	5.5	ug/kg	2.2
4-Methyl-2-pentanone	ND	27	ug/kg	11
Methyl tert-butyl ether	ND	5.5	ug/kg	1.1
Naphthalene	ND	5.5	ug/kg	2.2
n-Propylbenzene	ND	5.5	ug/kg	2.2
Styrene	ND	11	ug/kg	2.2
1,1,1,2-Tetrachloroethane	ND	5.5	ug/kg	2.2
1,1,2,2-Tetrachloroethane	ND	5.5	ug/kg	2.2
Tetrachloroethene	**26**	**5.5**	**ug/kg**	**2.2**
Toluene	ND	5.5	ug/kg	2.2
1,2,3-Trichlorobenzene	ND	5.5	ug/kg	2.2
1,2,4-Trichlorobenzene	ND	5.5	ug/kg	2.2
1,1,1-Trichloroethane	ND	5.5	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.5	ug/kg	2.2
Trichloroethene	**27**	**5.5**	**ug/kg**	**2.2**
Trichlorofluoromethane	ND	11	ug/kg	2.2
1,2,3-Trichloropropane	ND	5.5	ug/kg	2.2
1,1,2-Trichlorotrifluoroethane	ND	5.5	ug/kg	2.2
1,2,4-Trimethylbenzene	ND	5.5	ug/kg	2.2
1,3,5-Trimethylbenzene	ND	5.5	ug/kg	2.2
Vinyl chloride	ND	11	ug/kg	2.2
m-Xylene & p-Xylene	ND	5.5	ug/kg	2.2
o-Xylene	ND	5.5	ug/kg	2.2
Xylenes (total)	ND	5.5	ug/kg	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	92	(60 - 130)
1,2-Dichloroethane-d4	74	(60 - 140)
Toluene-d8	85	(70 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU004846

Entact Environmental Services, LLC

Client Sample ID: SB128/49.5-50

General Chemistry

Lot-Sample #...: E6C310311-006 Work Order #...: H2EHA Matrix.....: SO
Date Sampled...: 03/30/06 09:00 Date Received..: 03/31/06 11:30
% Moisture.....: 22

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	21.8	0.10	%	MCAWW 160.3 MOD	04/10-04/11/06	6100257

Dilution Factor: 1 Analysis Time..: 11:50 Analyst ID.....: 0000646
Instrument ID..: W15 MS Run #.....: 6100156 MDL.....:

NGSC-GLU004847

STL

QA/QC

NGSC-GLU004848

QC DATA ASSOCIATION SUMMARY

E6C310311

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SO	SW846 8260B		6095423	
	SO	MCAWW 160.3 MOD		6100257	6100156
002	SO	SW846 8260B		6095423	
	SO	MCAWW 160.3 MOD		6100257	6100156
003	SO	SW846 8260B		6095423	
	SO	MCAWW 160.3 MOD		6100257	6100156
004	SO	SW846 8260B		6097349	
	SO	MCAWW 160.3 MOD		6100257	6100156
005	SO	SW846 8260B		6095423	
	SO	MCAWW 160.3 MOD		6100257	6100156
006	SO	SW846 8260B		6095423	
	SO	MCAWW 160.3 MOD		6100257	6100156

NGSC-GLU004849

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6C310311 **Work Order #...:** H2NTJ1AA **Matrix.....:** SOLID
MB Lot-Sample #: E6D050000-423

Prep Date.....: 03/31/06 **Analysis Time..:** 13:05
Analysis Date..: 04/04/06 **Prep Batch #...:** 6095423 **Instrument ID..:** MSP
Dilution Factor: 1

Analyst ID.....: 999998

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	25	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	SW846 8260B
Dibromomethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B

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NGSC-GLU004850

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6C310311 **Work Order #...:** H2NTJ1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
Naphthalene	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	5.0	ug/kg	SW846 8260B
o-Xylene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	89	(60 - 130)
1,2-Dichloroethane-d4	74	(60 - 140)
Toluene-d8	82	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NGSC-GLU004851

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6C310311 **Work Order #...:** H2T301AA **Matrix.....:** SOLID
MB Lot-Sample #: E6D070000-349

Prep Date.....: 03/31/06 **Analysis Time..:** 12:21
Analysis Date..: 04/07/06 **Prep Batch #...:** 6097349 **Instrument ID..:** MSP
Dilution Factor: 1

Analyst ID.....: 999998

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	1200	ug/kg	SW846 8260B
Benzene	ND	250	ug/kg	SW846 8260B
Bromobenzene	ND	250	ug/kg	SW846 8260B
Bromochloromethane	ND	250	ug/kg	SW846 8260B
Bromoform	ND	250	ug/kg	SW846 8260B
Bromomethane	ND	500	ug/kg	SW846 8260B
2-Butanone	ND	1200	ug/kg	SW846 8260B
n-Butylbenzene	ND	250	ug/kg	SW846 8260B
sec-Butylbenzene	ND	250	ug/kg	SW846 8260B
tert-Butylbenzene	ND	250	ug/kg	SW846 8260B
Carbon disulfide	ND	250	ug/kg	SW846 8260B
Carbon tetrachloride	ND	250	ug/kg	SW846 8260B
Chlorobenzene	ND	250	ug/kg	SW846 8260B
Dibromochloromethane	ND	250	ug/kg	SW846 8260B
Bromodichloromethane	ND	250	ug/kg	SW846 8260B
Chloroethane	ND	500	ug/kg	SW846 8260B
Chloroform	ND	250	ug/kg	SW846 8260B
Chloromethane	ND	500	ug/kg	SW846 8260B
2-Chlorotoluene	ND	250	ug/kg	SW846 8260B
4-Chlorotoluene	ND	250	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	500	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	250	ug/kg	SW846 8260B
Dibromomethane	ND	250	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	500	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	250	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	250	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	250	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	250	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	250	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	250	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	250	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	250	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	250	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	250	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	250	ug/kg	SW846 8260B
Ethylbenzene	ND	250	ug/kg	SW846 8260B

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NGSC-GLU004852

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6C310311 **Work Order #...:** H2T301AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	250	ug/kg	SW846 8260B
2-Hexanone	ND	1200	ug/kg	SW846 8260B
Isopropylbenzene	ND	250	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	250	ug/kg	SW846 8260B
Methylene chloride	ND	250	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	1200	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	250	ug/kg	SW846 8260B
Naphthalene	ND	250	ug/kg	SW846 8260B
n-Propylbenzene	ND	250	ug/kg	SW846 8260B
Styrene	ND	500	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	250	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	250	ug/kg	SW846 8260B
Tetrachloroethene	ND	250	ug/kg	SW846 8260B
Toluene	ND	250	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	250	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	250	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	250	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	250	ug/kg	SW846 8260B
Trichloroethene	ND	250	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	500	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	250	ug/kg	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	250	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	250	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	250	ug/kg	SW846 8260B
Vinyl chloride	ND	500	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	250	ug/kg	SW846 8260B
o-Xylene	ND	250	ug/kg	SW846 8260B
Xylenes (total)	ND	250	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	112	(55 - 140)
1,2-Dichloroethane-d4	106	(55 - 140)
Toluene-d8	110	(55 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NGSC-GLU004853

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6C310311 **Work Order #...:** H2NTJ1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: E6D050000-423 H2NTJ1AD-LCSD
Prep Date.....: 03/31/06 **Analysis Date..:** 04/04/06
Prep Batch #...: 6095423 **Analysis Time..:** 11:33
Dilution Factor: 1 **Instrument ID..:** MSP
Analyst ID.....: 999998

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**95**	**(70 - 130)**			**SW846 8260B**
	91	**(70 - 130)**	**5.0**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**100**	**(70 - 130)**			**SW846 8260B**
	97	**(70 - 130)**	**2.7**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethene	**82**	**(65 - 150)**			**SW846 8260B**
	77	**(65 - 150)**	**5.9**	**(0-30)**	**SW846 8260B**
Toluene	**98**	**(70 - 130)**			**SW846 8260B**
	95	**(70 - 130)**	**2.3**	**(0-30)**	**SW846 8260B**
Trichloroethene	**105**	**(70 - 135)**			**SW846 8260B**
	101	**(70 - 135)**	**4.3**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	86	(60 - 130)
	85	(60 - 130)
1,2-Dichloroethane-d4	74	(60 - 140)
	71	(60 - 140)
Toluene-d8	83	(60 - 130)
	83	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU004854

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6C310311
LCS Lot-Sample#: E6D050000-423
Prep Date.....: 03/31/06
Prep Batch #...: 6095423
Dilution Factor: 1
Analyst ID.....: 999998

Work Order #...: H2NTJ1AC-LCS
H2NTJ1AD-LCSD
Analysis Date..: 04/04/06
Analysis Time..: 11:33
Instrument ID..: MSP

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**50.0**	**47.7**	**ug/kg**	**95**		**SW846 8260B**
	50.0	**45.4**	**ug/kg**	**91**	**5.0**	**SW846 8260B**
Chlorobenzene	**50.0**	**50.0**	**ug/kg**	**100**		**SW846 8260B**
	50.0	**48.7**	**ug/kg**	**97**	**2.7**	**SW846 8260B**
1,1-Dichloroethene	**50.0**	**40.8**	**ug/kg**	**82**		**SW846 8260B**
	50.0	**38.5**	**ug/kg**	**77**	**5.9**	**SW846 8260B**
Toluene	**50.0**	**48.8**	**ug/kg**	**98**		**SW846 8260B**
	50.0	**47.7**	**ug/kg**	**95**	**2.3**	**SW846 8260B**
Trichloroethene	**50.0**	**52.7**	**ug/kg**	**105**		**SW846 8260B**
	50.0	**50.5**	**ug/kg**	**101**	**4.3**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	86	(60 - 130)
	85	(60 - 130)
1,2-Dichloroethane-d4	74	(60 - 140)
	71	(60 - 140)
Toluene-d8	83	(60 - 130)
	83	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
Bold print denotes control parameters

NGSC-GLU004855

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6C310311 **Work Order #...:** H2T301AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: E6D070000-349 H2T301AD-LCSD
Prep Date.....: 03/31/06 **Analysis Date..:** 04/07/06
Prep Batch #...: 6097349 **Analysis Time..:** 11:13
Dilution Factor: 1 **Instrument ID..:** MSP
Analyst ID.....: 999998

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**98**	**(60 - 135)**			**SW846 8260B**
	97	**(60 - 135)**	**0.61**	**(0-35)**	**SW846 8260B**
Chlorobenzene	**101**	**(60 - 125)**			**SW846 8260B**
	101	**(60 - 125)**	**0.51**	**(0-35)**	**SW846 8260B**
1,1-Dichloroethene	**108**	**(55 - 130)**			**SW846 8260B**
	121	**(55 - 130)**	**12**	**(0-35)**	**SW846 8260B**
Toluene	**102**	**(60 - 125)**			**SW846 8260B**
	103	**(60 - 125)**	**1.7**	**(0-35)**	**SW846 8260B**
Trichloroethene	**102**	**(60 - 140)**			**SW846 8260B**
	103	**(60 - 140)**	**0.66**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(55 - 140)
	99	(55 - 140)
1,2-Dichloroethane-d4	99	(55 - 140)
	97	(55 - 140)
Toluene-d8	104	(55 - 140)
	103	(55 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
Bold print denotes control parameters

NGSC-GLU004856

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6C310311
LCS Lot-Sample#: E6D070000-349
Prep Date.....: 03/31/06
Prep Batch #...: 6097349
Dilution Factor: 1
Analyst ID.....: 999998

Work Order #...: H2T301AC-LCS
H2T301AD-LCSD
Analysis Date..: 04/07/06
Analysis Time..: 11:13
Instrument ID..: MSP

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	2500	2450	ug/kg	98		SW846 8260B
	2500	2430	ug/kg	97	0.61	SW846 8260B
Chlorobenzene	2500	2520	ug/kg	101		SW846 8260B
	2500	2530	ug/kg	101	0.51	SW846 8260B
1,1-Dichloroethene	2500	2700	ug/kg	108		SW846 8260B
	2500	3040	ug/kg	121	12	SW846 8260B
Toluene	2500	2540	ug/kg	102		SW846 8260B
	2500	2580	ug/kg	103	1.7	SW846 8260B
Trichloroethene	2500	2560	ug/kg	102		SW846 8260B
	2500	2580	ug/kg	103	0.66	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(55 - 140)
	99	(55 - 140)
1,2-Dichloroethane-d4	99	(55 - 140)
	97	(55 - 140)
Toluene-d8	104	(55 - 140)
	103	(55 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
Bold print denotes control parameters

NGSC-GLU004857

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: E6C310311 **Work Order #...:** H0810-SMP H0810-DUP **Matrix.....:** SOLID

Date Sampled...: 03/14/06 09:05 **Date Received..:** 03/14/06 18:24

% Moisture.....: 14

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	E6C140342-001	
	14.4	14.1	%	2.1	(0-10)	MCAWW 160.3 MOD	04/10-04/11/06	6100257

Dilution Factor: 1 Analysis Time..: 11:50 Analyst ID.....: 000064

Instrument ID..: W15 MS Run Number..: 6100156

NGSC-GLU004858

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

April 5, 2006

STL LOT NUMBER: E6C310303
NELAP Certification Number: 01118CA/E87652

Jennifer Alexander
Entact Environmental Services,
3129 Bass Pro Drive
Grapevine, TX 76051

Dear Ms. Alexander,

This report contains the analytical results for the three samples received under chain of custody by STL Los Angeles on March 31, 2006. These samples are associated with your Johnson Controls, Fullerton CA project.

All applicable quality control procedures met method-specified acceptance criteria. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. See Project Receipt Checklist for container temperature and conditions. Temperature reading between 2 to 6 degrees Celsius is considered within acceptable criteria. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. The case narrative is an integral part of the report. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at (714) 258-8610 extension 325.

Sincerely,

Diane Suzuki
Project Manager

CC: Project File

000026

Page 1 of _____ total pages in this report.

E6C310303

CHAIN OF CUSTODY RECORD

E6C310303

SAMPLE TYPE:
- ☐ Treated Stockpile
- ☐ Untreated Stockpile
- ☐ Excavation Verification
- ☐ Air _____
- ☐ Groundwater
- ☒ Other SOIL

ENTACT

☐ **CHICAGO OFFICE**
1010 EXECUTIVE COURT
SUITE 280
WESTMONT, IL 60559
630.986.2900
630.986.0653 f

☑ **DALLAS OFFICE**
4040 WEST ROYAL LANE
SUITE 136
IRVING, TX 75063
972.580.1323
972.550.7464 f

"Safety keeps you ENTACT"

PROJECT INFORMATION

NAME ENTACT - JCI FULLERTON	JOB NUMBER C1613
LOCATION FULLERTON, CA	PHONE 972.580.1323
CONTACT JENNIFER ALEXANDER	EMAIL

REQUIRED TURNAROUND
- ☐ Standard
- ☐ 5 Day
- ☑ 3 Day
- ☐ 48 Hour
- ☐ 24 Hour

DETECTION LIMIT CRITERIA

SAMPLE NUMBER	SAMPLE DESCRIPTION	DATE	TIME	TYPE: MATRIX	TYPE: GRAB	TYPE: COMPOSITE	PRESERVATIVE: HCL	PRESERVATIVE: HNO3	PRESERVATIVE: ENCORE	PRESERVATIVE: NONE	PRESERVATIVE: ICE	AIR: FLOW RATE	AIR: RUNTIME (HR)	AIR: VOLUME	NUMBER OF CONTAINERS SUPPLIED FOR EACH SAMPLE	ANALYSES / METHOD: VOC 8260B	ANALYSES / METHOD: MOISTURE %	FILTERED Y / N FIELD / LAB ___ MICRON FILTER	COMMENTS
	SB128/59.5-60	3-30-06	13:00	S	✓				✓		✓				3	✓	✓		
	SB128/69.5-70	↓	13:15	S	✓				✓		✓				4	✓	✓		
	SB128/79.5-80	↓	13:45	S	✓				✓		✓				4	✓	✓		

SHIPPING METHOD:		AIRBILL NO:		SAMPLER:		LAB NAME:
RELINQUISHED BY:	DATE	RELINQUISHED BY:	DATE	RELINQUISHED BY:	DATE	LAB JOB ID:
SIGNATURE: Greg Rainwater	3.31.06	SIGNATURE: Vince Padilla	3/31/06	SIGNATURE: [signature]		
PRINTED NAME: GREG RAINWATER	TIME 6:00	PRINTED NAME: Vince Padilla	TIME 1145	PRINTED NAME:	TIME	
RECEIVED BY:	DATE	RECEIVED BY:	DATE	RECEIVED BY:	DATE	TEMPERATURE UPON RECEIPT:
SIGNATURE: Vince Padilla	3/31/06	SIGNATURE: [signature]	3/31/06	SIGNATURE:		
PRINTED NAME: Vince Padilla	TIME 1130	PRINTED NAME: Steve Gonzales	TIME 1130	PRINTED NAME:	TIME	

MEDIA: S - Soil W - Water A - Air DISTRIBUTION: White Copy - To Customer w/Report Pink Copy - To Job File Yellow Copy - To Lab

2

NGSC-GLU004860

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST

Date: 3/31/06

Multiple Coolers Only

Page 1 of 2

LIMS Lot #: E6C310303

Quote #: ~~68557~~ 68553 3-31-06

Client Name: Entact

Project: JCI Fullerton

Received by: SG

Date/Time Received: 3/31/06 1130

Delivered by : ☐ Client ☒ STL ☐ DHL ☐ Fed Ex ☐ UPS ☐ Other

****

	Initial / Date
Custody Seal Status Cooler: ☐Intact ☐Broken ____/____/____/____/____/____ ☒None	SG 3/31/06
Custody Seal Status Samples: ☐Intact ☐Broken ☒None	
Custody Seal #(s): ____/____/____/____/____/____ ☒No Seal #	
Sampler Signature on COC ☐ Yes ☐No ☒N/A	
IR Gun # __A_ Correction Factor _-.5__°C IR passed daily verification ☒Yes ☐No	
Temperature - BLANK 2.5 °C - .5 CF = 2.0 °C ...Cooler #1 ID N/A	
Temperature – COOLER (____°C ____°C ____°C ____°C) = ____ avg °C +/- ____ CF = ____ °C	
Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒N/A	
Temperature - BLANK 4.5 °C - .5 CF = 4.0 °C ...Cooler #2 ID N/A	
Temperature – COOLER (____°C ____°C ____°C ____°C) = ____ avg °C +/- ____ CF = ____ °C	
Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒N/A	
~~Temperature - BLANK ____°C - .5 CF = ____ °C ...Cooler #3 ID~~	
~~Temperature – COOLER (____°C ____°C ____°C ____°C) = ____ avg °C +/- ____ CF = ____ °C~~	
~~Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☐N/A~~	
Sample Container(s): ☒STL-LA ☐ Client	
pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒N/A	
Anomalies: ☒No ☐Yes – complete CUR and Create NCM	
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒Yes ☐No	
Labeled by: SG	

****

Turn Around Time: ☐RUSH–24HR ☐RUSH–48HR ☒RUSH–72HR ☐NORMAL SG 3/31/06

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐YES ☒N/A SG 3/31/06

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

NGSC-GLU004861

LIMS Lot # E6C310000

PROJECT RECEIPT CHECKLIST Cont'd

Page ___ of ___

Sample	1	2-3											
Container Type	Fraction -Cooler												
VOAH	-	-	-	-	-	-	-	-	-	-	-	-	-
5gE	2-1	2-1	-	-	-	-	-	-	-	-	-	-	-
2oz(g)	1-2	1-2	-	-	-	-	-	-	-	-	-	-	-
25gE	-	1-1	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-

3/31/09

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore
AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☐Yes ☒N/A 3/31/09

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **CUSTODY SEALS (COOLER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CONTAINER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☐ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other ☐ COC not received – notify PM
- **CONTAINERS**
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **LABELS**
  - ☐ Not the same ID/Info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
  - ☐ Will be noted on COC--Client to send samples with new COC
  - ☐ Mislabeled as to tests, preservatives, etc.
  - ☐ Holding time expired – list sample ID and test
  - ☐ Improper container used
  - ☐ Not preserved/Improper preservative used
  - ☐ Improper pH _____ Lab to preserve sample and document
  - ☐ Insufficient quantities for analysis ☐ Other

Comments:

☐ Corrective Action Implemented:

☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____

☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: Logged in by other STL ☐ ___ Albert Vargas 3-31-06

PM Review/Date: 3/31/09

NGSC-GLU004862

SEVERN TRENT STL

Analytical Report

E6C310303

NGSC-GLU004863

EXECUTIVE SUMMARY - Detection Highlights

E6C310303

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SB128/59.5-60 03/30/06 13:00 001				
1,1-Dichloroethene	47	5.3	ug/kg	SW846 8260B
Tetrachloroethene	52	5.3	ug/kg	SW846 8260B
Trichloroethene	120	5.3	ug/kg	SW846 8260B
Percent Moisture	20.3	0.10	%	MCAWW 160.3 MOD
SB128/69.5-70 03/30/06 13:15 002				
1,1-Dichloroethene	35	5.3	ug/kg	SW846 8260B
Tetrachloroethene	13	5.3	ug/kg	SW846 8260B
Trichloroethene	78	5.3	ug/kg	SW846 8260B
Percent Moisture	14.3	0.10	%	MCAWW 160.3 MOD
SB128/79.5-80 03/30/06 13:45 003				
Tetrachloroethene	2.7 J	4.8	ug/kg	SW846 8260B
Trichloroethene	4.2 J	4.8	ug/kg	SW846 8260B
Percent Moisture	4.0	0.10	%	MCAWW 160.3 MOD

NGSC-GLU004864

METHODS SUMMARY

E6C310303

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5035

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

NGSC-GLU004865

SAMPLE SUMMARY

E6C310303

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H2EE3	001	SB128/59.5-60	03/30/06	13:00
H2EFH	002	SB128/69.5-70	03/30/06	13:15
H2EFL	003	SB128/79.5-80	03/30/06	13:45

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

NGSC-GLU004866

Entact Environmental Services, LLC

Client Sample ID: SB128/59.5-60

GC/MS Volatiles

Lot-Sample #...:	E6C310303-001	Work Order #...:	H2EE31AA	Matrix.....:	SO
Date Sampled...:	03/30/06 13:00	Date Received..:	03/31/06 11:30	MS Run #.....:	6095107
Prep Date.....:	03/31/06	Analysis Date..:	03/31/06		
Prep Batch #...:	6095186	Analysis Time..:	18:14		
Dilution Factor:	0.85				
% Moisture.....:	20	Analyst ID.....:	999998	Instrument ID..:	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	27	ug/kg	11
Benzene	ND	5.3	ug/kg	2.1
Bromobenzene	ND	5.3	ug/kg	2.1
Bromochloromethane	ND	5.3	ug/kg	1.1
Bromoform	ND	5.3	ug/kg	2.1
Bromomethane	ND	11	ug/kg	2.1
2-Butanone	ND	27	ug/kg	16
n-Butylbenzene	ND	5.3	ug/kg	2.1
sec-Butylbenzene	ND	5.3	ug/kg	2.1
tert-Butylbenzene	ND	5.3	ug/kg	2.1
Carbon disulfide	ND	5.3	ug/kg	2.1
Carbon tetrachloride	ND	5.3	ug/kg	1.1
Chlorobenzene	ND	5.3	ug/kg	2.1
Dibromochloromethane	ND	5.3	ug/kg	2.1
Bromodichloromethane	ND	5.3	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.1
Chloroform	ND	5.3	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.2
2-Chlorotoluene	ND	5.3	ug/kg	2.1
4-Chlorotoluene	ND	5.3	ug/kg	2.1
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.2
1,2-Dibromoethane (EDB)	ND	5.3	ug/kg	2.1
Dibromomethane	ND	5.3	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,3-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,4-Dichlorobenzene	ND	5.3	ug/kg	2.1
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.3	ug/kg	1.1
1,2-Dichloroethane	ND	5.3	ug/kg	1.1
1,1-Dichloroethene	**47**	**5.3**	**ug/kg**	**2.1**
cis-1,2-Dichloroethene	ND	5.3	ug/kg	2.1
trans-1,2-Dichloroethene	ND	5.3	ug/kg	2.1
1,2-Dichloropropane	ND	5.3	ug/kg	1.1
1,3-Dichloropropane	ND	5.3	ug/kg	2.1
2,2-Dichloropropane	ND	5.3	ug/kg	2.1
1,1-Dichloropropene	ND	5.3	ug/kg	1.1

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NGSC-GLU004867

Entact Environmental Services, LLC

Client Sample ID: SB128/59.5-60

GC/MS Volatiles

Lot-Sample #...: E6C310303-001 **Work Order #...:** H2EE31AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.3	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.3	ug/kg	2.1
Ethylbenzene	ND	5.3	ug/kg	2.1
Hexachlorobutadiene	ND	5.3	ug/kg	2.1
2-Hexanone	ND	27	ug/kg	11
Isopropylbenzene	ND	5.3	ug/kg	2.1
p-Isopropyltoluene	ND	5.3	ug/kg	2.1
Methylene chloride	ND	5.3	ug/kg	2.1
4-Methyl-2-pentanone	ND	27	ug/kg	11
Methyl tert-butyl ether	ND	5.3	ug/kg	1.1
Naphthalene	ND	5.3	ug/kg	2.1
n-Propylbenzene	ND	5.3	ug/kg	2.1
Styrene	ND	11	ug/kg	2.1
1,1,1,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
1,1,2,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
Tetrachloroethene	**52**	**5.3**	**ug/kg**	**2.1**
Toluene	ND	5.3	ug/kg	2.1
1,2,3-Trichlorobenzene	ND	5.3	ug/kg	2.1
1,2,4-Trichloro-benzene	ND	5.3	ug/kg	2.1
1,1,1-Trichloroethane	ND	5.3	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.3	ug/kg	2.1
Trichloroethene	**120**	**5.3**	**ug/kg**	**2.1**
Trichlorofluoromethane	ND	11	ug/kg	2.1
1,2,3-Trichloropropane	ND	5.3	ug/kg	2.1
1,1,2-Trichlorotrifluoro-ethane	ND	5.3	ug/kg	2.1
1,2,4-Trimethylbenzene	ND	5.3	ug/kg	2.1
1,3,5-Trimethylbenzene	ND	5.3	ug/kg	2.1
Vinyl chloride	ND	11	ug/kg	2.1
m-Xylene & p-Xylene	ND	5.3	ug/kg	2.1
o-Xylene	ND	5.3	ug/kg	2.1
Xylenes (total)	ND	5.3	ug/kg	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(60 - 130)
1,2-Dichloroethane-d4	77	(60 - 140)
Toluene-d8	84	(70 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU004868

Entact Environmental Services, LLC

Client Sample ID: SB128/59.5-60

General Chemistry

Lot-Sample #...: E6C310303-001 **Work Order #...:** H2EE3 **Matrix.....:** SO
Date Sampled...: 03/30/06 13:00 **Date Received..:** 03/31/06 11:30
% Moisture.....: 20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**20.3**	**0.10**	**%**	**MCAWW 160.3 MOD**	**04/03-04/04/06**	**6093336**
		Dilution Factor: 1		Analysis Time..: 11:35	Analyst ID.....: 000064	
		Instrument ID..: W15		MS Run #.....: 6093214	MDL.....:	

NGSC-GLU004869

Entact Environmental Services, LLC

Client Sample ID: SB128/69.5-70

GC/MS Volatiles

Lot-Sample #...:	E6C310303-002	**Work Order #...:**	H2EFH1AA	**Matrix.....:**	SO
Date Sampled...:	03/30/06 13:15	**Date Received..:**	03/31/06 11:30	**MS Run #.....:**	6095107
Prep Date.....:	03/31/06	**Analysis Date..:**	03/31/06		
Prep Batch #...:	6095186	**Analysis Time..:**	18:37		
Dilution Factor:	0.9				
% Moisture.....:	14	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	26	ug/kg	11
Benzene	ND	5.3	ug/kg	2.1
Bromobenzene	ND	5.3	ug/kg	2.1
Bromochloromethane	ND	5.3	ug/kg	1.1
Bromoform	ND	5.3	ug/kg	2.1
Bromomethane	ND	11	ug/kg	2.1
2-Butanone	ND	26	ug/kg	16
n-Butylbenzene	ND	5.3	ug/kg	2.1
sec-Butylbenzene	ND	5.3	ug/kg	2.1
tert-Butylbenzene	ND	5.3	ug/kg	2.1
Carbon disulfide	ND	5.3	ug/kg	2.1
Carbon tetrachloride	ND	5.3	ug/kg	1.1
Chlorobenzene	ND	5.3	ug/kg	2.1
Dibromochloromethane	ND	5.3	ug/kg	2.1
Bromodichloromethane	ND	5.3	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.1
Chloroform	ND	5.3	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.2
2-Chlorotoluene	ND	5.3	ug/kg	2.1
4-Chlorotoluene	ND	5.3	ug/kg	2.1
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.2
1,2-Dibromoethane (EDB)	ND	5.3	ug/kg	2.1
Dibromomethane	ND	5.3	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,3-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,4-Dichlorobenzene	ND	5.3	ug/kg	2.1
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.3	ug/kg	1.1
1,2-Dichloroethane	ND	5.3	ug/kg	1.1
1,1-Dichloroethene	**35**	**5.3**	**ug/kg**	**2.1**
cis-1,2-Dichloroethene	ND	5.3	ug/kg	2.1
trans-1,2-Dichloroethene	ND	5.3	ug/kg	2.1
1,2-Dichloropropane	ND	5.3	ug/kg	1.1
1,3-Dichloropropane	ND	5.3	ug/kg	2.1
2,2-Dichloropropane	ND	5.3	ug/kg	2.1
1,1-Dichloropropene	ND	5.3	ug/kg	1.1

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NGSC-GLU004870

Entact Environmental Services, LLC

Client Sample ID: SB128/69.5-70

GC/MS Volatiles

Lot-Sample #...: E6C310303-002 Work Order #...: H2EFH1AA Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.3	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.3	ug/kg	2.1
Ethylbenzene	ND	5.3	ug/kg	2.1
Hexachlorobutadiene	ND	5.3	ug/kg	2.1
2-Hexanone	ND	26	ug/kg	11
Isopropylbenzene	ND	5.3	ug/kg	2.1
p-Isopropyltoluene	ND	5.3	ug/kg	2.1
Methylene chloride	ND	5.3	ug/kg	2.1
4-Methyl-2-pentanone	ND	26	ug/kg	11
Methyl tert-butyl ether	ND	5.3	ug/kg	1.1
Naphthalene	ND	5.3	ug/kg	2.1
n-Propylbenzene	ND	5.3	ug/kg	2.1
Styrene	ND	11	ug/kg	2.1
1,1,1,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
1,1,2,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
Tetrachloroethene	**13**	**5.3**	**ug/kg**	**2.1**
Toluene	ND	5.3	ug/kg	2.1
1,2,3-Trichlorobenzene	ND	5.3	ug/kg	2.1
1,2,4-Trichlorobenzene	ND	5.3	ug/kg	2.1
1,1,1-Trichloroethane	ND	5.3	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.3	ug/kg	2.1
Trichloroethene	**78**	**5.3**	**ug/kg**	**2.1**
Trichlorofluoromethane	ND	11	ug/kg	2.1
1,2,3-Trichloropropane	ND	5.3	ug/kg	2.1
1,1,2-Trichlorotrifluoroethane	ND	5.3	ug/kg	2.1
1,2,4-Trimethylbenzene	ND	5.3	ug/kg	2.1
1,3,5-Trimethylbenzene	ND	5.3	ug/kg	2.1
Vinyl chloride	ND	11	ug/kg	2.1
m-Xylene & p-Xylene	ND	5.3	ug/kg	2.1
o-Xylene	ND	5.3	ug/kg	2.1
Xylenes (total)	ND	5.3	ug/kg	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	92	(60 - 130)
1,2-Dichloroethane-d4	77	(60 - 140)
Toluene-d8	83	(70 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU004871

Entact Environmental Services, LLC

Client Sample ID: SB128/69.5-70

General Chemistry

Lot-Sample #...: E6C310303-002 **Work Order #...:** H2EFH **Matrix.....:** SO
Date Sampled...: 03/30/06 13:15 **Date Received..:** 03/31/06 11:30
% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**14.3**	**0.10**	**%**	**MCAWW 160.3 MOD**	**04/03-04/04/06**	**6093336**

Dilution Factor: 1 Analysis Time..: 11:35 Analyst ID.....: 0000644
Instrument ID..: W15 MS Run #.....: 6093214 MDL.....:

NGSC-GLU004872

Entact Environmental Services, LLC

Client Sample ID: SB128/79.5-80

GC/MS Volatiles

Lot-Sample #...:	E6C310303-003	**Work Order #...:**	H2EFL1AA	**Matrix.....:**	SO
Date Sampled...:	03/30/06 13:45	**Date Received..:**	03/31/06 11:30	**MS Run #.....:**	6095107
Prep Date.....:	03/31/06	**Analysis Date..:**	03/31/06		
Prep Batch #...:	6095186	**Analysis Time..:**	18:59		
Dilution Factor:	0.93				
% Moisture.....:	4.0	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	24	ug/kg	9.7
Benzene	ND	4.8	ug/kg	1.9
Bromobenzene	ND	4.8	ug/kg	1.9
Bromochloromethane	ND	4.8	ug/kg	0.97
Bromoform	ND	4.8	ug/kg	1.9
Bromomethane	ND	9.7	ug/kg	1.9
2-Butanone	ND	24	ug/kg	15
n-Butylbenzene	ND	4.8	ug/kg	1.9
sec-Butylbenzene	ND	4.8	ug/kg	1.9
tert-Butylbenzene	ND	4.8	ug/kg	1.9
Carbon disulfide	ND	4.8	ug/kg	1.9
Carbon tetrachloride	ND	4.8	ug/kg	0.97
Chlorobenzene	ND	4.8	ug/kg	1.9
Dibromochloromethane	ND	4.8	ug/kg	1.9
Bromodichloromethane	ND	4.8	ug/kg	0.97
Chloroethane	ND	9.7	ug/kg	1.9
Chloroform	ND	4.8	ug/kg	0.97
Chloromethane	ND	9.7	ug/kg	2.9
2-Chlorotoluene	ND	4.8	ug/kg	1.9
4-Chlorotoluene	ND	4.8	ug/kg	1.9
1,2-Dibromo-3-chloro-propane	ND	9.7	ug/kg	2.9
1,2-Dibromoethane (EDB)	ND	4.8	ug/kg	1.9
Dibromomethane	ND	4.8	ug/kg	0.97
1,2-Dichlorobenzene	ND	4.8	ug/kg	1.9
1,3-Dichlorobenzene	ND	4.8	ug/kg	1.9
1,4-Dichlorobenzene	ND	4.8	ug/kg	1.9
Dichlorodifluoromethane	ND	9.7	ug/kg	0.97
1,1-Dichloroethane	ND	4.8	ug/kg	0.97
1,2-Dichloroethane	ND	4.8	ug/kg	0.97
1,1-Dichloroethene	ND	4.8	ug/kg	1.9
cis-1,2-Dichloroethene	ND	4.8	ug/kg	1.9
trans-1,2-Dichloroethene	ND	4.8	ug/kg	1.9
1,2-Dichloropropane	ND	4.8	ug/kg	0.97
1,3-Dichloropropane	ND	4.8	ug/kg	1.9
2,2-Dichloropropane	ND	4.8	ug/kg	1.9
1,1-Dichloropropene	ND	4.8	ug/kg	0.97

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NGSC-GLU004873

Entact Environmental Services, LLC

Client Sample ID: SB128/79.5-80

GC/MS Volatiles

Lot-Sample #...: E6C310303-003 Work Order #...: H2EFL1AA Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	4.8	ug/kg	0.97
trans-1,3-Dichloropropene	ND	4.8	ug/kg	1.9
Ethylbenzene	ND	4.8	ug/kg	1.9
Hexachlorobutadiene	ND	4.8	ug/kg	1.9
2-Hexanone	ND	24	ug/kg	9.7
Isopropylbenzene	ND	4.8	ug/kg	1.9
p-Isopropyltoluene	ND	4.8	ug/kg	1.9
Methylene chloride	ND	4.8	ug/kg	1.9
4-Methyl-2-pentanone	ND	24	ug/kg	9.7
Methyl tert-butyl ether	ND	4.8	ug/kg	0.97
Naphthalene	ND	4.8	ug/kg	1.9
n-Propylbenzene	ND	4.8	ug/kg	1.9
Styrene	ND	9.7	ug/kg	1.9
1,1,1,2-Tetrachloroethane	ND	4.8	ug/kg	1.9
1,1,2,2-Tetrachloroethane	ND	4.8	ug/kg	1.9
Tetrachloroethene	**2.7 J**	**4.8**	**ug/kg**	**1.9**
Toluene	ND	4.8	ug/kg	1.9
1,2,3-Trichlorobenzene	ND	4.8	ug/kg	1.9
1,2,4-Trichloro-benzene	ND	4.8	ug/kg	1.9
1,1,1-Trichloroethane	ND	4.8	ug/kg	0.97
1,1,2-Trichloroethane	ND	4.8	ug/kg	1.9
Trichloroethene	**4.2 J**	**4.8**	**ug/kg**	**1.9**
Trichlorofluoromethane	ND	9.7	ug/kg	1.9
1,2,3-Trichloropropane	ND	4.8	ug/kg	1.9
1,1,2-Trichlorotrifluoro-ethane	ND	4.8	ug/kg	1.9
1,2,4-Trimethylbenzene	ND	4.8	ug/kg	1.9
1,3,5-Trimethylbenzene	ND	4.8	ug/kg	1.9
Vinyl chloride	ND	9.7	ug/kg	1.9
m-Xylene & p-Xylene	ND	4.8	ug/kg	1.9
o-Xylene	ND	4.8	ug/kg	1.9
Xylenes (total)	ND	4.8	ug/kg	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(60 - 130)
1,2-Dichloroethane-d4	76	(60 - 140)
Toluene-d8	84	(70 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU004874

Entact Environmental Services, LLC

Client Sample ID: SB128/79.5-80

General Chemistry

Lot-Sample #...: E6C310303-003 Work Order #...: H2EFL Matrix.....: SO
Date Sampled...: 03/30/06 13:45 Date Received..: 03/31/06 11:30
% Moisture.....: 4.0

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	4.0	0.10	%	MCAWW 160.3 MOD	04/03-04/04/06	6093336
		Dilution Factor: 1		Analysis Time..: 11:35	Analyst ID.....: 0000644	
		Instrument ID..: W15		MS Run #.....: 6093214	MDL.....:	

NGSC-GLU004875

SEVERN TRENT STL

QA/QC

NGSC-GLU004876

QC DATA ASSOCIATION SUMMARY

E6C310303

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SO	SW846 8260B		6095186	6095107
	SO	MCAWW 160.3 MOD		6093336	6093214
002	SO	SW846 8260B		6095186	6095107
	SO	MCAWW 160.3 MOD		6093336	6093214
003	SO	SW846 8260B		6095186	6095107
	SO	MCAWW 160.3 MOD		6093336	6093214

NGSC-GLU004877

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6C310303 **Work Order #...:** H2L9M1AA **Matrix.....:** SOLID
MB Lot-Sample #: E6D050000-186

Prep Date.....: 03/31/06 **Analysis Time..:** 11:44
Analysis Date..: 03/31/06 **Prep Batch #...:** 6095186 **Instrument ID..:** MSP
Dilution Factor: 1

Analyst ID.....: 999998

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	25	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	SW846 8260B
Dibromomethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B

(Continued on next page)

NGSC-GLU004878

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6C310303 **Work Order #...:** H2L9M1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
Naphthalene	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	5.0	ug/kg	SW846 8260B
o-Xylene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(60 - 130)
1,2-Dichloroethane-d4	76	(60 - 140)
Toluene-d8	85	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NGSC-GLU004879

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6C310303 **Work Order #...:** H2L9M1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E6D050000-186
Prep Date.....: 03/31/06 **Analysis Date..:** 03/31/06
Prep Batch #...: 6095186 **Analysis Time..:** 10:59
Dilution Factor: 1 **Instrument ID..:** MSP
Analyst ID.....: 999998

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**95**	**(70 - 130)**	**SW846 8260B**
Chlorobenzene	**100**	**(70 - 130)**	**SW846 8260B**
1,1-Dichloroethene	**102**	**(65 - 150)**	**SW846 8260B**
Toluene	**98**	**(70 - 130)**	**SW846 8260B**
Trichloroethene	**102**	**(70 - 135)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	84	(60 - 130)
1,2-Dichloroethane-d4	73	(60 - 140)
Toluene-d8	81	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU004880

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6C310303 **Work Order #...:** H2L9M1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E6D050000-186
Prep Date.....: 03/31/06 **Analysis Date..:** 03/31/06
Prep Batch #...: 6095186 **Analysis Time..:** 10:59
Dilution Factor: 1 **Instrument ID..:** MSP
Analyst ID.....: 999998

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**50.0**	**47.6**	**ug/kg**	**95**	**SW846 8260B**
Chlorobenzene	**50.0**	**49.9**	**ug/kg**	**100**	**SW846 8260B**
1,1-Dichloroethene	**50.0**	**51.1**	**ug/kg**	**102**	**SW846 8260B**
Toluene	**50.0**	**48.8**	**ug/kg**	**98**	**SW846 8260B**
Trichloroethene	**50.0**	**51.0**	**ug/kg**	**102**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	84	(60 - 130)
1,2-Dichloroethane-d4	73	(60 - 140)
Toluene-d8	81	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU004881

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E6C310303	**Work Order #...:**	H2CJ11A4-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E6C300396-009		H2CJ11A5-MSD		
Date Sampled...:	03/30/06 15:22	**Date Received..:**	03/30/06 18:00	**MS Run #.....:**	6095107
Prep Date.....:	03/31/06	**Analysis Date..:**	03/31/06		
Prep Batch #...:	6095186	**Analysis Time..:**	15:38		
Dilution Factor:	0.96	**% Moisture.....:**	0.0	**Analyst ID.....:**	999998
Instrument ID..:	MSP				

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**101**	**(70 - 130)**			**SW846 8260B**
	100	**(70 - 130)**	**4.1**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**104**	**(70 - 130)**			**SW846 8260B**
	101	**(70 - 130)**	**5.3**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethene	**112**	**(65 - 150)**			**SW846 8260B**
	113	**(65 - 150)**	**2.6**	**(0-30)**	**SW846 8260B**
Toluene	**104**	**(70 - 130)**			**SW846 8260B**
	102	**(70 - 130)**	**4.5**	**(0-30)**	**SW846 8260B**
Trichloroethene	**109**	**(70 - 135)**			**SW846 8260B**
	106	**(70 - 135)**	**6.1**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	88	(60 - 130)
	87	(60 - 130)
1,2-Dichloroethane-d4	75	(60 - 140)
	72	(60 - 140)
Toluene-d8	87	(70 - 130)
	87	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU004882

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E6C310303	**Work Order #...:**	H2CJ11A4-MS H2CJ11A5-MSD	**Matrix.....:**	SOLID
MS Lot-Sample #:	E6C300396-009				
Date Sampled...:	03/30/06 15:22	**Date Received..:**	03/30/06 18:00	**MS Run #.....:**	6095107
Prep Date.....:	03/31/06	**Analysis Date..:**	03/31/06		
Prep Batch #...:	6095186	**Analysis Time..:**	15:38		
Dilution Factor:	0.96	**% Moisture.....:**	0.0	**Analyst ID.....:**	999998
Instrument ID..:	MSP				

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**48.2**	**48.9**	**ug/kg**	**101**		**SW846 8260B**
	ND	**46.8**	**46.9**	**ug/kg**	**100**	**4.1**	**SW846 8260B**
Chlorobenzene	**ND**	**48.2**	**49.9**	**ug/kg**	**104**		**SW846 8260B**
	ND	**46.8**	**47.3**	**ug/kg**	**101**	**5.3**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**48.2**	**54.2**	**ug/kg**	**112**		**SW846 8260B**
	ND	**46.8**	**52.8**	**ug/kg**	**113**	**2.6**	**SW846 8260B**
Toluene	**ND**	**48.2**	**50.1**	**ug/kg**	**104**		**SW846 8260B**
	ND	**46.8**	**47.9**	**ug/kg**	**102**	**4.5**	**SW846 8260B**
Trichloroethene	**ND**	**48.2**	**52.7**	**ug/kg**	**109**		**SW846 8260B**
	ND	**46.8**	**49.6**	**ug/kg**	**106**	**6.1**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	88	(60 - 130)
	87	(60 - 130)
1,2-Dichloroethane-d4	75	(60 - 140)
	72	(60 - 140)
Toluene-d8	87	(70 - 130)
	87	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU004883

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: E6C310303 **Work Order #...:** H2EAH-SMP H2EAH-DUP **Matrix.....:** SOLID

Date Sampled...: 03/30/06 10:00 **Date Received..:** 03/31/06 11:30

% Moisture.....: 22

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	E6C310281-001	
	22.0	21.5	%	2.3	(0-10)	MCAWW 160.3 MOD	04/03-04/04/06	6093336

Dilution Factor: 1 Analysis Time..: 11:35 Analyst ID.....: 000064

Instrument ID..: W15 MS Run Number..: 6093214

NGSC-GLU004884

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

April 5, 2006

STL LOT NUMBER: E6C310281
NELAP Certification Number: 01118CA/E87652

Jennifer Alexander
Entact Environmental Services,
3129 Bass Pro Drive
Grapevine, TX 76051

Dear Ms. Alexander,

This report contains the analytical results for the three samples received under chain of custody by STL Los Angeles on March 31, 2006. These samples are associated with your Johnson Controls, Fullerton CA project.

All applicable quality control procedures met method-specified acceptance criteria except as noted on the following page. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. See Project Receipt Checklist for container temperature and conditions. Temperature reading between 2 to 6 degrees Celsius is considered within acceptable criteria. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. The case narrative is an integral part of the report. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at (714) 258-8610 extension 325.

Sincerely,

Diane Suzuki
Project Manager

CC: Project File

000031

Page 1 of _____ total pages in this report.

LOT NUMBER E6C310281

Nonconformance 05-16121

Affected Samples:
E6C310281 (1): SB129/4.5-5
E6C310281 (2): SB129/9.5-10

Affected Methods:
8260B/5035

Case Narrative:
There was insufficient sample volume provided to prepare a project-specific MS/MSD. A duplicate LCS has been prepared to provide accuracy and precision measurement for the samples in this project.

NGSC-GLU004886

E6C310281

CHAIN OF CUSTODY RECORD

E6C310281

SAMPLE TYPE:
- ☐ Treated Stockpile
- ☐ Untreated Stockpile
- ☐ Excavation Verification
- ☐ Air
- ☐ Groundwater
- X Other SOIL

ENTACT

☐ **CHICAGO OFFICE**
1010 EXECUTIVE COURT
SUITE 280
WESTMONT, IL 60559
630.986.2900
630.986.0653 f

☑ **DALLAS OFFICE**
4040 WEST ROYAL LANE
SUITE 136
IRVING, TX 75063
972.580.1323
972.580.7464 f

"Safety keeps you ENTACT"

PROJECT INFORMATION

NAME ENTACT - JCI FULLERTON
JOB NUMBER C1613
LOCATION FULLERTON, CA
PHONE 972.580.1323
CONTACT JENNIFER ALEXANDER
EMAIL

REQUIRED TURNAROUND
- ☐ Standard
- ☐ 5 Day
- X 3 Day
- ☐ 48 Hour
- ☐ 24 Hour

DETECTION LIMIT CRITERIA

SAMPLE NUMBER	SAMPLE DESCRIPTION	DATE	TIME	TYPE: MATRIX	TYPE: GRAB	TYPE: COMPOSITE	PRESERVATIVE: HCL	PRESERVATIVE: HNO3	PRESERVATIVE: ENCORE	PRESERVATIVE: NONE	PRESERVATIVE: ICE	AIR: FLOW RATE (cfm)	AIR: RUN TIME (min)	AIR: VOLUME	NUMBER OF CONTAINERS SUPPLIED FOR EACH SAMPLE	ANALYSES / METHOD: VOC 8260B	ANALYSES / METHOD: MOISTURE %	FILTERED Y / N FIELD / LAB ___ MICRON FILTER	COMMENTS
	SB129/4.5-5	3.30.06	10.00	S	✓				✓		✓				4	✓	✓		
	SB129/9.5-10	↓	10:10	S	✓				✓		✓				4	✓	✓		
	SB129/19.5-20	↓	10:25	S	✓				✓		✓				4	✓	✓		

SHIPPING METHOD:

RELINQUISHED BY:	DATE
SIGNATURE: Greg Rainwater	3-31-06
PRINTED NAME: GREG RAINWATER	TIME 6:00
RECEIVED BY:	DATE
SIGNATURE: Vince Padilla	3/31/06
PRINTED: Vince Padilla	TIME 1130

AIRBILL NO:

RELINQUISHED BY:	DATE
SIGNATURE: Vince Padilla	3/31/06
PRINTED NAME: Vince Padilla	TIME 1145
RECEIVED BY:	DATE
SIGNATURE: Steve Gonzales	3/31/06
PRINTED NAME: Steve Gonzales	TIME 1130

SAMPLER:

RELINQUISHED BY:	DATE
SIGNATURE:	
PRINTED NAME:	TIME
RECEIVED BY:	DATE
SIGNATURE:	
PRINTED NAME:	TIME

LAB NAME:

LAB JOB ID:

TEMPERATURE UPON RECEIPT:

MEDIA: S - Soil W - Water A - Air DISTRIBUTION: White Copy - To Customer w/Report Pink Copy - To Job File Yellow Copy - To Lab

3

NGSC-GLU004887

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 3/31/06

Single Cooler Only

LIMS Lot #: E6C310281 Quote #: 68853

Client Name: Entact Project: JCI Fullerton

Received by: SG Date/Time Received: 3/31/06 1130

Delivered by : ☐ Client ☒ STL ☐ DHL ☐ Fed Ex ☐ UPS ☐ Other

****

	Initial / Date
Custody Seal Status Cooler: ☐Intact ☐Broken ☒None	SG 3/31/06
Custody Seal Status Samples: ☐Intact ☐Broken ☒None	
Custody Seal #(s): N/A ☒No Seal #	
Sampler Signature on COC ☐ Yes ☐No ☒N/A	
IR Gun # A Correction Factor -.5 °C IR passed daily verification ☒ Yes ☐No	
Temperature - **BLANK** 4.5 °C - .5 CF = 4.0 °C **Cooler #1 ID** N/A	
Temperature – **COOLER** (°C °C °C °C) = avg °C - .5 CF = °C	
Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒N/A	
Sample Container(s): ☐ STL-LA ☒Client	
pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒N/A	
Anomalies: ☒No ☐Yes – complete CUR and Create NCM	
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒Yes ☐ No	
Labeled by: SG	
Turn Around Time: ☐RUSH–24HR ☐RUSH–48HR ☒RUSH–72HR ☒NORMAL	SG 3/31/06

SG 3/31/06

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐YES ☒N/A SG 3/31/06

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

NGSC-GLU004888

LIMS Lot # E6C310281

PROJECT RECEIPT CHECKLIST Cont'd

Fraction	1-3													
VOAH														
7oz C(W)	1													
5gG	2													
25gE	1													

3/31/06

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore
AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☐YES ☒N/A 3/31/06

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☐ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- **CONTAINERS**
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
- **CUSTODY SEALS (COOLER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CONTAINER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other ☐ COC not received – notify PM
- **LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- ☐ Will be noted on COC–Client to send samples with new COC
- ☐ Mislabeled as to tests, preservatives, etc.
- ☐ Holding time expired – list sample ID and test
- ☐ Improper container used
- ☐ Not preserved/Improper preservative used
- ☐ Improper pH _____ Lab to preserve sample and document
- ☐ Insufficient quantities for analysis ☐ Other

Comments:

☐ Corrective Action Implemented:
☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____
☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: Logged in by other STL ☐ ____ Albert Vargas 3-31-06

PM Review/Date: MWC 3/31/06

NGSC-GLU004889

SEVERN TRENT STL

Analytical Report

NGSC-GLU004890

EXECUTIVE SUMMARY - Detection Highlights

E6C310281

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SB129/4.5-5 03/30/06 10:00 001				
Tetrachloroethene	600	280	ug/kg	SW846 8260B
Trichloroethene	95 J	280	ug/kg	SW846 8260B
Percent Moisture	22.0	0.10	%	MCAWW 160.3 MOD
SB129/9.5-10 03/30/06 10:10 002				
Tetrachloroethene	790	270	ug/kg	SW846 8260B
Trichloroethene	78 J	270	ug/kg	SW846 8260B
Percent Moisture	20.9	0.10	%	MCAWW 160.3 MOD
SB129/19.5-20 03/30/06 10:25 003				
1,1-Dichloroethene	3.9 J	4.5	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	14	4.5	ug/kg	SW846 8260B
Tetrachloroethene	280	4.5	ug/kg	SW846 8260B
Trichloroethene	31	4.5	ug/kg	SW846 8260B
Percent Moisture	10.6	0.10	%	MCAWW 160.3 MOD

NGSC-GLU004891

METHODS SUMMARY

E6C310281

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5035

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

NGSC-GLU004892

SAMPLE SUMMARY

E6C310281

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H2EAH	001	SB129/4.5-5	03/30/06	10:00
H2EAW	002	SB129/9.5-10	03/30/06	10:10
H2EA0	003	SB129/19.5-20	03/30/06	10:25

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

NGSC-GLU004893

Entact Environmental Services, LLC

Client Sample ID: SB129/4.5-5

GC/MS Volatiles

Lot-Sample #...:	E6C310281-001	**Work Order #...:**	H2EAH1AA	**Matrix.....:**	SO
Date Sampled...:	03/30/06 10:00	**Date Received..:**	03/31/06 11:30	**MS Run #.....:**	
Prep Date.....:	03/31/06	**Analysis Date..:**	04/03/06		
Prep Batch #...:	6095300	**Analysis Time..:**	17:36		
Dilution Factor:	0.86				
% Moisture.....:	22	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	1400	ug/kg	440
Benzene	ND	280	ug/kg	110
Bromobenzene	ND	280	ug/kg	77
Bromochloromethane	ND	280	ug/kg	83
Bromoform	ND	280	ug/kg	110
Bromomethane	ND	550	ug/kg	280
2-Butanone	ND	1400	ug/kg	550
n-Butylbenzene	ND	280	ug/kg	77
sec-Butylbenzene	ND	280	ug/kg	77
tert-Butylbenzene	ND	280	ug/kg	77
Carbon disulfide	ND	280	ug/kg	110
Carbon tetrachloride	ND	280	ug/kg	66
Chlorobenzene	ND	280	ug/kg	110
Dibromochloromethane	ND	280	ug/kg	110
Bromodichloromethane	ND	280	ug/kg	110
Chloroethane	ND	550	ug/kg	280
Chloroform	ND	280	ug/kg	77
Chloromethane	ND	550	ug/kg	220
2-Chlorotoluene	ND	280	ug/kg	77
4-Chlorotoluene	ND	280	ug/kg	77
1,2-Dibromo-3-chloro-propane	ND	550	ug/kg	170
1,2-Dibromoethane (EDB)	ND	280	ug/kg	77
Dibromomethane	ND	280	ug/kg	120
1,2-Dichlorobenzene	ND	280	ug/kg	110
1,3-Dichlorobenzene	ND	280	ug/kg	77
1,4-Dichlorobenzene	ND	280	ug/kg	110
Dichlorodifluoromethane	ND	550	ug/kg	190
1,1-Dichloroethane	ND	280	ug/kg	110
1,2-Dichloroethane	ND	280	ug/kg	77
1,1-Dichloroethene	ND	280	ug/kg	130
cis-1,2-Dichloroethene	ND	280	ug/kg	110
trans-1,2-Dichloroethene	ND	280	ug/kg	130
1,2-Dichloropropane	ND	280	ug/kg	110
1,3-Dichloropropane	ND	280	ug/kg	110
2,2-Dichloropropane	ND	280	ug/kg	66
1,1-Dichloropropene	ND	280	ug/kg	110

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NGSC-GLU004894

Entact Environmental Services, LLC

Client Sample ID: SB129/4.5-5

GC/MS Volatiles

Lot-Sample #...: E6C310281-001 Work Order #...: H2EAH1AA Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	280	ug/kg	110
trans-1,3-Dichloropropene	ND	280	ug/kg	77
Ethylbenzene	ND	280	ug/kg	77
Hexachlorobutadiene	ND	280	ug/kg	77
2-Hexanone	ND	1400	ug/kg	330
Isopropylbenzene	ND	280	ug/kg	130
p-Isopropyltoluene	ND	280	ug/kg	77
Methylene chloride	ND	280	ug/kg	55
4-Methyl-2-pentanone	ND	1400	ug/kg	440
Methyl tert-butyl ether	ND	280	ug/kg	110
Naphthalene	ND	280	ug/kg	110
n-Propylbenzene	ND	280	ug/kg	120
Styrene	ND	550	ug/kg	110
1,1,1,2-Tetrachloroethane	ND	280	ug/kg	55
1,1,2,2-Tetrachloroethane	ND	280	ug/kg	110
Tetrachloroethene	**600**	**280**	**ug/kg**	**88**
Toluene	ND	280	ug/kg	66
1,2,3-Trichlorobenzene	ND	280	ug/kg	77
1,2,4-Trichlorobenzene	ND	280	ug/kg	77
1,1,1-Trichloroethane	ND	280	ug/kg	77
1,1,2-Trichloroethane	ND	280	ug/kg	110
Trichloroethene	**95 J**	**280**	**ug/kg**	**66**
Trichlorofluoromethane	ND	550	ug/kg	77
1,2,3-Trichloropropane	ND	280	ug/kg	120
1,1,2-Trichlorotrifluoroethane	ND	280	ug/kg	110
1,2,4-Trimethylbenzene	ND	280	ug/kg	77
1,3,5-Trimethylbenzene	ND	280	ug/kg	130
Vinyl chloride	ND	550	ug/kg	170
m-Xylene & p-Xylene	ND	280	ug/kg	190
o-Xylene	ND	280	ug/kg	110
Xylenes (total)	ND	280	ug/kg	190

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(55 - 140)
1,2-Dichloroethane-d4	88	(55 - 140)
Toluene-d8	89	(55 - 140)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU004895

Entact Environmental Services, LLC

Client Sample ID: SB129/4.5-5

General Chemistry

Lot-Sample #...: E6C310281-001 Work Order #...: H2EAH Matrix.....: SO
Date Sampled...: 03/30/06 10:00 Date Received..: 03/31/06 11:30
% Moisture.....: 22

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	22.0	0.10	%	MCAWW 160.3 MOD	04/03-04/04/06	6093336

Dilution Factor: 1 Analysis Time..: 11:35 Analyst ID.....: 000064
Instrument ID..: W15 MS Run #.....: 6093214 MDL.....:

NGSC-GLU004896

Entact Environmental Services, LLC

Client Sample ID: SB129/9.5-10

GC/MS Volatiles

Lot-Sample #...: E6C310281-002 Work Order #...: H2EAW1AA Matrix.....: SO
Date Sampled...: 03/30/06 10:10 Date Received..: 03/31/06 11:30 MS Run #.....:
Prep Date.....: 03/31/06 Analysis Date..: 04/03/06
Prep Batch #...: 6095300 Analysis Time..: 17:58
Dilution Factor: 0.85
% Moisture.....: 21 Analyst ID.....: 999998 Instrument ID..: MSP
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	1300	ug/kg	430
Benzene	ND	270	ug/kg	110
Bromobenzene	ND	270	ug/kg	75
Bromochloromethane	ND	270	ug/kg	81
Bromoform	ND	270	ug/kg	110
Bromomethane	ND	540	ug/kg	270
2-Butanone	ND	1300	ug/kg	540
n-Butylbenzene	ND	270	ug/kg	75
sec-Butylbenzene	ND	270	ug/kg	75
tert-Butylbenzene	ND	270	ug/kg	75
Carbon disulfide	ND	270	ug/kg	110
Carbon tetrachloride	ND	270	ug/kg	64
Chlorobenzene	ND	270	ug/kg	110
Dibromochloromethane	ND	270	ug/kg	110
Bromodichloromethane	ND	270	ug/kg	110
Chloroethane	ND	540	ug/kg	270
Chloroform	ND	270	ug/kg	75
Chloromethane	ND	540	ug/kg	210
2-Chlorotoluene	ND	270	ug/kg	75
4-Chlorotoluene	ND	270	ug/kg	75
1,2-Dibromo-3-chloro-propane	ND	540	ug/kg	160
1,2-Dibromoethane (EDB)	ND	270	ug/kg	75
Dibromomethane	ND	270	ug/kg	120
1,2-Dichlorobenzene	ND	270	ug/kg	110
1,3-Dichlorobenzene	ND	270	ug/kg	75
1,4-Dichlorobenzene	ND	270	ug/kg	110
Dichlorodifluoromethane	ND	540	ug/kg	180
1,1-Dichloroethane	ND	270	ug/kg	110
1,2-Dichloroethane	ND	270	ug/kg	75
1,1-Dichloroethene	ND	270	ug/kg	130
cis-1,2-Dichloroethene	ND	270	ug/kg	110
trans-1,2-Dichloroethene	ND	270	ug/kg	130
1,2-Dichloropropane	ND	270	ug/kg	110
1,3-Dichloropropane	ND	270	ug/kg	110
2,2-Dichloropropane	ND	270	ug/kg	64
1,1-Dichloropropene	ND	270	ug/kg	110

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NGSC-GLU004897

Entact Environmental Services, LLC

Client Sample ID: SB129/9.5-10

GC/MS Volatiles

Lot-Sample #...: E6C310281-002 **Work Order #...:** H2EAW1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	270	ug/kg	110
trans-1,3-Dichloropropene	ND	270	ug/kg	75
Ethylbenzene	ND	270	ug/kg	75
Hexachlorobutadiene	ND	270	ug/kg	75
2-Hexanone	ND	1300	ug/kg	320
Isopropylbenzene	ND	270	ug/kg	130
p-Isopropyltoluene	ND	270	ug/kg	75
Methylene chloride	ND	270	ug/kg	54
4-Methyl-2-pentanone	ND	1300	ug/kg	430
Methyl tert-butyl ether	ND	270	ug/kg	110
Naphthalene	ND	270	ug/kg	110
n-Propylbenzene	ND	270	ug/kg	120
Styrene	ND	540	ug/kg	110
1,1,1,2-Tetrachloroethane	ND	270	ug/kg	54
1,1,2,2-Tetrachloroethane	ND	270	ug/kg	110
Tetrachloroethene	**790**	**270**	**ug/kg**	**86**
Toluene	ND	270	ug/kg	64
1,2,3-Trichlorobenzene	ND	270	ug/kg	75
1,2,4-Trichloro-benzene	ND	270	ug/kg	75
1,1,1-Trichloroethane	ND	270	ug/kg	75
1,1,2-Trichloroethane	ND	270	ug/kg	110
Trichloroethene	**78 J**	**270**	**ug/kg**	**64**
Trichlorofluoromethane	ND	540	ug/kg	75
1,2,3-Trichloropropane	ND	270	ug/kg	120
1,1,2-Trichlorotrifluoro-ethane	ND	270	ug/kg	110
1,2,4-Trimethylbenzene	ND	270	ug/kg	75
1,3,5-Trimethylbenzene	ND	270	ug/kg	130
Vinyl chloride	ND	540	ug/kg	160
m-Xylene & p-Xylene	ND	270	ug/kg	180
o-Xylene	ND	270	ug/kg	110
Xylenes (total)	ND	270	ug/kg	180

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(55 - 140)
1,2-Dichloroethane-d4	87	(55 - 140)
Toluene-d8	86	(55 - 140)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU004898

Entact Environmental Services, LLC

Client Sample ID: SB129/9.5-10

General Chemistry

Lot-Sample #...: E6C310281-002 Work Order #...: H2EAW Matrix.....: SO
Date Sampled...: 03/30/06 10:10 Date Received..: 03/31/06 11:30
% Moisture.....: 21

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	20.9	0.10	%	MCAWW 160.3 MOD	04/03-04/04/06	6093336

Dilution Factor: 1 Analysis Time..: 11:35 Analyst ID.....: 0000644
Instrument ID..: W15 MS Run #.....: 6093214 MDL.....:

NGSC-GLU004899

Entact Environmental Services, LLC

Client Sample ID: SB129/19.5-20

GC/MS Volatiles

Lot-Sample #...:	E6C310281-003	**Work Order #...:**	H2EA01AA	**Matrix.....:**	SO
Date Sampled...:	03/30/06 10:25	**Date Received..:**	03/31/06 11:30	**MS Run #.....:**	6095107
Prep Date.....:	03/31/06	**Analysis Date..:**	03/31/06		
Prep Batch #...:	6095186	**Analysis Time..:**	17:07		
Dilution Factor:	0.8				
% Moisture.....:	11	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	22	ug/kg	8.9
Benzene	ND	4.5	ug/kg	1.8
Bromobenzene	ND	4.5	ug/kg	1.8
Bromochloromethane	ND	4.5	ug/kg	0.89
Bromoform	ND	4.5	ug/kg	1.8
Bromomethane	ND	8.9	ug/kg	1.8
2-Butanone	ND	22	ug/kg	13
n-Butylbenzene	ND	4.5	ug/kg	1.8
sec-Butylbenzene	ND	4.5	ug/kg	1.8
tert-Butylbenzene	ND	4.5	ug/kg	1.8
Carbon disulfide	ND	4.5	ug/kg	1.8
Carbon tetrachloride	ND	4.5	ug/kg	0.89
Chlorobenzene	ND	4.5	ug/kg	1.8
Dibromochloromethane	ND	4.5	ug/kg	1.8
Bromodichloromethane	ND	4.5	ug/kg	0.89
Chloroethane	ND	8.9	ug/kg	1.8
Chloroform	ND	4.5	ug/kg	0.89
Chloromethane	ND	8.9	ug/kg	2.7
2-Chlorotoluene	ND	4.5	ug/kg	1.8
4-Chlorotoluene	ND	4.5	ug/kg	1.8
1,2-Dibromo-3-chloro-propane	ND	8.9	ug/kg	2.7
1,2-Dibromoethane (EDB)	ND	4.5	ug/kg	1.8
Dibromomethane	ND	4.5	ug/kg	0.89
1,2-Dichlorobenzene	ND	4.5	ug/kg	1.8
1,3-Dichlorobenzene	ND	4.5	ug/kg	1.8
1,4-Dichlorobenzene	ND	4.5	ug/kg	1.8
Dichlorodifluoromethane	ND	8.9	ug/kg	0.89
1,1-Dichloroethane	ND	4.5	ug/kg	0.89
1,2-Dichloroethane	ND	4.5	ug/kg	0.89
1,1-Dichloroethene	**3.9 J**	**4.5**	**ug/kg**	**1.8**
cis-1,2-Dichloroethene	**14**	**4.5**	**ug/kg**	**1.8**
trans-1,2-Dichloroethene	ND	4.5	ug/kg	1.8
1,2-Dichloropropane	ND	4.5	ug/kg	0.89
1,3-Dichloropropane	ND	4.5	ug/kg	1.8
2,2-Dichloropropane	ND	4.5	ug/kg	1.8
1,1-Dichloropropene	ND	4.5	ug/kg	0.89

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NGSC-GLU004900

Entact Environmental Services, LLC

Client Sample ID: SB129/19.5-20

GC/MS Volatiles

Lot-Sample #...: E6C310281-003 **Work Order #...:** H2EA01AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	4.5	ug/kg	0.89
trans-1,3-Dichloropropene	ND	4.5	ug/kg	1.8
Ethylbenzene	ND	4.5	ug/kg	1.8
Hexachlorobutadiene	ND	4.5	ug/kg	1.8
2-Hexanone	ND	22	ug/kg	8.9
Isopropylbenzene	ND	4.5	ug/kg	1.8
p-Isopropyltoluene	ND	4.5	ug/kg	1.8
Methylene chloride	ND	4.5	ug/kg	1.8
4-Methyl-2-pentanone	ND	22	ug/kg	8.9
Methyl tert-butyl ether	ND	4.5	ug/kg	0.89
Naphthalene	ND	4.5	ug/kg	1.8
n-Propylbenzene	ND	4.5	ug/kg	1.8
Styrene	ND	8.9	ug/kg	1.8
1,1,1,2-Tetrachloroethane	ND	4.5	ug/kg	1.8
1,1,2,2-Tetrachloroethane	ND	4.5	ug/kg	1.8
Tetrachloroethene	**280**	**4.5**	**ug/kg**	**1.8**
Toluene	ND	4.5	ug/kg	1.8
1,2,3-Trichlorobenzene	ND	4.5	ug/kg	1.8
1,2,4-Trichloro-benzene	ND	4.5	ug/kg	1.8
1,1,1-Trichloroethane	ND	4.5	ug/kg	0.89
1,1,2-Trichloroethane	ND	4.5	ug/kg	1.8
Trichloroethene	**31**	**4.5**	**ug/kg**	**1.8**
Trichlorofluoromethane	ND	8.9	ug/kg	1.8
1,2,3-Trichloropropane	ND	4.5	ug/kg	1.8
1,1,2-Trichlorotrifluoro-ethane	ND	4.5	ug/kg	1.8
1,2,4-Trimethylbenzene	ND	4.5	ug/kg	1.8
1,3,5-Trimethylbenzene	ND	4.5	ug/kg	1.8
Vinyl chloride	ND	8.9	ug/kg	1.8
m-Xylene & p-Xylene	ND	4.5	ug/kg	1.8
o-Xylene	ND	4.5	ug/kg	1.8
Xylenes (total)	ND	4.5	ug/kg	1.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	92	(60 - 130)
1,2-Dichloroethane-d4	77	(60 - 140)
Toluene-d8	83	(70 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU004901

Entact Environmental Services, LLC

Client Sample ID: SB129/19.5-20

General Chemistry

Lot-Sample #...: E6C310281-003 Work Order #...: H2EA0 Matrix.....: SO
Date Sampled...: 03/30/06 10:25 Date Received..: 03/31/06 11:30
% Moisture.....: 11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	10.6	0.10	%	MCAWW 160.3 MOD	04/03-04/04/06	6093336

Dilution Factor: 1 Analysis Time..: 11:35 Analyst ID.....: 0000644
Instrument ID..: W15 MS Run #.....: 6093214 MDL.....:

NGSC-GLU004902

SEVERN TRENT STL

QA/QC

NGSC-GLU004903

QC DATA ASSOCIATION SUMMARY

E6C310281

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SO	SW846 8260B		6095300	
	SO	MCAWW 160.3 MOD		6093336	6093214
002	SO	SW846 8260B		6095300	
	SO	MCAWW 160.3 MOD		6093336	6093214
003	SO	SW846 8260B		6095186	6095107
	SO	MCAWW 160.3 MOD		6093336	6093214

NGSC-GLU004904

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6C310281
MB Lot-Sample #: E6D050000-186

Work Order #...: H2L9M1AA

Matrix.....: SOLID

Prep Date.....: 03/31/06
Prep Batch #...: 6095186

Analysis Date..: 03/31/06
Dilution Factor: 1

Analysis Time..: 11:44
Instrument ID..: MSP

Analyst ID.....: 999998

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	25	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	SW846 8260B
Dibromomethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B

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NGSC-GLU004905

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6C310281 **Work Order #...:** H2L9M1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
Naphthalene	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	5.0	ug/kg	SW846 8260B
o-Xylene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(60 - 130)
1,2-Dichloroethane-d4	76	(60 - 140)
Toluene-d8	85	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NGSC-GLU004906

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6C310281
MB Lot-Sample #: E6D050000-300

Work Order #...: H2M461AA

Matrix.....: SOLID

Prep Date.....: 03/31/06
Prep Batch #...: 6095300

Analysis Date..: 04/03/06
Dilution Factor: 1

Analysis Time..: 16:51
Instrument ID..: MSP

Analyst ID.....: 999998

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	1200	ug/kg	SW846 8260B
Benzene	ND	250	ug/kg	SW846 8260B
Bromobenzene	ND	250	ug/kg	SW846 8260B
Bromochloromethane	ND	250	ug/kg	SW846 8260B
Bromoform	ND	250	ug/kg	SW846 8260B
Bromomethane	ND	500	ug/kg	SW846 8260B
2-Butanone	ND	1200	ug/kg	SW846 8260B
n-Butylbenzene	ND	250	ug/kg	SW846 8260B
sec-Butylbenzene	ND	250	ug/kg	SW846 8260B
tert-Butylbenzene	ND	250	ug/kg	SW846 8260B
Carbon disulfide	ND	250	ug/kg	SW846 8260B
Carbon tetrachloride	ND	250	ug/kg	SW846 8260B
Chlorobenzene	ND	250	ug/kg	SW846 8260B
Dibromochloromethane	ND	250	ug/kg	SW846 8260B
Bromodichloromethane	ND	250	ug/kg	SW846 8260B
Chloroethane	ND	500	ug/kg	SW846 8260B
Chloroform	ND	250	ug/kg	SW846 8260B
Chloromethane	ND	500	ug/kg	SW846 8260B
2-Chlorotoluene	ND	250	ug/kg	SW846 8260B
4-Chlorotoluene	ND	250	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	500	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	250	ug/kg	SW846 8260B
Dibromomethane	ND	250	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	500	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	250	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	250	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	250	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	250	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	250	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	250	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	250	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	250	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	250	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	250	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	250	ug/kg	SW846 8260B
Ethylbenzene	ND	250	ug/kg	SW846 8260B

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NGSC-GLU004907

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6C310281 **Work Order #...:** H2M461AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	250	ug/kg	SW846 8260B
2-Hexanone	ND	1200	ug/kg	SW846 8260B
Isopropylbenzene	ND	250	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	250	ug/kg	SW846 8260B
Methylene chloride	ND	250	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	1200	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	250	ug/kg	SW846 8260B
Naphthalene	ND	250	ug/kg	SW846 8260B
n-Propylbenzene	ND	250	ug/kg	SW846 8260B
Styrene	ND	500	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	250	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	250	ug/kg	SW846 8260B
Tetrachloroethene	ND	250	ug/kg	SW846 8260B
Toluene	ND	250	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	250	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	250	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	250	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	250	ug/kg	SW846 8260B
Trichloroethene	ND	250	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	500	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	250	ug/kg	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	250	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	250	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	250	ug/kg	SW846 8260B
Vinyl chloride	ND	500	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	250	ug/kg	SW846 8260B
o-Xylene	ND	250	ug/kg	SW846 8260B
Xylenes (total)	ND	250	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	110	(55 - 140)
1,2-Dichloroethane-d4	101	(55 - 140)
Toluene-d8	102	(55 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NGSC-GLU004908

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6C310281 **Work Order #...:** H2L9M1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E6D050000-186
Prep Date.....: 03/31/06 **Analysis Date..:** 03/31/06
Prep Batch #...: 6095186 **Analysis Time..:** 10:59
Dilution Factor: 1 **Instrument ID..:** MSP
Analyst ID.....: 999998

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**95**	**(70 - 130)**	**SW846 8260B**
Chlorobenzene	**100**	**(70 - 130)**	**SW846 8260B**
1,1-Dichloroethene	**102**	**(65 - 150)**	**SW846 8260B**
Toluene	**98**	**(70 - 130)**	**SW846 8260B**
Trichloroethene	**102**	**(70 - 135)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	84	(60 - 130)
1,2-Dichloroethane-d4	73	(60 - 140)
Toluene-d8	81	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU004909

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6C310281 **Work Order #...:** H2L9M1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E6D050000-186
Prep Date.....: 03/31/06 **Analysis Date..:** 03/31/06
Prep Batch #...: 6095186 **Analysis Time..:** 10:59
Dilution Factor: 1 **Instrument ID..:** MSP
Analyst ID.....: 999998

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**50.0**	**47.6**	**ug/kg**	**95**	**SW846 8260B**
Chlorobenzene	**50.0**	**49.9**	**ug/kg**	**100**	**SW846 8260B**
1,1-Dichloroethene	**50.0**	**51.1**	**ug/kg**	**102**	**SW846 8260B**
Toluene	**50.0**	**48.8**	**ug/kg**	**98**	**SW846 8260B**
Trichloroethene	**50.0**	**51.0**	**ug/kg**	**102**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	84	(60 - 130)
1,2-Dichloroethane-d4	73	(60 - 140)
Toluene-d8	81	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU004910

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6C310281
LCS Lot-Sample#: E6D050000-300
Prep Date.....: 03/31/06
Prep Batch #...: 6095300
Dilution Factor: 1
Analyst ID.....: 999998

Work Order #...: H2M461AC-LCS
H2M461AD-LCSD
Analysis Date..: 04/03/06
Analysis Time..: 16:06
Instrument ID..: MSP

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**91**	**(60 - 135)**			**SW846 8260B**
	89	**(60 - 135)**	**2.3**	**(0-35)**	**SW846 8260B**
Chlorobenzene	**98**	**(60 - 125)**			**SW846 8260B**
	98	**(60 - 125)**	**0.16**	**(0-35)**	**SW846 8260B**
1,1-Dichloroethene	**76**	**(55 - 130)**			**SW846 8260B**
	67	**(55 - 130)**	**12**	**(0-35)**	**SW846 8260B**
Toluene	**97**	**(60 - 125)**			**SW846 8260B**
	94	**(60 - 125)**	**2.3**	**(0-35)**	**SW846 8260B**
Trichloroethene	**100**	**(60 - 140)**			**SW846 8260B**
	98	**(60 - 140)**	**2.2**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(55 - 140)
	101	(55 - 140)
1,2-Dichloroethane-d4	96	(55 - 140)
	96	(55 - 140)
Toluene-d8	103	(55 - 140)
	103	(55 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU004911

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6C310281 **Work Order #...:** H2M461AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: E6D050000-300 H2M461AD-LCSD
Prep Date.....: 03/31/06 **Analysis Date..:** 04/03/06
Prep Batch #...: 6095300 **Analysis Time..:** 16:06
Dilution Factor: 1 **Instrument ID..:** MSP
Analyst ID.....: 999998

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**2500**	**2270**	**ug/kg**	**91**		**SW846 8260B**
	2500	**2220**	**ug/kg**	**89**	**2.3**	**SW846 8260B**
Chlorobenzene	**2500**	**2460**	**ug/kg**	**98**		**SW846 8260B**
	2500	**2450**	**ug/kg**	**98**	**0.16**	**SW846 8260B**
1,1-Dichloroethene	**2500**	**1900**	**ug/kg**	**76**		**SW846 8260B**
	2500	**1680**	**ug/kg**	**67**	**12**	**SW846 8260B**
Toluene	**2500**	**2410**	**ug/kg**	**97**		**SW846 8260B**
	2500	**2360**	**ug/kg**	**94**	**2.3**	**SW846 8260B**
Trichloroethene	**2500**	**2490**	**ug/kg**	**100**		**SW846 8260B**
	2500	**2440**	**ug/kg**	**98**	**2.2**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(55 - 140)
	101	(55 - 140)
1,2-Dichloroethane-d4	96	(55 - 140)
	96	(55 - 140)
Toluene-d8	103	(55 - 140)
	103	(55 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU004912

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E6C310281	**Work Order #...:**	H2CJ11A4-MS H2CJ11A5-MSD	**Matrix.....:**	SOLID
MS Lot-Sample #:	E6C300396-009				
Date Sampled...:	03/30/06 15:22	**Date Received..:**	03/30/06 18:00	**MS Run #.....:**	6095107
Prep Date.....:	03/31/06	**Analysis Date..:**	03/31/06		
Prep Batch #...:	6095186	**Analysis Time..:**	15:38		
Dilution Factor:	0.96	**% Moisture.....:**	0.0	**Analyst ID.....:**	999998
Instrument ID..:	MSP				

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**101**	**(70 - 130)**			**SW846 8260B**
	100	**(70 - 130)**	**4.1**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**104**	**(70 - 130)**			**SW846 8260B**
	101	**(70 - 130)**	**5.3**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethene	**112**	**(65 - 150)**			**SW846 8260B**
	113	**(65 - 150)**	**2.6**	**(0-30)**	**SW846 8260B**
Toluene	**104**	**(70 - 130)**			**SW846 8260B**
	102	**(70 - 130)**	**4.5**	**(0-30)**	**SW846 8260B**
Trichloroethene	**109**	**(70 - 135)**			**SW846 8260B**
	106	**(70 - 135)**	**6.1**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	88	(60 - 130)
	87	(60 - 130)
1,2-Dichloroethane-d4	75	(60 - 140)
	72	(60 - 140)
Toluene-d8	87	(70 - 130)
	87	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU004913

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E6C310281	**Work Order #...:**	H2CJ11A4-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E6C300396-009		H2CJ11A5-MSD		
Date Sampled...:	03/30/06 15:22	**Date Received..:**	03/30/06 18:00	**MS Run #.....:**	6095107
Prep Date.....:	03/31/06	**Analysis Date..:**	03/31/06		
Prep Batch #...:	6095186	**Analysis Time..:**	15:38		
Dilution Factor:	0.96	**% Moisture.....:**	0.0	**Analyst ID.....:**	999998
Instrument ID..:	MSP				

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**48.2**	**48.9**	**ug/kg**	**101**		**SW846 8260B**
	ND	**46.8**	**46.9**	**ug/kg**	**100**	**4.1**	**SW846 8260B**
Chlorobenzene	**ND**	**48.2**	**49.9**	**ug/kg**	**104**		**SW846 8260B**
	ND	**46.8**	**47.3**	**ug/kg**	**101**	**5.3**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**48.2**	**54.2**	**ug/kg**	**112**		**SW846 8260B**
	ND	**46.8**	**52.8**	**ug/kg**	**113**	**2.6**	**SW846 8260B**
Toluene	**ND**	**48.2**	**50.1**	**ug/kg**	**104**		**SW846 8260B**
	ND	**46.8**	**47.9**	**ug/kg**	**102**	**4.5**	**SW846 8260B**
Trichloroethene	**ND**	**48.2**	**52.7**	**ug/kg**	**109**		**SW846 8260B**
	ND	**46.8**	**49.6**	**ug/kg**	**106**	**6.1**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	88	(60 - 130)
	87	(60 - 130)
1,2-Dichloroethane-d4	75	(60 - 140)
	72	(60 - 140)
Toluene-d8	87	(70 - 130)
	87	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU004914

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: E6C310281 **Work Order #...:** H2EAH-SMP H2EAH-DUP **Matrix.....:** SO

Date Sampled...: 03/30/06 10:00 **Date Received..:** 03/31/06 11:30

% Moisture.....: 22

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	E6C310281-001	
	22.0	21.5	%	2.3	(0-10)	MCAWW 160.3 MOD	04/03-04/04/06	6093336

Dilution Factor: 1 Analysis Time..: 11:35 Analyst ID.....: 000064

Instrument ID..: W15 MS Run Number..: 6093214

NGSC-GLU004915

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

April 18, 2006

STL LOT NUMBER: E6C310315
NELAP Certification Number: 01118CA/E87652

Jennifer Alexander
Entact Environmental Services,
3129 Bass Pro Drive
Grapevine, TX 76051

Dear Ms. Alexander,

This report contains the analytical results for the three samples received under chain of custody by STL Los Angeles on March 31, 2006. These samples are associated with your Johnson Controls, Fullerton CA project.

All applicable quality control procedures met method-specified acceptance criteria except as noted on the following page. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. See Project Receipt Checklist for container temperature and conditions. Temperature reading between 2 to 6 degrees Celsius is considered within acceptable criteria. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. The case narrative is an integral part of the report. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at (714) 258-8610 extension 325.

Sincerely,

Diane Suzuki
Project Manager

CC: Project File

000031

Page 1 of _____ total pages in this report.

NGSC-GLU004916

LOT NUMBER E6C310315

Nonconformance 05-16083

Affected Samples:
E6C310315 (1): SB129/29.5-30
E6C310315 (2): SB129/39.5-40
E6C310315 (3): SB129/49.5-50

Case Narrative:
Sample date on the chain of custody was mistakenly written as 3/31/06, but the actual collection date as per containers is 3/30/06. A corrected chain of custody was submitted and is included with this report.

Nonconformance 05-16157

Affected Samples:
E6C310315 (1): SB129/29.5-30
E6C310315 (2): SB129/39.5-40
E6C310315 (3): SB129/49.5-50

Affected Methods:
8260B/5035

Case Narrative:
There was insufficient sample volume provided to prepare a project-specific MS/MSD. A duplicate LCS has been prepared to provide accuracy and precision measurement for the samples in this project.

NGSC-GLU004917

E6C310315

CHAIN OF CUSTODY RECORD

E6C310315

SAMPLE:
- Treated Stockpile
- Untreated Stockpile
- Excavation Verification
- Air
- Groundwater
- Other SOIL

ENTACT

☐ **CHICAGO OFFICE**
1010 EXECUTIVE COURT
SUITE 280
WESTMONT, IL 60559
630.986.2900
630.986.0653 f

☑ **DALLAS OFFICE**
4040 WEST ROYAL LANE
SUITE 136
IRVING, TX 75063
972.580.1323
972.550.7464 f

"Safety keeps you ENTACT"

PROJECT INFORMATION

NAME ENTACT - JCI FULLERTON
JOB NUMBER C1613
LOCATION FULLERTON, CA
PHONE 972.580.1323
CONTACT JENNIFER ALEXANDER
EMAIL

REQUIRED TURNAROUND
- ☐ Standard
- ☐ 5 Day
- ☐ 3 Day
- ☐ 48 Hour
- ☐ 24 Hour
- ☒ HOLD

DETECTION LIMIT CRITERIA

COMMENTS

NUMBER	DESCRIPTION	DATE	TIME	MATRIX	GRAB	COMPOSITE	HCL	HNO3	ENCORE	NONE	ICE				NUMBER OF CONTAINERS SUPPLIED FOR EACH SAMPLE	VOC 8260B	MOISTURE %								FILTERED Y / N FIELD / LAB ___ MICRON FILTER	COMMENTS
	SB129/29.5-30	3.31.06	10:50	S	✓				✓		✓				4	✓	✓									HOLD ALL ANALYSES
	SB129/39.5-40	↓	11:05	S	✓				✓		✓				4	✓	✓									
	SB129/49.5-50	↓	12:00	S	✓				✓		✓				4	✓	✓									

SHIPPING METHOD:
AIRBILL NO:
SAMPLER:
LAB NAME:

RELINQUISHED BY:	DATE	RELINQUISHED BY:	DATE	RELINQUISHED BY:	DATE
SIGNATURE: [signature]	3.31.06	SIGNATURE: [signature]	3/31/06	SIGNATURE:	
PRINTED NAME: GREG RAMWATER	TIME 6:00	PRINTED NAME: Vince Padilla	TIME 1145	PRINTED NAME:	TIME
RECEIVED BY:	DATE	RECEIVED BY:	DATE	RECEIVED BY:	DATE
SIGNATURE: [signature]	3/31/06	SIGNATURE: [signature]	3/31/06	SIGNATURE:	
PRINTED NAME: Vince Padilla	TIME 1130	PRINTED NAME: Steve Gonzalez	TIME 1130	PRINTED NAME:	TIME

LAB JOB ID:
TEMPERATURE UPON RECEIPT:

MEDIA: S - Soil W - Water A - Air DISTRIBUTION: White Copy - To Customer w/Report Pink Copy - To Job File Yellow Copy - To Lab

3

NGSC-GLU004918

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 3/31/06

Single Cooler Only E6C310315

LIMS Lot #: ~~E6C310335~~ Quote #: 68553

Client Name: Entact Project: JCI Fullerton

Received by: Sig Date/Time Received: 3/31/06 1130

Delivered by : ☐ Client ☒ STL ☐ DHL ☐ Fed Ex ☐ UPS ☐ Other

****

Initial / Date

Custody Seal Status Cooler: ☐Intact ☐Broken ☒None 3/31/06

Custody Seal Status Samples: ☐Intact ☐Broken ☒None .....

Custody Seal #(s): N/A ☒No Seal #.....

Sampler Signature on COC ☐ Yes ☐No ☒N/A.....

IR Gun # __A_ Correction Factor __-.5_°C IR passed daily verification ☒Yes ☐No .....

Temperature - **BLANK** 4.5 °C -.5 CF = 4.0 °C ...**Cooler #1 ID** N/A .....

Temperature – **COOLER** (____°C ____°C ____°C ____°C) = _____ avg °C -__.5 __ CF = _____ °C.....

Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒N/A...

Sample Container(s): ☒STL-LA ☐ Client .....

pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒N/A..

Anomalies: ☐No ☒Yes – complete CUR and Create NCM .....

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☐ Yes ☒No.....

Labeled by: Sig .....

****

Turn Around Time: ☐RUSH–24HR ☐RUSH–48HR ☐RUSH–72HR ☒NORMAL..... 3/31/06

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐YES ☒N/A 3/31/06

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

NGSC-GLU004919

LIMS Lot # E6C 310315

PROJECT RECEIPT CHECKLIST Cont'd

Fraction	1-3													
OAH														
1oz CGJ	1													
5g E	2													
25g E	1													

EG 3/31/06

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore
AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☒ YES ☐ N/A EG 3/31/06

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☐ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- **CONTAINERS**
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
- **CUSTODY SEALS (COOLER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CONTAINER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☒ Other ☐ COC not received – notify PM
- **LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
  - ☐ Will be noted on COC--Client to send samples with new COC
  - ☐ Mislabeled as to tests, preservatives, etc.
  - ☐ Holding time expired – list sample ID and test
  - ☐ Improper container used
  - ☐ Not preserved/Improper preservative used
  - ☐ Improper pH _____ Lab to preserve sample and document
  - ☐ Insufficient quantities for analysis ☐ Other

Comments:
Sample date on COC says 3/31/06 but Containers have Sample date of 3/30/06

☐ Corrective Action Implemented:
☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____
☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: Logged in by other STL ☐ ____ PM Review/Date:
Albert Vargas 3-31-06 [signature] 3/31/06

NGSC-GLU004920

E6C310315

CHAIN OF CUSTODY RECORD

E6C310315

SAMPLE TYPE:
- ☐ Treated Stockpile
- ☐ Untreated Stockpile
- ☐ Excavation Verification
- ☐ Air _____
- ☐ Groundwater
- ☒ Other SOIL

ENTACT

☐ **CHICAGO OFFICE**
1010 EXECUTIVE COURT
SUITE 280
WESTMONT, IL 60559
630.986.2900
630.986.0653 f

☑ **DALLAS OFFICE**
4040 WEST ROYAL LANE
SUITE 136
IRVING, TX 75063
972.580.1323
972.550.7464 f

"Safety keeps you ENTACT"

PROJECT INFORMATION

NAME ENTACT - JCI FULLERTON
JOB NUMBER C1613
LOCATION FULLERTON, CA
PHONE 972-580-1323
CONTACT JENNIFER ALEXANDER
EMAIL

REQUIRED TURNAROUND
- ☐ Standard
- ☐ 5 Day
- ☐ 3 Day
- ☐ 48 Hour
- ☐ 24 Hour
- ☒ HOLD

DETECTION LIMIT CRITERIA

SAMPLE NUMBER	DESCRIPTION	DATE	TIME	MATRIX	GRAB	COMPOSITE	HCL	HNO3	ENCORE	NONE	ICE	AIR			NUMBER OF CONTAINERS SUPPLIED FOR EACH SAMPLE	VOC 8260B	MOISTURE %									FILTERED Y / N FIELD / LAB MICROX FILTER	COMMENTS
	SB129/29.5-30	3.30.06	10:50	S	✓				✓		✓				4	✓	✓										HOLD ALL ANALYSES
	SB129/39.5-40	↓	11:05	S	✓				✓		✓				4	✓	✓										
	SB129/49.5-50	↓	12:00	S	✓				✓		✓				4	✓	✓										

SHIPPING METHOD:
AIRBILL NO:
SAMPLER:
LAB NAME:

RELINQUISHED BY	DATE	RECEIVED BY	DATE	RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE: [signature]	3.31.06	SIGNATURE: [signature]	3/31/06	SIGNATURE:		SIGNATURE:	
PRINTED NAME: GREG RAINWATER	TIME 6:00	PRINTED NAME: VINCE PADILLA	TIME 1115	PRINTED NAME:	TIME	PRINTED NAME:	TIME
SIGNATURE: [signature]	3/31/06	SIGNATURE: [signature]	3/31/06	SIGNATURE:		SIGNATURE:	
PRINTED NAME: VINCE PADILLA	TIME 1130	PRINTED NAME: STEVE GONZALEZ	TIME 1130	PRINTED NAME:	TIME	PRINTED NAME:	TIME

MEDIA: S - Soil W - Water A - Air DISTRIBUTION: White Copy - To Customer w/Report Pink Copy - To Job File Yellow Copy - To Lab

ENTACT Services, LLC
3129 Bass Pro Drive
Grapevine, TX 76051
p. 972.580.1323
f. 972.550.7464

ENTACT

MEMORANDUM

TO: Diane Suzuki, *dsuzuki@stl-inc.com*

FROM: Greg Rainwater

DATE: April 6, 2006

RE: **Additional Soil Analysis**
JCI Fullerton, CA Project

Please analyze the following soil samples that were collected for March 30, 2006 for VOCs per EPA Method 8260B:

SB128 / 4.5-5
SB128 / 9.5-10
SB128 / 19.5-20
SB128 / 29.5-30
SB128 / 39.5-40
SB128 / 49.5-50

SB129 / 29.5-30
SB129 / 39.5-40
SB129 / 49.5-50

In addition, please analyze the following sample for Grain Size Distribution (dry) per ASTM D422:

SB129 / 5-6
SB130 / 69-70

NGSC-GLU004922

SEVERN TRENT STL

Analytical Report

NGSC-GLU004923

EXECUTIVE SUMMARY - Detection Highlights

E6C310315

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SB129/29.5-30 03/30/06 10:50 001				
Tetrachloroethene	2500	270	ug/kg	SW846 8260B
Trichloroethene	220 J	270	ug/kg	SW846 8260B
Percent Moisture	20.9	0.10	%	MCAWW 160.3 MOD
SB129/39.5-40 03/30/06 11:05 002				
Tetrachloroethene	600	240	ug/kg	SW846 8260B
Trichloroethene	170 J	240	ug/kg	SW846 8260B
Percent Moisture	14.6	0.10	%	MCAWW 160.3 MOD
SB129/49.5-50 03/30/06 12:00 003				
Tetrachloroethene	5.7	5.4	ug/kg	SW846 8260B
Trichloroethene	2.8 J	5.4	ug/kg	SW846 8260B
Percent Moisture	6.5	0.10	%	MCAWW 160.3 MOD

NGSC-GLU004924

METHODS SUMMARY

E6C310315

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5035

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

NGSC-GLU004925

SAMPLE SUMMARY

E6C310315

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H2EJC	001	SB129/29.5-30	03/30/06	10:50
H2EJF	002	SB129/39.5-40	03/30/06	11:05
H2EJJ	003	SB129/49.5-50	03/30/06	12:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

NGSC-GLU004926

Entact Environmental Services, LLC

Client Sample ID: SB129/29.5-30

GC/MS Volatiles

Lot-Sample #...: E6C310315-001 Work Order #...: H2EJC1AC Matrix.....: SO
Date Sampled...: 03/30/06 10:50 Date Received..: 03/31/06 11:30 MS Run #.....:
Prep Date.....: 03/31/06 Analysis Date..: 04/07/06
Prep Batch #...: 6097349 Analysis Time..: 13:28
Dilution Factor: 0.87
% Moisture.....: 21 Analyst ID.....: 999998 Instrument ID..: MSP
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	1400	ug/kg	440
Benzene	ND	270	ug/kg	110
Bromobenzene	ND	270	ug/kg	77
Bromochloromethane	ND	270	ug/kg	82
Bromoform	ND	270	ug/kg	110
Bromomethane	ND	550	ug/kg	270
2-Butanone	ND	1400	ug/kg	550
n-Butylbenzene	ND	270	ug/kg	77
sec-Butylbenzene	ND	270	ug/kg	77
tert-Butylbenzene	ND	270	ug/kg	77
Carbon disulfide	ND	270	ug/kg	110
Carbon tetrachloride	ND	270	ug/kg	66
Chlorobenzene	ND	270	ug/kg	110
Dibromochloromethane	ND	270	ug/kg	110
Bromodichloromethane	ND	270	ug/kg	110
Chloroethane	ND	550	ug/kg	270
Chloroform	ND	270	ug/kg	77
Chloromethane	ND	550	ug/kg	220
2-Chlorotoluene	ND	270	ug/kg	77
4-Chlorotoluene	ND	270	ug/kg	77
1,2-Dibromo-3-chloro-propane	ND	550	ug/kg	160
1,2-Dibromoethane (EDB)	ND	270	ug/kg	77
Dibromomethane	ND	270	ug/kg	120
1,2-Dichlorobenzene	ND	270	ug/kg	110
1,3-Dichlorobenzene	ND	270	ug/kg	77
1,4-Dichlorobenzene	ND	270	ug/kg	110
Dichlorodifluoromethane	ND	550	ug/kg	190
1,1-Dichloroethane	ND	270	ug/kg	110
1,2-Dichloroethane	ND	270	ug/kg	77
1,1-Dichloroethene	ND	270	ug/kg	130
cis-1,2-Dichloroethene	ND	270	ug/kg	110
trans-1,2-Dichloroethene	ND	270	ug/kg	130
1,2-Dichloropropane	ND	270	ug/kg	110
1,3-Dichloropropane	ND	270	ug/kg	110
2,2-Dichloropropane	ND	270	ug/kg	66
1,1-Dichloropropene	ND	270	ug/kg	110

(Continued on next page)

NGSC-GLU004927

Entact Environmental Services, LLC

Client Sample ID: SB129/29.5-30

GC/MS Volatiles

Lot-Sample #...: E6C310315-001 **Work Order #...:** H2EJC1AC **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	270	ug/kg	110
trans-1,3-Dichloropropene	ND	270	ug/kg	77
Ethylbenzene	ND	270	ug/kg	77
Hexachlorobutadiene	ND	270	ug/kg	77
2-Hexanone	ND	1400	ug/kg	330
Isopropylbenzene	ND	270	ug/kg	130
p-Isopropyltoluene	ND	270	ug/kg	77
Methylene chloride	ND	270	ug/kg	55
4-Methyl-2-pentanone	ND	1400	ug/kg	440
Methyl tert-butyl ether	ND	270	ug/kg	110
Naphthalene	ND	270	ug/kg	110
n-Propylbenzene	ND	270	ug/kg	120
Styrene	ND	550	ug/kg	110
1,1,1,2-Tetrachloroethane	ND	270	ug/kg	55
1,1,2,2-Tetrachloroethane	ND	270	ug/kg	110
Tetrachloroethene	**2500**	**270**	**ug/kg**	**88**
Toluene	ND	270	ug/kg	66
1,2,3-Trichlorobenzene	ND	270	ug/kg	77
1,2,4-Trichloro-benzene	ND	270	ug/kg	77
1,1,1-Trichloroethane	ND	270	ug/kg	77
1,1,2-Trichloroethane	ND	270	ug/kg	110
Trichloroethene	**220 J**	**270**	**ug/kg**	**66**
Trichlorofluoromethane	ND	550	ug/kg	77
1,2,3-Trichloropropane	ND	270	ug/kg	120
1,1,2-Trichlorotrifluoro-ethane	ND	270	ug/kg	110
1,2,4-Trimethylbenzene	ND	270	ug/kg	77
1,3,5-Trimethylbenzene	ND	270	ug/kg	130
Vinyl chloride	ND	550	ug/kg	160
m-Xylene & p-Xylene	ND	270	ug/kg	190
o-Xylene	ND	270	ug/kg	110
Xylenes (total)	ND	270	ug/kg	190

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(55 - 140)
1,2-Dichloroethane-d4	93	(55 - 140)
Toluene-d8	96	(55 - 140)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU004928

Entact Environmental Services, LLC

Client Sample ID: SB129/29.5-30

General Chemistry

Lot-Sample #...: E6C310315-001 Work Order #...: H2EJC Matrix.....: SO
Date Sampled...: 03/30/06 10:50 Date Received..: 03/31/06 11:30
% Moisture.....: 21

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	20.9	0.10	%	MCAWW 160.3 MOD	04/10-04/11/06	6100260

Dilution Factor: 1 Analysis Time..: 11:55 Analyst ID.....: 000064
Instrument ID..: W15 MS Run #.....: 6100157 MDL.....:

NGSC-GLU004929

Entact Environmental Services, LLC

Client Sample ID: SB129/39.5-40

GC/MS Volatiles

Lot-Sample #...:	E6C310315-002	**Work Order #...:**	H2EJF1AC	**Matrix.....:**	SO
Date Sampled...:	03/30/06 11:05	**Date Received..:**	03/31/06 11:30	**MS Run #.....:**	
Prep Date.....:	03/31/06	**Analysis Date..:**	04/07/06		
Prep Batch #...:	6097349	**Analysis Time..:**	13:05		
Dilution Factor:	0.82				
% Moisture.....:	15	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	1200	ug/kg	380
Benzene	ND	240	ug/kg	96
Bromobenzene	ND	240	ug/kg	67
Bromochloromethane	ND	240	ug/kg	72
Bromoform	ND	240	ug/kg	96
Bromomethane	ND	480	ug/kg	240
2-Butanone	ND	1200	ug/kg	480
n-Butylbenzene	ND	240	ug/kg	67
sec-Butylbenzene	ND	240	ug/kg	67
tert-Butylbenzene	ND	240	ug/kg	67
Carbon disulfide	ND	240	ug/kg	96
Carbon tetrachloride	ND	240	ug/kg	58
Chlorobenzene	ND	240	ug/kg	96
Dibromochloromethane	ND	240	ug/kg	96
Bromodichloromethane	ND	240	ug/kg	96
Chloroethane	ND	480	ug/kg	240
Chloroform	ND	240	ug/kg	67
Chloromethane	ND	480	ug/kg	190
2-Chlorotoluene	ND	240	ug/kg	67
4-Chlorotoluene	ND	240	ug/kg	67
1,2-Dibromo-3-chloro-propane	ND	480	ug/kg	140
1,2-Dibromoethane (EDB)	ND	240	ug/kg	67
Dibromomethane	ND	240	ug/kg	110
1,2-Dichlorobenzene	ND	240	ug/kg	96
1,3-Dichlorobenzene	ND	240	ug/kg	67
1,4-Dichlorobenzene	ND	240	ug/kg	96
Dichlorodifluoromethane	ND	480	ug/kg	160
1,1-Dichloroethane	ND	240	ug/kg	96
1,2-Dichloroethane	ND	240	ug/kg	67
1,1-Dichloroethene	ND	240	ug/kg	120
cis-1,2-Dichloroethene	ND	240	ug/kg	96
trans-1,2-Dichloroethene	ND	240	ug/kg	120
1,2-Dichloropropane	ND	240	ug/kg	96
1,3-Dichloropropane	ND	240	ug/kg	96
2,2-Dichloropropane	ND	240	ug/kg	58
1,1-Dichloropropene	ND	240	ug/kg	96

(Continued on next page)

NGSC-GLU004930

Entact Environmental Services, LLC

Client Sample ID: SB129/39.5-40

GC/MS Volatiles

Lot-Sample #...: E6C310315-002 Work Order #...: H2EJF1AC Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	240	ug/kg	96
trans-1,3-Dichloropropene	ND	240	ug/kg	67
Ethylbenzene	ND	240	ug/kg	67
Hexachlorobutadiene	ND	240	ug/kg	67
2-Hexanone	ND	1200	ug/kg	290
Isopropylbenzene	ND	240	ug/kg	120
p-Isopropyltoluene	ND	240	ug/kg	67
Methylene chloride	ND	240	ug/kg	48
4-Methyl-2-pentanone	ND	1200	ug/kg	380
Methyl tert-butyl ether	ND	240	ug/kg	96
Naphthalene	ND	240	ug/kg	96
n-Propylbenzene	ND	240	ug/kg	110
Styrene	ND	480	ug/kg	96
1,1,1,2-Tetrachloroethane	ND	240	ug/kg	48
1,1,2,2-Tetrachloroethane	ND	240	ug/kg	96
Tetrachloroethene	**600**	**240**	**ug/kg**	**77**
Toluene	ND	240	ug/kg	58
1,2,3-Trichlorobenzene	ND	240	ug/kg	67
1,2,4-Trichloro-benzene	ND	240	ug/kg	67
1,1,1-Trichloroethane	ND	240	ug/kg	67
1,1,2-Trichloroethane	ND	240	ug/kg	96
Trichloroethene	**170 J**	**240**	**ug/kg**	**58**
Trichlorofluoromethane	ND	480	ug/kg	67
1,2,3-Trichloropropane	ND	240	ug/kg	110
1,1,2-Trichlorotrifluoro-ethane	ND	240	ug/kg	96
1,2,4-Trimethylbenzene	ND	240	ug/kg	67
1,3,5-Trimethylbenzene	ND	240	ug/kg	120
Vinyl chloride	ND	480	ug/kg	140
m-Xylene & p-Xylene	ND	240	ug/kg	160
o-Xylene	ND	240	ug/kg	96
Xylenes (total)	ND	240	ug/kg	160

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(55 - 140)
1,2-Dichloroethane-d4	97	(55 - 140)
Toluene-d8	96	(55 - 140)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU004931

Entact Environmental Services, LLC

Client Sample ID: SB129/39.5-40

General Chemistry

Lot-Sample #...: E6C310315-002 Work Order #...: H2EJF Matrix.....: SO
Date Sampled...: 03/30/06 11:05 Date Received..: 03/31/06 11:30
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	14.6	0.10	%	MCAWW 160.3 MOD	04/10-04/11/06	6100260

Dilution Factor: 1 Analysis Time..: 11:55 Analyst ID.....: 0000647
Instrument ID..: W15 MS Run #.....: 6100157 MDL.....:

NGSC-GLU004932

Entact Environmental Services, LLC

Client Sample ID: SB129/49.5-50

GC/MS Volatiles

Lot-Sample #...: E6C310315-003 Work Order #...: H2EJJ1AC Matrix.....: SO
Date Sampled...: 03/30/06 12:00 Date Received..: 03/31/06 11:30 MS Run #.....:
Prep Date.....: 03/31/06 Analysis Date..: 04/06/06
Prep Batch #...: 6095423 Analysis Time..: 17:44
Dilution Factor: 1.01
% Moisture.....: 6.5 Analyst ID.....: 999998 Instrument ID..: MSP
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	27	ug/kg	11
Benzene	ND	5.4	ug/kg	2.2
Bromobenzene	ND	5.4	ug/kg	2.2
Bromochloromethane	ND	5.4	ug/kg	1.1
Bromoform	ND	5.4	ug/kg	2.2
Bromomethane	ND	11	ug/kg	2.2
2-Butanone	ND	27	ug/kg	16
n-Butylbenzene	ND	5.4	ug/kg	2.2
sec-Butylbenzene	ND	5.4	ug/kg	2.2
tert-Butylbenzene	ND	5.4	ug/kg	2.2
Carbon disulfide	ND	5.4	ug/kg	2.2
Carbon tetrachloride	ND	5.4	ug/kg	1.1
Chlorobenzene	ND	5.4	ug/kg	2.2
Dibromochloromethane	ND	5.4	ug/kg	2.2
Bromodichloromethane	ND	5.4	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.2
Chloroform	ND	5.4	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.2
2-Chlorotoluene	ND	5.4	ug/kg	2.2
4-Chlorotoluene	ND	5.4	ug/kg	2.2
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.2
1,2-Dibromoethane (EDB)	ND	5.4	ug/kg	2.2
Dibromomethane	ND	5.4	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.4	ug/kg	2.2
1,3-Dichlorobenzene	ND	5.4	ug/kg	2.2
1,4-Dichlorobenzene	ND	5.4	ug/kg	2.2
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.4	ug/kg	1.1
1,2-Dichloroethane	ND	5.4	ug/kg	1.1
1,1-Dichloroethene	ND	5.4	ug/kg	2.2
cis-1,2-Dichloroethene	ND	5.4	ug/kg	2.2
trans-1,2-Dichloroethene	ND	5.4	ug/kg	2.2
1,2-Dichloropropane	ND	5.4	ug/kg	1.1
1,3-Dichloropropane	ND	5.4	ug/kg	2.2
2,2-Dichloropropane	ND	5.4	ug/kg	2.2
1,1-Dichloropropene	ND	5.4	ug/kg	1.1

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NGSC-GLU004933

Entact Environmental Services, LLC

Client Sample ID: SB129/49.5-50

GC/MS Volatiles

Lot-Sample #...: E6C310315-003 **Work Order #...:** H2EJJ1AC **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.4	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.4	ug/kg	2.2
Ethylbenzene	ND	5.4	ug/kg	2.2
Hexachlorobutadiene	ND	5.4	ug/kg	2.2
2-Hexanone	ND	27	ug/kg	11
Isopropylbenzene	ND	5.4	ug/kg	2.2
p-Isopropyltoluene	ND	5.4	ug/kg	2.2
Methylene chloride	ND	5.4	ug/kg	2.2
4-Methyl-2-pentanone	ND	27	ug/kg	11
Methyl tert-butyl ether	ND	5.4	ug/kg	1.1
Naphthalene	ND	5.4	ug/kg	2.2
n-Propylbenzene	ND	5.4	ug/kg	2.2
Styrene	ND	11	ug/kg	2.2
1,1,1,2-Tetrachloroethane	ND	5.4	ug/kg	2.2
1,1,2,2-Tetrachloroethane	ND	5.4	ug/kg	2.2
Tetrachloroethene	**5.7**	**5.4**	**ug/kg**	**2.2**
Toluene	ND	5.4	ug/kg	2.2
1,2,3-Trichlorobenzene	ND	5.4	ug/kg	2.2
1,2,4-Trichloro-benzene	ND	5.4	ug/kg	2.2
1,1,1-Trichloroethane	ND	5.4	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.4	ug/kg	2.2
Trichloroethene	**2.8 J**	**5.4**	**ug/kg**	**2.2**
Trichlorofluoromethane	ND	11	ug/kg	2.2
1,2,3-Trichloropropane	ND	5.4	ug/kg	2.2
1,1,2-Trichlorotrifluoro-ethane	ND	5.4	ug/kg	2.2
1,2,4-Trimethylbenzene	ND	5.4	ug/kg	2.2
1,3,5-Trimethylbenzene	ND	5.4	ug/kg	2.2
Vinyl chloride	ND	11	ug/kg	2.2
m-Xylene & p-Xylene	ND	5.4	ug/kg	2.2
o-Xylene	ND	5.4	ug/kg	2.2
Xylenes (total)	ND	5.4	ug/kg	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	92	(60 - 130)
1,2-Dichloroethane-d4	74	(60 - 140)
Toluene-d8	82	(70 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU004934

Entact Environmental Services, LLC

Client Sample ID: SB129/49.5-50

General Chemistry

Lot-Sample #...: E6C310315-003 Work Order #...: H2EJJ Matrix.....: SO
Date Sampled...: 03/30/06 12:00 Date Received..: 03/31/06 11:30
% Moisture.....: 6.5

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	6.5	0.10	%	MCAWW 160.3 MOD	04/10-04/11/06	6100260

Dilution Factor: 1 Analysis Time..: 11:55 Analyst ID.....: 0000647
Instrument ID..: W15 MS Run #.....: 6100157 MDL.....:

NGSC-GLU004935

SEVERN TRENT STL

QA/QC

NGSC-GLU004936

QC DATA ASSOCIATION SUMMARY

E6C310315

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SO	SW846 8260B		6097349	
	SO	MCAWW 160.3 MOD		6100260	6100157
002	SO	SW846 8260B		6097349	
	SO	MCAWW 160.3 MOD		6100260	6100157
003	SO	SW846 8260B		6095423	
	SO	MCAWW 160.3 MOD		6100260	6100157

NGSC-GLU004937

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6C310315 **Work Order #...:** H2NTJ1AA **Matrix.....:** SOLID
MB Lot-Sample #: E6D050000-423

Prep Date.....: 03/31/06 **Analysis Time..:** 13:05
Analysis Date..: 04/04/06 **Prep Batch #...:** 6095423 **Instrument ID..:** MSP
Dilution Factor: 1

Analyst ID.....: 999998

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	25	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	SW846 8260B
Dibromomethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B

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NGSC-GLU004938

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6C310315 **Work Order #...:** H2NTJ1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
Naphthalene	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	5.0	ug/kg	SW846 8260B
o-Xylene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	89	(60 - 130)
1,2-Dichloroethane-d4	74	(60 - 140)
Toluene-d8	82	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NGSC-GLU004939

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6C310315
MB Lot-Sample #: E6D070000-349

Work Order #...: H2T301AA

Matrix.....: SOLID

Prep Date.....: 03/31/06
Prep Batch #...: 6097349

Analysis Time..: 12:21
Instrument ID..: MSP

Analysis Date..: 04/07/06
Dilution Factor: 1

Analyst ID.....: 999998

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	1200	ug/kg	SW846 8260B
Benzene	ND	250	ug/kg	SW846 8260B
Bromobenzene	ND	250	ug/kg	SW846 8260B
Bromochloromethane	ND	250	ug/kg	SW846 8260B
Bromoform	ND	250	ug/kg	SW846 8260B
Bromomethane	ND	500	ug/kg	SW846 8260B
2-Butanone	ND	1200	ug/kg	SW846 8260B
n-Butylbenzene	ND	250	ug/kg	SW846 8260B
sec-Butylbenzene	ND	250	ug/kg	SW846 8260B
tert-Butylbenzene	ND	250	ug/kg	SW846 8260B
Carbon disulfide	ND	250	ug/kg	SW846 8260B
Carbon tetrachloride	ND	250	ug/kg	SW846 8260B
Chlorobenzene	ND	250	ug/kg	SW846 8260B
Dibromochloromethane	ND	250	ug/kg	SW846 8260B
Bromodichloromethane	ND	250	ug/kg	SW846 8260B
Chloroethane	ND	500	ug/kg	SW846 8260B
Chloroform	ND	250	ug/kg	SW846 8260B
Chloromethane	ND	500	ug/kg	SW846 8260B
2-Chlorotoluene	ND	250	ug/kg	SW846 8260B
4-Chlorotoluene	ND	250	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	500	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	250	ug/kg	SW846 8260B
Dibromomethane	ND	250	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	500	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	250	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	250	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	250	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	250	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	250	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	250	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	250	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	250	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	250	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	250	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	250	ug/kg	SW846 8260B
Ethylbenzene	ND	250	ug/kg	SW846 8260B

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NGSC-GLU004940

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6C310315 **Work Order #...:** H2T301AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	250	ug/kg	SW846 8260B
2-Hexanone	ND	1200	ug/kg	SW846 8260B
Isopropylbenzene	ND	250	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	250	ug/kg	SW846 8260B
Methylene chloride	ND	250	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	1200	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	250	ug/kg	SW846 8260B
Naphthalene	ND	250	ug/kg	SW846 8260B
n-Propylbenzene	ND	250	ug/kg	SW846 8260B
Styrene	ND	500	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	250	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	250	ug/kg	SW846 8260B
Tetrachloroethene	ND	250	ug/kg	SW846 8260B
Toluene	ND	250	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	250	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	250	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	250	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	250	ug/kg	SW846 8260B
Trichloroethene	ND	250	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	500	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	250	ug/kg	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	250	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	250	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	250	ug/kg	SW846 8260B
Vinyl chloride	ND	500	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	250	ug/kg	SW846 8260B
o-Xylene	ND	250	ug/kg	SW846 8260B
Xylenes (total)	ND	250	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	112	(55 - 140)
1,2-Dichloroethane-d4	106	(55 - 140)
Toluene-d8	110	(55 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NGSC-GLU004941

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6C310315 **Work Order #...:** H2NTJ1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: E6D050000-423 H2NTJ1AD-LCSD
Prep Date.....: 03/31/06 **Analysis Date..:** 04/04/06
Prep Batch #...: 6095423 **Analysis Time..:** 11:33
Dilution Factor: 1 **Instrument ID..:** MSP
Analyst ID.....: 999998

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**95**	**(70 - 130)**			**SW846 8260B**
	91	**(70 - 130)**	**5.0**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**100**	**(70 - 130)**			**SW846 8260B**
	97	**(70 - 130)**	**2.7**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethene	**82**	**(65 - 150)**			**SW846 8260B**
	77	**(65 - 150)**	**5.9**	**(0-30)**	**SW846 8260B**
Toluene	**98**	**(70 - 130)**			**SW846 8260B**
	95	**(70 - 130)**	**2.3**	**(0-30)**	**SW846 8260B**
Trichloroethene	**105**	**(70 - 135)**			**SW846 8260B**
	101	**(70 - 135)**	**4.3**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	86	(60 - 130)
	85	(60 - 130)
1,2-Dichloroethane-d4	74	(60 - 140)
	71	(60 - 140)
Toluene-d8	83	(60 - 130)
	83	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU004942

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6C310315
LCS Lot-Sample#: E6D050000-423
Prep Date.....: 03/31/06
Prep Batch #...: 6095423
Dilution Factor: 1
Analyst ID.....: 999998

Work Order #...: H2NTJ1AC-LCS
H2NTJ1AD-LCSD
Analysis Date..: 04/04/06
Analysis Time..: 11:33
Instrument ID..: MSP

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**50.0**	**47.7**	**ug/kg**	**95**		**SW846 8260B**
	50.0	**45.4**	**ug/kg**	**91**	**5.0**	**SW846 8260B**
Chlorobenzene	**50.0**	**50.0**	**ug/kg**	**100**		**SW846 8260B**
	50.0	**48.7**	**ug/kg**	**97**	**2.7**	**SW846 8260B**
1,1-Dichloroethene	**50.0**	**40.8**	**ug/kg**	**82**		**SW846 8260B**
	50.0	**38.5**	**ug/kg**	**77**	**5.9**	**SW846 8260B**
Toluene	**50.0**	**48.8**	**ug/kg**	**98**		**SW846 8260B**
	50.0	**47.7**	**ug/kg**	**95**	**2.3**	**SW846 8260B**
Trichloroethene	**50.0**	**52.7**	**ug/kg**	**105**		**SW846 8260B**
	50.0	**50.5**	**ug/kg**	**101**	**4.3**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	86	(60 - 130)
	85	(60 - 130)
1,2-Dichloroethane-d4	74	(60 - 140)
	71	(60 - 140)
Toluene-d8	83	(60 - 130)
	83	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
Bold print denotes control parameters

NGSC-GLU004943

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6C310315
LCS Lot-Sample#: E6D070000-349
Prep Date.....: 03/31/06
Prep Batch #...: 6097349
Dilution Factor: 1
Analyst ID.....: 999998

Work Order #...: H2T301AC-LCS
H2T301AD-LCSD
Analysis Date..: 04/07/06
Analysis Time..: 11:13
Instrument ID..: MSP

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**98**	**(60 - 135)**			**SW846 8260B**
	97	**(60 - 135)**	**0.61**	**(0-35)**	**SW846 8260B**
Chlorobenzene	**101**	**(60 - 125)**			**SW846 8260B**
	101	**(60 - 125)**	**0.51**	**(0-35)**	**SW846 8260B**
1,1-Dichloroethene	**108**	**(55 - 130)**			**SW846 8260B**
	121	**(55 - 130)**	**12**	**(0-35)**	**SW846 8260B**
Toluene	**102**	**(60 - 125)**			**SW846 8260B**
	103	**(60 - 125)**	**1.7**	**(0-35)**	**SW846 8260B**
Trichloroethene	**102**	**(60 - 140)**			**SW846 8260B**
	103	**(60 - 140)**	**0.66**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(55 - 140)
	99	(55 - 140)
1,2-Dichloroethane-d4	99	(55 - 140)
	97	(55 - 140)
Toluene-d8	104	(55 - 140)
	103	(55 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU004944

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6C310315
LCS Lot-Sample#: E6D070000-349
Prep Date.....: 03/31/06
Prep Batch #...: 6097349
Dilution Factor: 1
Analyst ID.....: 999998

Work Order #...: H2T301AC-LCS
H2T301AD-LCSD
Analysis Date..: 04/07/06
Analysis Time..: 11:13
Instrument ID..: MSP

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**2500**	**2450**	**ug/kg**	**98**		**SW846 8260B**
	2500	**2430**	**ug/kg**	**97**	**0.61**	**SW846 8260B**
Chlorobenzene	**2500**	**2520**	**ug/kg**	**101**		**SW846 8260B**
	2500	**2530**	**ug/kg**	**101**	**0.51**	**SW846 8260B**
1,1-Dichloroethene	**2500**	**2700**	**ug/kg**	**108**		**SW846 8260B**
	2500	**3040**	**ug/kg**	**121**	**12**	**SW846 8260B**
Toluene	**2500**	**2540**	**ug/kg**	**102**		**SW846 8260B**
	2500	**2580**	**ug/kg**	**103**	**1.7**	**SW846 8260B**
Trichloroethene	**2500**	**2560**	**ug/kg**	**102**		**SW846 8260B**
	2500	**2580**	**ug/kg**	**103**	**0.66**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(55 - 140)
	99	(55 - 140)
1,2-Dichloroethane-d4	99	(55 - 140)
	97	(55 - 140)
Toluene-d8	104	(55 - 140)
	103	(55 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
Bold print denotes control parameters

NGSC-GLU004945

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: E6C310315 **Work Order #...:** H2EJC-SMP **Matrix.....:** SO
H2EJC-DUP

Date Sampled...: 03/30/06 10:50 **Date Received..:** 03/31/06 11:30

% Moisture.....: 21

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	E6C310315-001	
	20.9	21.5	%	2.8	(0-10)	MCAWW 160.3 MOD	04/10-04/11/06	6100260

Dilution Factor: 1 Analysis Time..: 11:55 Analyst ID.....: 000064

Instrument ID..: W15 MS Run Number..: 6100157

NGSC-GLU004946

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

April 7, 2006

STL LOT NUMBER: E6C310326
NELAP Certification Number: 01118CA/E87652

Jennifer Alexander
Entact Environmental Services,
3129 Bass Pro Drive
Grapevine, TX 76051

Dear Ms. Alexander,

This report contains the analytical results for the six samples received under chain of custody by STL Los Angeles on March 31, 2006. These samples are associated with your Johnson Controls, Fullerton CA project.

All applicable quality control procedures met method-specified acceptance criteria except as noted on the following page. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. See Project Receipt Checklist for container temperature and conditions. Temperature reading between 2 to 6 degrees Celsius is considered within acceptable criteria. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. The case narrative is an integral part of the report. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at (714) 258-8610 extension 325.

Sincerely,

Diane Suzuki
Project Manager

CC: Project File

000034

Page 1 of _____ total pages in this report.

[redacted]

Severn Trent Laboratories, Inc.

NGSC-GLU004947

LOT NUMBER E6C310326

Nonconformance 05-16129

Affected Samples:
E6C310326 (1): SB130/4.5-5
E6C310326 (2): SB130/9.5-10
E6C310326 (3): SB130/19.5-20
E6C310326 (4): SB130/29.5-30
E6C310326 (5): SB130/39.5-40
E6C310326 (6): SB130/49.5-50

Affected Methods:
8260B/5035

Case Narrative:
There was insufficient sample volume provided to prepare a project-specific MS/MSD. A duplicate LCS has been prepared to provide accuracy and precision measurement for the samples in this project.

NGSC-GLU004948

E6C310326

CHAIN OF CUSTODY RECORD

E6C310326

SAMPLE TYPE:
- ☐ Treated Stockpile
- ☐ Untreated Stockpile
- ☐ Excavation Verification
- ☐ Air
- ☐ Groundwater
- ☒ Other SOIL

ENTACT

☐ **CHICAGO OFFICE**
1010 EXECUTIVE COURT
SUITE 280
WESTMONT, IL 60559
630.986.2900
630.986.0653 f

☑ **DALLAS OFFICE**
4040 WEST ROYAL LANE
SUITE 136
IRVING, TX 75063
972.580.1323
972.550.7464 f

"Safety keeps you ENTACT"

PROJECT INFORMATION

NAME ENTACT - JCI FULLERTON
JOB NUMBER C1613
LOCATION FULLERTON, CA
PHONE 972-580.1323
CONTACT JENNIFER ALEXANDER
EMAIL

REQUIRED TURNAROUND
- X Standard
- ☐ 5 Day
- ☐ 3 Day
- ☐ 48 Hour
- ☐ 24 Hour

DETECTION LIMIT CRITERIA

COMMENTS

SAMPLE NUMBER	DESCRIPTION	DATE	TIME	MATRIX	GRAB	COMPOSITE	HCL	HNO3	ENCORE	NONE	ICE	FLOW RATE	TUNG. SPEC.	TOTAL	NUMBER OF CONTAINERS SUPPLIED FOR EACH SAMPLE	VOC 8260B	MOISTURE %								FILTERED Y / N FIELD / LAB ___ MICRON FILTER
	SB130/4.5-5	3-30-06	15:30	S	✓				✓		✓				4	✓	✓								
	SB130/9.5-10	↓	15:40	S	✓				✓		✓				4	✓	✓								
	SB130/19.5-20		15:50	S	✓				✓		✓				4	✓	✓								
	SB130/29.5-30		16:10	S	✓				✓		✓				4	✓	✓								
	SB130/39.5-40		16:30	S	✓				✓		✓				4	✓	✓								
	SB130/49.5-50	↓	17:15	S	✓				✓		✓				4	✓	✓								

SHIPPING METHOD: AIRBILL NO: SAMPLER: LAB NAME:

RELINQUISHED BY	DATE	RELINQUISHED BY	DATE	RELINQUISHED BY	DATE	LAB JOB ID
SIGNATURE: [signature]	3-31-06	SIGNATURE: Vince Padilla	3/30/06	SIGNATURE:		
PRINTED NAME: GREG RAINWATER	TIME 6:00	PRINTED NAME: Vince Padilla	TIME 1145	PRINTED NAME:	TIME	
RECEIVED BY	DATE	**RECEIVED BY**	DATE	**RECEIVED BY**	DATE	TEMPERATURE UPON RECEIPT
SIGNATURE: Vince Padilla	3/31/06	SIGNATURE: [signature]	3/31/06	SIGNATURE:		
PRINTED NAME: Vince Padilla	TIME 1130	PRINTED NAME: Steve Gonzales	TIME 1130	PRINTED NAME:	TIME	

MEDIA: S - Soil W - Water A - Air DISTRIBUTION: White Copy - To Customer w/Report Pink Copy - To Job File Yellow Copy - To Lab

3

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 3/31/06

Single Cooler Only

LIMS Lot #: E6C310326 Quote #: 68587

Client Name: Entact Project: JCI Fullerton

Received by: SG Date/Time Received: 3/31/06 1130

Delivered by : ☐ Client ☒ STL ☐ DHL ☐ Fed Ex ☐ UPS ☐ Other

****

	Initial / Date
Custody Seal Status Cooler: ☐ Intact ☐ Broken ☒ None	SG 3/31/06
Custody Seal Status Samples: ☐ Intact ☐ Broken ☒ None	
Custody Seal #(s): N/A ☒ No Seal #	
Sampler Signature on COC ☐ Yes ☐ No ☒ N/A	
IR Gun # A Correction Factor -.5 °C IR passed daily verification ☒ Yes ☐ No	
Temperature - BLANK 4.5 °C - .5 CF = 4.0 °C ...Cooler #1 ID N/A	
Temperature – COOLER (°C °C °C °C) = avg °C - .5 CF = °C	
Samples outside temperature criteria but received within 6 hours of final sampling. ☐ Yes ☒ N/A	
Sample Container(s): ☒ STL-LA ☐ Client	
pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒ N/A	
Anomalies: ☒ No ☐ Yes – complete CUR and Create NCM	
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ Yes ☐ No	
Labeled by: SG	

****

Turn Around Time: ☐ RUSH–24HR ☐ RUSH–48HR ☐ RUSH–72HR ☒ NORMAL SG 3/31/06

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐ YES ☒ N/A SG 3/31/06

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

NGSC-GLU004950

LIMS Lot # E6C310326

PROJECT RECEIPT CHECKLIST Cont'd

Fraction	1-6													
VOAH														
2oz (Gl)	1													
5gE	2													
25gE	1													

3/31/06

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore
AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☐YES ☒N/A 3/31/06

- COOLERS
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- TEMPERATURE (SPECS 4 ± 2°C)
  - ☐ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- CONTAINERS
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- SAMPLES
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
- CUSTODY SEALS (COOLER(S)
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- CONTAINER(S)
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- CHAIN OF CUSTODY (COC)
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other ☐ COC not received – notify PM
- LABELS
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- ☐ Will be noted on COC--Client to send samples with new COC
- ☐ Mislabeled as to tests, preservatives, etc.
- ☐ Holding time expired – list sample ID and test
- ☐ Improper container used
- ☐ Not preserved/Improper preservative used
- ☐ Improper pH _____ Lab to preserve sample and document
- ☐ Insufficient quantities for analysis ☐ Other

Comments:

☐ Corrective Action Implemented:
☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____
☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: Logged in by other STL ☐ ____ PM Review/Date:

3-31-06 3/31/06

E6C310326

5

NGSC-GLU004951

SEVERN TRENT STL

Analytical Report

NGSC-GLU004952

EXECUTIVE SUMMARY - Detection Highlights

E6C310326

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SB130/4.5-5 03/30/06 15:30 001				
Tetrachloroethene	57	5.6	ug/kg	SW846 8260B
Trichloroethene	4.7 J	5.6	ug/kg	SW846 8260B
Percent Moisture	21.7	0.10	%	MCAWW 160.3 MOD
SB130/9.5-10 03/30/06 15:40 002				
Tetrachloroethene	130	4.8	ug/kg	SW846 8260B
Trichloroethene	8.0	4.8	ug/kg	SW846 8260B
Percent Moisture	15.0	0.10	%	MCAWW 160.3 MOD
SB130/19.5-20 03/30/06 15:50 003				
Tetrachloroethene	140	4.9	ug/kg	SW846 8260B
Trichloroethene	6.9	4.9	ug/kg	SW846 8260B
Percent Moisture	14.8	0.10	%	MCAWW 160.3 MOD
SB130/29.5-30 03/30/06 16:10 004				
1,1-Dichloroethene	10	5.3	ug/kg	SW846 8260B
Tetrachloroethene	270	5.3	ug/kg	SW846 8260B
Trichloroethene	13	5.3	ug/kg	SW846 8260B
Percent Moisture	19.1	0.10	%	MCAWW 160.3 MOD
SB130/39.5-40 03/30/06 16:30 005				
1,1-Dichloroethene	16	5.0	ug/kg	SW846 8260B
Tetrachloroethene	220	5.0	ug/kg	SW846 8260B
Trichloroethene	8.9	5.0	ug/kg	SW846 8260B
Percent Moisture	16.6	0.10	%	MCAWW 160.3 MOD
SB130/49.5-50 03/30/06 17:15 006				
Tetrachloroethene	3.2 J	5.7	ug/kg	SW846 8260B
Percent Moisture	7.8	0.10	%	MCAWW 160.3 MOD

NGSC-GLU004953

METHODS SUMMARY

E6C310326

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5035

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

NGSC-GLU004954

SAMPLE SUMMARY

E6C310326

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H2EJ6	001	SB130/4.5-5	03/30/06	15:30
H2EJ7	002	SB130/9.5-10	03/30/06	15:40
H2EJ8	003	SB130/19.5-20	03/30/06	15:50
H2EJ9	004	SB130/29.5-30	03/30/06	16:10
H2EKA	005	SB130/39.5-40	03/30/06	16:30
H2EKC	006	SB130/49.5-50	03/30/06	17:15

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

NGSC-GLU004955

Entact Environmental Services, LLC

Client Sample ID: SB130/4.5-5

GC/MS Volatiles

Lot-Sample #...:	E6C310326-001	**Work Order #...:**	H2EJ61AD	**Matrix.....:**	SO
Date Sampled...:	03/30/06 15:30	**Date Received..:**	03/31/06 11:45	**MS Run #.....:**	
Prep Date.....:	03/31/06	**Analysis Date..:**	04/04/06		
Prep Batch #...:	6095423	**Analysis Time..:**	13:51		
Dilution Factor:	0.87				
% Moisture.....:	22	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	28	ug/kg	11
Benzene	ND	5.6	ug/kg	2.2
Bromobenzene	ND	5.6	ug/kg	2.2
Bromochloromethane	ND	5.6	ug/kg	1.1
Bromoform	ND	5.6	ug/kg	2.2
Bromomethane	ND	11	ug/kg	2.2
2-Butanone	ND	28	ug/kg	17
n-Butylbenzene	ND	5.6	ug/kg	2.2
sec-Butylbenzene	ND	5.6	ug/kg	2.2
tert-Butylbenzene	ND	5.6	ug/kg	2.2
Carbon disulfide	ND	5.6	ug/kg	2.2
Carbon tetrachloride	ND	5.6	ug/kg	1.1
Chlorobenzene	ND	5.6	ug/kg	2.2
Dibromochloromethane	ND	5.6	ug/kg	2.2
Bromodichloromethane	ND	5.6	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.2
Chloroform	ND	5.6	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.3
2-Chlorotoluene	ND	5.6	ug/kg	2.2
4-Chlorotoluene	ND	5.6	ug/kg	2.2
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.3
1,2-Dibromoethane (EDB)	ND	5.6	ug/kg	2.2
Dibromomethane	ND	5.6	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.6	ug/kg	2.2
1,3-Dichlorobenzene	ND	5.6	ug/kg	2.2
1,4-Dichlorobenzene	ND	5.6	ug/kg	2.2
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.6	ug/kg	1.1
1,2-Dichloroethane	ND	5.6	ug/kg	1.1
1,1-Dichloroethene	ND	5.6	ug/kg	2.2
cis-1,2-Dichloroethene	ND	5.6	ug/kg	2.2
trans-1,2-Dichloroethene	ND	5.6	ug/kg	2.2
1,2-Dichloropropane	ND	5.6	ug/kg	1.1
1,3-Dichloropropane	ND	5.6	ug/kg	2.2
2,2-Dichloropropane	ND	5.6	ug/kg	2.2
1,1-Dichloropropene	ND	5.6	ug/kg	1.1

(Continued on next page)

NGSC-GLU004956

Entact Environmental Services, LLC

Client Sample ID: SB130/4.5-5

GC/MS Volatiles

Lot-Sample #...: E6C310326-001 **Work Order #...:** H2EJ61AD **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.6	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.6	ug/kg	2.2
Ethylbenzene	ND	5.6	ug/kg	2.2
Hexachlorobutadiene	ND	5.6	ug/kg	2.2
2-Hexanone	ND	28	ug/kg	11
Isopropylbenzene	ND	5.6	ug/kg	2.2
p-Isopropyltoluene	ND	5.6	ug/kg	2.2
Methylene chloride	ND	5.6	ug/kg	2.2
4-Methyl-2-pentanone	ND	28	ug/kg	11
Methyl tert-butyl ether	ND	5.6	ug/kg	1.1
Naphthalene	ND	5.6	ug/kg	2.2
n-Propylbenzene	ND	5.6	ug/kg	2.2
Styrene	ND	11	ug/kg	2.2
1,1,1,2-Tetrachloroethane	ND	5.6	ug/kg	2.2
1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg	2.2
Tetrachloroethene	**57**	**5.6**	**ug/kg**	**2.2**
Toluene	ND	5.6	ug/kg	2.2
1,2,3-Trichlorobenzene	ND	5.6	ug/kg	2.2
1,2,4-Trichloro-benzene	ND	5.6	ug/kg	2.2
1,1,1-Trichloroethane	ND	5.6	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.6	ug/kg	2.2
Trichloroethene	**4.7 J**	**5.6**	**ug/kg**	**2.2**
Trichlorofluoromethane	ND	11	ug/kg	2.2
1,2,3-Trichloropropane	ND	5.6	ug/kg	2.2
1,1,2-Trichlorotrifluoro-ethane	ND	5.6	ug/kg	2.2
1,2,4-Trimethylbenzene	ND	5.6	ug/kg	2.2
1,3,5-Trimethylbenzene	ND	5.6	ug/kg	2.2
Vinyl chloride	ND	11	ug/kg	2.2
m-Xylene & p-Xylene	ND	5.6	ug/kg	2.2
o-Xylene	ND	5.6	ug/kg	2.2
Xylenes (total)	ND	5.6	ug/kg	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	92	(60 - 130)
1,2-Dichloroethane-d4	77	(60 - 140)
Toluene-d8	81	(70 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU004957

Entact Environmental Services, LLC

Client Sample ID: SB130/4.5-5

General Chemistry

Lot-Sample #...: E6C310326-001 Work Order #...: H2EJ6 Matrix.....: SO
Date Sampled...: 03/30/06 15:30 Date Received..: 03/31/06 11:45
% Moisture.....: 22

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	21.7	0.10	%	MCAWW 160.3 MOD	04/03-04/04/06	6093336

Dilution Factor: 1 Analysis Time..: 11:35 Analyst ID.....: 000064
Instrument ID..: W15 MS Run #.....: 6093214 MDL.....:

NGSC-GLU004958

Entact Environmental Services, LLC

Client Sample ID: SB130/9.5-10

GC/MS Volatiles

Lot-Sample #...:	E6C310326-002	Work Order #...:	H2EJ71AD	Matrix.....:	SO
Date Sampled...:	03/30/06 15:40	Date Received..:	03/31/06 11:45	MS Run #.....:	
Prep Date.....:	03/31/06	Analysis Date..:	04/04/06		
Prep Batch #...:	6095423	Analysis Time..:	14:13		
Dilution Factor:	0.81				
% Moisture.....:	15	Analyst ID.....:	999998	Instrument ID..:	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	24	ug/kg	9.5
Benzene	ND	4.8	ug/kg	1.9
Bromobenzene	ND	4.8	ug/kg	1.9
Bromochloromethane	ND	4.8	ug/kg	0.95
Bromoform	ND	4.8	ug/kg	1.9
Bromomethane	ND	9.5	ug/kg	1.9
2-Butanone	ND	24	ug/kg	14
n-Butylbenzene	ND	4.8	ug/kg	1.9
sec-Butylbenzene	ND	4.8	ug/kg	1.9
tert-Butylbenzene	ND	4.8	ug/kg	1.9
Carbon disulfide	ND	4.8	ug/kg	1.9
Carbon tetrachloride	ND	4.8	ug/kg	0.95
Chlorobenzene	ND	4.8	ug/kg	1.9
Dibromochloromethane	ND	4.8	ug/kg	1.9
Bromodichloromethane	ND	4.8	ug/kg	0.95
Chloroethane	ND	9.5	ug/kg	1.9
Chloroform	ND	4.8	ug/kg	0.95
Chloromethane	ND	9.5	ug/kg	2.9
2-Chlorotoluene	ND	4.8	ug/kg	1.9
4-Chlorotoluene	ND	4.8	ug/kg	1.9
1,2-Dibromo-3-chloro-propane	ND	9.5	ug/kg	2.9
1,2-Dibromoethane (EDB)	ND	4.8	ug/kg	1.9
Dibromomethane	ND	4.8	ug/kg	0.95
1,2-Dichlorobenzene	ND	4.8	ug/kg	1.9
1,3-Dichlorobenzene	ND	4.8	ug/kg	1.9
1,4-Dichlorobenzene	ND	4.8	ug/kg	1.9
Dichlorodifluoromethane	ND	9.5	ug/kg	0.95
1,1-Dichloroethane	ND	4.8	ug/kg	0.95
1,2-Dichloroethane	ND	4.8	ug/kg	0.95
1,1-Dichloroethene	ND	4.8	ug/kg	1.9
cis-1,2-Dichloroethene	ND	4.8	ug/kg	1.9
trans-1,2-Dichloroethene	ND	4.8	ug/kg	1.9
1,2-Dichloropropane	ND	4.8	ug/kg	0.95
1,3-Dichloropropane	ND	4.8	ug/kg	1.9
2,2-Dichloropropane	ND	4.8	ug/kg	1.9
1,1-Dichloropropene	ND	4.8	ug/kg	0.95

(Continued on next page)

NGSC-GLU004959

Entact Environmental Services, LLC

Client Sample ID: SB130/9.5-10

GC/MS Volatiles

Lot-Sample #...: E6C310326-002 **Work Order #...:** H2EJ71AD **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	4.8	ug/kg	0.95
trans-1,3-Dichloropropene	ND	4.8	ug/kg	1.9
Ethylbenzene	ND	4.8	ug/kg	1.9
Hexachlorobutadiene	ND	4.8	ug/kg	1.9
2-Hexanone	ND	24	ug/kg	9.5
Isopropylbenzene	ND	4.8	ug/kg	1.9
p-Isopropyltoluene	ND	4.8	ug/kg	1.9
Methylene chloride	ND	4.8	ug/kg	1.9
4-Methyl-2-pentanone	ND	24	ug/kg	9.5
Methyl tert-butyl ether	ND	4.8	ug/kg	0.95
Naphthalene	ND	4.8	ug/kg	1.9
n-Propylbenzene	ND	4.8	ug/kg	1.9
Styrene	ND	9.5	ug/kg	1.9
1,1,1,2-Tetrachloroethane	ND	4.8	ug/kg	1.9
1,1,2,2-Tetrachloroethane	ND	4.8	ug/kg	1.9
Tetrachloroethene	**130**	**4.8**	**ug/kg**	**1.9**
Toluene	ND	4.8	ug/kg	1.9
1,2,3-Trichlorobenzene	ND	4.8	ug/kg	1.9
1,2,4-Trichloro-benzene	ND	4.8	ug/kg	1.9
1,1,1-Trichloroethane	ND	4.8	ug/kg	0.95
1,1,2-Trichloroethane	ND	4.8	ug/kg	1.9
Trichloroethene	**8.0**	**4.8**	**ug/kg**	**1.9**
Trichlorofluoromethane	ND	9.5	ug/kg	1.9
1,2,3-Trichloropropane	ND	4.8	ug/kg	1.9
1,1,2-Trichlorotrifluoro-ethane	ND	4.8	ug/kg	1.9
1,2,4-Trimethylbenzene	ND	4.8	ug/kg	1.9
1,3,5-Trimethylbenzene	ND	4.8	ug/kg	1.9
Vinyl chloride	ND	9.5	ug/kg	1.9
m-Xylene & p-Xylene	ND	4.8	ug/kg	1.9
o-Xylene	ND	4.8	ug/kg	1.9
Xylenes (total)	ND	4.8	ug/kg	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(60 - 130)
1,2-Dichloroethane-d4	74	(60 - 140)
Toluene-d8	84	(70 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU004960

Entact Environmental Services, LLC

Client Sample ID: SB130/9.5-10

General Chemistry

Lot-Sample #...: E6C310326-002 Work Order #...: H2BJ7 Matrix.....: SO
Date Sampled...: 03/30/06 15:40 Date Received..: 03/31/06 11:45
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	15.0	0.10	%	MCAWW 160.3 MOD	04/03-04/04/06	6093336

Dilution Factor: 1 Analysis Time..: 11:35 Analyst ID.....: 0000644
Instrument ID..: W15 MS Run #.....: 6093214 MDL.....:

NGSC-GLU004961

Entact Environmental Services, LLC

Client Sample ID: SB130/19.5-20

GC/MS Volatiles

Lot-Sample #...:	E6C310326-003	Work Order #...:	H2EJ81AD	Matrix.....:	SO
Date Sampled...:	03/30/06 15:50	Date Received..:	03/31/06 11:45	MS Run #.....:	
Prep Date.....:	03/31/06	Analysis Date..:	04/04/06		
Prep Batch #...:	6095423	Analysis Time..:	14:36		
Dilution Factor:	0.84				
% Moisture.....:	15	Analyst ID.....:	999998	Instrument ID..:	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	9.9
Benzene	ND	4.9	ug/kg	2.0
Bromobenzene	ND	4.9	ug/kg	2.0
Bromochloromethane	ND	4.9	ug/kg	0.99
Bromoform	ND	4.9	ug/kg	2.0
Bromomethane	ND	9.9	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	4.9	ug/kg	2.0
sec-Butylbenzene	ND	4.9	ug/kg	2.0
tert-Butylbenzene	ND	4.9	ug/kg	2.0
Carbon disulfide	ND	4.9	ug/kg	2.0
Carbon tetrachloride	ND	4.9	ug/kg	0.99
Chlorobenzene	ND	4.9	ug/kg	2.0
Dibromochloromethane	ND	4.9	ug/kg	2.0
Bromodichloromethane	ND	4.9	ug/kg	0.99
Chloroethane	ND	9.9	ug/kg	2.0
Chloroform	ND	4.9	ug/kg	0.99
Chloromethane	ND	9.9	ug/kg	3.0
2-Chlorotoluene	ND	4.9	ug/kg	2.0
4-Chlorotoluene	ND	4.9	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	9.9	ug/kg	3.0
1,2-Dibromoethane (EDB)	ND	4.9	ug/kg	2.0
Dibromomethane	ND	4.9	ug/kg	0.99
1,2-Dichlorobenzene	ND	4.9	ug/kg	2.0
1,3-Dichlorobenzene	ND	4.9	ug/kg	2.0
1,4-Dichlorobenzene	ND	4.9	ug/kg	2.0
Dichlorodifluoromethane	ND	9.9	ug/kg	0.99
1,1-Dichloroethane	ND	4.9	ug/kg	0.99
1,2-Dichloroethane	ND	4.9	ug/kg	0.99
1,1-Dichloroethene	ND	4.9	ug/kg	2.0
cis-1,2-Dichloroethene	ND	4.9	ug/kg	2.0
trans-1,2-Dichloroethene	ND	4.9	ug/kg	2.0
1,2-Dichloropropane	ND	4.9	ug/kg	0.99
1,3-Dichloropropane	ND	4.9	ug/kg	2.0
2,2-Dichloropropane	ND	4.9	ug/kg	2.0
1,1-Dichloropropene	ND	4.9	ug/kg	0.99

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NGSC-GLU004962

Entact Environmental Services, LLC

Client Sample ID: SB130/19.5-20

GC/MS Volatiles

Lot-Sample #...: E6C310326-003 **Work Order #...:** H2EJ81AD **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	4.9	ug/kg	0.99
trans-1,3-Dichloropropene	ND	4.9	ug/kg	2.0
Ethylbenzene	ND	4.9	ug/kg	2.0
Hexachlorobutadiene	ND	4.9	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	9.9
Isopropylbenzene	ND	4.9	ug/kg	2.0
p-Isopropyltoluene	ND	4.9	ug/kg	2.0
Methylene chloride	ND	4.9	ug/kg	2.0
4-Methyl-2-pentanone	ND	25	ug/kg	9.9
Methyl tert-butyl ether	ND	4.9	ug/kg	0.99
Naphthalene	ND	4.9	ug/kg	2.0
n-Propylbenzene	ND	4.9	ug/kg	2.0
Styrene	ND	9.9	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	4.9	ug/kg	2.0
1,1,2,2-Tetrachloroethane	ND	4.9	ug/kg	2.0
Tetrachloroethene	**140**	**4.9**	**ug/kg**	**2.0**
Toluene	ND	4.9	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	4.9	ug/kg	2.0
1,2,4-Trichloro-benzene	ND	4.9	ug/kg	2.0
1,1,1-Trichloroethane	ND	4.9	ug/kg	0.99
1,1,2-Trichloroethane	ND	4.9	ug/kg	2.0
Trichloroethene	**6.9**	**4.9**	**ug/kg**	**2.0**
Trichlorofluoromethane	ND	9.9	ug/kg	2.0
1,2,3-Trichloropropane	ND	4.9	ug/kg	2.0
1,1,2-Trichlorotrifluoro-ethane	ND	4.9	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	4.9	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	4.9	ug/kg	2.0
Vinyl chloride	ND	9.9	ug/kg	2.0
m-Xylene & p-Xylene	ND	4.9	ug/kg	2.0
o-Xylene	ND	4.9	ug/kg	2.0
Xylenes (total)	ND	4.9	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(60 - 130)
1,2-Dichloroethane-d4	76	(60 - 140)
Toluene-d8	83	(70 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU004963

Entact Environmental Services, LLC

Client Sample ID: SB130/19.5-20

General Chemistry

Lot-Sample #...: E6C310326-003 Work Order #...: H2EJ8 Matrix.....: SO
Date Sampled...: 03/30/06 15:50 Date Received..: 03/31/06 11:45
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	14.8	0.10	%	MCAWW 160.3 MOD	04/03-04/04/06	6093336

Dilution Factor: 1 Analysis Time..: 11:35 Analyst ID.....: 0000644
Instrument ID..: W15 MS Run #.....: 6093214 MDL.....:

NGSC-GLU004964

Entact Environmental Services, LLC

Client Sample ID: SB130/29.5-30

GC/MS Volatiles

Lot-Sample #...:	E6C310326-004	**Work Order #...:**	H2EJ91AD	**Matrix.....:**	SO
Date Sampled...:	03/30/06 16:10	**Date Received..:**	03/31/06 11:45	**MS Run #.....:**	
Prep Date.....:	03/31/06	**Analysis Date..:**	04/04/06		
Prep Batch #...:	6095423	**Analysis Time..:**	14:58		
Dilution Factor:	0.86				
% Moisture.....:	19	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	27	ug/kg	11
Benzene	ND	5.3	ug/kg	2.1
Bromobenzene	ND	5.3	ug/kg	2.1
Bromochloromethane	ND	5.3	ug/kg	1.1
Bromoform	ND	5.3	ug/kg	2.1
Bromomethane	ND	11	ug/kg	2.1
2-Butanone	ND	27	ug/kg	16
n-Butylbenzene	ND	5.3	ug/kg	2.1
sec-Butylbenzene	ND	5.3	ug/kg	2.1
tert-Butylbenzene	ND	5.3	ug/kg	2.1
Carbon disulfide	ND	5.3	ug/kg	2.1
Carbon tetrachloride	ND	5.3	ug/kg	1.1
Chlorobenzene	ND	5.3	ug/kg	2.1
Dibromochloromethane	ND	5.3	ug/kg	2.1
Bromodichloromethane	ND	5.3	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.1
Chloroform	ND	5.3	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.2
2-Chlorotoluene	ND	5.3	ug/kg	2.1
4-Chlorotoluene	ND	5.3	ug/kg	2.1
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.2
1,2-Dibromoethane (EDB)	ND	5.3	ug/kg	2.1
Dibromomethane	ND	5.3	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,3-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,4-Dichlorobenzene	ND	5.3	ug/kg	2.1
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.3	ug/kg	1.1
1,2-Dichloroethane	ND	5.3	ug/kg	1.1
1,1-Dichloroethene	**10**	**5.3**	**ug/kg**	**2.1**
cis-1,2-Dichloroethene	ND	5.3	ug/kg	2.1
trans-1,2-Dichloroethene	ND	5.3	ug/kg	2.1
1,2-Dichloropropane	ND	5.3	ug/kg	1.1
1,3-Dichloropropane	ND	5.3	ug/kg	2.1
2,2-Dichloropropane	ND	5.3	ug/kg	2.1
1,1-Dichloropropene	ND	5.3	ug/kg	1.1

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NGSC-GLU004965

Entact Environmental Services, LLC

Client Sample ID: SB130/29.5-30

GC/MS Volatiles

Lot-Sample #...: E6C310326-004 **Work Order #...:** H2EJ91AD **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.3	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.3	ug/kg	2.1
Ethylbenzene	ND	5.3	ug/kg	2.1
Hexachlorobutadiene	ND	5.3	ug/kg	2.1
2-Hexanone	ND	27	ug/kg	11
Isopropylbenzene	ND	5.3	ug/kg	2.1
p-Isopropyltoluene	ND	5.3	ug/kg	2.1
Methylene chloride	ND	5.3	ug/kg	2.1
4-Methyl-2-pentanone	ND	27	ug/kg	11
Methyl tert-butyl ether	ND	5.3	ug/kg	1.1
Naphthalene	ND	5.3	ug/kg	2.1
n-Propylbenzene	ND	5.3	ug/kg	2.1
Styrene	ND	11	ug/kg	2.1
1,1,1,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
1,1,2,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
Tetrachloroethene	**270**	**5.3**	**ug/kg**	**2.1**
Toluene	ND	5.3	ug/kg	2.1
1,2,3-Trichlorobenzene	ND	5.3	ug/kg	2.1
1,2,4-Trichloro-benzene	ND	5.3	ug/kg	2.1
1,1,1-Trichloroethane	ND	5.3	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.3	ug/kg	2.1
Trichloroethene	**13**	**5.3**	**ug/kg**	**2.1**
Trichlorofluoromethane	ND	11	ug/kg	2.1
1,2,3-Trichloropropane	ND	5.3	ug/kg	2.1
1,1,2-Trichlorotrifluoro-ethane	ND	5.3	ug/kg	2.1
1,2,4-Trimethylbenzene	ND	5.3	ug/kg	2.1
1,3,5-Trimethylbenzene	ND	5.3	ug/kg	2.1
Vinyl chloride	ND	11	ug/kg	2.1
m-Xylene & p-Xylene	ND	5.3	ug/kg	2.1
o-Xylene	ND	5.3	ug/kg	2.1
Xylenes (total)	ND	5.3	ug/kg	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(60 - 130)
1,2-Dichloroethane-d4	73	(60 - 140)
Toluene-d8	83	(70 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU004966

Entact Environmental Services, LLC

Client Sample ID: SB130/29.5-30

General Chemistry

Lot-Sample #...: E6C310326-004 Work Order #...: H2EJ9 Matrix.....: SO
Date Sampled...: 03/30/06 16:10 Date Received..: 03/31/06 11:45
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	19.1	0.10	%	MCAWW 160.3 MOD	04/03-04/04/06	6093336

Dilution Factor: 1 Analysis Time..: 11:35 Analyst ID.....: 0000644
Instrument ID..: W15 MS Run #.....: 6093214 MDL.....:

NGSC-GLU004967

Entact Environmental Services, LLC

Client Sample ID: SB130/39.5-40

GC/MS Volatiles

Lot-Sample #...:	E6C310326-005	**Work Order #...:**	H2EKA1AD	**Matrix.....:**	SO
Date Sampled...:	03/30/06 16:30	**Date Received..:**	03/31/06 11:45	**MS Run #.....:**	
Prep Date.....:	03/31/06	**Analysis Date..:**	04/04/06		
Prep Batch #...:	6095423	**Analysis Time..:**	15:21		
Dilution Factor:	0.83				
% Moisture.....:	17	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	10
Benzene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
Bromochloromethane	ND	5.0	ug/kg	1.0
Bromoform	ND	5.0	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
Carbon disulfide	ND	5.0	ug/kg	2.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Dibromochloromethane	ND	5.0	ug/kg	2.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
Chloroethane	ND	10	ug/kg	2.0
Chloroform	ND	5.0	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	2.0
Dibromomethane	ND	5.0	ug/kg	1.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloroethene	**16**	**5.0**	**ug/kg**	**2.0**
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
1,3-Dichloropropane	ND	5.0	ug/kg	2.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0

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NGSC-GLU004968

Entact Environmental Services, LLC

Client Sample ID: SB130/39.5-40

GC/MS Volatiles

Lot-Sample #...: E6C310326-005 Work Order #...: H2EKA1AD Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	2.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
Naphthalene	ND	5.0	ug/kg	2.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
Styrene	ND	10	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	2.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	2.0
Tetrachloroethene	**220**	**5.0**	**ug/kg**	**2.0**
Toluene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
1,2,4-Trichlorobenzene	ND	5.0	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	2.0
Trichloroethene	**8.9**	**5.0**	**ug/kg**	**2.0**
Trichlorofluoromethane	ND	10	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	2.0
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
Vinyl chloride	ND	10	ug/kg	2.0
m-Xylene & p-Xylene	ND	5.0	ug/kg	2.0
o-Xylene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	91	(60 - 130)
1,2-Dichloroethane-d4	77	(60 - 140)
Toluene-d8	83	(70 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU004969

Entact Environmental Services, LLC

Client Sample ID: SB130/39.5-40

General Chemistry

Lot-Sample #...: E6C310326-005 Work Order #...: H2EKA Matrix.....: SO
Date Sampled...: 03/30/06 16:30 Date Received..: 03/31/06 11:45
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	16.6	0.10	%	MCAWW 160.3 MOD	04/03-04/04/06	6093336

Dilution Factor: 1 Analysis Time..: 11:35 Analyst ID.....: 0000644
Instrument ID..: W15 MS Run #.....: 6093214 MDL.....:

NGSC-GLU004970

Entact Environmental Services, LLC

Client Sample ID: SB130/49.5-50

GC/MS Volatiles

Lot-Sample #...: E6C310326-006 Work Order #...: H2EKC1AD Matrix.....: SO
Date Sampled...: 03/30/06 17:15 Date Received..: 03/31/06 11:45 MS Run #.....:
Prep Date.....: 03/31/06 Analysis Date..: 04/04/06
Prep Batch #...: 6095423 Analysis Time..: 15:44
Dilution Factor: 1.05
% Moisture.....: 7.8 Analyst ID.....: 999998 Instrument ID..: MSP
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	28	ug/kg	11
Benzene	ND	5.7	ug/kg	2.3
Bromobenzene	ND	5.7	ug/kg	2.3
Bromochloromethane	ND	5.7	ug/kg	1.1
Bromoform	ND	5.7	ug/kg	2.3
Bromomethane	ND	11	ug/kg	2.3
2-Butanone	ND	28	ug/kg	17
n-Butylbenzene	ND	5.7	ug/kg	2.3
sec-Butylbenzene	ND	5.7	ug/kg	2.3
tert-Butylbenzene	ND	5.7	ug/kg	2.3
Carbon disulfide	ND	5.7	ug/kg	2.3
Carbon tetrachloride	ND	5.7	ug/kg	1.1
Chlorobenzene	ND	5.7	ug/kg	2.3
Dibromochloromethane	ND	5.7	ug/kg	2.3
Bromodichloromethane	ND	5.7	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.3
Chloroform	ND	5.7	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.4
2-Chlorotoluene	ND	5.7	ug/kg	2.3
4-Chlorotoluene	ND	5.7	ug/kg	2.3
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.4
1,2-Dibromoethane (EDB)	ND	5.7	ug/kg	2.3
Dibromomethane	ND	5.7	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.7	ug/kg	2.3
1,3-Dichlorobenzene	ND	5.7	ug/kg	2.3
1,4-Dichlorobenzene	ND	5.7	ug/kg	2.3
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.7	ug/kg	1.1
1,2-Dichloroethane	ND	5.7	ug/kg	1.1
1,1-Dichloroethene	ND	5.7	ug/kg	2.3
cis-1,2-Dichloroethene	ND	5.7	ug/kg	2.3
trans-1,2-Dichloroethene	ND	5.7	ug/kg	2.3
1,2-Dichloropropane	ND	5.7	ug/kg	1.1
1,3-Dichloropropane	ND	5.7	ug/kg	2.3
2,2-Dichloropropane	ND	5.7	ug/kg	2.3
1,1-Dichloropropene	ND	5.7	ug/kg	1.1

(Continued on next page)

NGSC-GLU004971

Entact Environmental Services, LLC

Client Sample ID: SB130/49.5-50

GC/MS Volatiles

Lot-Sample #...: E6C310326-006 **Work Order #...:** H2EKC1AD **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.7	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.7	ug/kg	2.3
Ethylbenzene	ND	5.7	ug/kg	2.3
Hexachlorobutadiene	ND	5.7	ug/kg	2.3
2-Hexanone	ND	28	ug/kg	11
Isopropylbenzene	ND	5.7	ug/kg	2.3
p-Isopropyltoluene	ND	5.7	ug/kg	2.3
Methylene chloride	ND	5.7	ug/kg	2.3
4-Methyl-2-pentanone	ND	28	ug/kg	11
Methyl tert-butyl ether	ND	5.7	ug/kg	1.1
Naphthalene	ND	5.7	ug/kg	2.3
n-Propylbenzene	ND	5.7	ug/kg	2.3
Styrene	ND	11	ug/kg	2.3
1,1,1,2-Tetrachloroethane	ND	5.7	ug/kg	2.3
1,1,2,2-Tetrachloroethane	ND	5.7	ug/kg	2.3
Tetrachloroethene	**3.2 J**	**5.7**	**ug/kg**	**2.3**
Toluene	ND	5.7	ug/kg	2.3
1,2,3-Trichlorobenzene	ND	5.7	ug/kg	2.3
1,2,4-Trichloro-benzene	ND	5.7	ug/kg	2.3
1,1,1-Trichloroethane	ND	5.7	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.7	ug/kg	2.3
Trichloroethene	ND	5.7	ug/kg	2.3
Trichlorofluoromethane	ND	11	ug/kg	2.3
1,2,3-Trichloropropane	ND	5.7	ug/kg	2.3
1,1,2-Trichlorotrifluoro-ethane	ND	5.7	ug/kg	2.3
1,2,4-Trimethylbenzene	ND	5.7	ug/kg	2.3
1,3,5-Trimethylbenzene	ND	5.7	ug/kg	2.3
Vinyl chloride	ND	11	ug/kg	2.3
m-Xylene & p-Xylene	ND	5.7	ug/kg	2.3
o-Xylene	ND	5.7	ug/kg	2.3
Xylenes (total)	ND	5.7	ug/kg	2.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	90	(60 - 130)
1,2-Dichloroethane-d4	77	(60 - 140)
Toluene-d8	83	(70 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU004972

Entact Environmental Services, LLC

Client Sample ID: SB130/49.5-50

General Chemistry

Lot-Sample #...: E6C310326-006 Work Order #...: H2EKC Matrix.....: SO
Date Sampled...: 03/30/06 17:15 Date Received..: 03/31/06 11:45
% Moisture.....: 7.8

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	7.8	0.10	%	MCAWW 160.3 MOD	04/03-04/04/06	6093336
		Dilution Factor: 1		Analysis Time..: 11:35	Analyst ID.....: 0000644	
		Instrument ID..: W15		MS Run #.....: 6093214	MDL.....:	

NGSC-GLU004973

SEVERN TRENT STL

QA/QC

NGSC-GLU004974

QC DATA ASSOCIATION SUMMARY

E6C310326

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SO	SW846 8260B		6095423	
	SO	MCAWW 160.3 MOD		6093336	6093214
002	SO	SW846 8260B		6095423	
	SO	MCAWW 160.3 MOD		6093336	6093214
003	SO	SW846 8260B		6095423	
	SO	MCAWW 160.3 MOD		6093336	6093214
004	SO	SW846 8260B		6095423	
	SO	MCAWW 160.3 MOD		6093336	6093214
005	SO	SW846 8260B		6095423	
	SO	MCAWW 160.3 MOD		6093336	6093214
006	SO	SW846 8260B		6095423	
	SO	MCAWW 160.3 MOD		6093336	6093214

NGSC-GLU004975

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6C310326
MB Lot-Sample #: E6D050000-423

Work Order #...: H2NTJ1AA

Matrix.....: SOLID

Prep Date.....: 03/31/06

Analysis Time..: 13:05

Analysis Date..: 04/04/06

Prep Batch #...: 6095423

Instrument ID..: MSP

Dilution Factor: 1

Analyst ID.....: 999998

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	25	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	SW846 8260B
Dibromomethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B

(Continued on next page)

NGSC-GLU004976

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6C310326 **Work Order #...:** H2NTJ1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
Naphthalene	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	5.0	ug/kg	SW846 8260B
o-Xylene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	89	(60 - 130)
1,2-Dichloroethane-d4	74	(60 - 140)
Toluene-d8	82	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NGSC-GLU004977

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6C310326
LCS Lot-Sample#: E6D050000-423
Prep Date.....: 03/31/06
Prep Batch #...: 6095423
Dilution Factor: 1
Analyst ID.....: 999998

Work Order #...: H2NTJ1AC-LCS
H2NTJ1AD-LCSD
Analysis Date..: 04/04/06
Analysis Time..: 11:33
Instrument ID..: MSP

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**95**	**(70 - 130)**			**SW846 8260B**
	91	**(70 - 130)**	**5.0**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**100**	**(70 - 130)**			**SW846 8260B**
	97	**(70 - 130)**	**2.7**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethene	**82**	**(65 - 150)**			**SW846 8260B**
	77	**(65 - 150)**	**5.9**	**(0-30)**	**SW846 8260B**
Toluene	**98**	**(70 - 130)**			**SW846 8260B**
	95	**(70 - 130)**	**2.3**	**(0-30)**	**SW846 8260B**
Trichloroethene	**105**	**(70 - 135)**			**SW846 8260B**
	101	**(70 - 135)**	**4.3**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	86	(60 - 130)
	85	(60 - 130)
1,2-Dichloroethane-d4	74	(60 - 140)
	71	(60 - 140)
Toluene-d8	83	(60 - 130)
	83	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU004978

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6C310326
LCS Lot-Sample#: E6D050000-423
Prep Date.....: 03/31/06
Prep Batch #...: 6095423
Dilution Factor: 1
Analyst ID.....: 999998

Work Order #...: H2NTJ1AC-LCS
H2NTJ1AD-LCSD
Analysis Date..: 04/04/06
Analysis Time..: 11:33
Instrument ID..: MSP

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	50.0	47.7	ug/kg	95		SW846 8260B
	50.0	45.4	ug/kg	91	5.0	SW846 8260B
Chlorobenzene	50.0	50.0	ug/kg	100		SW846 8260B
	50.0	48.7	ug/kg	97	2.7	SW846 8260B
1,1-Dichloroethene	50.0	40.8	ug/kg	82		SW846 8260B
	50.0	38.5	ug/kg	77	5.9	SW846 8260B
Toluene	50.0	48.8	ug/kg	98		SW846 8260B
	50.0	47.7	ug/kg	95	2.3	SW846 8260B
Trichloroethene	50.0	52.7	ug/kg	105		SW846 8260B
	50.0	50.5	ug/kg	101	4.3	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	86	(60 - 130)
	85	(60 - 130)
1,2-Dichloroethane-d4	74	(60 - 140)
	71	(60 - 140)
Toluene-d8	83	(60 - 130)
	83	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU004979

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: E6C310326 **Work Order #...:** H2EAH-SMP H2EAH-DUP **Matrix.....:** SOLID

Date Sampled...: 03/30/06 10:00 **Date Received..:** 03/31/06 11:30

% Moisture.....: 22

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	E6C310281-001	
	22.0	21.5	%	2.3	(0-10)	MCAWW 160.3 MOD	04/03-04/04/06	6093336

Dilution Factor: 1 Analysis Time..: 11:35 Analyst ID.....: 000064

Instrument ID..: W15 MS Run Number..: 6093214

NGSC-GLU004980

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

April 6, 2006

STL LOT NUMBER: E6C310288
NELAP Certification Number: 01118CA/E87652

Jennifer Alexander
Entact Environmental Services,
3129 Bass Pro Drive
Grapevine, TX 76051

Dear Ms. Alexander,

This report contains the analytical results for the three samples received under chain of custody by STL Los Angeles on March 31, 2006. These samples are associated with your Johnson Controls, Fullerton CA project.

All applicable quality control procedures met method-specified acceptance criteria except as noted on the following page. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. See Project Receipt Checklist for container temperature and conditions. Temperature reading between 2 to 6 degrees Celsius is considered within acceptable criteria. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. The case narrative is an integral part of the report. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at (714) 258-8610 extension 325.

Sincerely,

Diane Suzuki
Project Manager

CC: Project File

Page 1 of 000028 total pages in this report.

LOT NUMBER E6C310288

Nonconformance 05-16084

Affected Samples:
E6C310288 (1): SB130/59.5-60
E6C310288 (2): SB130/69.5-70
E6C310288 (3): SB130/79.5-80

Affected Methods:
160.3 MOD, 8260B

Case Narrative:
The collection date for the samples were listed on the Chain of Custody as 03/31/06 evening times, however, the samples were relinquished in the AM of 03/31/06. A corrected COC was received on 04/03/06 and included with this report.

NGSC-GLU004982

E6C310288

CHAIN OF CUSTODY RECORD

E6C310288

SAMPLE TYPE:
- ☐ Treated Stockpile
- ☐ Untreated Stockpile
- ☐ Excavation Verification
- ☐ Air _____
- ☐ Groundwater
- ☒ Other SOIL

ENTACT

☐ **CHICAGO OFFICE**
1010 EXECUTIVE COURT
SUITE 280
WESTMONT, IL 60559
630.986.2900
630.986.0653 f

☑ **DALLAS OFFICE**
4040 WEST ROYAL LANE
SUITE 136
IRVING, TX 75063
972.580.1323
972.550.7464 f

"Safety keeps you ENTACT"

PROJECT INFORMATION

NAME ENTACT - JCI FULLERTON
JOB NUMBER C16 13
LOCATION FULLERTON, CA
PHONE 972-580-1323
CONTACT JENNIFER ALEXANDER
EMAIL

REQUIRED TURNAROUND
- ☐ Standard
- ☐ 5 Day
- ☒ 3 Day
- ☐ 48 Hour
- ☐ 24 Hour

DETECTION LIMIT CRITERIA

SAMPLE NUMBER	SAMPLE DESCRIPTION	DATE	TIME	TYPE: MATRIX	TYPE: GRAB	TYPE: COMPOSITE	PRESERVATIVE: HCL	PRESERVATIVE: HNO3	PRESERVATIVE: ENCORE	PRESERVATIVE: NONE	PRESERVATIVE: ICE	AIR: TEN RATE (ml)	AIR: TRACTIME (ml)	AIR: VOLUME	NUMBER OF CONTAINERS SUPPLIED FOR EACH SAMPLE	ANALYSES / METHOD: VOC 8260B	ANALYSES / METHOD: MOISTURE %	FILTERED Y / N FIELD / LAB ___ MICRON FILTER	COMMENTS
	SB130/59.5-60	3-31-06	17:30	S	✓				✓		✓				4	✓	✓		
	SB130/69.5-70	↓	18:10	S	✓				✓		✓				4	✓	✓		
	SB130/79.5-80	↓	18:25	S	✓				✓		✓				4	✓	✓		

SHIPPING METHOD:

RELINQUISHED BY:	DATE
SIGNATURE: [signature]	3-31-06
PRINTED NAME: GREG RAINWATER	TIME 6:00
RECEIVED BY:	DATE
SIGNATURE: Vince Padilla	3/31/06
PRINTED NAME: Vince Padilla	TIME 1130

AIRBILL NO:

RELINQUISHED BY:	DATE
SIGNATURE: Vince Padilla	3/31/06
PRINTED NAME: Vince Padilla	TIME 1145
RECEIVED BY:	DATE
SIGNATURE: [signature]	3/31/06
PRINTED NAME: Steve Gonzales	TIME 1130

SAMPLER:

RELINQUISHED BY:	DATE
SIGNATURE:	
PRINTED NAME:	TIME
RECEIVED BY:	DATE
SIGNATURE:	
PRINTED NAME:	TIME

LAB NAME:

LAB JOB ID:

TEMPERATURE UPON RECEIPT:

MEDIA: S - Soil W - Water A - Air DISTRIBUTION: White Copy - To Customer w/Report Pink Copy - To Job File Yellow Copy - To Lab

3

NGSC-GLU004983

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 3/31/06

Single Cooler Only

LIMS Lot #: E6C310288 Quote #: 68553

Client Name: Entrix Project: JCI Fullerton

Received by: SG Date/Time Received: 3/31/06 1130

Delivered by : ☐ Client ☒ STL ☐ DHL ☐ Fed Ex ☐ UPS ☐ Other

****

	Initial / Date
Custody Seal Status Cooler: ☐ Intact ☐ Broken ☒ None	SG 3/31/06
Custody Seal Status Samples: ☐ Intact ☐ Broken ☒ None	
Custody Seal #(s): N/A ☒ No Seal #	
Sampler Signature on COC ☐ Yes ☐ No ☒ N/A	
IR Gun # A Correction Factor -.5 °C IR passed daily verification ☒ Yes ☐ No	
Temperature - BLANK 4.5 °C - .5 CF = 4.0 °C Cooler #1 ID N/A	
Temperature – COOLER (°C °C °C °C) = avg °C - .5 CF = °C	
Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒ N/A	
Sample Container(s): ☐ STL-LA ☒ Client	
pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒ N/A	
Anomalies: ☒ No ☐ Yes – complete CUR and Create NCM 3-31-06 KR	
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ Yes 3-31-06 KR ☐ No	
Labeled by: SG	

****

Turn Around Time: ☐ RUSH–24HR ☐ RUSH–48HR ☒ RUSH–72HR ☐ NORMAL SG 3/31/06

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐ YES ☒ N/A SG 3/31/06

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

NGSC-GLU004984

LIMS Lot # E6C310288

PROJECT RECEIPT CHECKLIST Cont'd

Fraction	1-3													
VOAH														
25g E	1													
5g E	2													
2oz CGJ	1													

3/31/06

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☑ YES ☐ N/A 3-31-06 3/31/06

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☐ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- **CONTAINERS**
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
- **CUSTODY SEALS (COOLER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CONTAINER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other ☐ COC not received – notify PM
- **LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- ☐ Will be noted on COC--Client to send samples with new COC
- ☐ Mislabeled as to tests, preservatives, etc.
- ☐ Holding time expired – list sample ID and test
- ☐ Improper container used
- ☐ Not preserved/Improper preservative used
- ☐ Improper pH _____ Lab to preserve sample and document
- ☐ Insufficient quantities for analysis ☐ Other

Comments:

The date sampled is "3-31-06", but that is not possible since the samples arrived 3-31-06 and before the sample times

☐ Corrective Action Implemented:

☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____

☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: Logged in by other STL ☐ ___ Albert Vargas 3-31-06

PM Review/Date: 3/31/06

NGSC-GLU004985

B6C310288

CHAIN OF CUSTODY RECORD

B6C310288

SAMPLE TYPE:
- ☐ Treated Stockpile
- ☐ Untreated Stockpile
- ☐ Excavation Verification
- ☐ Air _____
- ☐ Groundwater
- ☒ Other SOIL

ENTACT

☐ **CHICAGO OFFICE**
1010 EXECUTIVE COURT
SUITE 280
WESTMONT, IL 60559
630.986.2900
630.986.0653 f

☑ **DALLAS OFFICE**
4040 WEST ROYAL LANE
SUITE 136
IRVING, TX 75063
972.580.1323
972.550.7464 f

"Safety keeps you ENTACT"

PROJECT INFORMATION

NAME ENTACT - JCI FULLERTON
LOCATION FULLERTON, CA
CONTACT JENNIFER ALEXANDER
JOB NUMBER C613
PHONE 972-580-1323
EMAIL

REQUIRED TURNAROUND
- ☐ Standard
- ☐ 5 Day
- ☒ 3 Day
- ☐ 48 Hour
- ☐ 24 Hour

DETECTION LIMIT CRITERIA

COMMENTS

SAMPLE NUMBER	SAMPLE DESCRIPTION	DATE	TIME	TYPE: MATRIX	GRAB	COMPOSITE	PRESERVATIVE: HCL	HNO3	ENCORE	NONE	ICE	AIR			NUMBER OF CONTAINERS SUPPLIED FOR EACH SAMPLE	ANALYSES / METHOD: VOC 8260B	MOISTURE %	FILTERED Y / N	FIELD / LAB	MICRON FILTER	COMMENTS
	SB130/59.5-60	3.30.06	17:30	S	✓				✓		✓				4	✓	✓				
	SB130/69.5-70	↓	18:10	S	✓				✓		✓				4	✓	✓				
	SB130/79.5-80	↓	18:25	S	✓				✓		✓				4	✓	✓				

SHIPPING METHOD:

AIRBILL NO:

SAMPLER:

LAB NAME:

RELINQUISHED BY	DATE	RECEIVED BY	DATE	RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE:	3.31.06	SIGNATURE: Vince Padilla	3/31/06	SIGNATURE:		SIGNATURE:	
PRINTED NAME: RODEE RAINWATER	TIME: 6:00	PRINTED NAME: Vince PADILLA	TIME: 1145	PRINTED NAME:	TIME:	PRINTED NAME:	TIME:
SIGNATURE: Vince Padilla	3/31/06	SIGNATURE: Steve Gonzales	3/31/06	SIGNATURE:		SIGNATURE:	
PRINTED NAME: Vince PADILLA	TIME: 1130	PRINTED NAME: Steve Gonzales	TIME: 1130	PRINTED NAME:	TIME:	PRINTED NAME:	TIME:

MEDIA: S - Soil W - Water A - Air DISTRIBUTION: White Copy - To Customer w/Report Pink Copy - To Job File Yellow Copy - To Lab

SEVERN TRENT STL

Analytical Report

E6C310288

NGSC-GLU004987

EXECUTIVE SUMMARY - Detection Highlights

E6C310288

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SB130/59.5-60 03/30/06 17:30 001				
Percent Moisture	4.7	0.10	%	MCAWW 160.3 MOD
SB130/69.5-70 03/30/06 18:10 002				
1,1-Dichloroethene	9.0	5.9	ug/kg	SW846 8260B
Tetrachloroethene	89	5.9	ug/kg	SW846 8260B
Trichloroethene	6.3	5.9	ug/kg	SW846 8260B
Percent Moisture	16.7	0.10	%	MCAWW 160.3 MOD
SB130/79.5-80 03/30/06 18:25 003				
Tetrachloroethene	29	5.1	ug/kg	SW846 8260B
Percent Moisture	12.5	0.10	%	MCAWW 160.3 MOD

NGSC-GLU004988

METHODS SUMMARY

E6C310288

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5035

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

NGSC-GLU004989

SAMPLE SUMMARY

E6C310288

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H2EC6	001	SB130/59.5-60	03/30/06	17:30
H2EDP	002	SB130/69.5-70	03/30/06	18:10
H2EDR	003	SB130/79.5-80	03/30/06	18:25

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

NGSC-GLU004990

Entact Environmental Services, LLC

Client Sample ID: SB130/59.5-60

GC/MS Volatiles

Lot-Sample #...:	E6C310288-001	Work Order #...:	H2EC61AA	Matrix.....:	SO
Date Sampled...:	03/30/06 17:30	Date Received..:	03/31/06 11:30	MS Run #.....:	6095107
Prep Date.....:	03/31/06	Analysis Date..:	03/31/06		
Prep Batch #...:	6095186	Analysis Time..:	17:30		
Dilution Factor:	0.99				
% Moisture.....:	4.7	Analyst ID.....:	999998	Instrument ID..:	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	26	ug/kg	10
Benzene	ND	5.2	ug/kg	2.1
Bromobenzene	ND	5.2	ug/kg	2.1
Bromochloromethane	ND	5.2	ug/kg	1.0
Bromoform	ND	5.2	ug/kg	2.1
Bromomethane	ND	10	ug/kg	2.1
2-Butanone	ND	26	ug/kg	16
n-Butylbenzene	ND	5.2	ug/kg	2.1
sec-Butylbenzene	ND	5.2	ug/kg	2.1
tert-Butylbenzene	ND	5.2	ug/kg	2.1
Carbon disulfide	ND	5.2	ug/kg	2.1
Carbon tetrachloride	ND	5.2	ug/kg	1.0
Chlorobenzene	ND	5.2	ug/kg	2.1
Dibromochloromethane	ND	5.2	ug/kg	2.1
Bromodichloromethane	ND	5.2	ug/kg	1.0
Chloroethane	ND	10	ug/kg	2.1
Chloroform	ND	5.2	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.1
2-Chlorotoluene	ND	5.2	ug/kg	2.1
4-Chlorotoluene	ND	5.2	ug/kg	2.1
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.1
1,2-Dibromoethane (EDB)	ND	5.2	ug/kg	2.1
Dibromomethane	ND	5.2	ug/kg	1.0
1,2-Dichlorobenzene	ND	5.2	ug/kg	2.1
1,3-Dichlorobenzene	ND	5.2	ug/kg	2.1
1,4-Dichlorobenzene	ND	5.2	ug/kg	2.1
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.2	ug/kg	1.0
1,2-Dichloroethane	ND	5.2	ug/kg	1.0
1,1-Dichloroethene	ND	5.2	ug/kg	2.1
cis-1,2-Dichloroethene	ND	5.2	ug/kg	2.1
trans-1,2-Dichloroethene	ND	5.2	ug/kg	2.1
1,2-Dichloropropane	ND	5.2	ug/kg	1.0
1,3-Dichloropropane	ND	5.2	ug/kg	2.1
2,2-Dichloropropane	ND	5.2	ug/kg	2.1
1,1-Dichloropropene	ND	5.2	ug/kg	1.0

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NGSC-GLU004991

Entact Environmental Services, LLC

Client Sample ID: SB130/59.5-60

GC/MS Volatiles

Lot-Sample #...: E6C310288-001 Work Order #...: H2EC61AA Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.2	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.2	ug/kg	2.1
Ethylbenzene	ND	5.2	ug/kg	2.1
Hexachlorobutadiene	ND	5.2	ug/kg	2.1
2-Hexanone	ND	26	ug/kg	10
Isopropylbenzene	ND	5.2	ug/kg	2.1
p-Isopropyltoluene	ND	5.2	ug/kg	2.1
Methylene chloride	ND	5.2	ug/kg	2.1
4-Methyl-2-pentanone	ND	26	ug/kg	10
Methyl tert-butyl ether	ND	5.2	ug/kg	1.0
Naphthalene	ND	5.2	ug/kg	2.1
n-Propylbenzene	ND	5.2	ug/kg	2.1
Styrene	ND	10	ug/kg	2.1
1,1,1,2-Tetrachloroethane	ND	5.2	ug/kg	2.1
1,1,2,2-Tetrachloroethane	ND	5.2	ug/kg	2.1
Tetrachloroethene	ND	5.2	ug/kg	2.1
Toluene	ND	5.2	ug/kg	2.1
1,2,3-Trichlorobenzene	ND	5.2	ug/kg	2.1
1,2,4-Trichloro-benzene	ND	5.2	ug/kg	2.1
1,1,1-Trichloroethane	ND	5.2	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.2	ug/kg	2.1
Trichloroethene	ND	5.2	ug/kg	2.1
Trichlorofluoromethane	ND	10	ug/kg	2.1
1,2,3-Trichloropropane	ND	5.2	ug/kg	2.1
1,1,2-Trichlorotrifluoro-ethane	ND	5.2	ug/kg	2.1
1,2,4-Trimethylbenzene	ND	5.2	ug/kg	2.1
1,3,5-Trimethylbenzene	ND	5.2	ug/kg	2.1
Vinyl chloride	ND	10	ug/kg	2.1
m-Xylene & p-Xylene	ND	5.2	ug/kg	2.1
o-Xylene	ND	5.2	ug/kg	2.1
Xylenes (total)	ND	5.2	ug/kg	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(60 - 130)
1,2-Dichloroethane-d4	81	(60 - 140)
Toluene-d8	82	(70 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU004992

Entact Environmental Services, LLC

Client Sample ID: SB130/59.5-60

General Chemistry

Lot-Sample #...: E6C310288-001 **Work Order #...:** H2EC6 **Matrix.....:** SO
Date Sampled...: 03/30/06 17:30 **Date Received..:** 03/31/06 11:30
% Moisture.....: 4.7

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**4.7**	**0.10**	**%**	**MCAWW 160.3 MOD**	**04/03-04/04/06**	**6093336**
		Dilution Factor: 1		Analysis Time..: 11:35	Analyst ID.....: 000064	
		Instrument ID..: W15		MS Run #.....: 6093214	MDL.....:	

NGSC-GLU004993

Entact Environmental Services, LLC

Client Sample ID: SB130/69.5-70

GC/MS Volatiles

Lot-Sample #...:	E6C310288-002	**Work Order #...:**	H2EDP1AA	**Matrix.....:**	SO
Date Sampled...:	03/30/06 18:10	**Date Received..:**	03/31/06 11:30	**MS Run #.....:**	6095107
Prep Date.....:	03/31/06	**Analysis Date..:**	03/31/06		
Prep Batch #...:	6095186	**Analysis Time..:**	17:52		
Dilution Factor:	0.99				
% Moisture.....:	17	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	30	ug/kg	12
Benzene	ND	5.9	ug/kg	2.4
Bromobenzene	ND	5.9	ug/kg	2.4
Bromochloromethane	ND	5.9	ug/kg	1.2
Bromoform	ND	5.9	ug/kg	2.4
Bromomethane	ND	12	ug/kg	2.4
2-Butanone	ND	30	ug/kg	18
n-Butylbenzene	ND	5.9	ug/kg	2.4
sec-Butylbenzene	ND	5.9	ug/kg	2.4
tert-Butylbenzene	ND	5.9	ug/kg	2.4
Carbon disulfide	ND	5.9	ug/kg	2.4
Carbon tetrachloride	ND	5.9	ug/kg	1.2
Chlorobenzene	ND	5.9	ug/kg	2.4
Dibromochloromethane	ND	5.9	ug/kg	2.4
Bromodichloromethane	ND	5.9	ug/kg	1.2
Chloroethane	ND	12	ug/kg	2.4
Chloroform	ND	5.9	ug/kg	1.2
Chloromethane	ND	12	ug/kg	3.6
2-Chlorotoluene	ND	5.9	ug/kg	2.4
4-Chlorotoluene	ND	5.9	ug/kg	2.4
1,2-Dibromo-3-chloro-propane	ND	12	ug/kg	3.6
1,2-Dibromoethane (EDB)	ND	5.9	ug/kg	2.4
Dibromomethane	ND	5.9	ug/kg	1.2
1,2-Dichlorobenzene	ND	5.9	ug/kg	2.4
1,3-Dichlorobenzene	ND	5.9	ug/kg	2.4
1,4-Dichlorobenzene	ND	5.9	ug/kg	2.4
Dichlorodifluoromethane	ND	12	ug/kg	1.2
1,1-Dichloroethane	ND	5.9	ug/kg	1.2
1,2-Dichloroethane	ND	5.9	ug/kg	1.2
1,1-Dichloroethene	**9.0**	**5.9**	**ug/kg**	**2.4**
cis-1,2-Dichloroethene	ND	5.9	ug/kg	2.4
trans-1,2-Dichloroethene	ND	5.9	ug/kg	2.4
1,2-Dichloropropane	ND	5.9	ug/kg	1.2
1,3-Dichloropropane	ND	5.9	ug/kg	2.4
2,2-Dichloropropane	ND	5.9	ug/kg	2.4
1,1-Dichloropropene	ND	5.9	ug/kg	1.2

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NGSC-GLU004994

Entact Environmental Services, LLC

Client Sample ID: SB130/69.5-70

GC/MS Volatiles

Lot-Sample #...: E6C310288-002 **Work Order #...:** H2EDP1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.9	ug/kg	1.2
trans-1,3-Dichloropropene	ND	5.9	ug/kg	2.4
Ethylbenzene	ND	5.9	ug/kg	2.4
Hexachlorobutadiene	ND	5.9	ug/kg	2.4
2-Hexanone	ND	30	ug/kg	12
Isopropylbenzene	ND	5.9	ug/kg	2.4
p-Isopropyltoluene	ND	5.9	ug/kg	2.4
Methylene chloride	ND	5.9	ug/kg	2.4
4-Methyl-2-pentanone	ND	30	ug/kg	12
Methyl tert-butyl ether	ND	5.9	ug/kg	1.2
Naphthalene	ND	5.9	ug/kg	2.4
n-Propylbenzene	ND	5.9	ug/kg	2.4
Styrene	ND	12	ug/kg	2.4
1,1,1,2-Tetrachloroethane	ND	5.9	ug/kg	2.4
1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg	2.4
Tetrachloroethene	**89**	**5.9**	**ug/kg**	**2.4**
Toluene	ND	5.9	ug/kg	2.4
1,2,3-Trichlorobenzene	ND	5.9	ug/kg	2.4
1,2,4-Trichloro-benzene	ND	5.9	ug/kg	2.4
1,1,1-Trichloroethane	ND	5.9	ug/kg	1.2
1,1,2-Trichloroethane	ND	5.9	ug/kg	2.4
Trichloroethene	**6.3**	**5.9**	**ug/kg**	**2.4**
Trichlorofluoromethane	ND	12	ug/kg	2.4
1,2,3-Trichloropropane	ND	5.9	ug/kg	2.4
1,1,2-Trichlorotrifluoro-ethane	ND	5.9	ug/kg	2.4
1,2,4-Trimethylbenzene	ND	5.9	ug/kg	2.4
1,3,5-Trimethylbenzene	ND	5.9	ug/kg	2.4
Vinyl chloride	ND	12	ug/kg	2.4
m-Xylene & p-Xylene	ND	5.9	ug/kg	2.4
o-Xylene	ND	5.9	ug/kg	2.4
Xylenes (total)	ND	5.9	ug/kg	2.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	91	(60 - 130)
1,2-Dichloroethane-d4	77	(60 - 140)
Toluene-d8	85	(70 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU004995

Entact Environmental Services, LLC

Client Sample ID: SB130/69.5-70

General Chemistry

Lot-Sample #...: E6C310288-002 **Work Order #...:** H2EDP **Matrix.....:** SO
Date Sampled...: 03/30/06 18:10 **Date Received..:** 03/31/06 11:30
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**16.7**	**0.10**	**%**	**MCAWW 160.3 MOD**	**04/03-04/04/06**	**6093336**
	Dilution Factor: 1			Analysis Time..: 11:35	Analyst ID.....: 0000644	
	Instrument ID..: W15			MS Run #.....: 6093214	MDL.....:	

NGSC-GLU004996

Entact Environmental Services, LLC

Client Sample ID: SB130/79.5-80

GC/MS Volatiles

Lot-Sample #...:	E6C310288-003	Work Order #...:	H2EDR1AA	Matrix.....:	SO
Date Sampled...:	03/30/06 18:25	Date Received..:	03/31/06 11:30	MS Run #.....:	6095107
Prep Date.....:	03/31/06	Analysis Date..:	04/04/06		
Prep Batch #...:	6095186	Analysis Time..:	13:28		
Dilution Factor:	0.89				
% Moisture.....:	12	Analyst ID.....:	999998	Instrument ID..:	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	10
Benzene	ND	5.1	ug/kg	2.0
Bromobenzene	ND	5.1	ug/kg	2.0
Bromochloromethane	ND	5.1	ug/kg	1.0
Bromoform	ND	5.1	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	5.1	ug/kg	2.0
sec-Butylbenzene	ND	5.1	ug/kg	2.0
tert-Butylbenzene	ND	5.1	ug/kg	2.0
Carbon disulfide	ND	5.1	ug/kg	2.0
Carbon tetrachloride	ND	5.1	ug/kg	1.0
Chlorobenzene	ND	5.1	ug/kg	2.0
Dibromochloromethane	ND	5.1	ug/kg	2.0
Bromodichloromethane	ND	5.1	ug/kg	1.0
Chloroethane	ND	10	ug/kg	2.0
Chloroform	ND	5.1	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.1
2-Chlorotoluene	ND	5.1	ug/kg	2.0
4-Chlorotoluene	ND	5.1	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.1
1,2-Dibromoethane (EDB)	ND	5.1	ug/kg	2.0
Dibromomethane	ND	5.1	ug/kg	1.0
1,2-Dichlorobenzene	ND	5.1	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.1	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.1	ug/kg	2.0
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.1	ug/kg	1.0
1,2-Dichloroethane	ND	5.1	ug/kg	1.0
1,1-Dichloroethene	ND	5.1	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.1	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.1	ug/kg	2.0
1,2-Dichloropropane	ND	5.1	ug/kg	1.0
1,3-Dichloropropane	ND	5.1	ug/kg	2.0
2,2-Dichloropropane	ND	5.1	ug/kg	2.0
1,1-Dichloropropene	ND	5.1	ug/kg	1.0

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NGSC-GLU004997

Entact Environmental Services, LLC

Client Sample ID: SB130/79.5-80

GC/MS Volatiles

Lot-Sample #...: E6C310288-003 **Work Order #...:** H2EDR1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.1	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.1	ug/kg	2.0
Ethylbenzene	ND	5.1	ug/kg	2.0
Hexachlorobutadiene	ND	5.1	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Isopropylbenzene	ND	5.1	ug/kg	2.0
p-Isopropyltoluene	ND	5.1	ug/kg	2.0
Methylene chloride	ND	5.1	ug/kg	2.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Methyl tert-butyl ether	ND	5.1	ug/kg	1.0
Naphthalene	ND	5.1	ug/kg	2.0
n-Propylbenzene	ND	5.1	ug/kg	2.0
Styrene	ND	10	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.1	ug/kg	2.0
1,1,2,2-Tetrachloroethane	ND	5.1	ug/kg	2.0
Tetrachloroethene	**29**	**5.1**	**ug/kg**	**2.0**
Toluene	ND	5.1	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.1	ug/kg	2.0
1,2,4-Trichloro-benzene	ND	5.1	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.1	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.1	ug/kg	2.0
Trichloroethene	ND	5.1	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.1	ug/kg	2.0
1,1,2-Trichlorotrifluoro-ethane	ND	5.1	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.1	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.1	ug/kg	2.0
Vinyl chloride	ND	10	ug/kg	2.0
m-Xylene & p-Xylene	ND	5.1	ug/kg	2.0
o-Xylene	ND	5.1	ug/kg	2.0
Xylenes (total)	ND	5.1	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	91	(60 - 130)
1,2-Dichloroethane-d4	76	(60 - 140)
Toluene-d8	81	(70 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU004998

Entact Environmental Services, LLC

Client Sample ID: SB130/79.5-80

General Chemistry

Lot-Sample #...: E6C310288-003 **Work Order #...:** H2EDR **Matrix.....:** SO
Date Sampled...: 03/30/06 18:25 **Date Received..:** 03/31/06 11:30
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**12.5**	**0.10**	**%**	**MCAWW 160.3 MOD**	**04/03-04/04/06**	**6093336**

Dilution Factor: 1 Analysis Time..: 11:35 Analyst ID.....: 0000644
Instrument ID..: W15 MS Run #.....: 6093214 MDL.....:

NGSC-GLU004999

SEVERN TRENT STL

QA/QC

NGSC-GLU005000

QC DATA ASSOCIATION SUMMARY

E6C310288

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SO	SW846 8260B		6095186	6095107
	SO	MCAWW 160.3 MOD		6093336	6093214
002	SO	SW846 8260B		6095186	6095107
	SO	MCAWW 160.3 MOD		6093336	6093214
003	SO	SW846 8260B		6095186	6095107
	SO	MCAWW 160.3 MOD		6093336	6093214

NGSC-GLU005001

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6C310288 **Work Order #...:** H2L9M1AA **Matrix.....:** SOLID
MB Lot-Sample #: E6D050000-186

Prep Date.....: 03/31/06 **Analysis Time..:** 11:44
Analysis Date..: 03/31/06 **Prep Batch #...:** 6095186 **Instrument ID..:** MSP
Dilution Factor: 1

Analyst ID.....: 999998

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	25	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	SW846 8260B
Dibromomethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B

(Continued on next page)

NGSC-GLU005002

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6C310288 **Work Order #...:** H2L9M1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
Naphthalene	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	5.0	ug/kg	SW846 8260B
o-Xylene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(60 - 130)
1,2-Dichloroethane-d4	76	(60 - 140)
Toluene-d8	85	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NGSC-GLU005003

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6C310288 **Work Order #...:** H2L9M1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E6D050000-186
Prep Date.....: 03/31/06 **Analysis Date..:** 03/31/06
Prep Batch #...: 6095186 **Analysis Time..:** 10:59
Dilution Factor: 1 **Instrument ID..:** MSP
Analyst ID.....: 999998

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**95**	**(70 - 130)**	**SW846 8260B**
Chlorobenzene	**100**	**(70 - 130)**	**SW846 8260B**
1,1-Dichloroethene	**102**	**(65 - 150)**	**SW846 8260B**
Toluene	**98**	**(70 - 130)**	**SW846 8260B**
Trichloroethene	**102**	**(70 - 135)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	84	(60 - 130)
1,2-Dichloroethane-d4	73	(60 - 140)
Toluene-d8	81	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU005004

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6C310288
LCS Lot-Sample#: E6D050000-186
Prep Date.....: 03/31/06
Prep Batch #...: 6095186
Dilution Factor: 1
Analyst ID.....: 999998

Work Order #...: H2L9M1AC
Analysis Date..: 03/31/06
Analysis Time..: 10:59
Instrument ID..: MSP

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**50.0**	**47.6**	**ug/kg**	**95**	**SW846 8260B**
Chlorobenzene	**50.0**	**49.9**	**ug/kg**	**100**	**SW846 8260B**
1,1-Dichloroethene	**50.0**	**51.1**	**ug/kg**	**102**	**SW846 8260B**
Toluene	**50.0**	**48.8**	**ug/kg**	**98**	**SW846 8260B**
Trichloroethene	**50.0**	**51.0**	**ug/kg**	**102**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	84	(60 - 130)
1,2-Dichloroethane-d4	73	(60 - 140)
Toluene-d8	81	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E6C310288	**Work Order #...:**	H2CJ11A4-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E6C300396-009		H2CJ11A5-MSD		
Date Sampled...:	03/30/06 15:22	**Date Received..:**	03/30/06 18:00	**MS Run #.....:**	6095107
Prep Date.....:	03/31/06	**Analysis Date..:**	03/31/06		
Prep Batch #...:	6095186	**Analysis Time..:**	15:38		
Dilution Factor:	0.96	**% Moisture.....:**	0.0	**Analyst ID.....:**	999998
Instrument ID..:	MSP				

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**101**	**(70 - 130)**			**SW846 8260B**
	100	**(70 - 130)**	**4.1**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**104**	**(70 - 130)**			**SW846 8260B**
	101	**(70 - 130)**	**5.3**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethene	**112**	**(65 - 150)**			**SW846 8260B**
	113	**(65 - 150)**	**2.6**	**(0-30)**	**SW846 8260B**
Toluene	**104**	**(70 - 130)**			**SW846 8260B**
	102	**(70 - 130)**	**4.5**	**(0-30)**	**SW846 8260B**
Trichloroethene	**109**	**(70 - 135)**			**SW846 8260B**
	106	**(70 - 135)**	**6.1**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	88	(60 - 130)
	87	(60 - 130)
1,2-Dichloroethane-d4	75	(60 - 140)
	72	(60 - 140)
Toluene-d8	87	(70 - 130)
	87	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU005006

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E6C310288	**Work Order #...:**	H2CJ11A4-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E6C300396-009		H2CJ11A5-MSD		
Date Sampled...:	03/30/06 15:22	**Date Received..:**	03/30/06 18:00	**MS Run #.....:**	6095107
Prep Date.....:	03/31/06	**Analysis Date..:**	03/31/06		
Prep Batch #...:	6095186	**Analysis Time..:**	15:38		
Dilution Factor:	0.96	**% Moisture.....:**	0.0	**Analyst ID.....:**	999998
Instrument ID..:	MSP				

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**48.2**	**48.9**	**ug/kg**	**101**		**SW846 8260B**
	ND	**46.8**	**46.9**	**ug/kg**	**100**	**4.1**	**SW846 8260B**
Chlorobenzene	**ND**	**48.2**	**49.9**	**ug/kg**	**104**		**SW846 8260B**
	ND	**46.8**	**47.3**	**ug/kg**	**101**	**5.3**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**48.2**	**54.2**	**ug/kg**	**112**		**SW846 8260B**
	ND	**46.8**	**52.8**	**ug/kg**	**113**	**2.6**	**SW846 8260B**
Toluene	**ND**	**48.2**	**50.1**	**ug/kg**	**104**		**SW846 8260B**
	ND	**46.8**	**47.9**	**ug/kg**	**102**	**4.5**	**SW846 8260B**
Trichloroethene	**ND**	**48.2**	**52.7**	**ug/kg**	**109**		**SW846 8260B**
	ND	**46.8**	**49.6**	**ug/kg**	**106**	**6.1**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	88	(60 - 130)
	87	(60 - 130)
1,2-Dichloroethane-d4	75	(60 - 140)
	72	(60 - 140)
Toluene-d8	87	(70 - 130)
	87	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: E6C310288 **Work Order #...:** H2EAH-SMP H2EAH-DUP **Matrix.....:** SOLID

Date Sampled...: 03/30/06 10:00 **Date Received..:** 03/31/06 11:30

% Moisture.....: 22

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	E6C310281-001	
	22.0	21.5	%	2.3	(0-10)	MCAWW 160.3 MOD	04/03-04/04/06	6093336

Dilution Factor: 1 Analysis Time..: 11:35 Analyst ID.....: 000064

Instrument ID..: W15 MS Run Number..: 6093214

NGSC-GLU005008

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

June 29, 2006

STL LOT NUMBER: **E6F190198**

Greg Rainwater
Entact Environmental Services,
3129 Bass Pro Drive
Grapevine, TX 76051

Dear Greg Rainwater,

This report contains the analytical results for the five samples received under chain of custody by Severn Trent Laboratories (STL) on June 19, 2006. These samples are associated with your Johnson Controls, Fullerton CA project.

STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP certification numbers for STL Los Angeles are 01118CA and E87652 FL.

Any matrix related anomaly is footnoted within the report. A cooler receipt temperature of 2 to 6 degrees Celsius is considered within acceptance criteria. Please refer to the Project Receipt Checklist for specific container temperature and conditions.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains **000036** pages

CASE NARRATIVE

Historical control limits for the LCS are used to define the estimate of uncertainty for a method.

All applicable quality control procedures met method-specified acceptance criteria unless noted below.

If you have any questions, please feel free to call me at (714) 258-8610 extension 325.

Sincerely,

Linda Scharpenberg
Customer Service Manager

cc: Project File

NGSC-GLU005010

E6F190198

Chain of Custody Record

SEVERN TRENT STL®
Severn Trent Laboratories, Inc.

TL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
ENTACT	GREG RAINWATER	6/19/06	281512

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page
3129 Bass Pro Drive	972/580-1323	E6F190198	1 of 1

City	State	Zip Code	Site Contact	Lab Contact
GRAPEVINE	TX	76051	MIKE GARRIGAN	

Project Name and Location (State)	Carrier/Waybill Number
JCI - Fullerton, CA	Courier

Contract/Purchase Order/Quote No.: C1613

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Ice	VOC (8260)	Special Instructions/ Conditions of Receipt
MW-1 (4.5-5)	6/19/06	1215				X								X	
MW-1 (9.5-10)		1232				X								X	
MW-1 (19.5-20)		1256				X								X	
MW-1 (29.5-30)		1314				X								X	
MW-1 (39.5-40)		1326				X								X	

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other_____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Michael L. Garrigan/ENTACT	6/19/06	1600	1. Received By: Vivian Padilla	6/19/06	1600
2. Relinquished By: Vivian Padilla	6/19/06	1625	2. Received By: [signature]	6/19/06	1625
3. Relinquished By			3. Received By		

Comments: Temp — 4.9 - 0.3 = 4.6

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

3

NGSC-GLU005011

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 6/19/06

Single Cooler Only

LIMS Lot #: E6F190198 Quote #: 68553

Client Name: Entact Project: JCI - Fullerton, CA

Received by: SG Date/Time Received: 6/19/06 1625

Delivered by : ☐ Client ☒ STL ☐ DHL ☐ Fed Ex ☐ UPS ☐ Other

****

	Initial / Date
Custody Seal Status Cooler: ☐Intact ☐Broken ☒None	SG 6/19/06
Custody Seal Status Samples: ☐Intact ☐Broken ☒None	
Custody Seal #(s): N/A ☒No Seal #	
Sampler Signature on COC ☐ Yes ☐No ☒N/A	
IR Gun # __A_ Correction Factor __-.3_°C IR passed daily verification ☒Yes ☐No	
Temperature - BLANK 4.9 °C - .3 CF = 4.6 °C ...Cooler #1 ID N/A	
Temperature – COOLER (____°C ____°C ____°C ____°C) = _____ avg °C - __.3 __ CF = _____°C	
Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒N/A	
Sample Container(s): ☒STL-LA ☐ Client	
pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒N/A	
Anomalies: ☒No ☐Yes – complete CUR and Create NCM	
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ Yes ☐ No	
Labeled by: SG	

****

Turn Around Time: ☐RUSH–24HR ☐RUSH–48HR ☐RUSH–72HR ☒NORMAL SG 6/19/06

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐YES ☒N/A SG 6/19/06

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

NGSC-GLU005012

LIMS Lot # E6F190198

PROJECT RECEIPT CHECKLIST Cont'd

Fraction	1-5													
AH														
9oz(G)	1													
25gE	1													
5gE	2													

6/19/06

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore
AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☐YES ☒N/A 6/19/06

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **CUSTODY SEALS (COOLER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CONTAINER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☐ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other ☐ COC not received – notify PM
- **CONTAINERS**
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
  - ☐ Will be noted on COC--Client to send samples with new COC
  - ☐ Mislabeled as to tests, preservatives, etc.
  - ☐ Holding time expired – list sample ID and test
  - ☐ Improper container used
  - ☐ Not preserved/Improper preservative used
  - ☐ Improper pH _____ Lab to preserve sample and document
  - ☐ Insufficient quantities for analysis ☐ Other

Comments:

☐ Corrective Action Implemented:

☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____

☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: Logged in by other STL ☐ ____ CA-6/19/06

PM Review/Date: 6/20/06

NGSC-GLU005013

SEVERN TRENT STL

Analytical Report

E6F190198

NGSC-GLU005014

ANALYTICAL REPORT

Johnson Controls, Fullerton CA

Lot #: E6F190198

Greg Rainwater

Entact Environmental Services,

SEVERN TRENT LABORATORIES, INC.

Linda Scharpenberg
Project Manager

June 29, 2006

NGSC-GLU005015

EXECUTIVE SUMMARY - Detection Highlights

E6F190198

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-1 (4.5-5) 06/19/06 12:15 001				
cis-1,2-Dichloroethene	28	6.0	ug/kg	SW846 8260B
Tetrachloroethene	190	6.0	ug/kg	SW846 8260B
Trichloroethene	11	6.0	ug/kg	SW846 8260B
Percent Moisture	19.8	0.10	%	MCAWW 160.3 MOD
MW-1 (9.5-10) 06/19/06 12:32 002				
cis-1,2-Dichloroethene	9.1	5.6	ug/kg	SW846 8260B
Tetrachloroethene	67	5.6	ug/kg	SW846 8260B
Trichloroethene	2.6 J	5.6	ug/kg	SW846 8260B
Percent Moisture	14.5	0.10	%	MCAWW 160.3 MOD
MW-1 (19.5-20) 06/19/06 12:56 003				
Tetrachloroethene	34	5.4	ug/kg	SW846 8260B
Trichloroethene	2.5 J	5.4	ug/kg	SW846 8260B
Percent Moisture	11.3	0.10	%	MCAWW 160.3 MOD
MW-1 (29.5-30) 06/19/06 13:14 004				
Tetrachloroethene	1000	270	ug/kg	SW846 8260B
Percent Moisture	18.8	0.10	%	MCAWW 160.3 MOD
MW-1 (39.5-40) 06/19/06 13:26 005				
Acetone	610 J	1300	ug/kg	SW846 8260B
Tetrachloroethene	660	260	ug/kg	SW846 8260B
Toluene	66 J,B	260	ug/kg	SW846 8260B
Percent Moisture	17.6	0.10	%	MCAWW 160.3 MOD

METHODS SUMMARY

E6F190198

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5035

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

NGSC-GLU005017

SAMPLE SUMMARY

E6F190198

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H7PWV	001	MW-1 (4.5-5)	06/19/06	12:15
H7PW0	002	MW-1 (9.5-10)	06/19/06	12:32
H7PW1	003	MW-1 (19.5-20)	06/19/06	12:56
H7PW2	004	MW-1 (29.5-30)	06/19/06	13:14
H7PW3	005	MW-1 (39.5-40)	06/19/06	13:26

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

NGSC-GLU005018

Entact Environmental Services, LLC

Client Sample ID: MW-1 (4.5-5)

GC/MS Volatiles

Lot-Sample #...:	E6F190198-001	**Work Order #...:**	H7PWV1AA	**Matrix.....:**	SO
Date Sampled...:	06/19/06 12:15	**Date Received..:**	06/19/06 16:25	**MS Run #.....:**	
Prep Date.....:	06/20/06	**Analysis Date..:**	06/23/06		
Prep Batch #...:	6178593	**Analysis Time..:**	11:26		
Dilution Factor:	0.96				
% Moisture.....:	20	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	30	ug/kg	12
Benzene	ND	6.0	ug/kg	2.4
Bromobenzene	ND	6.0	ug/kg	2.4
Bromochloromethane	ND	6.0	ug/kg	1.2
Bromoform	ND	6.0	ug/kg	2.4
Bromomethane	ND	12	ug/kg	2.4
2-Butanone	ND	30	ug/kg	18
n-Butylbenzene	ND	6.0	ug/kg	2.4
sec-Butylbenzene	ND	6.0	ug/kg	2.4
tert-Butylbenzene	ND	6.0	ug/kg	2.4
Carbon disulfide	ND	6.0	ug/kg	2.4
Carbon tetrachloride	ND	6.0	ug/kg	1.2
Chlorobenzene	ND	6.0	ug/kg	2.4
Dibromochloromethane	ND	6.0	ug/kg	2.4
Bromodichloromethane	ND	6.0	ug/kg	1.2
Chloroethane	ND	12	ug/kg	2.4
Chloroform	ND	6.0	ug/kg	1.2
Chloromethane	ND	12	ug/kg	3.6
2-Chlorotoluene	ND	6.0	ug/kg	2.4
4-Chlorotoluene	ND	6.0	ug/kg	2.4
1,2-Dibromo-3-chloro-propane	ND	12	ug/kg	3.6
1,2-Dibromoethane (EDB)	ND	6.0	ug/kg	2.4
Dibromomethane	ND	6.0	ug/kg	1.2
1,2-Dichlorobenzene	ND	6.0	ug/kg	2.4
1,3-Dichlorobenzene	ND	6.0	ug/kg	2.4
1,4-Dichlorobenzene	ND	6.0	ug/kg	2.4
Dichlorodifluoromethane	ND	12	ug/kg	1.2
1,1-Dichloroethane	ND	6.0	ug/kg	1.2
1,2-Dichloroethane	ND	6.0	ug/kg	1.2
1,1-Dichloroethene	ND	6.0	ug/kg	2.4
cis-1,2-Dichloroethene	**28**	**6.0**	**ug/kg**	**2.4**
trans-1,2-Dichloroethene	ND	6.0	ug/kg	2.4
1,2-Dichloropropane	ND	6.0	ug/kg	1.2
1,3-Dichloropropane	ND	6.0	ug/kg	2.4
2,2-Dichloropropane	ND	6.0	ug/kg	2.4
1,1-Dichloropropene	ND	6.0	ug/kg	1.2

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NGSC-GLU005019

Entact Environmental Services, LLC

Client Sample ID: MW-1 (4.5-5)

GC/MS Volatiles

Lot-Sample #...: E6F190198-001 **Work Order #...:** H7PWV1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	6.0	ug/kg	1.2
trans-1,3-Dichloropropene	ND	6.0	ug/kg	2.4
Ethylbenzene	ND	6.0	ug/kg	2.4
Hexachlorobutadiene	ND	6.0	ug/kg	2.4
2-Hexanone	ND	30	ug/kg	12
Isopropylbenzene	ND	6.0	ug/kg	2.4
p-Isopropyltoluene	ND	6.0	ug/kg	2.4
Methylene chloride	ND	6.0	ug/kg	2.4
4-Methyl-2-pentanone	ND	30	ug/kg	12
Methyl tert-butyl ether	ND	6.0	ug/kg	1.2
Naphthalene	ND	6.0	ug/kg	2.4
n-Propylbenzene	ND	6.0	ug/kg	2.4
Styrene	ND	12	ug/kg	2.4
1,1,1,2-Tetrachloroethane	ND	6.0	ug/kg	2.4
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg	2.4
Tetrachloroethene	**190**	**6.0**	**ug/kg**	**2.4**
Toluene	ND	6.0	ug/kg	2.4
1,2,3-Trichlorobenzene	ND	6.0	ug/kg	2.4
1,2,4-Trichlorobenzene	ND	6.0	ug/kg	2.4
1,1,1-Trichloroethane	ND	6.0	ug/kg	1.2
1,1,2-Trichloroethane	ND	6.0	ug/kg	2.4
Trichloroethene	**11**	**6.0**	**ug/kg**	**2.4**
Trichlorofluoromethane	ND	12	ug/kg	2.4
1,2,3-Trichloropropane	ND	6.0	ug/kg	2.4
1,1,2-Trichlorotrifluoroethane	ND	6.0	ug/kg	2.4
1,2,4-Trimethylbenzene	ND	6.0	ug/kg	2.4
1,3,5-Trimethylbenzene	ND	6.0	ug/kg	2.4
Vinyl chloride	ND	12	ug/kg	2.4
m-Xylene & p-Xylene	ND	6.0	ug/kg	2.4
o-Xylene	ND	6.0	ug/kg	2.4
Xylenes (total)	ND	6.0	ug/kg	2.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	105	(60 - 125)
1,2-Dichloroethane-d4	90	(55 - 125)
Toluene-d8	98	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005020

Entact Environmental Services, LLC

Client Sample ID: MW-1 (4.5-5)

General Chemistry

Lot-Sample #...: E6F190198-001 Work Order #...: H7PWV Matrix.....: SO
Date Sampled...: 06/19/06 12:15 Date Received..: 06/19/06 16:25
% Moisture.....: 20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	19.8	0.10	%	MCAWW 160.3 MOD	06/22-06/23/06	6173433

Dilution Factor: 1 Analysis Time..: 13:20 Analyst ID.....: 000064
Instrument ID..: W15 MS Run #.....: 6173341 MDL.....:

NGSC-GLU005021

Entact Environmental Services, LLC

Client Sample ID: MW-1 (9.5-10)

GC/MS Volatiles

Lot-Sample #...:	E6F190198-002	Work Order #...:	H7PW01AA	Matrix.....:	SO
Date Sampled...:	06/19/06 12:32	Date Received..:	06/19/06 16:25	MS Run #.....:	
Prep Date.....:	06/20/06	Analysis Date..:	06/23/06		
Prep Batch #...:	6178593	Analysis Time..:	11:49		
Dilution Factor:	0.95				
% Moisture.....:	14	Analyst ID.....:	999998	Instrument ID..:	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	28	ug/kg	11
Benzene	ND	5.6	ug/kg	2.2
Bromobenzene	ND	5.6	ug/kg	2.2
Bromochloromethane	ND	5.6	ug/kg	1.1
Bromoform	ND	5.6	ug/kg	2.2
Bromomethane	ND	11	ug/kg	2.2
2-Butanone	ND	28	ug/kg	17
n-Butylbenzene	ND	5.6	ug/kg	2.2
sec-Butylbenzene	ND	5.6	ug/kg	2.2
tert-Butylbenzene	ND	5.6	ug/kg	2.2
Carbon disulfide	ND	5.6	ug/kg	2.2
Carbon tetrachloride	ND	5.6	ug/kg	1.1
Chlorobenzene	ND	5.6	ug/kg	2.2
Dibromochloromethane	ND	5.6	ug/kg	2.2
Bromodichloromethane	ND	5.6	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.2
Chloroform	ND	5.6	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.3
2-Chlorotoluene	ND	5.6	ug/kg	2.2
4-Chlorotoluene	ND	5.6	ug/kg	2.2
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.3
1,2-Dibromoethane (EDB)	ND	5.6	ug/kg	2.2
Dibromomethane	ND	5.6	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.6	ug/kg	2.2
1,3-Dichlorobenzene	ND	5.6	ug/kg	2.2
1,4-Dichlorobenzene	ND	5.6	ug/kg	2.2
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.6	ug/kg	1.1
1,2-Dichloroethane	ND	5.6	ug/kg	1.1
1,1-Dichloroethene	ND	5.6	ug/kg	2.2
cis-1,2-Dichloroethene	**9.1**	**5.6**	**ug/kg**	**2.2**
trans-1,2-Dichloroethene	ND	5.6	ug/kg	2.2
1,2-Dichloropropane	ND	5.6	ug/kg	1.1
1,3-Dichloropropane	ND	5.6	ug/kg	2.2
2,2-Dichloropropane	ND	5.6	ug/kg	2.2
1,1-Dichloropropene	ND	5.6	ug/kg	1.1

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Entact Environmental Services, LLC

Client Sample ID: MW-1 (9.5-10)

GC/MS Volatiles

Lot-Sample #...: E6F190198-002 **Work Order #...:** H7PW01AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.6	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.6	ug/kg	2.2
Ethylbenzene	ND	5.6	ug/kg	2.2
Hexachlorobutadiene	ND	5.6	ug/kg	2.2
2-Hexanone	ND	28	ug/kg	11
Isopropylbenzene	ND	5.6	ug/kg	2.2
p-Isopropyltoluene	ND	5.6	ug/kg	2.2
Methylene chloride	ND	5.6	ug/kg	2.2
4-Methyl-2-pentanone	ND	28	ug/kg	11
Methyl tert-butyl ether	ND	5.6	ug/kg	1.1
Naphthalene	ND	5.6	ug/kg	2.2
n-Propylbenzene	ND	5.6	ug/kg	2.2
Styrene	ND	11	ug/kg	2.2
1,1,1,2-Tetrachloroethane	ND	5.6	ug/kg	2.2
1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg	2.2
Tetrachloroethene	**67**	**5.6**	**ug/kg**	**2.2**
Toluene	ND	5.6	ug/kg	2.2
1,2,3-Trichlorobenzene	ND	5.6	ug/kg	2.2
1,2,4-Trichloro-benzene	ND	5.6	ug/kg	2.2
1,1,1-Trichloroethane	ND	5.6	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.6	ug/kg	2.2
Trichloroethene	**2.6 J**	**5.6**	**ug/kg**	**2.2**
Trichlorofluoromethane	ND	11	ug/kg	2.2
1,2,3-Trichloropropane	ND	5.6	ug/kg	2.2
1,1,2-Trichlorotrifluoro-ethane	ND	5.6	ug/kg	2.2
1,2,4-Trimethylbenzene	ND	5.6	ug/kg	2.2
1,3,5-Trimethylbenzene	ND	5.6	ug/kg	2.2
Vinyl chloride	ND	11	ug/kg	2.2
m-Xylene & p-Xylene	ND	5.6	ug/kg	2.2
o-Xylene	ND	5.6	ug/kg	2.2
Xylenes (total)	ND	5.6	ug/kg	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(60 - 125)
1,2-Dichloroethane-d4	91	(55 - 125)
Toluene-d8	96	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005023

Entact Environmental Services, LLC

Client Sample ID: MW-1 (9.5-10)

General Chemistry

Lot-Sample #...: E6F190198-002 Work Order #...: H7PW0 Matrix.....: SO
Date Sampled...: 06/19/06 12:32 Date Received..: 06/19/06 16:25
% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	14.5	0.10	%	MCAWW 160.3 MOD	06/22-06/23/06	6173433

Dilution Factor: 1 Analysis Time..: 13:20 Analyst ID.....: 0000641
Instrument ID..: W15 MS Run #.....: 6173341 MDL.....:

NGSC-GLU005024

Entact Environmental Services, LLC

Client Sample ID: MW-1 (19.5-20)

GC/MS Volatiles

Lot-Sample #...:	E6F190198-003	**Work Order #...:**	H7PW11AA	**Matrix.....:**	SO
Date Sampled...:	06/19/06 12:56	**Date Received..:**	06/19/06 16:25	**MS Run #.....:**	
Prep Date.....:	06/20/06	**Analysis Date..:**	06/23/06		
Prep Batch #...:	6178593	**Analysis Time..:**	12:19		
Dilution Factor:	0.95				
% Moisture.....:	11	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	27	ug/kg	11
Benzene	ND	5.4	ug/kg	2.1
Bromobenzene	ND	5.4	ug/kg	2.1
Bromochloromethane	ND	5.4	ug/kg	1.1
Bromoform	ND	5.4	ug/kg	2.1
Bromomethane	ND	11	ug/kg	2.1
2-Butanone	ND	27	ug/kg	16
n-Butylbenzene	ND	5.4	ug/kg	2.1
sec-Butylbenzene	ND	5.4	ug/kg	2.1
tert-Butylbenzene	ND	5.4	ug/kg	2.1
Carbon disulfide	ND	5.4	ug/kg	2.1
Carbon tetrachloride	ND	5.4	ug/kg	1.1
Chlorobenzene	ND	5.4	ug/kg	2.1
Dibromochloromethane	ND	5.4	ug/kg	2.1
Bromodichloromethane	ND	5.4	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.1
Chloroform	ND	5.4	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.2
2-Chlorotoluene	ND	5.4	ug/kg	2.1
4-Chlorotoluene	ND	5.4	ug/kg	2.1
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.2
1,2-Dibromoethane (EDB)	ND	5.4	ug/kg	2.1
Dibromomethane	ND	5.4	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.4	ug/kg	2.1
1,3-Dichlorobenzene	ND	5.4	ug/kg	2.1
1,4-Dichlorobenzene	ND	5.4	ug/kg	2.1
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.4	ug/kg	1.1
1,2-Dichloroethane	ND	5.4	ug/kg	1.1
1,1-Dichloroethene	ND	5.4	ug/kg	2.1
cis-1,2-Dichloroethene	ND	5.4	ug/kg	2.1
trans-1,2-Dichloroethene	ND	5.4	ug/kg	2.1
1,2-Dichloropropane	ND	5.4	ug/kg	1.1
1,3-Dichloropropane	ND	5.4	ug/kg	2.1
2,2-Dichloropropane	ND	5.4	ug/kg	2.1
1,1-Dichloropropene	ND	5.4	ug/kg	1.1

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NGSC-GLU005025

Entact Environmental Services, LLC

Client Sample ID: MW-1 (19.5-20)

GC/MS Volatiles

Lot-Sample #...: E6F190198-003 Work Order #...: H7PW11AA Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.4	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.4	ug/kg	2.1
Ethylbenzene	ND	5.4	ug/kg	2.1
Hexachlorobutadiene	ND	5.4	ug/kg	2.1
2-Hexanone	ND	27	ug/kg	11
Isopropylbenzene	ND	5.4	ug/kg	2.1
p-Isopropyltoluene	ND	5.4	ug/kg	2.1
Methylene chloride	ND	5.4	ug/kg	2.1
4-Methyl-2-pentanone	ND	27	ug/kg	11
Methyl tert-butyl ether	ND	5.4	ug/kg	1.1
Naphthalene	ND	5.4	ug/kg	2.1
n-Propylbenzene	ND	5.4	ug/kg	2.1
Styrene	ND	11	ug/kg	2.1
1,1,1,2-Tetrachloroethane	ND	5.4	ug/kg	2.1
1,1,2,2-Tetrachloroethane	ND	5.4	ug/kg	2.1
Tetrachloroethene	**34**	**5.4**	**ug/kg**	**2.1**
Toluene	ND	5.4	ug/kg	2.1
1,2,3-Trichlorobenzene	ND	5.4	ug/kg	2.1
1,2,4-Trichloro-benzene	ND	5.4	ug/kg	2.1
1,1,1-Trichloroethane	ND	5.4	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.4	ug/kg	2.1
Trichloroethene	**2.5 J**	**5.4**	**ug/kg**	**2.1**
Trichlorofluoromethane	ND	11	ug/kg	2.1
1,2,3-Trichloropropane	ND	5.4	ug/kg	2.1
1,1,2-Trichlorotrifluoro-ethane	ND	5.4	ug/kg	2.1
1,2,4-Trimethylbenzene	ND	5.4	ug/kg	2.1
1,3,5-Trimethylbenzene	ND	5.4	ug/kg	2.1
Vinyl chloride	ND	11	ug/kg	2.1
m-Xylene & p-Xylene	ND	5.4	ug/kg	2.1
o-Xylene	ND	5.4	ug/kg	2.1
Xylenes (total)	ND	5.4	ug/kg	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	102	(60 - 125)
1,2-Dichloroethane-d4	91	(55 - 125)
Toluene-d8	94	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005026

Entact Environmental Services, LLC

Client Sample ID: MW-1 (19.5-20)

General Chemistry

Lot-Sample #...: E6F190198-003 Work Order #...: H7PW1 Matrix.....: SO
Date Sampled...: 06/19/06 12:56 Date Received..: 06/19/06 16:25
% Moisture.....: 11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	11.3	0.10	%	MCAWW 160.3 MOD	06/22-06/23/06	6173433

Dilution Factor: 1 Analysis Time..: 13:20 Analyst ID.....: 0000641
Instrument ID..: W15 MS Run #.....: 6173341 MDL.....:

NGSC-GLU005027

Entact Environmental Services, LLC

Client Sample ID: MW-1 (29.5-30)

GC/MS Volatiles

Lot-Sample #...:	E6F190198-004	Work Order #...:	H7PW21AA	Matrix.....:	SO
Date Sampled...:	06/19/06 13:14	Date Received..:	06/19/06 16:25	MS Run #.....:	
Prep Date.....:	06/20/06	Analysis Date..:	06/28/06		
Prep Batch #...:	6180462	Analysis Time..:	13:55		
Dilution Factor:	0.87				
% Moisture.....:	19	Analyst ID.....:	999998	Instrument ID..:	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	1300	ug/kg	430
Benzene	ND	270	ug/kg	110
Bromobenzene	ND	270	ug/kg	75
Bromochloromethane	ND	270	ug/kg	80
Bromoform	ND	270	ug/kg	110
Bromomethane	ND	540	ug/kg	270
2-Butanone	ND	1300	ug/kg	540
n-Butylbenzene	ND	270	ug/kg	75
sec-Butylbenzene	ND	270	ug/kg	75
tert-Butylbenzene	ND	270	ug/kg	75
Carbon disulfide	ND	270	ug/kg	110
Carbon tetrachloride	ND	270	ug/kg	64
Chlorobenzene	ND	270	ug/kg	110
Dibromochloromethane	ND	270	ug/kg	110
Bromodichloromethane	ND	270	ug/kg	110
Chloroethane	ND	540	ug/kg	270
Chloroform	ND	270	ug/kg	75
Chloromethane	ND	540	ug/kg	210
2-Chlorotoluene	ND	270	ug/kg	75
4-Chlorotoluene	ND	270	ug/kg	75
1,2-Dibromo-3-chloro-propane	ND	540	ug/kg	160
1,2-Dibromoethane (EDB)	ND	270	ug/kg	75
Dibromomethane	ND	270	ug/kg	120
1,2-Dichlorobenzene	ND	270	ug/kg	110
1,3-Dichlorobenzene	ND	270	ug/kg	75
1,4-Dichlorobenzene	ND	270	ug/kg	110
Dichlorodifluoromethane	ND	540	ug/kg	180
1,1-Dichloroethane	ND	270	ug/kg	110
1,2-Dichloroethane	ND	270	ug/kg	75
1,1-Dichloroethene	ND	270	ug/kg	130
cis-1,2-Dichloroethene	ND	270	ug/kg	110
trans-1,2-Dichloroethene	ND	270	ug/kg	130
1,2-Dichloropropane	ND	270	ug/kg	110
1,3-Dichloropropane	ND	270	ug/kg	110
2,2-Dichloropropane	ND	270	ug/kg	64
1,1-Dichloropropene	ND	270	ug/kg	110

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NGSC-GLU005028

Entact Environmental Services, LLC

Client Sample ID: MW-1 (29.5-30)

GC/MS Volatiles

Lot-Sample #...: E6F190198-004 Work Order #...: H7PW21AA Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	270	ug/kg	110
trans-1,3-Dichloropropene	ND	270	ug/kg	75
Ethylbenzene	ND	270	ug/kg	75
Hexachlorobutadiene	ND	270	ug/kg	75
2-Hexanone	ND	1300	ug/kg	320
Isopropylbenzene	ND	270	ug/kg	130
p-Isopropyltoluene	ND	270	ug/kg	75
Methylene chloride	ND	270	ug/kg	54
4-Methyl-2-pentanone	ND	1300	ug/kg	430
Methyl tert-butyl ether	ND	270	ug/kg	110
Naphthalene	ND	270	ug/kg	110
n-Propylbenzene	ND	270	ug/kg	120
Styrene	ND	540	ug/kg	110
1,1,1,2-Tetrachloroethane	ND	270	ug/kg	54
1,1,2,2-Tetrachloroethane	ND	270	ug/kg	110
Tetrachloroethene	**1000**	**270**	**ug/kg**	**86**
Toluene	ND	270	ug/kg	64
1,2,3-Trichlorobenzene	ND	270	ug/kg	75
1,2,4-Trichloro-benzene	ND	270	ug/kg	75
1,1,1-Trichloroethane	ND	270	ug/kg	75
1,1,2-Trichloroethane	ND	270	ug/kg	110
Trichloroethene	ND	270	ug/kg	64
Trichlorofluoromethane	ND	540	ug/kg	75
1,2,3-Trichloropropane	ND	270	ug/kg	120
1,1,2-Trichlorotrifluoro-ethane	ND	270	ug/kg	110
1,2,4-Trimethylbenzene	ND	270	ug/kg	75
1,3,5-Trimethylbenzene	ND	270	ug/kg	130
Vinyl chloride	ND	540	ug/kg	160
m-Xylene & p-Xylene	ND	270	ug/kg	180
o-Xylene	ND	270	ug/kg	110
Xylenes (total)	ND	270	ug/kg	180

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	84	(65 - 130)
1,2-Dichloroethane-d4	100	(65 - 130)
Toluene-d8	88	(65 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005029

Entact Environmental Services, LLC

Client Sample ID: MW-1 (29.5-30)

General Chemistry

Lot-Sample #...: E6F190198-004 Work Order #...: H7PW2 Matrix.....: SO
Date Sampled...: 06/19/06 13:14 Date Received..: 06/19/06 16:25
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	18.8	0.10	%	MCAWW 160.3 MOD	06/22-06/23/06	6173433

Dilution Factor: 1 Analysis Time..: 13:20 Analyst ID.....: 0000641
Instrument ID..: W15 MS Run #.....: 6173341 MDL.....:

NGSC-GLU005030

Entact Environmental Services, LLC

Client Sample ID: MW-1 (39.5-40)

GC/MS Volatiles

Lot-Sample #...:	E6F190198-005	**Work Order #...:**	H7PW31AA	**Matrix.....:**	SO
Date Sampled...:	06/19/06 13:26	**Date Received..:**	06/19/06 16:25	**MS Run #.....:**	
Prep Date.....:	06/20/06	**Analysis Date..:**	06/28/06		
Prep Batch #...:	6180462	**Analysis Time..:**	14:19		
Dilution Factor:	0.87				
% Moisture.....:	18	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**610 J**	**1300**	**ug/kg**	**420**
Benzene	ND	260	ug/kg	110
Bromobenzene	ND	260	ug/kg	74
Bromochloromethane	ND	260	ug/kg	79
Bromoform	ND	260	ug/kg	110
Bromomethane	ND	530	ug/kg	260
2-Butanone	ND	1300	ug/kg	530
n-Butylbenzene	ND	260	ug/kg	74
sec-Butylbenzene	ND	260	ug/kg	74
tert-Butylbenzene	ND	260	ug/kg	74
Carbon disulfide	ND	260	ug/kg	110
Carbon tetrachloride	ND	260	ug/kg	63
Chlorobenzene	ND	260	ug/kg	110
Dibromochloromethane	ND	260	ug/kg	110
Bromodichloromethane	ND	260	ug/kg	110
Chloroethane	ND	530	ug/kg	260
Chloroform	ND	260	ug/kg	74
Chloromethane	ND	530	ug/kg	210
2-Chlorotoluene	ND	260	ug/kg	74
4-Chlorotoluene	ND	260	ug/kg	74
1,2-Dibromo-3-chloro-propane	ND	530	ug/kg	160
1,2-Dibromoethane (EDB)	ND	260	ug/kg	74
Dibromomethane	ND	260	ug/kg	120
1,2-Dichlorobenzene	ND	260	ug/kg	110
1,3-Dichlorobenzene	ND	260	ug/kg	74
1,4-Dichlorobenzene	ND	260	ug/kg	110
Dichlorodifluoromethane	ND	530	ug/kg	180
1,1-Dichloroethane	ND	260	ug/kg	110
1,2-Dichloroethane	ND	260	ug/kg	74
1,1-Dichloroethene	ND	260	ug/kg	130
cis-1,2-Dichloroethene	ND	260	ug/kg	110
trans-1,2-Dichloroethene	ND	260	ug/kg	130
1,2-Dichloropropane	ND	260	ug/kg	110
1,3-Dichloropropane	ND	260	ug/kg	110
2,2-Dichloropropane	ND	260	ug/kg	63
1,1-Dichloropropene	ND	260	ug/kg	110

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NGSC-GLU005031

Entact Environmental Services, LLC

Client Sample ID: MW-1 (39.5-40)

GC/MS Volatiles

Lot-Sample #...: E6F190198-005 Work Order #...: H7PW31AA Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	260	ug/kg	110
trans-1,3-Dichloropropene	ND	260	ug/kg	74
Ethylbenzene	ND	260	ug/kg	74
Hexachlorobutadiene	ND	260	ug/kg	74
2-Hexanone	ND	1300	ug/kg	320
Isopropylbenzene	ND	260	ug/kg	130
p-Isopropyltoluene	ND	260	ug/kg	74
Methylene chloride	ND	260	ug/kg	53
4-Methyl-2-pentanone	ND	1300	ug/kg	420
Methyl tert-butyl ether	ND	260	ug/kg	110
Naphthalene	ND	260	ug/kg	110
n-Propylbenzene	ND	260	ug/kg	120
Styrene	ND	530	ug/kg	110
1,1,1,2-Tetrachloroethane	ND	260	ug/kg	53
1,1,2,2-Tetrachloroethane	ND	260	ug/kg	110
Tetrachloroethene	**660**	**260**	**ug/kg**	**84**
Toluene	**66 J,B**	**260**	**ug/kg**	**63**
1,2,3-Trichlorobenzene	ND	260	ug/kg	74
1,2,4-Trichlorobenzene	ND	260	ug/kg	74
1,1,1-Trichloroethane	ND	260	ug/kg	74
1,1,2-Trichloroethane	ND	260	ug/kg	110
Trichloroethene	ND	260	ug/kg	63
Trichlorofluoromethane	ND	530	ug/kg	74
1,2,3-Trichloropropane	ND	260	ug/kg	120
1,1,2-Trichlorotrifluoroethane	ND	260	ug/kg	110
1,2,4-Trimethylbenzene	ND	260	ug/kg	74
1,3,5-Trimethylbenzene	ND	260	ug/kg	130
Vinyl chloride	ND	530	ug/kg	160
m-Xylene & p-Xylene	ND	260	ug/kg	180
o-Xylene	ND	260	ug/kg	110
Xylenes (total)	ND	260	ug/kg	180

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	84	(65 - 130)
1,2-Dichloroethane-d4	101	(65 - 130)
Toluene-d8	87	(65 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

NGSC-GLU005032

Entact Environmental Services, LLC

Client Sample ID: MW-1 (39.5-40)

General Chemistry

Lot-Sample #...: E6F190198-005 **Work Order #...:** H7PW3 **Matrix.....:** SO
Date Sampled...: 06/19/06 13:26 **Date Received..:** 06/19/06 16:25
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**17.6**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/22-06/23/06**	**6173433**

Dilution Factor: 1 Analysis Time..: 13:20 Analyst ID.....: 0000641
Instrument ID..: W15 MS Run #.....: 6173341 MDL.....:

NGSC-GLU005033

SEVERN TRENT STL

QA/QC

NGSC-GLU005034

QC DATA ASSOCIATION SUMMARY

E6F190198

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SO	SW846 8260B		6178593	
	SO	MCAWW 160.3 MOD		6173433	6173341
002	SO	SW846 8260B		6178593	
	SO	MCAWW 160.3 MOD		6173433	6173341
003	SO	SW846 8260B		6178593	
	SO	MCAWW 160.3 MOD		6173433	6173341
004	SO	SW846 8260B		6180462	
	SO	MCAWW 160.3 MOD		6173433	6173341
005	SO	SW846 8260B		6180462	
	SO	MCAWW 160.3 MOD		6173433	6173341

NGSC-GLU005035

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6F190198
MB Lot-Sample #: E6F270000-593
Work Order #...: H8CEX1AA
Matrix.....: SOLID

Analysis Date..: 06/23/06
Dilution Factor: 1
Prep Date.....: 06/20/06
Prep Batch #...: 6178593
Analysis Time..: 11:03
Instrument ID..: MSP

Analyst ID.....: 999998

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	25	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	SW846 8260B
Dibromomethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B

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NGSC-GLU005036

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6F190198 **Work Order #...:** H8CEX1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
Naphthalene	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	5.0	ug/kg	SW846 8260B
o-Xylene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(60 - 125)
1,2-Dichloroethane-d4	90	(55 - 125)
Toluene-d8	93	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NGSC-GLU005037

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6F190198
MB Lot-Sample #: E6F290000-462
Work Order #...: H8GV21AA
Matrix.....: SOLID
Prep Date.....: 06/20/06
Analysis Time..: 13:08
Analysis Date..: 06/28/06
Prep Batch #...: 6180462
Instrument ID..: MSP
Dilution Factor: 1
Analyst ID.....: 999998

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	1200	ug/kg	SW846 8260B
Benzene	ND	250	ug/kg	SW846 8260B
Bromobenzene	ND	250	ug/kg	SW846 8260B
Bromochloromethane	ND	250	ug/kg	SW846 8260B
Bromoform	ND	250	ug/kg	SW846 8260B
Bromomethane	ND	500	ug/kg	SW846 8260B
2-Butanone	ND	1200	ug/kg	SW846 8260B
n-Butylbenzene	ND	250	ug/kg	SW846 8260B
sec-Butylbenzene	ND	250	ug/kg	SW846 8260B
tert-Butylbenzene	ND	250	ug/kg	SW846 8260B
Carbon disulfide	ND	250	ug/kg	SW846 8260B
Carbon tetrachloride	ND	250	ug/kg	SW846 8260B
Chlorobenzene	ND	250	ug/kg	SW846 8260B
Dibromochloromethane	ND	250	ug/kg	SW846 8260B
Bromodichloromethane	ND	250	ug/kg	SW846 8260B
Chloroethane	ND	500	ug/kg	SW846 8260B
Chloroform	ND	250	ug/kg	SW846 8260B
Chloromethane	ND	500	ug/kg	SW846 8260B
2-Chlorotoluene	ND	250	ug/kg	SW846 8260B
4-Chlorotoluene	ND	250	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	500	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	250	ug/kg	SW846 8260B
Dibromomethane	ND	250	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	500	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	250	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	250	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	250	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	250	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	250	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	250	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	250	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	250	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	250	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	250	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	250	ug/kg	SW846 8260B
Ethylbenzene	ND	250	ug/kg	SW846 8260B

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NGSC-GLU005038

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6F190198 **Work Order #...:** H8GV21AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	250	ug/kg	SW846 8260B
2-Hexanone	ND	1200	ug/kg	SW846 8260B
Isopropylbenzene	ND	250	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	250	ug/kg	SW846 8260B
Methylene chloride	ND	250	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	1200	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	250	ug/kg	SW846 8260B
Naphthalene	ND	250	ug/kg	SW846 8260B
n-Propylbenzene	ND	250	ug/kg	SW846 8260B
Styrene	ND	500	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	250	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	250	ug/kg	SW846 8260B
Tetrachloroethene	ND	250	ug/kg	SW846 8260B
Toluene	**62 J**	**250**	**ug/kg**	**SW846 8260B**
1,2,3-Trichlorobenzene	ND	250	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	250	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	250	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	250	ug/kg	SW846 8260B
Trichloroethene	ND	250	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	500	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	250	ug/kg	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	250	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	250	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	250	ug/kg	SW846 8260B
Vinyl chloride	ND	500	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	250	ug/kg	SW846 8260B
o-Xylene	ND	250	ug/kg	SW846 8260B
Xylenes (total)	ND	250	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(65 - 130)
1,2-Dichloroethane-d4	113	(65 - 130)
Toluene-d8	99	(65 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

NGSC-GLU005039

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6F190198 **Work Order #...:** H8CEX1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: E6F270000-593 H8CEX1AD-LCSD
Prep Date.....: 06/20/06 **Analysis Date..:** 06/23/06
Prep Batch #...: 6178593 **Analysis Time..:** 10:17
Dilution Factor: 1 **Instrument ID..:** MSP
Analyst ID.....: 999998

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**104**	**(70 - 130)**			**SW846 8260B**
	107	**(70 - 130)**	**2.9**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**106**	**(70 - 130)**			**SW846 8260B**
	107	**(70 - 130)**	**1.1**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethene	**101**	**(50 - 160)**			**SW846 8260B**
	103	**(50 - 160)**	**1.6**	**(0-30)**	**SW846 8260B**
Toluene	**106**	**(70 - 130)**			**SW846 8260B**
	106	**(70 - 130)**	**0.22**	**(0-30)**	**SW846 8260B**
Trichloroethene	**108**	**(70 - 135)**			**SW846 8260B**
	110	**(70 - 135)**	**1.3**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(60 - 125)
	97	(60 - 125)
1,2-Dichloroethane-d4	83	(55 - 125)
	84	(55 - 125)
Toluene-d8	95	(60 - 125)
	94	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU005040

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6F190198 **Work Order #...:** H8CEX1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: E6F270000-593 H8CEX1AD-LCSD
Prep Date.....: 06/20/06 **Analysis Date..:** 06/23/06
Prep Batch #...: 6178593 **Analysis Time..:** 10:17
Dilution Factor: 1 **Instrument ID..:** MSP
Analyst ID.....: 999998

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**50.0**	**52.1**	**ug/kg**	**104**		**SW846 8260B**
	50.0	**53.6**	**ug/kg**	**107**	**2.9**	**SW846 8260B**
Chlorobenzene	**50.0**	**53.0**	**ug/kg**	**106**		**SW846 8260B**
	50.0	**53.6**	**ug/kg**	**107**	**1.1**	**SW846 8260B**
1,1-Dichloroethene	**50.0**	**50.6**	**ug/kg**	**101**		**SW846 8260B**
	50.0	**51.4**	**ug/kg**	**103**	**1.6**	**SW846 8260B**
Toluene	**50.0**	**52.8**	**ug/kg**	**106**		**SW846 8260B**
	50.0	**52.9**	**ug/kg**	**106**	**0.22**	**SW846 8260B**
Trichloroethene	**50.0**	**54.0**	**ug/kg**	**108**		**SW846 8260B**
	50.0	**54.8**	**ug/kg**	**110**	**1.3**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(60 - 125)
	97	(60 - 125)
1,2-Dichloroethane-d4	83	(55 - 125)
	84	(55 - 125)
Toluene-d8	95	(60 - 125)
	94	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU005041

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6F190198 **Work Order #...:** H8GV21AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: E6F290000-462 H8GV21AD-LCSD
Prep Date.....: 06/20/06 **Analysis Date..:** 06/28/06
Prep Batch #...: 6180462 **Analysis Time..:** 11:59
Dilution Factor: 1 **Instrument ID..:** MSP
Analyst ID.....: 999998

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**116**	**(70 - 125)**			**SW846 8260B**
	114	**(70 - 125)**	**2.2**	**(0-35)**	**SW846 8260B**
Chlorobenzene	**110**	**(70 - 125)**			**SW846 8260B**
	108	**(70 - 125)**	**1.4**	**(0-35)**	**SW846 8260B**
1,1-Dichloroethene	**115**	**(50 - 155)**			**SW846 8260B**
	113	**(50 - 155)**	**1.8**	**(0-35)**	**SW846 8260B**
Toluene	**110**	**(70 - 120)**			**SW846 8260B**
	107	**(70 - 120)**	**2.7**	**(0-35)**	**SW846 8260B**
Trichloroethene	**124**	**(70 - 125)**			**SW846 8260B**
	120	**(70 - 125)**	**2.9**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(65 - 130)
	94	(65 - 130)
1,2-Dichloroethane-d4	111	(65 - 130)
	109	(65 - 130)
Toluene-d8	104	(65 - 130)
	102	(65 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6F190198 **Work Order #...:** H8GV21AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: E6F290000-462 H8GV21AD-LCSD
Prep Date.....: 06/20/06 **Analysis Date..:** 06/28/06
Prep Batch #...: 6180462 **Analysis Time..:** 11:59
Dilution Factor: 1 **Instrument ID..:** MSP
Analyst ID.....: 999998

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**2500**	**2900**	**ug/kg**	**116**		**SW846 8260B**
	2500	**2840**	**ug/kg**	**114**	**2.2**	**SW846 8260B**
Chlorobenzene	**2500**	**2750**	**ug/kg**	**110**		**SW846 8260B**
	2500	**2710**	**ug/kg**	**108**	**1.4**	**SW846 8260B**
1,1-Dichloroethene	**2500**	**2870**	**ug/kg**	**115**		**SW846 8260B**
	2500	**2820**	**ug/kg**	**113**	**1.8**	**SW846 8260B**
Toluene	**2500**	**2750**	**ug/kg**	**110**		**SW846 8260B**
	2500	**2680**	**ug/kg**	**107**	**2.7**	**SW846 8260B**
Trichloroethene	**2500**	**3090**	**ug/kg**	**124**		**SW846 8260B**
	2500	**3000**	**ug/kg**	**120**	**2.9**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(65 - 130)
	94	(65 - 130)
1,2-Dichloroethane-d4	111	(65 - 130)
	109	(65 - 130)
Toluene-d8	104	(65 - 130)
	102	(65 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: E6F190198 **Work Order #...:** H7JAR-SMP H7JAR-DUP **Matrix.....:** SOLID

Date Sampled...: 06/15/06 09:48 **Date Received..:** 06/15/06 20:00

% Moisture.....: 14

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	E6F150414-024	
	14.5	14.8	%	2.0	(0-10)	MCAWW 160.3 MOD	06/22-06/23/06	6173433

Dilution Factor: 1 Analysis Time..: 13:20 Analyst ID.....: 000064

Instrument ID..: W15 MS Run Number..: 6173341

NGSC-GLU005044

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

June 28, 2006

STL LOT NUMBER: **E6F200341**
PO/CONTRACT: C1613

Greg Rainwater
Entact Environmental Services,
3129 Bass Pro Drive
Grapevine, TX 76051

Dear Greg Rainwater,

This report contains the analytical results for the 10 samples received under chain of custody by Severn Trent Laboratories (STL) on June 20, 2006. These samples are associated with your Johnson Controls, Fullerton CA project.
STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP certification numbers for STL Los Angeles are 01118CA and E87652 FL.

Any matrix related anomaly is footnoted within the report. A cooler receipt temperature of 2 to 6 degrees Celsius is considered within acceptance criteria. Please refer to the Project Receipt Checklist for specific container temperature and conditions.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000050 pages

CASE NARRATIVE

The sample for Grain Size by ASTM D422 was analyzed by PTS Labs In Santa Fe Springs, California. The PTS Lab report has been included in full with this data report.

Historical control limits for the LCS are used to define the estimate of uncertainty for a method.

All applicable quality control procedures met method-specified acceptance criteria unless noted below.

If you have any questions, please feel free to call me at (714) 258-8610 extension 325.

Sincerely,

Linda Scharpenberg

Linda Scharpenberg
Customer Service Manager

cc: Project File

NGSC-GLU005046

E6F200341

Chain of Custody Record

SEVERN TRENT STL®
Severn Trent Laboratories, Inc.

TL-4124 (0901)

Client: ENTACT	Project Manager: Greg Rainwater	Date: 6/20/06	Chain of Custody Number: 281511
Address: 3129 Bass Pro Dr.	Telephone Number (Area Code)/Fax Number: 972/580-1323	Lab Number: E6F200341	Page 1 of 1
City: Grapevine; State: TX; Zip Code: 76051	Site Contact: M. Garrigan	Lab Contact: Jerry Swart	
Project Name and Location (State): JCI - Fullerton, CA	Carrier/Waybill Number: Courier		
Contract/Purchase Order/Quote No.: C1613			

Analysis (Attach list if more space is needed): VOC (8260); GEOTECH

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC (8260)	GEOTECH	Special Instructions
MW-1 (49.5-50)	6/19/06	1622				X							X		
MW-1 (59.5-60)		1730				X							X		
MW-1D (69.5-70)		1745				X							X		
MW-1 (69.5-70)		1750				X							X		
MW-1 (79.5-80)	6/20/06	0810				X							X		
MW-1 (89.5-90)		0905				X							X		
MW-1 (99.5-100)		0940				X							X		
MW-1 (109.5-110)		1025				X							X		
MW-1 (119.5-120)		1130				X							X		
MW-1 (97-98)		1003				X								X	*GRAIN-SIZE analys

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [X] Other 5 days

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Michael L. Garrigan	6/20/06	1600	1. Received By: [signature]	6-20-06	1600
2. Relinquished By: [signature]	6/20/06	1645	2. Received By: [signature]	6/20/06	1645
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5.6 - 3 = 5.3

3

NGSC-GLU005047

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 6/20/06

Single Cooler Only

LIMS Lot #: E6F200341 Quote #: 68553

Client Name: Entset Project: JCI - Fullerton, CA

Received by: SG Date/Time Received: 6/20/06 1645

Delivered by : ☐ Client ☐ STL ☐ DHL ☐ Fed Ex ☐ UPS ☒ Other Edmund

****

		Initial / Date
Custody Seal Status Cooler:	☐Intact ☐Broken ☒None	SG 6/20/06
Custody Seal Status Samples:	☐Intact ☐Broken ☒None	
Custody Seal #(s): N/A	☒No Seal #	
Sampler Signature on COC	☐ Yes ☐No ☒N/A	
IR Gun # A Correction Factor -.3 °C	IR passed daily verification ☒Yes ☐No	
Temperature - BLANK 5.6 °C - .3 CF = 5.3 °C	Cooler #1 ID N/A	
Temperature – COOLER (°C °C °C °C) = avg °C - .3 CF = °C		
Samples outside temperature criteria but received within 6 hours of final sampling	☐ Yes ☒N/A	
Sample Container(s):	☒ STL-LA ☐ Client	
pH measured:	☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒N/A	
Anomalies:	☒No ☐Yes – complete CUR and Create NCM	

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ Yes ☐ No

Labeled by: SG

****

Turn Around Time: ☐RUSH–24HR ☐RUSH–48HR ☐RUSH–72HR ☒NORMAL SG 6/20/06

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐YES ☒N/A SG 6/20/06

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

LIMS Lot # E6F200341

PROJECT RECEIPT CHECKLIST Cont'd

Fraction	1-9	10												
AH														
4oz CGJ	1													
25g E	1													
5g E	2													
Foil Wrap		1												

6/20/06

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore
AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☐YES ☒N/A 6/20/06

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **CUSTODY SEALS (COOLER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CONTAINER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☐ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other ☐ COC not received – notify PM
- **CONTAINERS**
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
  - ☐ Will be noted on COC–Client to send samples with new COC
  - ☐ Mislabeled as to tests, preservatives, etc.
  - ☐ Holding time expired – list sample ID and test
  - ☐ Improper container used
  - ☐ Not preserved/Improper preservative used
  - ☐ Improper pH _____ Lab to preserve sample and document
  - ☐ Insufficient quantities for analysis ☐ Other

Comments:

☐ Corrective Action Implemented:

☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____

☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: C.A. 6/20/06 **Logged in by other STL** ☐ ____ **PM Review/Date:** 6/21/06

NGSC-GLU005049

SEVERN TRENT STL

Analytical Report

NGSC-GLU005050

ANALYTICAL REPORT

Johnson Controls, Fullerton CA

Lot #: E6F200341

Greg Rainwater

Entact Environmental Services,

SEVERN TRENT LABORATORIES, INC.

Linda Scharpenberg
Project Manager

June 28, 2006

NGSC-GLU005051

EXECUTIVE SUMMARY - Detection Highlights

E6F200341

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-1(49.5-50) 06/19/06 16:22 001				
Percent Moisture	6.3	0.10	%	MCAWW 160.3 MOD
MW-1(59.5-60) 06/19/06 17:30 002				
1,1-Dichloroethene	17	5.3	ug/kg	SW846 8260B
Tetrachloroethene	84	5.3	ug/kg	SW846 8260B
Trichloroethene	12	5.3	ug/kg	SW846 8260B
Percent Moisture	16.8	0.10	%	MCAWW 160.3 MOD
MW-1D(69.5-70) 06/19/06 17:45 003				
1,1-Dichloroethene	3.1 J	5.0	ug/kg	SW846 8260B
Tetrachloroethene	110	5.0	ug/kg	SW846 8260B
Trichloroethene	3.4 J	5.0	ug/kg	SW846 8260B
Percent Moisture	17.4	0.10	%	MCAWW 160.3 MOD
MW-1(69.5-70) 06/19/06 17:50 004				
1,1-Dichloroethene	5.3	5.3	ug/kg	SW846 8260B
Tetrachloroethene	150	5.3	ug/kg	SW846 8260B
Trichloroethene	5.2 J	5.3	ug/kg	SW846 8260B
Percent Moisture	17.4	0.10	%	MCAWW 160.3 MOD
MW-1(79.5-80) 06/20/06 08:10 005				
Tetrachloroethene	54	5.2	ug/kg	SW846 8260B
Percent Moisture	15.3	0.10	%	MCAWW 160.3 MOD
MW-1(89.5-90) 06/20/06 09:05 006				
1,1-Dichloroethene	8.8	4.5	ug/kg	SW846 8260B
Tetrachloroethene	36	4.5	ug/kg	SW846 8260B
Trichloroethene	3.8 J	4.5	ug/kg	SW846 8260B
Percent Moisture	11.9	0.10	%	MCAWW 160.3 MOD
MW-1(99.5-100) 06/20/06 09:40 007				
Tetrachloroethene	2.5 J	5.3	ug/kg	SW846 8260B
Trichloroethene	4.0 J	5.3	ug/kg	SW846 8260B
Percent Moisture	18.4	0.10	%	MCAWW 160.3 MOD

(Continued on next page)

NGSC-GLU005052

EXECUTIVE SUMMARY - Detection Highlights

E6F200341

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-1(109.5-110) 06/20/06 10:25 008				
Trichloroethene	13	5.0	ug/kg	SW846 8260B
Percent Moisture	14.3	0.10	%	MCAWW 160.3 MOD
MW-1(119.5-120) 06/20/06 11:30 009				
Percent Moisture	9.0	0.10	%	MCAWW 160.3 MOD

NGSC-GLU005053

METHODS SUMMARY

E6F200341

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5035

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

NGSC-GLU005054

SAMPLE SUMMARY

E6F200341

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H7R7P	001	MW-1(49.5-50)	06/19/06	16:22
H7R7T	002	MW-1(59.5-60)	06/19/06	17:30
H7R7W	003	MW-1D(69.5-70)	06/19/06	17:45
H7R70	004	MW-1(69.5-70)	06/19/06	17:50
H7R73	005	MW-1(79.5-80)	06/20/06	08:10
H7R8C	006	MW-1(89.5-90)	06/20/06	09:05
H7R8F	007	MW-1(99.5-100)	06/20/06	09:40
H7R8H	008	MW-1(109.5-110)	06/20/06	10:25
H7R8L	009	MW-1(119.5-120)	06/20/06	11:30

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

NGSC-GLU005055

Entact Environmental Services, LLC

Client Sample ID: MW-1(49.5-50)

GC/MS Volatiles

Lot-Sample #...:	E6F200341-001	**Work Order #...:**	H7R7P1AA	**Matrix.....:**	SO
Date Sampled...:	06/19/06 16:22	**Date Received..:**	06/20/06 16:45	**MS Run #.....:**	
Prep Date.....:	06/21/06	**Analysis Date..:**	06/23/06		
Prep Batch #...:	6178594	**Analysis Time..:**	14:37		
Dilution Factor:	1.06				
% Moisture.....:	6.3	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	28	ug/kg	11
Benzene	ND	5.7	ug/kg	2.3
Bromobenzene	ND	5.7	ug/kg	2.3
Bromochloromethane	ND	5.7	ug/kg	1.1
Bromoform	ND	5.7	ug/kg	2.3
Bromomethane	ND	11	ug/kg	2.3
2-Butanone	ND	28	ug/kg	17
n-Butylbenzene	ND	5.7	ug/kg	2.3
sec-Butylbenzene	ND	5.7	ug/kg	2.3
tert-Butylbenzene	ND	5.7	ug/kg	2.3
Carbon disulfide	ND	5.7	ug/kg	2.3
Carbon tetrachloride	ND	5.7	ug/kg	1.1
Chlorobenzene	ND	5.7	ug/kg	2.3
Dibromochloromethane	ND	5.7	ug/kg	2.3
Bromodichloromethane	ND	5.7	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.3
Chloroform	ND	5.7	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.4
2-Chlorotoluene	ND	5.7	ug/kg	2.3
4-Chlorotoluene	ND	5.7	ug/kg	2.3
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.4
1,2-Dibromoethane (EDB)	ND	5.7	ug/kg	2.3
Dibromomethane	ND	5.7	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.7	ug/kg	2.3
1,3-Dichlorobenzene	ND	5.7	ug/kg	2.3
1,4-Dichlorobenzene	ND	5.7	ug/kg	2.3
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.7	ug/kg	1.1
1,2-Dichloroethane	ND	5.7	ug/kg	1.1
1,1-Dichloroethene	ND	5.7	ug/kg	2.3
cis-1,2-Dichloroethene	ND	5.7	ug/kg	2.3
trans-1,2-Dichloroethene	ND	5.7	ug/kg	2.3
1,2-Dichloropropane	ND	5.7	ug/kg	1.1
1,3-Dichloropropane	ND	5.7	ug/kg	2.3
2,2-Dichloropropane	ND	5.7	ug/kg	2.3
1,1-Dichloropropene	ND	5.7	ug/kg	1.1

(Continued on next page)

NGSC-GLU005056

Entact Environmental Services, LLC

Client Sample ID: MW-1(49.5-50)

GC/MS Volatiles

Lot-Sample #...: E6F200341-001 **Work Order #...:** H7R7P1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.7	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.7	ug/kg	2.3
Ethylbenzene	ND	5.7	ug/kg	2.3
Hexachlorobutadiene	ND	5.7	ug/kg	2.3
2-Hexanone	ND	28	ug/kg	11
Isopropylbenzene	ND	5.7	ug/kg	2.3
p-Isopropyltoluene	ND	5.7	ug/kg	2.3
Methylene chloride	ND	5.7	ug/kg	2.3
4-Methyl-2-pentanone	ND	28	ug/kg	11
Methyl tert-butyl ether	ND	5.7	ug/kg	1.1
Naphthalene	ND	5.7	ug/kg	2.3
n-Propylbenzene	ND	5.7	ug/kg	2.3
Styrene	ND	11	ug/kg	2.3
1,1,1,2-Tetrachloroethane	ND	5.7	ug/kg	2.3
1,1,2,2-Tetrachloroethane	ND	5.7	ug/kg	2.3
Tetrachloroethene	ND	5.7	ug/kg	2.3
Toluene	ND	5.7	ug/kg	2.3
1,2,3-Trichlorobenzene	ND	5.7	ug/kg	2.3
1,2,4-Trichloro-benzene	ND	5.7	ug/kg	2.3
1,1,1-Trichloroethane	ND	5.7	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.7	ug/kg	2.3
Trichloroethene	ND	5.7	ug/kg	2.3
Trichlorofluoromethane	ND	11	ug/kg	2.3
1,2,3-Trichloropropane	ND	5.7	ug/kg	2.3
1,1,2-Trichlorotrifluoro-ethane	ND	5.7	ug/kg	2.3
1,2,4-Trimethylbenzene	ND	5.7	ug/kg	2.3
1,3,5-Trimethylbenzene	ND	5.7	ug/kg	2.3
Vinyl chloride	ND	11	ug/kg	2.3
m-Xylene & p-Xylene	ND	5.7	ug/kg	2.3
o-Xylene	ND	5.7	ug/kg	2.3
Xylenes (total)	ND	5.7	ug/kg	2.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(60 - 125)
1,2-Dichloroethane-d4	95	(55 - 125)
Toluene-d8	94	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005057

Entact Environmental Services, LLC

Client Sample ID: MW-1(49.5-50)

General Chemistry

Lot-Sample #...: E6F200341-001 Work Order #...: H7R7P Matrix.....: SO
Date Sampled...: 06/19/06 16:22 Date Received..: 06/20/06 16:45
% Moisture.....: 6.3

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	6.3	0.10	%	MCAWW 160.3 MOD	06/22-06/23/06	6173431

Dilution Factor: 1 Analysis Time..: 13:15 Analyst ID.....: 000064
Instrument ID..: W15 MS Run #.....: 6173320 MDL.....:

NGSC-GLU005058

Entact Environmental Services, LLC

Client Sample ID: MW-1(59.5-60)

GC/MS Volatiles

Lot-Sample #...:	E6F200341-002	Work Order #...:	H7R7T1AA	Matrix.....:	SO
Date Sampled...:	06/19/06 17:30	Date Received..:	06/20/06 16:45	MS Run #.....:	
Prep Date.....:	06/21/06	Analysis Date..:	06/23/06		
Prep Batch #...:	6178594	Analysis Time..:	15:01		
Dilution Factor:	0.88				
% Moisture.....:	17	Analyst ID.....:	999998	Instrument ID..:	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	26	ug/kg	11
Benzene	ND	5.3	ug/kg	2.1
Bromobenzene	ND	5.3	ug/kg	2.1
Bromochloromethane	ND	5.3	ug/kg	1.1
Bromoform	ND	5.3	ug/kg	2.1
Bromomethane	ND	11	ug/kg	2.1
2-Butanone	ND	26	ug/kg	16
n-Butylbenzene	ND	5.3	ug/kg	2.1
sec-Butylbenzene	ND	5.3	ug/kg	2.1
tert-Butylbenzene	ND	5.3	ug/kg	2.1
Carbon disulfide	ND	5.3	ug/kg	2.1
Carbon tetrachloride	ND	5.3	ug/kg	1.1
Chlorobenzene	ND	5.3	ug/kg	2.1
Dibromochloromethane	ND	5.3	ug/kg	2.1
Bromodichloromethane	ND	5.3	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.1
Chloroform	ND	5.3	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.2
2-Chlorotoluene	ND	5.3	ug/kg	2.1
4-Chlorotoluene	ND	5.3	ug/kg	2.1
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.2
1,2-Dibromoethane (EDB)	ND	5.3	ug/kg	2.1
Dibromomethane	ND	5.3	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,3-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,4-Dichlorobenzene	ND	5.3	ug/kg	2.1
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.3	ug/kg	1.1
1,2-Dichloroethane	ND	5.3	ug/kg	1.1
1,1-Dichloroethene	**17**	**5.3**	**ug/kg**	**2.1**
cis-1,2-Dichloroethene	ND	5.3	ug/kg	2.1
trans-1,2-Dichloroethene	ND	5.3	ug/kg	2.1
1,2-Dichloropropane	ND	5.3	ug/kg	1.1
1,3-Dichloropropane	ND	5.3	ug/kg	2.1
2,2-Dichloropropane	ND	5.3	ug/kg	2.1
1,1-Dichloropropene	ND	5.3	ug/kg	1.1

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NGSC-GLU005059

Entact Environmental Services, LLC

Client Sample ID: MW-1(59.5-60)

GC/MS Volatiles

Lot-Sample #...: E6F200341-002 **Work Order #...:** H7R7T1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.3	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.3	ug/kg	2.1
Ethylbenzene	ND	5.3	ug/kg	2.1
Hexachlorobutadiene	ND	5.3	ug/kg	2.1
2-Hexanone	ND	26	ug/kg	11
Isopropylbenzene	ND	5.3	ug/kg	2.1
p-Isopropyltoluene	ND	5.3	ug/kg	2.1
Methylene chloride	ND	5.3	ug/kg	2.1
4-Methyl-2-pentanone	ND	26	ug/kg	11
Methyl tert-butyl ether	ND	5.3	ug/kg	1.1
Naphthalene	ND	5.3	ug/kg	2.1
n-Propylbenzene	ND	5.3	ug/kg	2.1
Styrene	ND	11	ug/kg	2.1
1,1,1,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
1,1,2,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
Tetrachloroethene	**84**	**5.3**	**ug/kg**	**2.1**
Toluene	ND	5.3	ug/kg	2.1
1,2,3-Trichlorobenzene	ND	5.3	ug/kg	2.1
1,2,4-Trichloro-benzene	ND	5.3	ug/kg	2.1
1,1,1-Trichloroethane	ND	5.3	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.3	ug/kg	2.1
Trichloroethene	**12**	**5.3**	**ug/kg**	**2.1**
Trichlorofluoromethane	ND	11	ug/kg	2.1
1,2,3-Trichloropropane	ND	5.3	ug/kg	2.1
1,1,2-Trichlorotrifluoro-ethane	ND	5.3	ug/kg	2.1
1,2,4-Trimethylbenzene	ND	5.3	ug/kg	2.1
1,3,5-Trimethylbenzene	ND	5.3	ug/kg	2.1
Vinyl chloride	ND	11	ug/kg	2.1
m-Xylene & p-Xylene	ND	5.3	ug/kg	2.1
o-Xylene	ND	5.3	ug/kg	2.1
Xylenes (total)	ND	5.3	ug/kg	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(60 - 125)
1,2-Dichloroethane-d4	91	(55 - 125)
Toluene-d8	92	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005060

Entact Environmental Services, LLC

Client Sample ID: MW-1(59.5-60)

General Chemistry

Lot-Sample #...: E6F200341-002 Work Order #...: H7R7T Matrix.....: SO
Date Sampled...: 06/19/06 17:30 Date Received..: 06/20/06 16:45
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	16.8	0.10	%	MCAWW 160.3 MOD	06/22-06/23/06	6173431

Dilution Factor: 1 Analysis Time..: 13:15 Analyst ID.....: 0000640
Instrument ID..: W15 MS Run #.....: 6173320 MDL.....:

NGSC-GLU005061

Entact Environmental Services, LLC

Client Sample ID: MW-1D(69.5-70)

GC/MS Volatiles

Lot-Sample #...:	E6F200341-003	Work Order #...:	H7R7W1AA	Matrix.....:	SO
Date Sampled...:	06/19/06 17:45	Date Received..:	06/20/06 16:45	MS Run #.....:	
Prep Date.....:	06/21/06	Analysis Date..:	06/23/06		
Prep Batch #...:	6178594	Analysis Time..:	15:24		
Dilution Factor:	0.83				
% Moisture.....:	17	Analyst ID.....:	999998	Instrument ID..:	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	10
Benzene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
Bromochloromethane	ND	5.0	ug/kg	1.0
Bromoform	ND	5.0	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
Carbon disulfide	ND	5.0	ug/kg	2.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Dibromochloromethane	ND	5.0	ug/kg	2.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
Chloroethane	ND	10	ug/kg	2.0
Chloroform	ND	5.0	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	2.0
Dibromomethane	ND	5.0	ug/kg	1.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloroethene	**3.1 J**	**5.0**	**ug/kg**	**2.0**
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
1,3-Dichloropropane	ND	5.0	ug/kg	2.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0

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NGSC-GLU005062

Entact Environmental Services, LLC

Client Sample ID: MW-1D(69.5-70)

GC/MS Volatiles

Lot-Sample #...: E6F200341-003 **Work Order #...:** H7R7W1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	2.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
Naphthalene	ND	5.0	ug/kg	2.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
Styrene	ND	10	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	2.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	2.0
Tetrachloroethene	**110**	**5.0**	**ug/kg**	**2.0**
Toluene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
1,2,4-Trichlorobenzene	ND	5.0	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	2.0
Trichloroethene	**3.4 J**	**5.0**	**ug/kg**	**2.0**
Trichlorofluoromethane	ND	10	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	2.0
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
Vinyl chloride	ND	10	ug/kg	2.0
m-Xylene & p-Xylene	ND	5.0	ug/kg	2.0
o-Xylene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(60 - 125)
1,2-Dichloroethane-d4	95	(55 - 125)
Toluene-d8	94	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005063

Entact Environmental Services, LLC

Client Sample ID: MW-1D(69.5-70)

General Chemistry

Lot-Sample #...: E6F200341-003 Work Order #...: H7R7W Matrix.....: SO
Date Sampled...: 06/19/06 17:45 Date Received..: 06/20/06 16:45
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	17.4	0.10	%	MCAWW 160.3 MOD	06/22-06/23/06	6173431

Dilution Factor: 1 Analysis Time..: 13:15 Analyst ID.....: 0000640
Instrument ID..: W15 MS Run #.....: 6173320 MDL.....:

NGSC-GLU005064

Entact Environmental Services, LLC

Client Sample ID: MW-1(69.5-70)

GC/MS Volatiles

Lot-Sample #...:	E6F200341-004	**Work Order #...:**	H7R701AA	**Matrix.....:**	SO
Date Sampled...:	06/19/06 17:50	**Date Received..:**	06/20/06 16:45	**MS Run #.....:**	
Prep Date.....:	06/21/06	**Analysis Date..:**	06/23/06		
Prep Batch #...:	6178594	**Analysis Time..:**	15:47		
Dilution Factor:	0.87				
% Moisture.....:	17	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	26	ug/kg	11
Benzene	ND	5.3	ug/kg	2.1
Bromobenzene	ND	5.3	ug/kg	2.1
Bromochloromethane	ND	5.3	ug/kg	1.1
Bromoform	ND	5.3	ug/kg	2.1
Bromomethane	ND	11	ug/kg	2.1
2-Butanone	ND	26	ug/kg	16
n-Butylbenzene	ND	5.3	ug/kg	2.1
sec-Butylbenzene	ND	5.3	ug/kg	2.1
tert-Butylbenzene	ND	5.3	ug/kg	2.1
Carbon disulfide	ND	5.3	ug/kg	2.1
Carbon tetrachloride	ND	5.3	ug/kg	1.1
Chlorobenzene	ND	5.3	ug/kg	2.1
Dibromochloromethane	ND	5.3	ug/kg	2.1
Bromodichloromethane	ND	5.3	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.1
Chloroform	ND	5.3	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.2
2-Chlorotoluene	ND	5.3	ug/kg	2.1
4-Chlorotoluene	ND	5.3	ug/kg	2.1
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.2
1,2-Dibromoethane (EDB)	ND	5.3	ug/kg	2.1
Dibromomethane	ND	5.3	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,3-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,4-Dichlorobenzene	ND	5.3	ug/kg	2.1
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.3	ug/kg	1.1
1,2-Dichloroethane	ND	5.3	ug/kg	1.1
1,1-Dichloroethene	**5.3**	**5.3**	**ug/kg**	**2.1**
cis-1,2-Dichloroethene	ND	5.3	ug/kg	2.1
trans-1,2-Dichloroethene	ND	5.3	ug/kg	2.1
1,2-Dichloropropane	ND	5.3	ug/kg	1.1
1,3-Dichloropropane	ND	5.3	ug/kg	2.1
2,2-Dichloropropane	ND	5.3	ug/kg	2.1
1,1-Dichloropropene	ND	5.3	ug/kg	1.1

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NGSC-GLU005065

Entact Environmental Services, LLC

Client Sample ID: MW-1(69.5-70)

GC/MS Volatiles

Lot-Sample #...: E6F200341-004 **Work Order #...:** H7R701AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.3	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.3	ug/kg	2.1
Ethylbenzene	ND	5.3	ug/kg	2.1
Hexachlorobutadiene	ND	5.3	ug/kg	2.1
2-Hexanone	ND	26	ug/kg	11
Isopropylbenzene	ND	5.3	ug/kg	2.1
p-Isopropyltoluene	ND	5.3	ug/kg	2.1
Methylene chloride	ND	5.3	ug/kg	2.1
4-Methyl-2-pentanone	ND	26	ug/kg	11
Methyl tert-butyl ether	ND	5.3	ug/kg	1.1
Naphthalene	ND	5.3	ug/kg	2.1
n-Propylbenzene	ND	5.3	ug/kg	2.1
Styrene	ND	11	ug/kg	2.1
1,1,1,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
1,1,2,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
Tetrachloroethene	**150**	**5.3**	**ug/kg**	**2.1**
Toluene	ND	5.3	ug/kg	2.1
1,2,3-Trichlorobenzene	ND	5.3	ug/kg	2.1
1,2,4-Trichloro-benzene	ND	5.3	ug/kg	2.1
1,1,1-Trichloroethane	ND	5.3	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.3	ug/kg	2.1
Trichloroethene	**5.2 J**	**5.3**	**ug/kg**	**2.1**
Trichlorofluoromethane	ND	11	ug/kg	2.1
1,2,3-Trichloropropane	ND	5.3	ug/kg	2.1
1,1,2-Trichlorotrifluoro-ethane	ND	5.3	ug/kg	2.1
1,2,4-Trimethylbenzene	ND	5.3	ug/kg	2.1
1,3,5-Trimethylbenzene	ND	5.3	ug/kg	2.1
Vinyl chloride	ND	11	ug/kg	2.1
m-Xylene & p-Xylene	ND	5.3	ug/kg	2.1
o-Xylene	ND	5.3	ug/kg	2.1
Xylenes (total)	ND	5.3	ug/kg	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(60 - 125)
1,2-Dichloroethane-d4	96	(55 - 125)
Toluene-d8	96	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005066

Entact Environmental Services, LLC

Client Sample ID: MW-1(69.5-70)

General Chemistry

Lot-Sample #...: E6F200341-004 Work Order #...: H7R70 Matrix.....: SO
Date Sampled...: 06/19/06 17:50 Date Received..: 06/20/06 16:45
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	17.4	0.10	%	MCANW 160.3 MOD	06/22-06/23/06	6173431

Dilution Factor: 1 Analysis Time..: 13:15 Analyst ID.....: 0000640
Instrument ID..: W15 MS Run #.....: 6173320 MDL.....:

NGSC-GLU005067

Entact Environmental Services, LLC

Client Sample ID: MW-1(79.5-80)

GC/MS Volatiles

Lot-Sample #...:	E6F200341-005	Work Order #...:	H7R731AA	Matrix.....:	SO
Date Sampled...:	06/20/06 08:10	Date Received..:	06/20/06 16:45	MS Run #.....:	
Prep Date.....:	06/21/06	Analysis Date..:	06/23/06		
Prep Batch #...:	6178594	Analysis Time..:	16:10		
Dilution Factor:	0.88				
% Moisture.....:	15	Analyst ID.....:	999998	Instrument ID..:	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	26	ug/kg	10
Benzene	ND	5.2	ug/kg	2.1
Bromobenzene	ND	5.2	ug/kg	2.1
Bromochloromethane	ND	5.2	ug/kg	1.0
Bromoform	ND	5.2	ug/kg	2.1
Bromomethane	ND	10	ug/kg	2.1
2-Butanone	ND	26	ug/kg	16
n-Butylbenzene	ND	5.2	ug/kg	2.1
sec-Butylbenzene	ND	5.2	ug/kg	2.1
tert-Butylbenzene	ND	5.2	ug/kg	2.1
Carbon disulfide	ND	5.2	ug/kg	2.1
Carbon tetrachloride	ND	5.2	ug/kg	1.0
Chlorobenzene	ND	5.2	ug/kg	2.1
Dibromochloromethane	ND	5.2	ug/kg	2.1
Bromodichloromethane	ND	5.2	ug/kg	1.0
Chloroethane	ND	10	ug/kg	2.1
Chloroform	ND	5.2	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.1
2-Chlorotoluene	ND	5.2	ug/kg	2.1
4-Chlorotoluene	ND	5.2	ug/kg	2.1
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.1
1,2-Dibromoethane (EDB)	ND	5.2	ug/kg	2.1
Dibromomethane	ND	5.2	ug/kg	1.0
1,2-Dichlorobenzene	ND	5.2	ug/kg	2.1
1,3-Dichlorobenzene	ND	5.2	ug/kg	2.1
1,4-Dichlorobenzene	ND	5.2	ug/kg	2.1
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.2	ug/kg	1.0
1,2-Dichloroethane	ND	5.2	ug/kg	1.0
1,1-Dichloroethene	ND	5.2	ug/kg	2.1
cis-1,2-Dichloroethene	ND	5.2	ug/kg	2.1
trans-1,2-Dichloroethene	ND	5.2	ug/kg	2.1
1,2-Dichloropropane	ND	5.2	ug/kg	1.0
1,3-Dichloropropane	ND	5.2	ug/kg	2.1
2,2-Dichloropropane	ND	5.2	ug/kg	2.1
1,1-Dichloropropene	ND	5.2	ug/kg	1.0

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NGSC-GLU005068

Entact Environmental Services, LLC

Client Sample ID: MW-1(79.5-80)

GC/MS Volatiles

Lot-Sample #...: E6F200341-005 **Work Order #...:** H7R731AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.2	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.2	ug/kg	2.1
Ethylbenzene	ND	5.2	ug/kg	2.1
Hexachlorobutadiene	ND	5.2	ug/kg	2.1
2-Hexanone	ND	26	ug/kg	10
Isopropylbenzene	ND	5.2	ug/kg	2.1
p-Isopropyltoluene	ND	5.2	ug/kg	2.1
Methylene chloride	ND	5.2	ug/kg	2.1
4-Methyl-2-pentanone	ND	26	ug/kg	10
Methyl tert-butyl ether	ND	5.2	ug/kg	1.0
Naphthalene	ND	5.2	ug/kg	2.1
n-Propylbenzene	ND	5.2	ug/kg	2.1
Styrene	ND	10	ug/kg	2.1
1,1,1,2-Tetrachloroethane	ND	5.2	ug/kg	2.1
1,1,2,2-Tetrachloroethane	ND	5.2	ug/kg	2.1
Tetrachloroethene	**54**	**5.2**	**ug/kg**	**2.1**
Toluene	ND	5.2	ug/kg	2.1
1,2,3-Trichlorobenzene	ND	5.2	ug/kg	2.1
1,2,4-Trichloro-benzene	ND	5.2	ug/kg	2.1
1,1,1-Trichloroethane	ND	5.2	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.2	ug/kg	2.1
Trichloroethene	ND	5.2	ug/kg	2.1
Trichlorofluoromethane	ND	10	ug/kg	2.1
1,2,3-Trichloropropane	ND	5.2	ug/kg	2.1
1,1,2-Trichlorotrifluoro-ethane	ND	5.2	ug/kg	2.1
1,2,4-Trimethylbenzene	ND	5.2	ug/kg	2.1
1,3,5-Trimethylbenzene	ND	5.2	ug/kg	2.1
Vinyl chloride	ND	10	ug/kg	2.1
m-Xylene & p-Xylene	ND	5.2	ug/kg	2.1
o-Xylene	ND	5.2	ug/kg	2.1
Xylenes (total)	ND	5.2	ug/kg	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(60 - 125)
1,2-Dichloroethane-d4	96	(55 - 125)
Toluene-d8	96	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005069

Entact Environmental Services, LLC

Client Sample ID: MW-1(79.5-80)

General Chemistry

Lot-Sample #...: E6F200341-005 Work Order #...: H7R73 Matrix.....: SO
Date Sampled...: 06/20/06 08:10 Date Received..: 06/20/06 16:45
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	15.3	0.10	%	MCAWW 160.3 MOD	06/22-06/23/06	6173431

Dilution Factor: 1 Analysis Time..: 13:15 Analyst ID.....: 0000640
Instrument ID..: W15 MS Run #.....: 6173320 MDL.....:

NGSC-GLU005070

Entact Environmental Services, LLC

Client Sample ID: MW-1(89.5-90)

GC/MS Volatiles

Lot-Sample #...:	E6F200341-006	Work Order #...:	H7R8C1AA	Matrix.....:	SO
Date Sampled...:	06/20/06 09:05	Date Received..:	06/20/06 16:45	MS Run #.....:	
Prep Date.....:	06/21/06	Analysis Date..:	06/23/06		
Prep Batch #...:	6178594	Analysis Time..:	16:33		
Dilution Factor:	0.8				
% Moisture.....:	12	Analyst ID.....:	999998	Instrument ID..:	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	23	ug/kg	9.1
Benzene	ND	4.5	ug/kg	1.8
Bromobenzene	ND	4.5	ug/kg	1.8
Bromochloromethane	ND	4.5	ug/kg	0.91
Bromoform	ND	4.5	ug/kg	1.8
Bromomethane	ND	9.1	ug/kg	1.8
2-Butanone	ND	23	ug/kg	14
n-Butylbenzene	ND	4.5	ug/kg	1.8
sec-Butylbenzene	ND	4.5	ug/kg	1.8
tert-Butylbenzene	ND	4.5	ug/kg	1.8
Carbon disulfide	ND	4.5	ug/kg	1.8
Carbon tetrachloride	ND	4.5	ug/kg	0.91
Chlorobenzene	ND	4.5	ug/kg	1.8
Dibromochloromethane	ND	4.5	ug/kg	1.8
Bromodichloromethane	ND	4.5	ug/kg	0.91
Chloroethane	ND	9.1	ug/kg	1.8
Chloroform	ND	4.5	ug/kg	0.91
Chloromethane	ND	9.1	ug/kg	2.7
2-Chlorotoluene	ND	4.5	ug/kg	1.8
4-Chlorotoluene	ND	4.5	ug/kg	1.8
1,2-Dibromo-3-chloro-propane	ND	9.1	ug/kg	2.7
1,2-Dibromoethane (EDB)	ND	4.5	ug/kg	1.8
Dibromomethane	ND	4.5	ug/kg	0.91
1,2-Dichlorobenzene	ND	4.5	ug/kg	1.8
1,3-Dichlorobenzene	ND	4.5	ug/kg	1.8
1,4-Dichlorobenzene	ND	4.5	ug/kg	1.8
Dichlorodifluoromethane	ND	9.1	ug/kg	0.91
1,1-Dichloroethane	ND	4.5	ug/kg	0.91
1,2-Dichloroethane	ND	4.5	ug/kg	0.91
1,1-Dichloroethene	**8.8**	**4.5**	**ug/kg**	**1.8**
cis-1,2-Dichloroethene	ND	4.5	ug/kg	1.8
trans-1,2-Dichloroethene	ND	4.5	ug/kg	1.8
1,2-Dichloropropane	ND	4.5	ug/kg	0.91
1,3-Dichloropropane	ND	4.5	ug/kg	1.8
2,2-Dichloropropane	ND	4.5	ug/kg	1.8
1,1-Dichloropropene	ND	4.5	ug/kg	0.91

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NGSC-GLU005071

Entact Environmental Services, LLC

Client Sample ID: MW-1(89.5-90)

GC/MS Volatiles

Lot-Sample #...: E6F200341-006 **Work Order #...:** H7R8C1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	4.5	ug/kg	0.91
trans-1,3-Dichloropropene	ND	4.5	ug/kg	1.8
Ethylbenzene	ND	4.5	ug/kg	1.8
Hexachlorobutadiene	ND	4.5	ug/kg	1.8
2-Hexanone	ND	23	ug/kg	9.1
Isopropylbenzene	ND	4.5	ug/kg	1.8
p-Isopropyltoluene	ND	4.5	ug/kg	1.8
Methylene chloride	ND	4.5	ug/kg	1.8
4-Methyl-2-pentanone	ND	23	ug/kg	9.1
Methyl tert-butyl ether	ND	4.5	ug/kg	0.91
Naphthalene	ND	4.5	ug/kg	1.8
n-Propylbenzene	ND	4.5	ug/kg	1.8
Styrene	ND	9.1	ug/kg	1.8
1,1,1,2-Tetrachloroethane	ND	4.5	ug/kg	1.8
1,1,2,2-Tetrachloroethane	ND	4.5	ug/kg	1.8
Tetrachloroethene	**36**	**4.5**	**ug/kg**	**1.8**
Toluene	ND	4.5	ug/kg	1.8
1,2,3-Trichlorobenzene	ND	4.5	ug/kg	1.8
1,2,4-Trichloro-benzene	ND	4.5	ug/kg	1.8
1,1,1-Trichloroethane	ND	4.5	ug/kg	0.91
1,1,2-Trichloroethane	ND	4.5	ug/kg	1.8
Trichloroethene	**3.8 J**	**4.5**	**ug/kg**	**1.8**
Trichlorofluoromethane	ND	9.1	ug/kg	1.8
1,2,3-Trichloropropane	ND	4.5	ug/kg	1.8
1,1,2-Trichlorotrifluoro-ethane	ND	4.5	ug/kg	1.8
1,2,4-Trimethylbenzene	ND	4.5	ug/kg	1.8
1,3,5-Trimethylbenzene	ND	4.5	ug/kg	1.8
Vinyl chloride	ND	9.1	ug/kg	1.8
m-Xylene & p-Xylene	ND	4.5	ug/kg	1.8
o-Xylene	ND	4.5	ug/kg	1.8
Xylenes (total)	ND	4.5	ug/kg	1.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	96	(60 - 125)
1,2-Dichloroethane-d4	92	(55 - 125)
Toluene-d8	95	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005072

Entact Environmental Services, LLC

Client Sample ID: MW-1(89.5-90)

General Chemistry

Lot-Sample #...: E6F200341-006 **Work Order #...:** H7R8C **Matrix.....:** SO
Date Sampled...: 06/20/06 09:05 **Date Received..:** 06/20/06 16:45
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**11.9**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/22-06/23/06**	**6173431**

Dilution Factor: 1 Analysis Time..: 13:15 Analyst ID.....: 0000640
Instrument ID..: W15 MS Run #.....: 6173320 MDL.....:

NGSC-GLU005073

Entact Environmental Services, LLC

Client Sample ID: MW-1(99.5-100)

GC/MS Volatiles

Lot-Sample #...: E6F200341-007 Work Order #...: H7R8F1AA Matrix.....: SO
Date Sampled...: 06/20/06 09:40 Date Received..: 06/20/06 16:45 MS Run #.....:
Prep Date.....: 06/21/06 Analysis Date..: 06/23/06
Prep Batch #...: 6178594 Analysis Time..: 16:56
Dilution Factor: 0.86
% Moisture.....: 18 Analyst ID.....: 999998 Instrument ID..: MSP
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	26	ug/kg	11
Benzene	ND	5.3	ug/kg	2.1
Bromobenzene	ND	5.3	ug/kg	2.1
Bromochloromethane	ND	5.3	ug/kg	1.1
Bromoform	ND	5.3	ug/kg	2.1
Bromomethane	ND	11	ug/kg	2.1
2-Butanone	ND	26	ug/kg	16
n-Butylbenzene	ND	5.3	ug/kg	2.1
sec-Butylbenzene	ND	5.3	ug/kg	2.1
tert-Butylbenzene	ND	5.3	ug/kg	2.1
Carbon disulfide	ND	5.3	ug/kg	2.1
Carbon tetrachloride	ND	5.3	ug/kg	1.1
Chlorobenzene	ND	5.3	ug/kg	2.1
Dibromochloromethane	ND	5.3	ug/kg	2.1
Bromodichloromethane	ND	5.3	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.1
Chloroform	ND	5.3	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.2
2-Chlorotoluene	ND	5.3	ug/kg	2.1
4-Chlorotoluene	ND	5.3	ug/kg	2.1
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.2
1,2-Dibromoethane (EDB)	ND	5.3	ug/kg	2.1
Dibromomethane	ND	5.3	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,3-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,4-Dichlorobenzene	ND	5.3	ug/kg	2.1
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.3	ug/kg	1.1
1,2-Dichloroethane	ND	5.3	ug/kg	1.1
1,1-Dichloroethene	ND	5.3	ug/kg	2.1
cis-1,2-Dichloroethene	ND	5.3	ug/kg	2.1
trans-1,2-Dichloroethene	ND	5.3	ug/kg	2.1
1,2-Dichloropropane	ND	5.3	ug/kg	1.1
1,3-Dichloropropane	ND	5.3	ug/kg	2.1
2,2-Dichloropropane	ND	5.3	ug/kg	2.1
1,1-Dichloropropene	ND	5.3	ug/kg	1.1

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NGSC-GLU005074

Entact Environmental Services, LLC

Client Sample ID: MW-1(99.5-100)

GC/MS Volatiles

Lot-Sample #...: E6F200341-007 **Work Order #...:** H7R8F1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.3	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.3	ug/kg	2.1
Ethylbenzene	ND	5.3	ug/kg	2.1
Hexachlorobutadiene	ND	5.3	ug/kg	2.1
2-Hexanone	ND	26	ug/kg	11
Isopropylbenzene	ND	5.3	ug/kg	2.1
p-Isopropyltoluene	ND	5.3	ug/kg	2.1
Methylene chloride	ND	5.3	ug/kg	2.1
4-Methyl-2-pentanone	ND	26	ug/kg	11
Methyl tert-butyl ether	ND	5.3	ug/kg	1.1
Naphthalene	ND	5.3	ug/kg	2.1
n-Propylbenzene	ND	5.3	ug/kg	2.1
Styrene	ND	11	ug/kg	2.1
1,1,1,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
1,1,2,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
Tetrachloroethene	**2.5 J**	**5.3**	**ug/kg**	**2.1**
Toluene	ND	5.3	ug/kg	2.1
1,2,3-Trichlorobenzene	ND	5.3	ug/kg	2.1
1,2,4-Trichloro-benzene	ND	5.3	ug/kg	2.1
1,1,1-Trichloroethane	ND	5.3	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.3	ug/kg	2.1
Trichloroethene	**4.0 J**	**5.3**	**ug/kg**	**2.1**
Trichlorofluoromethane	ND	11	ug/kg	2.1
1,2,3-Trichloropropane	ND	5.3	ug/kg	2.1
1,1,2-Trichlorotrifluoro-ethane	ND	5.3	ug/kg	2.1
1,2,4-Trimethylbenzene	ND	5.3	ug/kg	2.1
1,3,5-Trimethylbenzene	ND	5.3	ug/kg	2.1
Vinyl chloride	ND	11	ug/kg	2.1
m-Xylene & p-Xylene	ND	5.3	ug/kg	2.1
o-Xylene	ND	5.3	ug/kg	2.1
Xylenes (total)	ND	5.3	ug/kg	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	101	(60 - 125)
1,2-Dichloroethane-d4	97	(55 - 125)
Toluene-d8	95	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005075

Entact Environmental Services, LLC

Client Sample ID: MW-1(99.5-100)

General Chemistry

Lot-Sample #...: E6F200341-007 Work Order #...: H7R8F Matrix.....: SO
Date Sampled...: 06/20/06 09:40 Date Received..: 06/20/06 16:45
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	18.4	0.10	%	MCAWW 160.3 MOD	06/22-06/23/06	6173431

Dilution Factor: 1 Analysis Time..: 13:15 Analyst ID.....: 0000640
Instrument ID..: W15 MS Run #.....: 6173320 MDL.....:

NGSC-GLU005076

Entact Environmental Services, LLC

Client Sample ID: MW-1(109.5-110)

GC/MS Volatiles

Lot-Sample #...:	E6F200341-008	Work Order #...:	H7R8H1AA	Matrix.....:	SO
Date Sampled...:	06/20/06 10:25	Date Received..:	06/20/06 16:45	MS Run #.....:	
Prep Date.....:	06/21/06	Analysis Date..:	06/23/06		
Prep Batch #...:	6178594	Analysis Time..:	17:19		
Dilution Factor:	0.86				
% Moisture.....:	14	Analyst ID.....:	999998	Instrument ID..:	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	10
Benzene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
Bromochloromethane	ND	5.0	ug/kg	1.0
Bromoform	ND	5.0	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
Carbon disulfide	ND	5.0	ug/kg	2.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Dibromochloromethane	ND	5.0	ug/kg	2.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
Chloroethane	ND	10	ug/kg	2.0
Chloroform	ND	5.0	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	2.0
Dibromomethane	ND	5.0	ug/kg	1.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
1,3-Dichloropropane	ND	5.0	ug/kg	2.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0

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NGSC-GLU005077

Entact Environmental Services, LLC

Client Sample ID: MW-1(109.5-110)

GC/MS Volatiles

Lot-Sample #...: E6F200341-008 Work Order #...: H7R8H1AA Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	2.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
Naphthalene	ND	5.0	ug/kg	2.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
Styrene	ND	10	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	2.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	2.0
Tetrachloroethene	ND	5.0	ug/kg	2.0
Toluene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
1,2,4-Trichlorobenzene	ND	5.0	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	2.0
Trichloroethene	**13**	**5.0**	**ug/kg**	**2.0**
Trichlorofluoromethane	ND	10	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	2.0
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
Vinyl chloride	ND	10	ug/kg	2.0
m-Xylene & p-Xylene	ND	5.0	ug/kg	2.0
o-Xylene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(60 - 125)
1,2-Dichloroethane-d4	96	(55 - 125)
Toluene-d8	94	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005078

Entact Environmental Services, LLC

Client Sample ID: MW-1(109.5-110)

General Chemistry

Lot-Sample #...: E6F200341-008 Work Order #...: H7R8H Matrix.....: SO
Date Sampled...: 06/20/06 10:25 Date Received..: 06/20/06 16:45
% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	14.3	0.10	%	MCAWW 160.3 MOD	06/22-06/23/06	6173431

Dilution Factor: 1 Analysis Time..: 13:15 Analyst ID.....: 0000640
Instrument ID..: W15 MS Run #.....: 6173320 MDL.....:

NGSC-GLU005079

Entact Environmental Services, LLC

Client Sample ID: MW-1(119.5-120)

GC/MS Volatiles

Lot-Sample #...: E6F200341-009 Work Order #...: H7R8L1AA Matrix.....: SO
Date Sampled...: 06/20/06 11:30 Date Received..: 06/20/06 16:45 MS Run #.....:
Prep Date.....: 06/21/06 Analysis Date..: 06/23/06
Prep Batch #...: 6178594 Analysis Time..: 17:42
Dilution Factor: 0.91
% Moisture.....: 9.0 Analyst ID.....: 999998 Instrument ID..: MSP
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	10
Benzene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
Bromochloromethane	ND	5.0	ug/kg	1.0
Bromoform	ND	5.0	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
Carbon disulfide	ND	5.0	ug/kg	2.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Dibromochloromethane	ND	5.0	ug/kg	2.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
Chloroethane	ND	10	ug/kg	2.0
Chloroform	ND	5.0	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	2.0
Dibromomethane	ND	5.0	ug/kg	1.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
1,3-Dichloropropane	ND	5.0	ug/kg	2.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0

(Continued on next page)

NGSC-GLU005080

Entact Environmental Services, LLC

Client Sample ID: MW-1(119.5-120)

GC/MS Volatiles

Lot-Sample #...: E6F200341-009 Work Order #...: H7R8L1AA Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	2.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
Naphthalene	ND	5.0	ug/kg	2.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
Styrene	ND	10	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	2.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	2.0
Tetrachloroethene	ND	5.0	ug/kg	2.0
Toluene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
1,2,4-Trichlorobenzene	ND	5.0	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	2.0
Trichloroethene	ND	5.0	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	2.0
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
Vinyl chloride	ND	10	ug/kg	2.0
m-Xylene & p-Xylene	ND	5.0	ug/kg	2.0
o-Xylene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(60 - 125)
1,2-Dichloroethane-d4	96	(55 - 125)
Toluene-d8	94	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005081

Entact Environmental Services, LLC

Client Sample ID: MW-1(119.5-120)

General Chemistry

Lot-Sample #...: E6F200341-009 Work Order #...: H7R8L Matrix.....: SO
Date Sampled...: 06/20/06 11:30 Date Received..: 06/20/06 16:45
% Moisture.....: 9.0

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	9.0	0.10	%	MCAWW 160.3 MOD	06/22-06/23/06	6173431

Dilution Factor: 1 Analysis Time..: 13:15 Analyst ID.....: 0000640
Instrument ID..: W15 MS Run #.....: 6173320 MDL.....:

NGSC-GLU005082

SEVERN TRENT STL

QA/QC

NGSC-GLU005083

QC DATA ASSOCIATION SUMMARY

E6F200341

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SO	SW846 8260B		6178594	
	SO	MCAWW 160.3 MOD		6173431	6173320
002	SO	SW846 8260B		6178594	
	SO	MCAWW 160.3 MOD		6173431	6173320
003	SO	SW846 8260B		6178594	
	SO	MCAWW 160.3 MOD		6173431	6173320
004	SO	SW846 8260B		6178594	
	SO	MCAWW 160.3 MOD		6173431	6173320
005	SO	SW846 8260B		6178594	
	SO	MCAWW 160.3 MOD		6173431	6173320
006	SO	SW846 8260B		6178594	
	SO	MCAWW 160.3 MOD		6173431	6173320
007	SO	SW846 8260B		6178594	
	SO	MCAWW 160.3 MOD		6173431	6173320
008	SO	SW846 8260B		6178594	
	SO	MCAWW 160.3 MOD		6173431	6173320
009	SO	SW846 8260B		6178594	
	SO	MCAWW 160.3 MOD		6173431	6173320

NGSC-GLU005084

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6F200341
MB Lot-Sample #: E6F270000-594
Analysis Date..: 06/23/06
Dilution Factor: 1

Work Order #...: H8CE01AA
Prep Date.....: 06/21/06
Prep Batch #...: 6178594
Analyst ID.....: 999998

Matrix.....: SOLID
Analysis Time..: 14:14
Instrument ID..: MSP

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	25	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	SW846 8260B
Dibromomethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B

(Continued on next page)

NGSC-GLU005085

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6F200341 **Work Order #...:** H8CE01AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
Naphthalene	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	10	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	5.0	ug/kg	SW846 8260B
o-Xylene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(60 - 125)
1,2-Dichloroethane-d4	91	(55 - 125)
Toluene-d8	93	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NGSC-GLU005086

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6F200341 **Work Order #...:** H8CE01AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: E6F270000-594 H8CE01AD-LCSD
Prep Date.....: 06/21/06 **Analysis Date..:** 06/23/06
Prep Batch #...: 6178594 **Analysis Time..:** 13:28
Dilution Factor: 1 **Instrument ID..:** MSP
Analyst ID.....: 999998

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**109**	**(70 - 130)**			**SW846 8260B**
	111	**(70 - 130)**	**1.4**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**111**	**(70 - 130)**			**SW846 8260B**
	113	**(70 - 130)**	**1.5**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethene	**117**	**(50 - 160)**			**SW846 8260B**
	116	**(50 - 160)**	**1.1**	**(0-30)**	**SW846 8260B**
Toluene	**109**	**(70 - 130)**			**SW846 8260B**
	112	**(70 - 130)**	**2.8**	**(0-30)**	**SW846 8260B**
Trichloroethene	**113**	**(70 - 135)**			**SW846 8260B**
	116	**(70 - 135)**	**2.8**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(60 - 125)
	93	(60 - 125)
1,2-Dichloroethane-d4	90	(55 - 125)
	91	(55 - 125)
Toluene-d8	97	(60 - 125)
	96	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU005087

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6F200341
LCS Lot-Sample#: E6F270000-594
Prep Date.....: 06/21/06
Prep Batch #...: 6178594
Dilution Factor: 1
Analyst ID.....: 999998

Work Order #...: H8CE01AC-LCS
H8CE01AD-LCSD
Analysis Date..: 06/23/06
Analysis Time..: 13:28
Instrument ID..: MSP

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**50.0**	**54.6**	**ug/kg**	**109**		**SW846 8260B**
	50.0	**55.4**	**ug/kg**	**111**	**1.4**	**SW846 8260B**
Chlorobenzene	**50.0**	**55.6**	**ug/kg**	**111**		**SW846 8260B**
	50.0	**56.5**	**ug/kg**	**113**	**1.5**	**SW846 8260B**
1,1-Dichloroethene	**50.0**	**58.7**	**ug/kg**	**117**		**SW846 8260B**
	50.0	**58.0**	**ug/kg**	**116**	**1.1**	**SW846 8260B**
Toluene	**50.0**	**54.6**	**ug/kg**	**109**		**SW846 8260B**
	50.0	**56.2**	**ug/kg**	**112**	**2.8**	**SW846 8260B**
Trichloroethene	**50.0**	**56.6**	**ug/kg**	**113**		**SW846 8260B**
	50.0	**58.2**	**ug/kg**	**116**	**2.8**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(60 - 125)
	93	(60 - 125)
1,2-Dichloroethane-d4	90	(55 - 125)
	91	(55 - 125)
Toluene-d8	97	(60 - 125)
	96	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU005088

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: E6F200341 **Work Order #...:** H7R7P-SMP H7R7P-DUP **Matrix.....:** SO

Date Sampled...: 06/19/06 16:22 **Date Received..:** 06/20/06 16:45

% Moisture.....: 6.3

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	E6F200341-001	
	6.3	5.7	%	10	(0-10)	MCAWW 160.3 MOD	06/22-06/23/06	6173431

Dilution Factor: 1 Analysis Time..: 13:15 Analyst ID.....: 000064

Instrument ID..: W15 MS Run Number..: 6173320

NGSC-GLU005089

SEVERN TRENT STL

Subcontract Reports

NGSC-GLU005090

PTS Laboratories
ENVIRONMENTAL SERVICES

June 26, 2006

Ms. Linda Scharpenburg
STL Inc.
1721 S. Grand Ave.
Santa Ana, CA 92705

Re: E6F200341
File: 36472

Dear Ms. Scharpenburg:

Enclosed are final data for samples submitted from your Project # E6F200341. Electronic versions of the data have been previously sent to your attention. All analyses were performed by applicable ASTM, EPA or API methodology. The samples are currently in storage and will be held for thirty days before disposal.

We appreciate the opportunity to be of service and trust these data will prove beneficial in the development of this project. Please call me at (562) 907-3607 with any questions or if you require additional information.

Sincerely,
PTS Laboratories, Inc.

Larry Kunkel
District Manager

LAK:vk

Encl.

8100 Secura Way – Santa Fe Springs, CA 90670
Phone 562.907.3607 Fax 562.907.3610
www.ptsgeolabs.com

E6F200341

PTS Laboratories, Inc.

STL - Los Angeles
PTS File No: 36472

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D422/D4464M)

ROJECT NAME: E6F200341
ROJECT NO: N/A

Sample ID	Depth, ft.	Mean Grain Size Description (1)	Median Grain Size mm	Particle Size Distribution, wt. percent						Silt & Clay
				Gravel	Sand Size			Silt	Clay	
					Coarse	Medium	Fine			
MW-1 (97-98)	N/A	Silt	0.011	0.00	0.00	0.20	16.64	52.97	30.19	83.16

ased on Mean from Trask

48

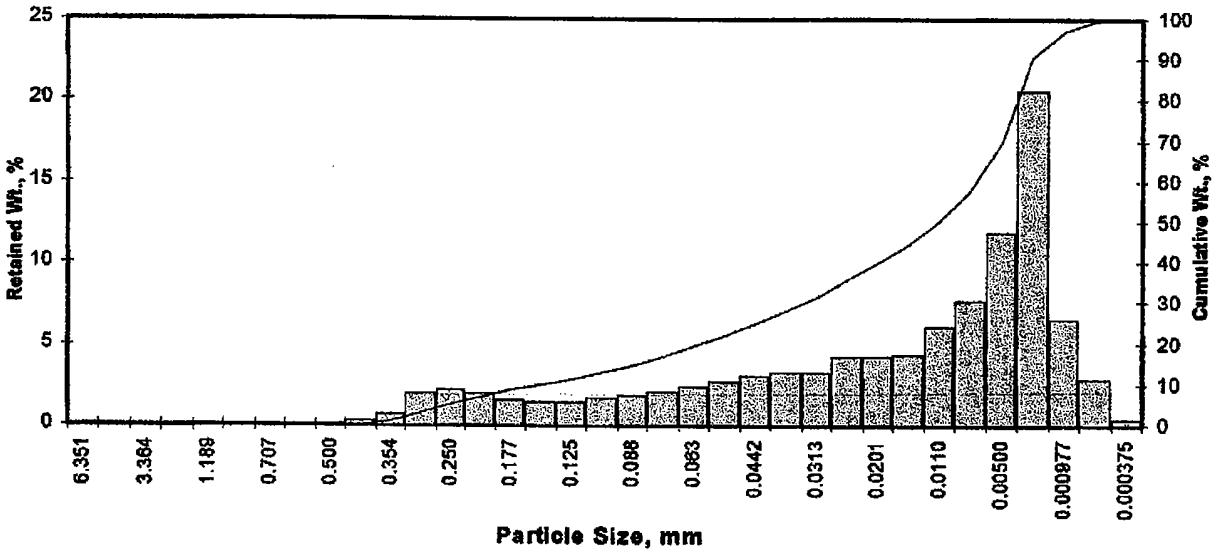
NGSC-GLU005092

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	STL - Los Angeles	**PTS File No:**	36472
Project:	E6F200341	**Sample ID:**	MW-1 (97-98)
Project No:	N/A	**Depth, ft:**	N/A

Grv	Sand Size			Silt	Clay
	crs	medium	fine		



Opening Inches	Opening Millimeters	Phi of Screen	U.S. No.	Sample Weight, grams	Increment Weight, percent	Cumulative Weight, percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.00	0.00	0.00
0.0234	0.595	0.75	30	0.00	0.00	0.00
0.0197	0.500	1.00	35	0.01	0.01	0.01
0.0166	0.420	1.25	40	0.19	0.19	0.20
0.0139	0.354	1.50	45	0.67	0.67	0.87
0.0117	0.297	1.75	50	1.99	1.99	2.86
0.0098	0.250	2.00	60	2.20	2.20	5.06
0.0083	0.210	2.25	70	1.99	1.99	7.04
0.0070	0.177	2.50	80	1.55	1.55	8.59
0.0059	0.149	2.75	100	1.37	1.37	9.96
0.0049	0.125	3.00	120	1.43	1.43	11.39
0.0041	0.105	3.25	140	1.59	1.59	12.98
0.0035	0.088	3.50	170	1.79	1.79	14.77
0.0029	0.074	3.75	200	2.07	2.07	16.84
0.0025	0.063	4.00	230	2.40	2.40	19.24
0.0021	0.053	4.25	270	2.74	2.74	21.98
0.00174	0.0442	4.50	325	3.04	3.04	25.02
0.00146	0.0372	4.75	400	3.20	3.20	28.22
0.00123	0.0313	5.00	450	3.26	3.26	31.48
0.000986	0.0250	5.32	500	4.22	4.22	35.69
0.000790	0.0201	5.64	635	4.20	4.20	39.89
0.000615	0.0156	6.00		4.33	4.33	44.22
0.000435	0.0110	6.50		6.06	6.06	50.28
0.000308	0.00781	7.00		7.64	7.64	57.92
0.000197	0.00500	7.65		11.90	11.90	69.81
0.000077	0.00195	9.00		20.60	20.59	90.40
0.000038	0.000977	10.00		6.51	6.51	96.91
0.000019	0.000488	11.00		2.80	2.80	99.71
0.000015	0.000375	11.38		0.29	0.29	100.00
TOTALS				100.00	100.00	100.00

Cumulative Weight Percent greater than			
Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	1.99	0.0099	0.251
10	2.76	0.0058	0.148
16	3.65	0.0031	0.080
25	4.50	0.0017	0.044
40	5.65	0.0008	0.020
50	6.48	0.0004	0.011
60	7.11	0.0003	0.007
75	7.99	0.0002	0.004
84	8.58	0.0001	0.003
90	8.97	0.0001	0.002
95	9.71	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	6.48	6.48	6.48
Median, in.	0.0004	0.0004	0.0004
Median, mm	0.011	0.011	0.011
Mean, phi	5.36	6.11	6.23
Mean, in.	0.0009	0.0006	0.0005
Mean, mm	0.024	0.014	0.013
Sorting	3.350	2.465	2.401
Skewness	1.177	-0.147	-0.155
Kurtosis	0.138	0.564	0.906
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	0.20
Fine Sand	200	16.64
Silt	>0.005 mm	52.97
Clay	<0.005 mm	30.19
	Total	100

NGSC-GLU005093

E6F200341

Chain of Custody Record

PTS LABS 36472

SEVERN TRENT STL®
Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: STL - Los Angeles	Project Manager: Linda Scharpenberg	Date: 6/21/06	Chain of Custody Number: 281533
Address: 1721 S. Grand ave	Telephone Number (Area Code)/Fax Number: 714-258-8610	Lab Number: E6F200341	Page 1 of 1
City: Santa Ana; State: CA; Zip Code: 92705	Site Contact: —	Lab Contact: L. Scharpenberg	
Project Name and Location (State): E6F200341	Carrier/Waybill Number: —		
Contract/Purchase Order/Quote No.: —			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): Gain Size	Special Instructions/ Conditions of Receipt
MW-1 (97-98)	6/20/06	1003				X	X						X	1x foil wrap

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 72 hours

QC Requirements (Specify)

1. Relinquished By: [signature]	Date: 6/21/06	Time: 15:20	1. Received By: [signature] PTS LABS	Date: 06/21/06	Time: 15:2
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

50

NGSC-GLU005094

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

June 28, 2006

STL LOT NUMBER: **E6F210382**

Greg Rainwater
Entact Environmental Services,
3129 Bass Pro Drive
Grapevine, TX 76051

Dear Greg Rainwater,

This report contains the analytical results for the eight samples received under chain of custody by Severn Trent Laboratories (STL) on June 21, 2006. These samples are associated with your Johnson Controls, Fullerton CA project.

STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP certification numbers for STL Los Angeles are 01118CA and E87652 FL.

Any matrix related anomaly is footnoted within the report. A cooler receipt temperature of 2 to 6 degrees Celsius is considered within acceptance criteria. Please refer to the Project Receipt Checklist for specific container temperature and conditions.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000046 pages

CASE NARRATIVE

Historical control limits for the LCS are used to define the estimate of uncertainty for a method.

All applicable quality control procedures met method-specified acceptance criteria unless noted below.

If you have any questions, please feel free to call me at (714) 258-8610 extension 325.

Sincerely,

Linda Scharpenberg
Customer Service Manager

cc: Project File

NGSC-GLU005096

E6F210382

Chain of Custody Record

SEVERN TRENT **STL**®

Severn Trent Laboratories, Inc.

E6F210382

TL-4124 (0901)

Client: ENTACT	Project Manager: GREG Rainwater	Date: 6/21/06	Chain of Custody Number: 281508
Address: 3129 Bass Pro Drive	Telephone Number (Area Code)/Fax Number: 972/580-1323	Lab Number:	Page 1 of 1
City: GRAPEVINE State: TX Zip Code: 76051	Site Contact: M. Garrigan	Lab Contact: Terry Swart	
Project Name and Location (State): Fullerton, CA - JC1	Carrier/Waybill Number: Courier		
Contract/Purchase Order/Quote No.: C1613			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOC (8260)	Special Instructions/ Conditions of Receipt
MW-2 (4.5-5)	6/21/06	0955				X							X	
MW-2 (9.5-10)		1020				X							X	
MW-2 (19.5-20)		1055				X							X	
MW-2 (29.5-30)		1111				X							X	
MW-2 (39.5-40)		1215				X							X	
MW-2 (49.5-50)		1425				X							X	
MW-2D (49.5-50)		1430				X							X	
MW-2 (59.5-60)		1505				X							X	

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 5 days

QC Requirements (Specify):

1. Relinquished By: Michael Garrigan/ENTACT	Date: 6/21/06	Time: 1600	1. Received By: Usain Padilla	Date: 6/21/06	Time: 1600
2. Relinquished By: Usain Padilla	Date: 6/21/06	Time: 1625	2. Received By: [signature]	Date: 6/21/06	Time: 1625
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments: Temp - 4.8 - 0.3 = 4.5

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

3

NGSC-GLU005097

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 6/21/06

Single Cooler Only

LIMS Lot #: E6F210382 Quote #: 68553

Client Name: Entact Project: JCI Fullerton, CA

Received by: SG Date/Time Received: 6/21/06 1625

Delivered by : ☐ Client ☒ STL ☐ DHL ☐ Fed Ex ☐ UPS ☐ Other

****

Initial / Date

Custody Seal Status Cooler: ☐ Intact ☐ Broken ☒ None ..... SG 6/21/06

Custody Seal Status Samples: ☐ Intact ☐ Broken ☒ None .....

Custody Seal #(s): N/A ☒ No Seal #.....

Sampler Signature on COC ☐ Yes ☐ No ☒ N/A.....

IR Gun # A Correction Factor -.3 °C IR passed daily verification ☒ Yes ☐ No .....

Temperature - BLANK 4.8 °C - .3 CF = 4.5 °C ... Cooler #1 ID N/A .....

Temperature – COOLER (°C °C °C °C) = avg °C - .3 CF = °C.....

Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒ N/A...

Sample Container(s): ☒ STL-LA ☐ Client .....

pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒ N/A..

Anomalies: ☒ No ☐ Yes – complete CUR and Create NCM .....

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ Yes ☐ No.....

Labeled by: SG .....

****

Turn Around Time: ☐ RUSH–24HR ☐ RUSH–48HR ☐ RUSH–72HR ☒ NORMAL..... SG 6/21/06

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐ YES ☒ N/A SG 6/21/06

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

NGSC-GLU005098

LIMS Lot # E6F210382

PROJECT RECEIPT CHECKLIST Cont'd

Fraction	1-8													
pH														
CW	1													
5g E	2													
25g E	1													

6/21/06

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☐YES ☒N/A 6/21/06

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **CUSTODY SEALS (COOLER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CONTAINER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☐ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other ☐ COC not received – notify PM
- **CONTAINERS**
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
  - ☐ Will be noted on COC--Client to send samples with new COC
  - ☐ Mislabeled as to tests, preservatives, etc.
  - ☐ Holding time expired – list sample ID and test
  - ☐ Improper container used
  - ☐ Not preserved/Improper preservative used
  - ☐ Improper pH _____ Lab to preserve sample and document
  - ☐ Insufficient quantities for analysis ☐ Other

Comments:

☐ Corrective Action Implemented:

☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____

☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: Albert Vargas 6-21-06 Logged in by other STL ☐ ____ PM Review/Date: 6/21/06

NGSC-GLU005099

SEVERN TRENT STL

Analytical Report

E6F210382

NGSC-GLU005100

ANALYTICAL REPORT

Johnson Controls, Fullerton CA

Lot #: E6F210382

Greg Rainwater

Entact Environmental Services,

SEVERN TRENT LABORATORIES, INC.

Linda Scharpenberg
Project Manager

June 28, 2006

NGSC-GLU005101

EXECUTIVE SUMMARY - Detection Highlights

E6F210382

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-2 (4.5-5) 06/21/06 09:55 001				
Tetrachloroethene	1500	240	ug/kg	SW846 8260B
Trichloroethene	210 J	240	ug/kg	SW846 8260B
Percent Moisture	7.8	0.10	%	MCAWW 160.3 MOD
MW-2 (9.5-10) 06/21/06 10:20 002				
Tetrachloroethene	1400	290	ug/kg	SW846 8260B
Trichloroethene	100 J	290	ug/kg	SW846 8260B
Percent Moisture	23.5	0.10	%	MCAWW 160.3 MOD
MW-2 (19.5-20) 06/21/06 10:55 003				
cis-1,2-Dichloroethene	13	5.3	ug/kg	SW846 8260B
Tetrachloroethene	180	5.3	ug/kg	SW846 8260B
Trichloroethene	17	5.3	ug/kg	SW846 8260B
Percent Moisture	12.9	0.10	%	MCAWW 160.3 MOD
MW-2 (29.5-30) 06/21/06 11:11 004				
Tetrachloroethene	2200	270	ug/kg	SW846 8260B
Trichloroethene	320	270	ug/kg	SW846 8260B
Percent Moisture	20.9	0.10	%	MCAWW 160.3 MOD
MW-2 (39.5-40) 06/21/06 12:15 005				
1,1-Dichloroethene	26	5.4	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	9.6	5.4	ug/kg	SW846 8260B
Tetrachloroethene	250	5.4	ug/kg	SW846 8260B
Trichloroethene	98	5.4	ug/kg	SW846 8260B
Percent Moisture	14.4	0.10	%	MCAWW 160.3 MOD
MW-2 (49.5-50) 06/21/06 14:25 006				
Tetrachloroethene	9.5	5.9	ug/kg	SW846 8260B
Trichloroethene	2.5 J	5.9	ug/kg	SW846 8260B
Percent Moisture	3.0	0.10	%	MCAWW 160.3 MOD
MW-2D (49.5-50) 06/21/06 14:30 007				
Tetrachloroethene	7.8	6.0	ug/kg	SW846 8260B
Percent Moisture	8.1	0.10	%	MCAWW 160.3 MOD

(Continued on next page)

NGSC-GLU005102

EXECUTIVE SUMMARY - Detection Highlights

E6F210382

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-2 (59.5-60) 06/21/06 15:05 008				
1,1-Dichloroethene	60	5.7	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	5.0 J	5.7	ug/kg	SW846 8260B
Tetrachloroethene	36	5.7	ug/kg	SW846 8260B
Trichloroethene	120	5.7	ug/kg	SW846 8260B
Percent Moisture	20.4	0.10	%	MCAWW 160.3 MOD

NGSC-GLU005103

METHODS SUMMARY

E6F210382

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5035

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

NGSC-GLU005104

SAMPLE SUMMARY

E6F210382

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H7W9K	001	MW-2 (4.5-5)	06/21/06	09:55
H7W9L	002	MW-2 (9.5-10)	06/21/06	10:20
H7W9M	003	MW-2 (19.5-20)	06/21/06	10:55
H7W9N	004	MW-2 (29.5-30)	06/21/06	11:11
H7W9P	005	MW-2 (39.5-40)	06/21/06	12:15
H7W9Q	006	MW-2 (49.5-50)	06/21/06	14:25
H7W9R	007	MW-2D (49.5-50)	06/21/06	14:30
H7W9T	008	MW-2 (59.5-60)	06/21/06	15:05

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

NGSC-GLU005105

Entact Environmental Services, LLC

Client Sample ID: MW-2 (4.5-5)

GC/MS Volatiles

Lot-Sample #...:	E6F210382-001	Work Order #...:	H7W9K1AA	Matrix.....:	SO
Date Sampled...:	06/21/06 09:55	Date Received..:	06/21/06 16:25	MS Run #.....:	
Prep Date.....:	06/22/06	Analysis Date..:	06/24/06		
Prep Batch #...:	6179338	Analysis Time..:	17:36		
Dilution Factor:	0.87				
% Moisture.....:	7.8	Analyst ID.....:	999998	Instrument ID..:	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	1200	ug/kg	380
Benzene	ND	240	ug/kg	94
Bromobenzene	ND	240	ug/kg	66
Bromochloromethane	ND	240	ug/kg	71
Bromoform	ND	240	ug/kg	94
Bromomethane	ND	470	ug/kg	240
2-Butanone	ND	1200	ug/kg	470
n-Butylbenzene	ND	240	ug/kg	66
sec-Butylbenzene	ND	240	ug/kg	66
tert-Butylbenzene	ND	240	ug/kg	66
Carbon disulfide	ND	240	ug/kg	94
Carbon tetrachloride	ND	240	ug/kg	57
Chlorobenzene	ND	240	ug/kg	94
Dibromochloromethane	ND	240	ug/kg	94
Bromodichloromethane	ND	240	ug/kg	94
Chloroethane	ND	470	ug/kg	240
Chloroform	ND	240	ug/kg	66
Chloromethane	ND	470	ug/kg	190
2-Chlorotoluene	ND	240	ug/kg	66
4-Chlorotoluene	ND	240	ug/kg	66
1,2-Dibromo-3-chloro-propane	ND	470	ug/kg	140
1,2-Dibromoethane (EDB)	ND	240	ug/kg	66
Dibromomethane	ND	240	ug/kg	100
1,2-Dichlorobenzene	ND	240	ug/kg	94
1,3-Dichlorobenzene	ND	240	ug/kg	66
1,4-Dichlorobenzene	ND	240	ug/kg	94
Dichlorodifluoromethane	ND	470	ug/kg	160
1,1-Dichloroethane	ND	240	ug/kg	94
1,2-Dichloroethane	ND	240	ug/kg	66
1,1-Dichloroethene	ND	240	ug/kg	110
cis-1,2-Dichloroethene	ND	240	ug/kg	94
trans-1,2-Dichloroethene	ND	240	ug/kg	110
1,2-Dichloropropane	ND	240	ug/kg	94
1,3-Dichloropropane	ND	240	ug/kg	94
2,2-Dichloropropane	ND	240	ug/kg	57
1,1-Dichloropropene	ND	240	ug/kg	94

(Continued on next page)

NGSC-GLU005106

Entact Environmental Services, LLC

Client Sample ID: MW-2 (4.5-5)

GC/MS Volatiles

Lot-Sample #...: E6F210382-001 Work Order #...: H7W9K1AA Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	240	ug/kg	94
trans-1,3-Dichloropropene	ND	240	ug/kg	66
Ethylbenzene	ND	240	ug/kg	66
Hexachlorobutadiene	ND	240	ug/kg	66
2-Hexanone	ND	1200	ug/kg	280
Isopropylbenzene	ND	240	ug/kg	110
p-Isopropyltoluene	ND	240	ug/kg	66
Methylene chloride	ND	240	ug/kg	47
4-Methyl-2-pentanone	ND	1200	ug/kg	380
Methyl tert-butyl ether	ND	240	ug/kg	94
Naphthalene	ND	240	ug/kg	94
n-Propylbenzene	ND	240	ug/kg	100
Styrene	ND	470	ug/kg	94
1,1,1,2-Tetrachloroethane	ND	240	ug/kg	47
1,1,2,2-Tetrachloroethane	ND	240	ug/kg	94
Tetrachloroethene	**1500**	**240**	**ug/kg**	**75**
Toluene	ND	240	ug/kg	57
1,2,3-Trichlorobenzene	ND	240	ug/kg	66
1,2,4-Trichloro-benzene	ND	240	ug/kg	66
1,1,1-Trichloroethane	ND	240	ug/kg	66
1,1,2-Trichloroethane	ND	240	ug/kg	94
Trichloroethene	**210 J**	**240**	**ug/kg**	**57**
Trichlorofluoromethane	ND	470	ug/kg	66
1,2,3-Trichloropropane	ND	240	ug/kg	100
1,1,2-Trichlorotrifluoro-ethane	ND	240	ug/kg	94
1,2,4-Trimethylbenzene	ND	240	ug/kg	66
1,3,5-Trimethylbenzene	ND	240	ug/kg	110
Vinyl chloride	ND	470	ug/kg	140
m-Xylene & p-Xylene	ND	240	ug/kg	160
o-Xylene	ND	240	ug/kg	94
Xylenes (total)	ND	240	ug/kg	160

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	89	(65 - 130)
1,2-Dichloroethane-d4	89	(65 - 130)
Toluene-d8	91	(65 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005107

Entact Environmental Services, LLC

Client Sample ID: MW-2 (4.5-5)

General Chemistry

Lot-Sample #...: E6F210382-001 **Work Order #...:** H7W9K **Matrix.....:** SO
Date Sampled...: 06/21/06 09:55 **Date Received..:** 06/21/06 16:25
% Moisture.....: 7.8

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**7.8**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/22-06/23/06**	**6173431**

Dilution Factor: 1 Analysis Time..: 13:15 Analyst ID.....: 000064
Instrument ID..: W15 MS Run #.....: 6173320 MDL.....:

NGSC-GLU005108

Entact Environmental Services, LLC

Client Sample ID: MW-2 (9.5-10)

GC/MS Volatiles

Lot-Sample #...:	E6F210382-002	**Work Order #...:**	H7W9L1AA	**Matrix.....:**	SO
Date Sampled...:	06/21/06 10:20	**Date Received..:**	06/21/06 16:25	**MS Run #.....:**	
Prep Date.....:	06/22/06	**Analysis Date..:**	06/24/06		
Prep Batch #...:	6179338	**Analysis Time..:**	17:59		
Dilution Factor:	0.9				
% Moisture.....:	24	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	1500	ug/kg	470
Benzene	ND	290	ug/kg	120
Bromobenzene	ND	290	ug/kg	82
Bromochloromethane	ND	290	ug/kg	88
Bromoform	ND	290	ug/kg	120
Bromomethane	ND	590	ug/kg	290
2-Butanone	ND	1500	ug/kg	590
n-Butylbenzene	ND	290	ug/kg	82
sec-Butylbenzene	ND	290	ug/kg	82
tert-Butylbenzene	ND	290	ug/kg	82
Carbon disulfide	ND	290	ug/kg	120
Carbon tetrachloride	ND	290	ug/kg	71
Chlorobenzene	ND	290	ug/kg	120
Dibromochloromethane	ND	290	ug/kg	120
Bromodichloromethane	ND	290	ug/kg	120
Chloroethane	ND	590	ug/kg	290
Chloroform	ND	290	ug/kg	82
Chloromethane	ND	590	ug/kg	240
2-Chlorotoluene	ND	290	ug/kg	82
4-Chlorotoluene	ND	290	ug/kg	82
1,2-Dibromo-3-chloro-propane	ND	590	ug/kg	180
1,2-Dibromoethane (EDB)	ND	290	ug/kg	82
Dibromomethane	ND	290	ug/kg	130
1,2-Dichlorobenzene	ND	290	ug/kg	120
1,3-Dichlorobenzene	ND	290	ug/kg	82
1,4-Dichlorobenzene	ND	290	ug/kg	120
Dichlorodifluoromethane	ND	590	ug/kg	200
1,1-Dichloroethane	ND	290	ug/kg	120
1,2-Dichloroethane	ND	290	ug/kg	82
1,1-Dichloroethene	ND	290	ug/kg	140
cis-1,2-Dichloroethene	ND	290	ug/kg	120
trans-1,2-Dichloroethene	ND	290	ug/kg	140
1,2-Dichloropropane	ND	290	ug/kg	120
1,3-Dichloropropane	ND	290	ug/kg	120
2,2-Dichloropropane	ND	290	ug/kg	71
1,1-Dichloropropene	ND	290	ug/kg	120

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NGSC-GLU005109

Entact Environmental Services, LLC

Client Sample ID: MW-2 (9.5-10)

GC/MS Volatiles

Lot-Sample #...: E6F210382-002 Work Order #...: H7W9L1AA Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	290	ug/kg	120
trans-1,3-Dichloropropene	ND	290	ug/kg	82
Ethylbenzene	ND	290	ug/kg	82
Hexachlorobutadiene	ND	290	ug/kg	82
2-Hexanone	ND	1500	ug/kg	350
Isopropylbenzene	ND	290	ug/kg	140
p-Isopropyltoluene	ND	290	ug/kg	82
Methylene chloride	ND	290	ug/kg	59
4-Methyl-2-pentanone	ND	1500	ug/kg	470
Methyl tert-butyl ether	ND	290	ug/kg	120
Naphthalene	ND	290	ug/kg	120
n-Propylbenzene	ND	290	ug/kg	130
Styrene	ND	590	ug/kg	120
1,1,1,2-Tetrachloroethane	ND	290	ug/kg	59
1,1,2,2-Tetrachloroethane	ND	290	ug/kg	120
Tetrachloroethene	**1400**	**290**	**ug/kg**	**94**
Toluene	ND	290	ug/kg	71
1,2,3-Trichlorobenzene	ND	290	ug/kg	82
1,2,4-Trichloro-benzene	ND	290	ug/kg	82
1,1,1-Trichloroethane	ND	290	ug/kg	82
1,1,2-Trichloroethane	ND	290	ug/kg	120
Trichloroethene	**100 J**	**290**	**ug/kg**	**71**
Trichlorofluoromethane	ND	590	ug/kg	82
1,2,3-Trichloropropane	ND	290	ug/kg	130
1,1,2-Trichlorotrifluoro-ethane	ND	290	ug/kg	120
1,2,4-Trimethylbenzene	ND	290	ug/kg	82
1,3,5-Trimethylbenzene	ND	290	ug/kg	140
Vinyl chloride	ND	590	ug/kg	180
m-Xylene & p-Xylene	ND	290	ug/kg	200
o-Xylene	ND	290	ug/kg	120
Xylenes (total)	ND	290	ug/kg	200

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	90	(65 - 130)
1,2-Dichloroethane-d4	84	(65 - 130)
Toluene-d8	86	(65 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005110

Entact Environmental Services, LLC

Client Sample ID: MW-2 (9.5-10)

General Chemistry

Lot-Sample #...: E6F210382-002 Work Order #...: H7W9L Matrix.....: SO
Date Sampled...: 06/21/06 10:20 Date Received..: 06/21/06 16:25
% Moisture.....: 24

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	23.5	0.10	%	MCAWW 160.3 MOD	06/22-06/23/06	6173431

Dilution Factor: 1 Analysis Time..: 13:15 Analyst ID.....: 0000640
Instrument ID..: W15 MS Run #.....: 6173320 MDL.....:

NGSC-GLU005111

Entact Environmental Services, LLC

Client Sample ID: MW-2 (19.5-20)

GC/MS Volatiles

Lot-Sample #...:	E6F210382-003	Work Order #...:	H7W9M1AA	Matrix.....:	SO
Date Sampled...:	06/21/06 10:55	Date Received..:	06/21/06 16:25	MS Run #.....:	
Prep Date.....:	06/22/06	Analysis Date..:	06/24/06		
Prep Batch #...:	6175108	Analysis Time..:	02:36		
Dilution Factor:	0.93				
% Moisture.....:	13	Analyst ID.....:	004648	Instrument ID..:	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	27	ug/kg	11
Benzene	ND	5.3	ug/kg	2.1
Bromobenzene	ND	5.3	ug/kg	2.1
Bromochloromethane	ND	5.3	ug/kg	1.1
Bromoform	ND	5.3	ug/kg	2.1
Bromomethane	ND	11	ug/kg	2.1
2-Butanone	ND	27	ug/kg	16
n-Butylbenzene	ND	5.3	ug/kg	2.1
sec-Butylbenzene	ND	5.3	ug/kg	2.1
tert-Butylbenzene	ND	5.3	ug/kg	2.1
Carbon disulfide	ND	5.3	ug/kg	2.1
Carbon tetrachloride	ND	5.3	ug/kg	1.1
Chlorobenzene	ND	5.3	ug/kg	2.1
Dibromochloromethane	ND	5.3	ug/kg	2.1
Bromodichloromethane	ND	5.3	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.1
Chloroform	ND	5.3	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.2
2-Chlorotoluene	ND	5.3	ug/kg	2.1
4-Chlorotoluene	ND	5.3	ug/kg	2.1
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.2
1,2-Dibromoethane (EDB)	ND	5.3	ug/kg	2.1
Dibromomethane	ND	5.3	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,3-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,4-Dichlorobenzene	ND	5.3	ug/kg	2.1
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.3	ug/kg	1.1
1,2-Dichloroethane	ND	5.3	ug/kg	1.1
1,1-Dichloroethene	ND	5.3	ug/kg	2.1
cis-1,2-Dichloroethene	**13**	**5.3**	**ug/kg**	**2.1**
trans-1,2-Dichloroethene	ND	5.3	ug/kg	2.1
1,2-Dichloropropane	ND	5.3	ug/kg	1.1
1,3-Dichloropropane	ND	5.3	ug/kg	2.1
2,2-Dichloropropane	ND	5.3	ug/kg	2.1
1,1-Dichloropropene	ND	5.3	ug/kg	1.1

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NGSC-GLU005112

Entact Environmental Services, LLC

Client Sample ID: MW-2 (19.5-20)

GC/MS Volatiles

Lot-Sample #...: E6F210382-003 Work Order #...: H7W9M1AA Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.3	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.3	ug/kg	2.1
Ethylbenzene	ND	5.3	ug/kg	2.1
Hexachlorobutadiene	ND	5.3	ug/kg	2.1
2-Hexanone	ND	27	ug/kg	11
Isopropylbenzene	ND	5.3	ug/kg	2.1
p-Isopropyltoluene	ND	5.3	ug/kg	2.1
Methylene chloride	ND	5.3	ug/kg	2.1
4-Methyl-2-pentanone	ND	27	ug/kg	11
Methyl tert-butyl ether	ND	5.3	ug/kg	1.1
Naphthalene	ND	5.3	ug/kg	2.1
n-Propylbenzene	ND	5.3	ug/kg	2.1
Styrene	ND	11	ug/kg	2.1
1,1,1,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
1,1,2,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
Tetrachloroethene	**180**	**5.3**	**ug/kg**	**2.1**
Toluene	ND	5.3	ug/kg	2.1
1,2,3-Trichlorobenzene	ND	5.3	ug/kg	2.1
1,2,4-Trichlorobenzene	ND	5.3	ug/kg	2.1
1,1,1-Trichloroethane	ND	5.3	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.3	ug/kg	2.1
Trichloroethene	**17**	**5.3**	**ug/kg**	**2.1**
Trichlorofluoromethane	ND	11	ug/kg	2.1
1,2,3-Trichloropropane	ND	5.3	ug/kg	2.1
1,1,2-Trichlorotrifluoroethane	ND	5.3	ug/kg	2.1
1,2,4-Trimethylbenzene	ND	5.3	ug/kg	2.1
1,3,5-Trimethylbenzene	ND	5.3	ug/kg	2.1
Vinyl chloride	ND	11	ug/kg	2.1
m-Xylene & p-Xylene	ND	5.3	ug/kg	2.1
o-Xylene	ND	5.3	ug/kg	2.1
Xylenes (total)	ND	5.3	ug/kg	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	91	(60 - 125)
1,2-Dichloroethane-d4	89	(55 - 125)
Toluene-d8	91	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005113

Entact Environmental Services, LLC

Client Sample ID: MW-2 (19.5-20)

General Chemistry

Lot-Sample #...: E6F210382-003 Work Order #...: H7W9M Matrix.....: SO
Date Sampled...: 06/21/06 10:55 Date Received..: 06/21/06 16:25
% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	12.9	0.10	%	MCAWW 160.3 MOD	06/22-06/23/06	6173431

Dilution Factor: 1 Analysis Time..: 13:15 Analyst ID.....: 0000640
Instrument ID..: W15 MS Run #.....: 6173320 MDL.....:

NGSC-GLU005114

Entact Environmental Services, LLC

Client Sample ID: MW-2 (29.5-30)

GC/MS Volatiles

Lot-Sample #...:	E6F210382-004	**Work Order #...:**	H7W9N1AA	**Matrix.....:**	SO
Date Sampled...:	06/21/06 11:11	**Date Received..:**	06/21/06 16:25	**MS Run #.....:**	
Prep Date.....:	06/22/06	**Analysis Date..:**	06/24/06		
Prep Batch #...:	6179338	**Analysis Time..:**	18:22		
Dilution Factor:	0.87				
% Moisture.....:	21	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	1400	ug/kg	440
Benzene	ND	270	ug/kg	110
Bromobenzene	ND	270	ug/kg	77
Bromochloromethane	ND	270	ug/kg	82
Bromoform	ND	270	ug/kg	110
Bromomethane	ND	550	ug/kg	270
2-Butanone	ND	1400	ug/kg	550
n-Butylbenzene	ND	270	ug/kg	77
sec-Butylbenzene	ND	270	ug/kg	77
tert-Butylbenzene	ND	270	ug/kg	77
Carbon disulfide	ND	270	ug/kg	110
Carbon tetrachloride	ND	270	ug/kg	66
Chlorobenzene	ND	270	ug/kg	110
Dibromochloromethane	ND	270	ug/kg	110
Bromodichloromethane	ND	270	ug/kg	110
Chloroethane	ND	550	ug/kg	270
Chloroform	ND	270	ug/kg	77
Chloromethane	ND	550	ug/kg	220
2-Chlorotoluene	ND	270	ug/kg	77
4-Chlorotoluene	ND	270	ug/kg	77
1,2-Dibromo-3-chloro-propane	ND	550	ug/kg	160
1,2-Dibromoethane (EDB)	ND	270	ug/kg	77
Dibromomethane	ND	270	ug/kg	120
1,2-Dichlorobenzene	ND	270	ug/kg	110
1,3-Dichlorobenzene	ND	270	ug/kg	77
1,4-Dichlorobenzene	ND	270	ug/kg	110
Dichlorodifluoromethane	ND	550	ug/kg	190
1,1-Dichloroethane	ND	270	ug/kg	110
1,2-Dichloroethane	ND	270	ug/kg	77
1,1-Dichloroethene	ND	270	ug/kg	130
cis-1,2-Dichloroethene	ND	270	ug/kg	110
trans-1,2-Dichloroethene	ND	270	ug/kg	130
1,2-Dichloropropane	ND	270	ug/kg	110
1,3-Dichloropropane	ND	270	ug/kg	110
2,2-Dichloropropane	ND	270	ug/kg	66
1,1-Dichloropropene	ND	270	ug/kg	110

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NGSC-GLU005115

Entact Environmental Services, LLC

Client Sample ID: MW-2 (29.5-30)

GC/MS Volatiles

Lot-Sample #...: E6F210382-004 Work Order #...: H7W9N1AA Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	270	ug/kg	110
trans-1,3-Dichloropropene	ND	270	ug/kg	77
Ethylbenzene	ND	270	ug/kg	77
Hexachlorobutadiene	ND	270	ug/kg	77
2-Hexanone	ND	1400	ug/kg	330
Isopropylbenzene	ND	270	ug/kg	130
p-Isopropyltoluene	ND	270	ug/kg	77
Methylene chloride	ND	270	ug/kg	55
4-Methyl-2-pentanone	ND	1400	ug/kg	440
Methyl tert-butyl ether	ND	270	ug/kg	110
Naphthalene	ND	270	ug/kg	110
n-Propylbenzene	ND	270	ug/kg	120
Styrene	ND	550	ug/kg	110
1,1,1,2-Tetrachloroethane	ND	270	ug/kg	55
1,1,2,2-Tetrachloroethane	ND	270	ug/kg	110
Tetrachloroethene	**2200**	**270**	**ug/kg**	**88**
Toluene	ND	270	ug/kg	66
1,2,3-Trichlorobenzene	ND	270	ug/kg	77
1,2,4-Trichloro-benzene	ND	270	ug/kg	77
1,1,1-Trichloroethane	ND	270	ug/kg	77
1,1,2-Trichloroethane	ND	270	ug/kg	110
Trichloroethene	**320**	**270**	**ug/kg**	**66**
Trichlorofluoromethane	ND	550	ug/kg	77
1,2,3-Trichloropropane	ND	270	ug/kg	120
1,1,2-Trichlorotrifluoro-ethane	ND	270	ug/kg	110
1,2,4-Trimethylbenzene	ND	270	ug/kg	77
1,3,5-Trimethylbenzene	ND	270	ug/kg	130
Vinyl chloride	ND	550	ug/kg	160
m-Xylene & p-Xylene	ND	270	ug/kg	190
o-Xylene	ND	270	ug/kg	110
Xylenes (total)	ND	270	ug/kg	190

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	89	(65 - 130)
1,2-Dichloroethane-d4	95	(65 - 130)
Toluene-d8	94	(65 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005116

Entact Environmental Services, LLC

Client Sample ID: MW-2 (29.5-30)

General Chemistry

Lot-Sample #...: E6F210382-004 Work Order #...: H7W9N Matrix.....: SO
Date Sampled...: 06/21/06 11:11 Date Received..: 06/21/06 16:25
% Moisture.....: 21

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	20.9	0.10	%	MCAWW 160.3 MOD	06/22-06/23/06	6173431

Dilution Factor: 1 Analysis Time..: 13:15 Analyst ID.....: 0000640
Instrument ID..: W15 MS Run #.....: 6173320 MDL.....:

NGSC-GLU005117

Entact Environmental Services, LLC

Client Sample ID: MW-2 (39.5-40)

GC/MS Volatiles

Lot-Sample #...:	E6F210382-005	**Work Order #...:**	H7W9P1AA	**Matrix.....:**	SO
Date Sampled...:	06/21/06 12:15	**Date Received..:**	06/21/06 16:25	**MS Run #.....:**	
Prep Date.....:	06/22/06	**Analysis Date..:**	06/24/06		
Prep Batch #...:	6175108	**Analysis Time..:**	02:56		
Dilution Factor:	0.93				
% Moisture.....:	14	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	27	ug/kg	11
Benzene	ND	5.4	ug/kg	2.2
Bromobenzene	ND	5.4	ug/kg	2.2
Bromochloromethane	ND	5.4	ug/kg	1.1
Bromoform	ND	5.4	ug/kg	2.2
Bromomethane	ND	11	ug/kg	2.2
2-Butanone	ND	27	ug/kg	16
n-Butylbenzene	ND	5.4	ug/kg	2.2
sec-Butylbenzene	ND	5.4	ug/kg	2.2
tert-Butylbenzene	ND	5.4	ug/kg	2.2
Carbon disulfide	ND	5.4	ug/kg	2.2
Carbon tetrachloride	ND	5.4	ug/kg	1.1
Chlorobenzene	ND	5.4	ug/kg	2.2
Dibromochloromethane	ND	5.4	ug/kg	2.2
Bromodichloromethane	ND	5.4	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.2
Chloroform	ND	5.4	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.3
2-Chlorotoluene	ND	5.4	ug/kg	2.2
4-Chlorotoluene	ND	5.4	ug/kg	2.2
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.3
1,2-Dibromoethane (EDB)	ND	5.4	ug/kg	2.2
Dibromomethane	ND	5.4	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.4	ug/kg	2.2
1,3-Dichlorobenzene	ND	5.4	ug/kg	2.2
1,4-Dichlorobenzene	ND	5.4	ug/kg	2.2
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.4	ug/kg	1.1
1,2-Dichloroethane	ND	5.4	ug/kg	1.1
1,1-Dichloroethene	**26**	**5.4**	**ug/kg**	**2.2**
cis-1,2-Dichloroethene	**9.6**	**5.4**	**ug/kg**	**2.2**
trans-1,2-Dichloroethene	ND	5.4	ug/kg	2.2
1,2-Dichloropropane	ND	5.4	ug/kg	1.1
1,3-Dichloropropane	ND	5.4	ug/kg	2.2
2,2-Dichloropropane	ND	5.4	ug/kg	2.2
1,1-Dichloropropene	ND	5.4	ug/kg	1.1

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NGSC-GLU005118

Entact Environmental Services, LLC

Client Sample ID: MW-2 (39.5-40)

GC/MS Volatiles

Lot-Sample #...: E6F210382-005 **Work Order #...:** H7W9P1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.4	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.4	ug/kg	2.2
Ethylbenzene	ND	5.4	ug/kg	2.2
Hexachlorobutadiene	ND	5.4	ug/kg	2.2
2-Hexanone	ND	27	ug/kg	11
Isopropylbenzene	ND	5.4	ug/kg	2.2
p-Isopropyltoluene	ND	5.4	ug/kg	2.2
Methylene chloride	ND	5.4	ug/kg	2.2
4-Methyl-2-pentanone	ND	27	ug/kg	11
Methyl tert-butyl ether	ND	5.4	ug/kg	1.1
Naphthalene	ND	5.4	ug/kg	2.2
n-Propylbenzene	ND	5.4	ug/kg	2.2
Styrene	ND	11	ug/kg	2.2
1,1,1,2-Tetrachloroethane	ND	5.4	ug/kg	2.2
1,1,2,2-Tetrachloroethane	ND	5.4	ug/kg	2.2
Tetrachloroethene	**250**	**5.4**	**ug/kg**	**2.2**
Toluene	ND	5.4	ug/kg	2.2
1,2,3-Trichlorobenzene	ND	5.4	ug/kg	2.2
1,2,4-Trichloro-benzene	ND	5.4	ug/kg	2.2
1,1,1-Trichloroethane	ND	5.4	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.4	ug/kg	2.2
Trichloroethene	**98**	**5.4**	**ug/kg**	**2.2**
Trichlorofluoromethane	ND	11	ug/kg	2.2
1,2,3-Trichloropropane	ND	5.4	ug/kg	2.2
1,1,2-Trichlorotrifluoro-ethane	ND	5.4	ug/kg	2.2
1,2,4-Trimethylbenzene	ND	5.4	ug/kg	2.2
1,3,5-Trimethylbenzene	ND	5.4	ug/kg	2.2
Vinyl chloride	ND	11	ug/kg	2.2
m-Xylene & p-Xylene	ND	5.4	ug/kg	2.2
o-Xylene	ND	5.4	ug/kg	2.2
Xylenes (total)	ND	5.4	ug/kg	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	87	(60 - 125)
1,2-Dichloroethane-d4	87	(55 - 125)
Toluene-d8	86	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005119

Entact Environmental Services, LLC

Client Sample ID: MW-2 (39.5-40)

General Chemistry

Lot-Sample #...: E6F210382-005 Work Order #...: H7W9P Matrix.....: SO
Date Sampled...: 06/21/06 12:15 Date Received..: 06/21/06 16:25
% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	14.4	0.10	%	MCAWW 160.3 MOD	06/22-06/23/06	6173431

Dilution Factor: 1 Analysis Time..: 13:15 Analyst ID.....: 0000640
Instrument ID..: W1S MS Run #.....: 6173320 MDL.....:

NGSC-GLU005120

Entact Environmental Services, LLC

Client Sample ID: MW-2 (49.5-50)

GC/MS Volatiles

Lot-Sample #...:	E6F210382-006	**Work Order #...:**	H7W9Q1AA	**Matrix.....:**	SO
Date Sampled...:	06/21/06 14:25	**Date Received..:**	06/21/06 16:25	**MS Run #.....:**	
Prep Date.....:	06/22/06	**Analysis Date..:**	06/24/06		
Prep Batch #...:	6175108	**Analysis Time..:**	03:17		
Dilution Factor:	1.15				
% Moisture.....:	3.0	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	30	ug/kg	12
Benzene	ND	5.9	ug/kg	2.4
Bromobenzene	ND	5.9	ug/kg	2.4
Bromochloromethane	ND	5.9	ug/kg	1.2
Bromoform	ND	5.9	ug/kg	2.4
Bromomethane	ND	12	ug/kg	2.4
2-Butanone	ND	30	ug/kg	18
n-Butylbenzene	ND	5.9	ug/kg	2.4
sec-Butylbenzene	ND	5.9	ug/kg	2.4
tert-Butylbenzene	ND	5.9	ug/kg	2.4
Carbon disulfide	ND	5.9	ug/kg	2.4
Carbon tetrachloride	ND	5.9	ug/kg	1.2
Chlorobenzene	ND	5.9	ug/kg	2.4
Dibromochloromethane	ND	5.9	ug/kg	2.4
Bromodichloromethane	ND	5.9	ug/kg	1.2
Chloroethane	ND	12	ug/kg	2.4
Chloroform	ND	5.9	ug/kg	1.2
Chloromethane	ND	12	ug/kg	3.6
2-Chlorotoluene	ND	5.9	ug/kg	2.4
4-Chlorotoluene	ND	5.9	ug/kg	2.4
1,2-Dibromo-3-chloro-propane	ND	12	ug/kg	3.6
1,2-Dibromoethane (EDB)	ND	5.9	ug/kg	2.4
Dibromomethane	ND	5.9	ug/kg	1.2
1,2-Dichlorobenzene	ND	5.9	ug/kg	2.4
1,3-Dichlorobenzene	ND	5.9	ug/kg	2.4
1,4-Dichlorobenzene	ND	5.9	ug/kg	2.4
Dichlorodifluoromethane	ND	12	ug/kg	1.2
1,1-Dichloroethane	ND	5.9	ug/kg	1.2
1,2-Dichloroethane	ND	5.9	ug/kg	1.2
1,1-Dichloroethene	ND	5.9	ug/kg	2.4
cis-1,2-Dichloroethene	ND	5.9	ug/kg	2.4
trans-1,2-Dichloroethene	ND	5.9	ug/kg	2.4
1,2-Dichloropropane	ND	5.9	ug/kg	1.2
1,3-Dichloropropane	ND	5.9	ug/kg	2.4
2,2-Dichloropropane	ND	5.9	ug/kg	2.4
1,1-Dichloropropene	ND	5.9	ug/kg	1.2

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NGSC-GLU005121

Entact Environmental Services, LLC

Client Sample ID: MW-2 (49.5-50)

GC/MS Volatiles

Lot-Sample #...: E6F210382-006 Work Order #...: H7W9Q1AA Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.9	ug/kg	1.2
trans-1,3-Dichloropropene	ND	5.9	ug/kg	2.4
Ethylbenzene	ND	5.9	ug/kg	2.4
Hexachlorobutadiene	ND	5.9	ug/kg	2.4
2-Hexanone	ND	30	ug/kg	12
Isopropylbenzene	ND	5.9	ug/kg	2.4
p-Isopropyltoluene	ND	5.9	ug/kg	2.4
Methylene chloride	ND	5.9	ug/kg	2.4
4-Methyl-2-pentanone	ND	30	ug/kg	12
Methyl tert-butyl ether	ND	5.9	ug/kg	1.2
Naphthalene	ND	5.9	ug/kg	2.4
n-Propylbenzene	ND	5.9	ug/kg	2.4
Styrene	ND	12	ug/kg	2.4
1,1,1,2-Tetrachloroethane	ND	5.9	ug/kg	2.4
1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg	2.4
Tetrachloroethene	**9.5**	**5.9**	**ug/kg**	**2.4**
Toluene	ND	5.9	ug/kg	2.4
1,2,3-Trichlorobenzene	ND	5.9	ug/kg	2.4
1,2,4-Trichlorobenzene	ND	5.9	ug/kg	2.4
1,1,1-Trichloroethane	ND	5.9	ug/kg	1.2
1,1,2-Trichloroethane	ND	5.9	ug/kg	2.4
Trichloroethene	**2.5 J**	**5.9**	**ug/kg**	**2.4**
Trichlorofluoromethane	ND	12	ug/kg	2.4
1,2,3-Trichloropropane	ND	5.9	ug/kg	2.4
1,1,2-Trichlorotrifluoroethane	ND	5.9	ug/kg	2.4
1,2,4-Trimethylbenzene	ND	5.9	ug/kg	2.4
1,3,5-Trimethylbenzene	ND	5.9	ug/kg	2.4
Vinyl chloride	ND	12	ug/kg	2.4
m-Xylene & p-Xylene	ND	5.9	ug/kg	2.4
o-Xylene	ND	5.9	ug/kg	2.4
Xylenes (total)	ND	5.9	ug/kg	2.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	90	(60 - 125)
1,2-Dichloroethane-d4	90	(55 - 125)
Toluene-d8	89	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005122

Entact Environmental Services, LLC

Client Sample ID: MW-2 (49.5-50)

General Chemistry

Lot-Sample #...: E6F210382-006 **Work Order #...:** H7W9Q **Matrix.....:** SO
Date Sampled...: 06/21/06 14:25 **Date Received..:** 06/21/06 16:25
% Moisture.....: 3.0

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**3.0**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/22-06/23/06**	**6173431**

Dilution Factor: 1 Analysis Time..: 13:15 Analyst ID.....: 0000640
Instrument ID..: W15 MS Run #.....: 6173320 MDL.....:

NGSC-GLU005123

Entact Environmental Services, LLC

Client Sample ID: MW-2D (49.5-50)

GC/MS Volatiles

Lot-Sample #...: E6F210382-007 Work Order #...: H7W9R1AA Matrix.....: SO
Date Sampled...: 06/21/06 14:30 Date Received..: 06/21/06 16:25 MS Run #.....:
Prep Date.....: 06/22/06 Analysis Date..: 06/24/06
Prep Batch #...: 6175108 Analysis Time..: 03:38
Dilution Factor: 1.11
% Moisture.....: 8.1 Analyst ID.....: 004648 Instrument ID..: MSO
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	30	ug/kg	12
Benzene	ND	6.0	ug/kg	2.4
Bromobenzene	ND	6.0	ug/kg	2.4
Bromochloromethane	ND	6.0	ug/kg	1.2
Bromoform	ND	6.0	ug/kg	2.4
Bromomethane	ND	12	ug/kg	2.4
2-Butanone	ND	30	ug/kg	18
n-Butylbenzene	ND	6.0	ug/kg	2.4
sec-Butylbenzene	ND	6.0	ug/kg	2.4
tert-Butylbenzene	ND	6.0	ug/kg	2.4
Carbon disulfide	ND	6.0	ug/kg	2.4
Carbon tetrachloride	ND	6.0	ug/kg	1.2
Chlorobenzene	ND	6.0	ug/kg	2.4
Dibromochloromethane	ND	6.0	ug/kg	2.4
Bromodichloromethane	ND	6.0	ug/kg	1.2
Chloroethane	ND	12	ug/kg	2.4
Chloroform	ND	6.0	ug/kg	1.2
Chloromethane	ND	12	ug/kg	3.6
2-Chlorotoluene	ND	6.0	ug/kg	2.4
4-Chlorotoluene	ND	6.0	ug/kg	2.4
1,2-Dibromo-3-chloro-propane	ND	12	ug/kg	3.6
1,2-Dibromoethane (EDB)	ND	6.0	ug/kg	2.4
Dibromomethane	ND	6.0	ug/kg	1.2
1,2-Dichlorobenzene	ND	6.0	ug/kg	2.4
1,3-Dichlorobenzene	ND	6.0	ug/kg	2.4
1,4-Dichlorobenzene	ND	6.0	ug/kg	2.4
Dichlorodifluoromethane	ND	12	ug/kg	1.2
1,1-Dichloroethane	ND	6.0	ug/kg	1.2
1,2-Dichloroethane	ND	6.0	ug/kg	1.2
1,1-Dichloroethene	ND	6.0	ug/kg	2.4
cis-1,2-Dichloroethene	ND	6.0	ug/kg	2.4
trans-1,2-Dichloroethene	ND	6.0	ug/kg	2.4
1,2-Dichloropropane	ND	6.0	ug/kg	1.2
1,3-Dichloropropane	ND	6.0	ug/kg	2.4
2,2-Dichloropropane	ND	6.0	ug/kg	2.4
1,1-Dichloropropene	ND	6.0	ug/kg	1.2

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Entact Environmental Services, LLC

Client Sample ID: MW-2D (49.5-50)

GC/MS Volatiles

Lot-Sample #...: E6F210382-007 **Work Order #...:** H7W9R1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	6.0	ug/kg	1.2
trans-1,3-Dichloropropene	ND	6.0	ug/kg	2.4
Ethylbenzene	ND	6.0	ug/kg	2.4
Hexachlorobutadiene	ND	6.0	ug/kg	2.4
2-Hexanone	ND	30	ug/kg	12
Isopropylbenzene	ND	6.0	ug/kg	2.4
p-Isopropyltoluene	ND	6.0	ug/kg	2.4
Methylene chloride	ND	6.0	ug/kg	2.4
4-Methyl-2-pentanone	ND	30	ug/kg	12
Methyl tert-butyl ether	ND	6.0	ug/kg	1.2
Naphthalene	ND	6.0	ug/kg	2.4
n-Propylbenzene	ND	6.0	ug/kg	2.4
Styrene	ND	12	ug/kg	2.4
1,1,1,2-Tetrachloroethane	ND	6.0	ug/kg	2.4
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg	2.4
Tetrachloroethene	**7.8**	**6.0**	**ug/kg**	**2.4**
Toluene	ND	6.0	ug/kg	2.4
1,2,3-Trichlorobenzene	ND	6.0	ug/kg	2.4
1,2,4-Trichlorobenzene	ND	6.0	ug/kg	2.4
1,1,1-Trichloroethane	ND	6.0	ug/kg	1.2
1,1,2-Trichloroethane	ND	6.0	ug/kg	2.4
Trichloroethene	ND	6.0	ug/kg	2.4
Trichlorofluoromethane	ND	12	ug/kg	2.4
1,2,3-Trichloropropane	ND	6.0	ug/kg	2.4
1,1,2-Trichlorotrifluoroethane	ND	6.0	ug/kg	2.4
1,2,4-Trimethylbenzene	ND	6.0	ug/kg	2.4
1,3,5-Trimethylbenzene	ND	6.0	ug/kg	2.4
Vinyl chloride	ND	12	ug/kg	2.4
m-Xylene & p-Xylene	ND	6.0	ug/kg	2.4
o-Xylene	ND	6.0	ug/kg	2.4
Xylenes (total)	ND	6.0	ug/kg	2.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	88	(60 - 125)
1,2-Dichloroethane-d4	95	(55 - 125)
Toluene-d8	86	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005125

Entact Environmental Services, LLC

Client Sample ID: MW-2D (49.5-50)

General Chemistry

Lot-Sample #...: E6F210382-007 Work Order #...: H7W9R Matrix.....: SO
Date Sampled...: 06/21/06 14:30 Date Received..: 06/21/06 16:25
% Moisture.....: 8.1

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	8.1	0.10	%	MCANW 160.3 MOD	06/22-06/23/06	6173431

Dilution Factor: 1 Analysis Time..: 13:15 Analyst ID.....: 0000640
Instrument ID..: W15 MS Run #.....: 6173320 MDL.....:

NGSC-GLU005126

Entact Environmental Services, LLC

Client Sample ID: MW-2 (59.5-60)

GC/MS Volatiles

Lot-Sample #...:	E6F210382-008	**Work Order #...:**	H7W9T1AA	**Matrix.....:**	SO
Date Sampled...:	06/21/06 15:05	**Date Received..:**	06/21/06 16:25	**MS Run #.....:**	
Prep Date.....:	06/22/06	**Analysis Date..:**	06/24/06		
Prep Batch #...:	6175108	**Analysis Time..:**	03:58		
Dilution Factor:	0.9				
% Moisture.....:	20	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	28	ug/kg	11
Benzene	ND	5.7	ug/kg	2.3
Bromobenzene	ND	5.7	ug/kg	2.3
Bromochloromethane	ND	5.7	ug/kg	1.1
Bromoform	ND	5.7	ug/kg	2.3
Bromomethane	ND	11	ug/kg	2.3
2-Butanone	ND	28	ug/kg	17
n-Butylbenzene	ND	5.7	ug/kg	2.3
sec-Butylbenzene	ND	5.7	ug/kg	2.3
tert-Butylbenzene	ND	5.7	ug/kg	2.3
Carbon disulfide	ND	5.7	ug/kg	2.3
Carbon tetrachloride	ND	5.7	ug/kg	1.1
Chlorobenzene	ND	5.7	ug/kg	2.3
Dibromochloromethane	ND	5.7	ug/kg	2.3
Bromodichloromethane	ND	5.7	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.3
Chloroform	ND	5.7	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.4
2-Chlorotoluene	ND	5.7	ug/kg	2.3
4-Chlorotoluene	ND	5.7	ug/kg	2.3
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.4
1,2-Dibromoethane (EDB)	ND	5.7	ug/kg	2.3
Dibromomethane	ND	5.7	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.7	ug/kg	2.3
1,3-Dichlorobenzene	ND	5.7	ug/kg	2.3
1,4-Dichlorobenzene	ND	5.7	ug/kg	2.3
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.7	ug/kg	1.1
1,2-Dichloroethane	ND	5.7	ug/kg	1.1
1,1-Dichloroethene	**60**	**5.7**	**ug/kg**	**2.3**
cis-1,2-Dichloroethene	**5.0 J**	**5.7**	**ug/kg**	**2.3**
trans-1,2-Dichloroethene	ND	5.7	ug/kg	2.3
1,2-Dichloropropane	ND	5.7	ug/kg	1.1
1,3-Dichloropropane	ND	5.7	ug/kg	2.3
2,2-Dichloropropane	ND	5.7	ug/kg	2.3
1,1-Dichloropropene	ND	5.7	ug/kg	1.1

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NGSC-GLU005127

Entact Environmental Services, LLC

Client Sample ID: MW-2 (59.5-60)

GC/MS Volatiles

Lot-Sample #...: E6F210382-008 Work Order #...: H7W9T1AA Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.7	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.7	ug/kg	2.3
Ethylbenzene	ND	5.7	ug/kg	2.3
Hexachlorobutadiene	ND	5.7	ug/kg	2.3
2-Hexanone	ND	28	ug/kg	11
Isopropylbenzene	ND	5.7	ug/kg	2.3
p-Isopropyltoluene	ND	5.7	ug/kg	2.3
Methylene chloride	ND	5.7	ug/kg	2.3
4-Methyl-2-pentanone	ND	28	ug/kg	11
Methyl tert-butyl ether	ND	5.7	ug/kg	1.1
Naphthalene	ND	5.7	ug/kg	2.3
n-Propylbenzene	ND	5.7	ug/kg	2.3
Styrene	ND	11	ug/kg	2.3
1,1,1,2-Tetrachloroethane	ND	5.7	ug/kg	2.3
1,1,2,2-Tetrachloroethane	ND	5.7	ug/kg	2.3
Tetrachloroethene	**36**	**5.7**	**ug/kg**	**2.3**
Toluene	ND	5.7	ug/kg	2.3
1,2,3-Trichlorobenzene	ND	5.7	ug/kg	2.3
1,2,4-Trichloro-benzene	ND	5.7	ug/kg	2.3
1,1,1-Trichloroethane	ND	5.7	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.7	ug/kg	2.3
Trichloroethene	**120**	**5.7**	**ug/kg**	**2.3**
Trichlorofluoromethane	ND	11	ug/kg	2.3
1,2,3-Trichloropropane	ND	5.7	ug/kg	2.3
1,1,2-Trichlorotrifluoro-ethane	ND	5.7	ug/kg	2.3
1,2,4-Trimethylbenzene	ND	5.7	ug/kg	2.3
1,3,5-Trimethylbenzene	ND	5.7	ug/kg	2.3
Vinyl chloride	ND	11	ug/kg	2.3
m-Xylene & p-Xylene	ND	5.7	ug/kg	2.3
o-Xylene	ND	5.7	ug/kg	2.3
Xylenes (total)	ND	5.7	ug/kg	2.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	90	(60 - 125)
1,2-Dichloroethane-d4	91	(55 - 125)
Toluene-d8	90	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005128

Entact Environmental Services, LLC

Client Sample ID: MW-2 (59.5-60)

General Chemistry

Lot-Sample #...: E6F210382-008 Work Order #...: H7W9T Matrix.....: SO
Date Sampled...: 06/21/06 15:05 Date Received..: 06/21/06 16:25
% Moisture.....: 20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	20.4	0.10	%	MCAWW 160.3 MOD	06/22-06/23/06	6173431

Dilution Factor: 1 Analysis Time..: 13:15 Analyst ID.....: 0000640
Instrument ID..: W15 MS Run #.....: 6173320 MDL.....:

NGSC-GLU005129

SEVERN TRENT STL

QA/QC

NGSC-GLU005130

QC DATA ASSOCIATION SUMMARY

E6F210382

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SO	SW846 8260B		6179338	
	SO	MCAWW 160.3 MOD		6173431	6173320
002	SO	SW846 8260B		6179338	
	SO	MCAWW 160.3 MOD		6173431	6173320
003	SO	SW846 8260B		6175108	
	SO	MCAWW 160.3 MOD		6173431	6173320
004	SO	SW846 8260B		6179338	
	SO	MCAWW 160.3 MOD		6173431	6173320
005	SO	SW846 8260B		6175108	
	SO	MCAWW 160.3 MOD		6173431	6173320
006	SO	SW846 8260B		6175108	
	SO	MCAWW 160.3 MOD		6173431	6173320
007	SO	SW846 8260B		6175108	
	SO	MCAWW 160.3 MOD		6173431	6173320
008	SO	SW846 8260B		6175108	
	SO	MCAWW 160.3 MOD		6173431	6173320

NGSC-GLU005131

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6F210382
MB Lot-Sample #: E6F240000-108
Work Order #...: H77GL1AA
Matrix.....: SOLID
Prep Date.....: 06/22/06
Analysis Time..: 02:14
Analysis Date..: 06/24/06
Prep Batch #...: 6175108
Instrument ID..: MSO
Dilution Factor: 1
Analyst ID.....: 004648

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	25	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	SW846 8260B
Dibromomethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B

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NGSC-GLU005132

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6F210382 **Work Order #...:** H77GL1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
Naphthalene	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	5.0	ug/kg	SW846 8260B
o-Xylene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	89	(60 - 125)
1,2-Dichloroethane-d4	93	(55 - 125)
Toluene-d8	89	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NGSC-GLU005133

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6F210382
MB Lot-Sample #: E6F280000-338
Analysis Date..: 06/24/06
Dilution Factor: 1

Work Order #...: H8DM01AA
Prep Date.....: 06/22/06
Prep Batch #...: 6179338
Analyst ID.....: 999998

Matrix.....: SOLID
Analysis Time..: 16:05
Instrument ID..: MSP

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	1200	ug/kg	SW846 8260B
Benzene	ND	250	ug/kg	SW846 8260B
Bromobenzene	ND	250	ug/kg	SW846 8260B
Bromochloromethane	ND	250	ug/kg	SW846 8260B
Bromoform	ND	250	ug/kg	SW846 8260B
Bromomethane	ND	500	ug/kg	SW846 8260B
2-Butanone	ND	1200	ug/kg	SW846 8260B
n-Butylbenzene	ND	250	ug/kg	SW846 8260B
sec-Butylbenzene	ND	250	ug/kg	SW846 8260B
tert-Butylbenzene	ND	250	ug/kg	SW846 8260B
Carbon disulfide	ND	250	ug/kg	SW846 8260B
Carbon tetrachloride	ND	250	ug/kg	SW846 8260B
Chlorobenzene	ND	250	ug/kg	SW846 8260B
Dibromochloromethane	ND	250	ug/kg	SW846 8260B
Bromodichloromethane	ND	250	ug/kg	SW846 8260B
Chloroethane	ND	500	ug/kg	SW846 8260B
Chloroform	ND	250	ug/kg	SW846 8260B
Chloromethane	ND	500	ug/kg	SW846 8260B
2-Chlorotoluene	ND	250	ug/kg	SW846 8260B
4-Chlorotoluene	ND	250	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	500	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	250	ug/kg	SW846 8260B
Dibromomethane	ND	250	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	500	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	250	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	250	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	250	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	250	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	250	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	250	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	250	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	250	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	250	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	250	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	250	ug/kg	SW846 8260B
Ethylbenzene	ND	250	ug/kg	SW846 8260B

(Continued on next page)

NGSC-GLU005134

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6F210382 **Work Order #...:** H8DM01AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	250	ug/kg	SW846 8260B
2-Hexanone	ND	1200	ug/kg	SW846 8260B
Isopropylbenzene	ND	250	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	250	ug/kg	SW846 8260B
Methylene chloride	ND	250	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	1200	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	250	ug/kg	SW846 8260B
Naphthalene	ND	250	ug/kg	SW846 8260B
n-Propylbenzene	ND	250	ug/kg	SW846 8260B
Styrene	ND	500	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	250	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	250	ug/kg	SW846 8260B
Tetrachloroethene	ND	250	ug/kg	SW846 8260B
Toluene	ND	250	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	250	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	250	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	250	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	250	ug/kg	SW846 8260B
Trichloroethene	ND	250	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	500	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	250	ug/kg	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	250	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	250	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	250	ug/kg	SW846 8260B
Vinyl chloride	ND	500	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	250	ug/kg	SW846 8260B
o-Xylene	ND	250	ug/kg	SW846 8260B
Xylenes (total)	ND	250	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(65 - 130)
1,2-Dichloroethane-d4	95	(65 - 130)
Toluene-d8	94	(65 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NGSC-GLU005135

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6F210382 Work Order #...: H77GL1AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: E6F240000-108 H77GL1AD-LCSD
Prep Date.....: 06/22/06 Analysis Date..: 06/24/06
Prep Batch #...: 6175108 Analysis Time..: 01:33
Dilution Factor: 1 Instrument ID..: MSO
Analyst ID.....: 004648

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**98**	**(70 - 130)**			**SW846 8260B**
	95	**(70 - 130)**	**3.3**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**104**	**(70 - 130)**			**SW846 8260B**
	100	**(70 - 130)**	**3.9**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethene	**103**	**(50 - 160)**			**SW846 8260B**
	102	**(50 - 160)**	**0.29**	**(0-30)**	**SW846 8260B**
Toluene	**101**	**(70 - 130)**			**SW846 8260B**
	98	**(70 - 130)**	**3.2**	**(0-30)**	**SW846 8260B**
Trichloroethene	**99**	**(70 - 135)**			**SW846 8260B**
	97	**(70 - 135)**	**1.3**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	90	(60 - 125)
	87	(60 - 125)
1,2-Dichloroethane-d4	96	(55 - 125)
	93	(55 - 125)
Toluene-d8	92	(60 - 125)
	91	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU005136

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6F210382 **Work Order #...:** H77GL1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: E6F240000-108 H77GL1AD-LCSD
Prep Date.....: 06/22/06 **Analysis Date..:** 06/24/06
Prep Batch #...: 6175108 **Analysis Time..:** 01:33
Dilution Factor: 1 **Instrument ID..:** MSO
Analyst ID.....: 004648

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**50.0**	**48.9**	**ug/kg**	**98**		**SW846 8260B**
	50.0	**47.3**	**ug/kg**	**95**	**3.3**	**SW846 8260B**
Chlorobenzene	**50.0**	**52.2**	**ug/kg**	**104**		**SW846 8260B**
	50.0	**50.1**	**ug/kg**	**100**	**3.9**	**SW846 8260B**
1,1-Dichloroethene	**50.0**	**51.3**	**ug/kg**	**103**		**SW846 8260B**
	50.0	**51.2**	**ug/kg**	**102**	**0.29**	**SW846 8260B**
Toluene	**50.0**	**50.6**	**ug/kg**	**101**		**SW846 8260B**
	50.0	**49.0**	**ug/kg**	**98**	**3.2**	**SW846 8260B**
Trichloroethene	**50.0**	**49.3**	**ug/kg**	**99**		**SW846 8260B**
	50.0	**48.7**	**ug/kg**	**97**	**1.3**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	90	(60 - 125)
	87	(60 - 125)
1,2-Dichloroethane-d4	96	(55 - 125)
	93	(55 - 125)
Toluene-d8	92	(60 - 125)
	91	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU005137

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6F210382
LCS Lot-Sample#: E6F280000-338
Prep Date.....: 06/22/06
Prep Batch #...: 6179338
Dilution Factor: 1
Analyst ID.....: 999998

Work Order #...: H8DM01AC-LCS
H8DM01AD-LCSD
Analysis Date..: 06/24/06
Analysis Time..: 14:56
Instrument ID..: MSP

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**97**	**(70 - 125)**			**SW846 8260B**
	104	**(70 - 125)**	**6.4**	**(0-35)**	**SW846 8260B**
Chlorobenzene	**101**	**(70 - 125)**			**SW846 8260B**
	107	**(70 - 125)**	**6.0**	**(0-35)**	**SW846 8260B**
1,1-Dichloroethene	**96**	**(50 - 155)**			**SW846 8260B**
	102	**(50 - 155)**	**5.8**	**(0-35)**	**SW846 8260B**
Toluene	**97**	**(70 - 120)**			**SW846 8260B**
	102	**(70 - 120)**	**4.3**	**(0-35)**	**SW846 8260B**
Trichloroethene	**104**	**(70 - 125)**			**SW846 8260B**
	109	**(70 - 125)**	**4.9**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	91	(65 - 130)
	92	(65 - 130)
1,2-Dichloroethane-d4	90	(65 - 130)
	92	(65 - 130)
Toluene-d8	91	(65 - 130)
	93	(65 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU005138

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6F210382 **Work Order #...:** H8DM01AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: E6F280000-338 H8DM01AD-LCSD
Prep Date.....: 06/22/06 **Analysis Date..:** 06/24/06
Prep Batch #...: 6179338 **Analysis Time..:** 14:56
Dilution Factor: 1 **Instrument ID..:** MSP
Analyst ID.....: 999998

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**2500**	**2430**	**ug/kg**	**97**		**SW846 8260B**
	2500	**2600**	**ug/kg**	**104**	**6.4**	**SW846 8260B**
Chlorobenzene	**2500**	**2520**	**ug/kg**	**101**		**SW846 8260B**
	2500	**2680**	**ug/kg**	**107**	**6.0**	**SW846 8260B**
1,1-Dichloroethene	**2500**	**2400**	**ug/kg**	**96**		**SW846 8260B**
	2500	**2550**	**ug/kg**	**102**	**5.8**	**SW846 8260B**
Toluene	**2500**	**2430**	**ug/kg**	**97**		**SW846 8260B**
	2500	**2540**	**ug/kg**	**102**	**4.3**	**SW846 8260B**
Trichloroethene	**2500**	**2590**	**ug/kg**	**104**		**SW846 8260B**
	2500	**2720**	**ug/kg**	**109**	**4.9**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	91	(65 - 130)
	92	(65 - 130)
1,2-Dichloroethane-d4	90	(65 - 130)
	92	(65 - 130)
Toluene-d8	91	(65 - 130)
	93	(65 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU005139

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: E6F210382 **Work Order #...:** H7R7P-SMP H7R7P-DUP **Matrix.....:** SOLID

Date Sampled...: 06/19/06 16:22 **Date Received..:** 06/20/06 16:45

% Moisture.....: 6.3

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	E6F200341-001	
	6.3	5.7	%	10	(0-10)	MCAWW 160.3 MOD	06/22-06/23/06	6173431

Dilution Factor: 1 Analysis Time..: 13:15 Analyst ID.....: 000064

Instrument ID..: W15 MS Run Number..: 6173320

NGSC-GLU005140

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

July 10, 2006

STL LOT NUMBER: **E6F260218**

Greg Rainwater
Entact Environmental Services,
3129 Bass Pro Drive
Grapevine, TX 76051

Dear Greg Rainwater,

This report contains the analytical results for the 21 samples received under chain of custody by Severn Trent Laboratories (STL) on June 26, 2006. These samples are associated with your Johnson Controls, Fullerton CA project.

STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP certification numbers for STL Los Angeles are 01118CA and E87652 FL.

Any matrix related anomaly is footnoted within the report. A cooler receipt temperature of 2 to 6 degrees Celsius is considered within acceptance criteria. Please refer to the Project Receipt Checklist for specific container temperature and conditions.

This report shall not be reproduced except in full, without the written approval of the laboratory.

000089

This report contains _____ pages

NGSC-GLU005141

CASE NARRATIVE

Historical control limits for the LCS are used to define the estimate of uncertainty for a method.

All applicable quality control procedures met method-specified acceptance criteria unless noted below.

If you have any questions, please feel free to call me at (714) 258-8610 extension 325.

Sincerely,

Linda Scharpenberg
Customer Service Manager

cc: Project File

NGSC-GLU005142

E6F260218

hain of ustody Record

SEVERN TRENT **STL®**

Severn Trent Laboratories, Inc.

E6F260218

:4124 (0901)

ent: ENTACT	Project Manager: GREG RAINWATER	Date: 6/26/06	Chain of Custody Number: 291504
dress: 3129 BASS PRO DRIVE	Telephone Number (Area Code)/Fax Number: 972/580-1323	Lab Number	Page 2 of
y: GRAPEVINE State: TX Zip Code: 76051	Site Contact: M. Garrigan	Lab Contact: TERRY SWART	
ject Name and Location (State): TCI - Fullerton, CA	Carrier/Waybill Number		
ntract/Purchase Order/Quote No.: C1613			

Sample I.D. No. and Description (ontainers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC (8260)	Special Instructions/ Conditions of Receipt
B132 (4.5-5)	6/24/06	1610				X							X	
B132 (9.5-10)		1620				X							X	
B132 (19.5-20)		1625				X							X	
B132 (29.5-30)		1640				X							X	
B132 (39.5-40)		1648				X							X	
B132 (49.5-50)		1707				X							X	
5B132 (59.5-60)		1723				X							X	
5B132 (69.5-70)		1738				X							X	
5B132 (79.5-80)		1755				X							X	

ssible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

m Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 5 days

QC Requirements (Specify)

Relinquished By: M. Garrigan ENTACT	Date: 6/26/06	Time: 1217	1. Received By: [signature]	Date: 6-26-06	Time: 12:17
Relinquished By: [signature]	Date: 6-26-06	Time: 18:15	2. Received By: [signature]	Date: 6/26/06	Time: 1815
Relinquished By	Date	Time	3. Received By	Date	Time

mments

:TRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

3

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 6/26/06

Single Cooler Only

LIMS Lot #: E6F260218 Quote #: 68553

Client Name: Entset Project: JCI - Fullerton, CA

Received by: SG Date/Time Received: 6/26/06 1815

Delivered by : ☐ Client ☒ STL ☐ DHL ☐ Fed Ex ☐ UPS ☐ Other

****

	Initial / Date
Custody Seal Status Cooler: ☐Intact ☐Broken ☒None	SG 6/26/06
Custody Seal Status Samples: ☐Intact ☐Broken ☒None	
Custody Seal #(s): N/A ☒No Seal #	
Sampler Signature on COC ☐ Yes ☐No ☒N/A	
IR Gun # A Correction Factor -.3 °C IR passed daily verification ☒ Yes ☐No	
Temperature - BLANK 4.7 °C - .3 CF = 4.4 °C ...Cooler #1 ID N/A	
Temperature – COOLER (°C °C °C °C) = avg °C - .3 CF = °C	
Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒N/A	
Sample Container(s): ☒STL-LA ☐ Client	
pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒N/A	
Anomalies: ☒No ☐Yes – complete CUR and Create NCM	

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ Yes ☐ No

Labeled by: SG

****

Turn Around Time: ☐RUSH–24HR ☐RUSH–48HR ☐RUSH–72HR ☒NORMAL SG 6/26/06

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐YES ☒N/A SG 6/26/06

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

NGSC-GLU005144

LIMS Lot # E6F 260218

PROJECT RECEIPT CHECKLIST Cont'd

Fraction	1-21													
PAH														
5oE	2													
25oE	1													
2oz(G)	1													

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☐YES ☒N/A 6/26/06

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **CUSTODY SEALS (COOLER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CONTAINER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☐ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other ☐ COC not received – notify PM
- **CONTAINERS**
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
  - ☐ Will be noted on COC–Client to send samples with new COC
  - ☐ Mislabeled as to tests, preservatives, etc.
  - ☐ Holding time expired – list sample ID and test
  - ☐ Improper container used
  - ☐ Not preserved/Improper preservative used
  - ☐ Improper pH _____ Lab to preserve sample and document
  - ☐ Insufficient quantities for analysis ☐ Other

Comments:

☐ Corrective Action Implemented:

☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____

☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: Logged in by other STL ☐ 6-26-06 **PM Review/Date:** 6/27/06

SILVERN TRENT STL

Analytical Report

E6F260218

NGSC-GLU005146

ANALYTICAL REPORT

Johnson Controls, Fullerton CA

Lot #: E6F260218

Greg Rainwater

Entact Environmental Services,

SEVERN TRENT LABORATORIES, INC.

Diane Suzuki
Project Manager

July 10, 2006

NGSC-GLU005147

EXECUTIVE SUMMARY - Detection Highlights

E6F260218

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SB135 (69.5-70) 06/23/06 16:25 001				
Tetrachloroethene	10	5.0	ug/kg	SW846 8260B
Percent Moisture	19.8	0.10	%	MCAWW 160.3 MOD
SB135 (79.5-80) 06/23/06 16:45 002				
Percent Moisture	11.7	0.10	%	MCAWW 160.3 MOD
SB131 (4.5-5) 06/24/06 10:50 003				
Tetrachloroethene	24	6.1	ug/kg	SW846 8260B
Trichloroethene	4.3 J	6.1	ug/kg	SW846 8260B
Percent Moisture	24.0	0.10	%	MCAWW 160.3 MOD
SB131 (9.5-10) 06/24/06 11:05 004				
1,1-Dichloroethene	2.4 J	5.4	ug/kg	SW846 8260B
Tetrachloroethene	20	5.4	ug/kg	SW846 8260B
Trichloroethene	4.3 J	5.4	ug/kg	SW846 8260B
Percent Moisture	22.7	0.10	%	MCAWW 160.3 MOD
SB131 (19.5-20) 06/24/06 11:11 005				
Tetrachloroethene	3.1 J	5.4	ug/kg	SW846 8260B
Percent Moisture	11.5	0.10	%	MCAWW 160.3 MOD
SB131 (29.5-30) 06/24/06 12:45 006				
1,1-Dichloroethene	36	5.6	ug/kg	SW846 8260B
Tetrachloroethene	73	5.6	ug/kg	SW846 8260B
Trichloroethene	18	5.6	ug/kg	SW846 8260B
Percent Moisture	20.9	0.10	%	MCAWW 160.3 MOD
SB131 (39.5-40) 06/24/06 13:00 007				
1,1-Dichloroethene	5.3 J	5.4	ug/kg	SW846 8260B
Tetrachloroethene	9.8	5.4	ug/kg	SW846 8260B
Trichloroethene	3.3 J	5.4	ug/kg	SW846 8260B
Percent Moisture	18.5	0.10	%	MCAWW 160.3 MOD

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NGSC-GLU005148

EXECUTIVE SUMMARY - Detection Highlights

E6F260218

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SB131 (49.5-50) 06/24/06 13:10 008				
1,1-Dichloroethene	4.0 J	6.4	ug/kg	SW846 8260B
Tetrachloroethene	11	6.4	ug/kg	SW846 8260B
Trichloroethene	11	6.4	ug/kg	SW846 8260B
Percent Moisture	25.3	0.10	%	MCAWW 160.3 MOD
SB131 (59.5-60) 06/24/06 13:45 009				
Percent Moisture	9.4	0.10	%	MCAWW 160.3 MOD
SB131 (69.5-70) 06/24/06 14:00 010				
1,1-Dichloroethene	20	4.9	ug/kg	SW846 8260B
Tetrachloroethene	56	4.9	ug/kg	SW846 8260B
Trichloroethene	11	4.9	ug/kg	SW846 8260B
Percent Moisture	18.9	0.10	%	MCAWW 160.3 MOD
SB131 (79.5-80) 06/24/06 14:10 011				
1,1-Dichloroethene	6.2	4.4	ug/kg	SW846 8260B
Tetrachloroethene	6.2	4.4	ug/kg	SW846 8260B
Percent Moisture	9.6	0.10	%	MCAWW 160.3 MOD
SB131D (79.5-80) 06/24/06 14:15 012				
1,1-Dichloroethene	3.3 J	5.1	ug/kg	SW846 8260B
Tetrachloroethene	5.2	5.1	ug/kg	SW846 8260B
Percent Moisture	9.7	0.10	%	MCAWW 160.3 MOD
SB132 (4.5-5) 06/24/06 16:10 013				
1,1-Dichloroethene	4.5 J	5.9	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	6.5	5.9	ug/kg	SW846 8260B
Tetrachloroethene	110	5.9	ug/kg	SW846 8260B
Trichloroethene	21	5.9	ug/kg	SW846 8260B
Percent Moisture	21.4	0.10	%	MCAWW 160.3 MOD
SB132 (9.5-10) 06/24/06 16:20 014				
1,1-Dichloroethene	6.1	5.5	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	6.5	5.5	ug/kg	SW846 8260B
Tetrachloroethene	86	5.5	ug/kg	SW846 8260B
Trichloroethene	18	5.5	ug/kg	SW846 8260B
Percent Moisture	17.2	0.10	%	MCAWW 160.3 MOD

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NGSC-GLU005149

EXECUTIVE SUMMARY - Detection Highlights

E6F260218

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SB132 (19.5-20) 06/24/06 16:25 015				
cis-1,2-Dichloroethene	3.5 J	5.4	ug/kg	SW846 8260B
Tetrachloroethene	170	5.4	ug/kg	SW846 8260B
Trichloroethene	15	5.4	ug/kg	SW846 8260B
Percent Moisture	18.9	0.10	%	MCAWW 160.3 MOD
SB132 (29.5-30) 06/24/06 16:40 016				
1,1-Dichloroethene	50	5.3	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	4.4 J	5.3	ug/kg	SW846 8260B
Tetrachloroethene	190	5.3	ug/kg	SW846 8260B
Trichloroethene	62	5.3	ug/kg	SW846 8260B
Percent Moisture	19.2	0.10	%	MCAWW 160.3 MOD
SB132 (39.5-40) 06/24/06 16:48 017				
Tetrachloroethene	17	5.0	ug/kg	SW846 8260B
Trichloroethene	6.5	5.0	ug/kg	SW846 8260B
Percent Moisture	10.9	0.10	%	MCAWW 160.3 I
SB132 (49.5-50) 06/24/06 17:07 018				
1,1-Dichloroethene	41	5.6	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	2.9 J	5.6	ug/kg	SW846 8260B
Tetrachloroethene	36	5.6	ug/kg	SW846 8260B
Trichloroethene	62	5.6	ug/kg	SW846 8260B
Percent Moisture	19.1	0.10	%	MCAWW 160.3 MOD
SB132 (59.5-60) 06/24/06 17:23 019				
1,1-Dichloroethene	33	5.9	ug/kg	SW846 8260B
Tetrachloroethene	19	5.9	ug/kg	SW846 8260B
Trichloroethene	53	5.9	ug/kg	SW846 8260B
Percent Moisture	23.5	0.10	%	MCAWW 160.3 MOD
SB132 (69.5-70) 06/24/06 17:38 020				
1,1-Dichloroethene	32	5.3	ug/kg	SW846 8260B
Tetrachloroethene	24	5.3	ug/kg	SW846 8260B
Trichloroethene	24	5.3	ug/kg	SW846 8260B
Percent Moisture	20.2	0.10	%	MCAWW 160.3 MOD

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NGSC-GLU005150

EXECUTIVE SUMMARY - Detection Highlights

E6F260218

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SB132 (79.5-80) 06/24/06 17:55 021				
1,1-Dichloroethene	7.1	5.1	ug/kg	SW846 8260B
Tetrachloroethene	14	5.1	ug/kg	SW846 8260B
Trichloroethene	5.3	5.1	ug/kg	SW846 8260B
Percent Moisture	17.3	0.10	%	MCAWW 160.3 MOD

NGSC-GLU005151

METHODS SUMMARY

E6F260218

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5035

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

NGSC-GLU005152

SAMPLE SUMMARY

E6F260218

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H781V	001	SB135 (69.5-70)	06/23/06	16:25
H781W	002	SB135 (79.5-80)	06/23/06	16:45
H781X	003	SB131 (4.5-5)	06/24/06	10:50
H7810	004	SB131 (9.5-10)	06/24/06	11:05
H7811	005	SB131 (19.5-20)	06/24/06	11:11
H7812	006	SB131 (29.5-30)	06/24/06	12:45
H7813	007	SB131 (39.5-40)	06/24/06	13:00
H7814	008	SB131 (49.5-50)	06/24/06	13:10
H7816	009	SB131 (59.5-60)	06/24/06	13:45
H7817	010	SB131 (69.5-70)	06/24/06	14:00
H7818	011	SB131 (79.5-80)	06/24/06	14:10
H7819	012	SB131D (79.5-80)	06/24/06	14:15
H782C	013	SB132 (4.5-5)	06/24/06	16:10
H782F	014	SB132 (9.5-10)	06/24/06	16:20
H782H	015	SB132 (19.5-20)	06/24/06	16:25
H782K	016	SB132 (29.5-30)	06/24/06	16:40
H782M	017	SB132 (39.5-40)	06/24/06	16:48
H782P	018	SB132 (49.5-50)	06/24/06	17:07
H782Q	019	SB132 (59.5-60)	06/24/06	17:23
H782T	020	SB132 (69.5-70)	06/24/06	17:38
H7820	021	SB132 (79.5-80)	06/24/06	17:55

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

NGSC-GLU005153

Entact Environmental Services, LLC

Client Sample ID: SB135 (69.5-70)

GC/MS Volatiles

Lot-Sample #...: E6F260218-001 Work Order #...: H781V1AA Matrix.....: SO
Date Sampled...: 06/23/06 16:25 Date Received..: 06/26/06 18:15 MS Run #.....:
Prep Date.....: 06/27/06 Analysis Date..: 06/29/06
Prep Batch #...: 6181281 Analysis Time..: 23:04
Dilution Factor: 0.8
% Moisture.....: 20 Analyst ID.....: 004648 Instrument ID..: MSO
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	10
Benzene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
Bromochloromethane	ND	5.0	ug/kg	1.0
Bromoform	ND	5.0	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
Carbon disulfide	ND	5.0	ug/kg	2.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Dibromochloromethane	ND	5.0	ug/kg	2.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
Chloroethane	ND	10	ug/kg	2.0
Chloroform	ND	5.0	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	2.0
Dibromomethane	ND	5.0	ug/kg	1.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
1,3-Dichloropropane	ND	5.0	ug/kg	2.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0

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NGSC-GLU005154

Entact Environmental Services, LLC

Client Sample ID: SB135 (69.5-70)

GC/MS Volatiles

Lot-Sample #...: E6F260218-001 **Work Order #...:** H781V1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	2.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
Naphthalene	ND	5.0	ug/kg	2.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
Styrene	ND	10	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	2.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	2.0
Tetrachloroethene	**10**	**5.0**	**ug/kg**	**2.0**
Toluene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	2.0
Trichloroethene	ND	5.0	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	2.0
1,1,2-Trichlorotrifluoro-ethane	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
Vinyl chloride	ND	10	ug/kg	2.0
m-Xylene & p-Xylene	ND	5.0	ug/kg	2.0
o-Xylene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	85	(60 - 125)
1,2-Dichloroethane-d4	90	(55 - 125)
Toluene-d8	86	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005155

Entact Environmental Services, LLC

Client Sample ID: SB135 (69.5-70)

General Chemistry

Lot-Sample #...: E6F260218-001 **Work Order #...:** H781V **Matrix.....:** SO
Date Sampled...: 06/23/06 16:25 **Date Received..:** 06/26/06 18:15
% Moisture.....: 20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**19.8**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/27-06/28/06**	**6178462**

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 000064
Instrument ID..: W15 MS Run #.....: 6178323 MDL.....:

NGSC-GLU005156

Entact Environmental Services, LLC

Client Sample ID: SB135 (79.5-80)

GC/MS Volatiles

Lot-Sample #...:	E6F260218-002	**Work Order #...:**	H781W1AA	**Matrix.....:**	SO
Date Sampled...:	06/23/06 16:45	**Date Received..:**	06/26/06 18:15	**MS Run #.....:**	
Prep Date.....:	06/27/06	**Analysis Date..:**	06/29/06		
Prep Batch #...:	6181281	**Analysis Time..:**	23:24		
Dilution Factor:	0.9				
% Moisture.....:	12	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	10
Benzene	ND	5.1	ug/kg	2.0
Bromobenzene	ND	5.1	ug/kg	2.0
Bromochloromethane	ND	5.1	ug/kg	1.0
Bromoform	ND	5.1	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	5.1	ug/kg	2.0
sec-Butylbenzene	ND	5.1	ug/kg	2.0
tert-Butylbenzene	ND	5.1	ug/kg	2.0
Carbon disulfide	ND	5.1	ug/kg	2.0
Carbon tetrachloride	ND	5.1	ug/kg	1.0
Chlorobenzene	ND	5.1	ug/kg	2.0
Dibromochloromethane	ND	5.1	ug/kg	2.0
Bromodichloromethane	ND	5.1	ug/kg	1.0
Chloroethane	ND	10	ug/kg	2.0
Chloroform	ND	5.1	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.1
2-Chlorotoluene	ND	5.1	ug/kg	2.0
4-Chlorotoluene	ND	5.1	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.1
1,2-Dibromoethane (EDB)	ND	5.1	ug/kg	2.0
Dibromomethane	ND	5.1	ug/kg	1.0
1,2-Dichlorobenzene	ND	5.1	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.1	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.1	ug/kg	2.0
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.1	ug/kg	1.0
1,2-Dichloroethane	ND	5.1	ug/kg	1.0
1,1-Dichloroethene	ND	5.1	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.1	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.1	ug/kg	2.0
1,2-Dichloropropane	ND	5.1	ug/kg	1.0
1,3-Dichloropropane	ND	5.1	ug/kg	2.0
2,2-Dichloropropane	ND	5.1	ug/kg	2.0
1,1-Dichloropropene	ND	5.1	ug/kg	1.0

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NGSC-GLU005157

Entact Environmental Services, LLC

Client Sample ID: SB135 (79.5-80)

GC/MS Volatiles

Lot-Sample #...: E6F260218-002 **Work Order #...:** H781W1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.1	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.1	ug/kg	2.0
Ethylbenzene	ND	5.1	ug/kg	2.0
Hexachlorobutadiene	ND	5.1	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Isopropylbenzene	ND	5.1	ug/kg	2.0
p-Isopropyltoluene	ND	5.1	ug/kg	2.0
Methylene chloride	ND	5.1	ug/kg	2.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Methyl tert-butyl ether	ND	5.1	ug/kg	1.0
Naphthalene	ND	5.1	ug/kg	2.0
n-Propylbenzene	ND	5.1	ug/kg	2.0
Styrene	ND	10	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.1	ug/kg	2.0
1,1,2,2-Tetrachloroethane	ND	5.1	ug/kg	2.0
Tetrachloroethene	ND	5.1	ug/kg	2.0
Toluene	ND	5.1	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.1	ug/kg	2.0
1,2,4-Trichlorobenzene	ND	5.1	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.1	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.1	ug/kg	2.0
Trichloroethene	ND	5.1	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.1	ug/kg	2.0
1,1,2-Trichlorotrifluoroethane	ND	5.1	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.1	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.1	ug/kg	2.0
Vinyl chloride	ND	10	ug/kg	2.0
m-Xylene & p-Xylene	ND	5.1	ug/kg	2.0
o-Xylene	ND	5.1	ug/kg	2.0
Xylenes (total)	ND	5.1	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	83	(60 - 125)
1,2-Dichloroethane-d4	79	(55 - 125)
Toluene-d8	82	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005158

Entact Environmental Services, LLC

Client Sample ID: SB135 (79.5-80)

General Chemistry

Lot-Sample #...: E6F260218-002 **Work Order #...:** H781W **Matrix.....:** SO
Date Sampled...: 06/23/06 16:45 **Date Received..:** 06/26/06 18:15
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**11.7**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/27-06/28/06**	**6178462**
		Dilution Factor: 1		Analysis Time..: 14:00	Analyst ID.....: 0000643	
		Instrument ID..: W15		MS Run #.....: 6178323	MDL.....:	

NGSC-GLU005159

Entact Environmental Services, LLC

Client Sample ID: SB131 (4.5-5)

GC/MS Volatiles

Lot-Sample #...: E6F260218-003 Work Order #...: H781X1AA Matrix.....: SO
Date Sampled...: 06/24/06 10:50 Date Received..: 06/26/06 18:15 MS Run #.....:
Prep Date.....: 06/27/06 Analysis Date..: 06/29/06
Prep Batch #...: 6181281 Analysis Time..: 23:44
Dilution Factor: 0.92
% Moisture.....: 24 Analyst ID.....: 004648 Instrument ID..: MSO
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	30	ug/kg	12
Benzene	ND	6.1	ug/kg	2.4
Bromobenzene	ND	6.1	ug/kg	2.4
Bromochloromethane	ND	6.1	ug/kg	1.2
Bromoform	ND	6.1	ug/kg	2.4
Bromomethane	ND	12	ug/kg	2.4
2-Butanone	ND	30	ug/kg	18
n-Butylbenzene	ND	6.1	ug/kg	2.4
sec-Butylbenzene	ND	6.1	ug/kg	2.4
tert-Butylbenzene	ND	6.1	ug/kg	2.4
Carbon disulfide	ND	6.1	ug/kg	2.4
Carbon tetrachloride	ND	6.1	ug/kg	1.2
Chlorobenzene	ND	6.1	ug/kg	2.4
Dibromochloromethane	ND	6.1	ug/kg	2.4
Bromodichloromethane	ND	6.1	ug/kg	1.2
Chloroethane	ND	12	ug/kg	2.4
Chloroform	ND	6.1	ug/kg	1.2
Chloromethane	ND	12	ug/kg	3.6
2-Chlorotoluene	ND	6.1	ug/kg	2.4
4-Chlorotoluene	ND	6.1	ug/kg	2.4
1,2-Dibromo-3-chloro-propane	ND	12	ug/kg	3.6
1,2-Dibromoethane (EDB)	ND	6.1	ug/kg	2.4
Dibromomethane	ND	6.1	ug/kg	1.2
1,2-Dichlorobenzene	ND	6.1	ug/kg	2.4
1,3-Dichlorobenzene	ND	6.1	ug/kg	2.4
1,4-Dichlorobenzene	ND	6.1	ug/kg	2.4
Dichlorodifluoromethane	ND	12	ug/kg	1.2
1,1-Dichloroethane	ND	6.1	ug/kg	1.2
1,2-Dichloroethane	ND	6.1	ug/kg	1.2
1,1-Dichloroethene	ND	6.1	ug/kg	2.4
cis-1,2-Dichloroethene	ND	6.1	ug/kg	2.4
trans-1,2-Dichloroethene	ND	6.1	ug/kg	2.4
1,2-Dichloropropane	ND	6.1	ug/kg	1.2
1,3-Dichloropropane	ND	6.1	ug/kg	2.4
2,2-Dichloropropane	ND	6.1	ug/kg	2.4
1,1-Dichloropropene	ND	6.1	ug/kg	1.2

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NGSC-GLU005160

Entact Environmental Services, LLC

Client Sample ID: SB131 (4.5-5)

GC/MS Volatiles

Lot-Sample #...: E6F260218-003 **Work Order #...:** H781X1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	6.1	ug/kg	1.2
trans-1,3-Dichloropropene	ND	6.1	ug/kg	2.4
Ethylbenzene	ND	6.1	ug/kg	2.4
Hexachlorobutadiene	ND	6.1	ug/kg	2.4
2-Hexanone	ND	30	ug/kg	12
Isopropylbenzene	ND	6.1	ug/kg	2.4
p-Isopropyltoluene	ND	6.1	ug/kg	2.4
Methylene chloride	ND	6.1	ug/kg	2.4
4-Methyl-2-pentanone	ND	30	ug/kg	12
Methyl tert-butyl ether	ND	6.1	ug/kg	1.2
Naphthalene	ND	6.1	ug/kg	2.4
n-Propylbenzene	ND	6.1	ug/kg	2.4
Styrene	ND	12	ug/kg	2.4
1,1,1,2-Tetrachloroethane	ND	6.1	ug/kg	2.4
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg	2.4
Tetrachloroethene	**24**	**6.1**	**ug/kg**	**2.4**
Toluene	ND	6.1	ug/kg	2.4
1,2,3-Trichlorobenzene	ND	6.1	ug/kg	2.4
1,2,4-Trichlorobenzene	ND	6.1	ug/kg	2.4
1,1,1-Trichloroethane	ND	6.1	ug/kg	1.2
1,1,2-Trichloroethane	ND	6.1	ug/kg	2.4
Trichloroethene	**4.3 J**	**6.1**	**ug/kg**	**2.4**
Trichlorofluoromethane	ND	12	ug/kg	2.4
1,2,3-Trichloropropane	ND	6.1	ug/kg	2.4
1,1,2-Trichlorotrifluoroethane	ND	6.1	ug/kg	2.4
1,2,4-Trimethylbenzene	ND	6.1	ug/kg	2.4
1,3,5-Trimethylbenzene	ND	6.1	ug/kg	2.4
Vinyl chloride	ND	12	ug/kg	2.4
m-Xylene & p-Xylene	ND	6.1	ug/kg	2.4
o-Xylene	ND	6.1	ug/kg	2.4
Xylenes (total)	ND	6.1	ug/kg	2.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	86	(60 - 125)
1,2-Dichloroethane-d4	90	(55 - 125)
Toluene-d8	85	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005161

Entact Environmental Services, LLC

Client Sample ID: SB131 (4.5-5)

General Chemistry

Lot-Sample #...: E6F260218-003 **Work Order #...:** H781X **Matrix.....:** SO
Date Sampled...: 06/24/06 10:50 **Date Received..:** 06/26/06 18:15
% Moisture.....: 24

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**24.0**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/27-06/28/06**	**6178462**

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0000643
Instrument ID..: W15 MS Run #.....: 6178323 MDL.....:

NGSC-GLU005162

Entact Environmental Services, LLC

Client Sample ID: SB131 (9.5-10)

GC/MS Volatiles

Lot-Sample #...:	E6F260218-004	**Work Order #...:**	H78101AA	**Matrix.....:**	SO
Date Sampled...:	06/24/06 11:05	**Date Received..:**	06/26/06 18:15	**MS Run #.....:**	
Prep Date.....:	06/27/06	**Analysis Date..:**	06/30/06		
Prep Batch #...:	6181281	**Analysis Time..:**	00:05		
Dilution Factor:	0.84				
% Moisture.....:	23	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	27	ug/kg	11
Benzene	ND	5.4	ug/kg	2.2
Bromobenzene	ND	5.4	ug/kg	2.2
Bromochloromethane	ND	5.4	ug/kg	1.1
Bromoform	ND	5.4	ug/kg	2.2
Bromomethane	ND	11	ug/kg	2.2
2-Butanone	ND	27	ug/kg	16
n-Butylbenzene	ND	5.4	ug/kg	2.2
sec-Butylbenzene	ND	5.4	ug/kg	2.2
tert-Butylbenzene	ND	5.4	ug/kg	2.2
Carbon disulfide	ND	5.4	ug/kg	2.2
Carbon tetrachloride	ND	5.4	ug/kg	1.1
Chlorobenzene	ND	5.4	ug/kg	2.2
Dibromochloromethane	ND	5.4	ug/kg	2.2
Bromodichloromethane	ND	5.4	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.2
Chloroform	ND	5.4	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.3
2-Chlorotoluene	ND	5.4	ug/kg	2.2
4-Chlorotoluene	ND	5.4	ug/kg	2.2
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.3
1,2-Dibromoethane (EDB)	ND	5.4	ug/kg	2.2
Dibromomethane	ND	5.4	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.4	ug/kg	2.2
1,3-Dichlorobenzene	ND	5.4	ug/kg	2.2
1,4-Dichlorobenzene	ND	5.4	ug/kg	2.2
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.4	ug/kg	1.1
1,2-Dichloroethane	ND	5.4	ug/kg	1.1
1,1-Dichloroethene	**2.4 J**	**5.4**	**ug/kg**	**2.2**
cis-1,2-Dichloroethene	ND	5.4	ug/kg	2.2
trans-1,2-Dichloroethene	ND	5.4	ug/kg	2.2
1,2-Dichloropropane	ND	5.4	ug/kg	1.1
1,3-Dichloropropane	ND	5.4	ug/kg	2.2
2,2-Dichloropropane	ND	5.4	ug/kg	2.2
1,1-Dichloropropene	ND	5.4	ug/kg	1.1

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NGSC-GLU005163

Entact Environmental Services, LLC

Client Sample ID: SB131 (9.5-10)

GC/MS Volatiles

Lot-Sample #...: E6F260218-004 **Work Order #...:** H78101AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.4	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.4	ug/kg	2.2
Ethylbenzene	ND	5.4	ug/kg	2.2
Hexachlorobutadiene	ND	5.4	ug/kg	2.2
2-Hexanone	ND	27	ug/kg	11
Isopropylbenzene	ND	5.4	ug/kg	2.2
p-Isopropyltoluene	ND	5.4	ug/kg	2.2
Methylene chloride	ND	5.4	ug/kg	2.2
4-Methyl-2-pentanone	ND	27	ug/kg	11
Methyl tert-butyl ether	ND	5.4	ug/kg	1.1
Naphthalene	ND	5.4	ug/kg	2.2
n-Propylbenzene	ND	5.4	ug/kg	2.2
Styrene	ND	11	ug/kg	2.2
1,1,1,2-Tetrachloroethane	ND	5.4	ug/kg	2.2
1,1,2,2-Tetrachloroethane	ND	5.4	ug/kg	2.2
Tetrachloroethene	**20**	**5.4**	**ug/kg**	**2.2**
Toluene	ND	5.4	ug/kg	2.2
1,2,3-Trichlorobenzene	ND	5.4	ug/kg	2.2
1,2,4-Trichlorobenzene	ND	5.4	ug/kg	2.2
1,1,1-Trichloroethane	ND	5.4	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.4	ug/kg	2.2
Trichloroethene	**4.3 J**	**5.4**	**ug/kg**	**2.2**
Trichlorofluoromethane	ND	11	ug/kg	2.2
1,2,3-Trichloropropane	ND	5.4	ug/kg	2.2
1,1,2-Trichlorotrifluoroethane	ND	5.4	ug/kg	2.2
1,2,4-Trimethylbenzene	ND	5.4	ug/kg	2.2
1,3,5-Trimethylbenzene	ND	5.4	ug/kg	2.2
Vinyl chloride	ND	11	ug/kg	2.2
m-Xylene & p-Xylene	ND	5.4	ug/kg	2.2
o-Xylene	ND	5.4	ug/kg	2.2
Xylenes (total)	ND	5.4	ug/kg	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	86	(60 - 125)
1,2-Dichloroethane-d4	88	(55 - 125)
Toluene-d8	86	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005164

Entact Environmental Services, LLC

Client Sample ID: SB131 (9.5-10)

General Chemistry

Lot-Sample #...: E6F260218-004 Work Order #...: H7810 Matrix.....: SO
Date Sampled...: 06/24/06 11:05 Date Received..: 06/26/06 18:15
% Moisture.....: 23

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	22.7	0.10	%	MCAWW 160.3 MOD	06/27-06/28/06	6178462

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.. ..: 0000643
Instrument ID..: W15 MS Run #.....: 6178323 MDL.....:

NGSC-GLU005165

Entact Environmental Services, LLC

Client Sample ID: SB131 (19.5-20)

GC/MS Volatiles

Lot-Sample #...: E6F260218-005 Work Order #...: H78111AA Matrix.....: SO
Date Sampled...: 06/24/06 11:11 Date Received..: 06/26/06 18:15 MS Run #.....:
Prep Date.....: 06/27/06 Analysis Date..: 06/30/06
Prep Batch #...: 6181281 Analysis Time..: 00:25
Dilution Factor: 0.96
% Moisture.....: 12 Analyst ID.....: 004648 Instrument ID..: MSO
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	27	ug/kg	11
Benzene	ND	5.4	ug/kg	2.2
Bromobenzene	ND	5.4	ug/kg	2.2
Bromochloromethane	ND	5.4	ug/kg	1.1
Bromoform	ND	5.4	ug/kg	2.2
Bromomethane	ND	11	ug/kg	2.2
2-Butanone	ND	27	ug/kg	16
n-Butylbenzene	ND	5.4	ug/kg	2.2
sec-Butylbenzene	ND	5.4	ug/kg	2.2
tert-Butylbenzene	ND	5.4	ug/kg	2.2
Carbon disulfide	ND	5.4	ug/kg	2.2
Carbon tetrachloride	ND	5.4	ug/kg	1.1
Chlorobenzene	ND	5.4	ug/kg	2.2
Dibromochloromethane	ND	5.4	ug/kg	2.2
Bromodichloromethane	ND	5.4	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.2
Chloroform	ND	5.4	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.3
2-Chlorotoluene	ND	5.4	ug/kg	2.2
4-Chlorotoluene	ND	5.4	ug/kg	2.2
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.3
1,2-Dibromoethane (EDB)	ND	5.4	ug/kg	2.2
Dibromomethane	ND	5.4	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.4	ug/kg	2.2
1,3-Dichlorobenzene	ND	5.4	ug/kg	2.2
1,4-Dichlorobenzene	ND	5.4	ug/kg	2.2
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.4	ug/kg	1.1
1,2-Dichloroethane	ND	5.4	ug/kg	1.1
1,1-Dichloroethene	ND	5.4	ug/kg	2.2
cis-1,2-Dichloroethene	ND	5.4	ug/kg	2.2
trans-1,2-Dichloroethene	ND	5.4	ug/kg	2.2
1,2-Dichloropropane	ND	5.4	ug/kg	1.1
1,3-Dichloropropane	ND	5.4	ug/kg	2.2
2,2-Dichloropropane	ND	5.4	ug/kg	2.2
1,1-Dichloropropene	ND	5.4	ug/kg	1.1

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NGSC-GLU005166

Entact Environmental Services, LLC

Client Sample ID: SB131 (19.5-20)

GC/MS Volatiles

Lot-Sample #...: E6F260218-005 **Work Order #...:** H78111AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.4	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.4	ug/kg	2.2
Ethylbenzene	ND	5.4	ug/kg	2.2
Hexachlorobutadiene	ND	5.4	ug/kg	2.2
2-Hexanone	ND	27	ug/kg	11
Isopropylbenzene	ND	5.4	ug/kg	2.2
p-Isopropyltoluene	ND	5.4	ug/kg	2.2
Methylene chloride	ND	5.4	ug/kg	2.2
4-Methyl-2-pentanone	ND	27	ug/kg	11
Methyl tert-butyl ether	ND	5.4	ug/kg	1.1
Naphthalene	ND	5.4	ug/kg	2.2
n-Propylbenzene	ND	5.4	ug/kg	2.2
Styrene	ND	11	ug/kg	2.2
1,1,1,2-Tetrachloroethane	ND	5.4	ug/kg	2.2
1,1,2,2-Tetrachloroethane	ND	5.4	ug/kg	2.2
Tetrachloroethene	**3.1 J**	**5.4**	**ug/kg**	**2.2**
Toluene	ND	5.4	ug/kg	2.2
1,2,3-Trichlorobenzene	ND	5.4	ug/kg	2.2
1,2,4-Trichlorobenzene	ND	5.4	ug/kg	2.2
1,1,1-Trichloroethane	ND	5.4	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.4	ug/kg	2.2
Trichloroethene	ND	5.4	ug/kg	2.2
Trichlorofluoromethane	ND	11	ug/kg	2.2
1,2,3-Trichloropropane	ND	5.4	ug/kg	2.2
1,1,2-Trichlorotrifluoroethane	ND	5.4	ug/kg	2.2
1,2,4-Trimethylbenzene	ND	5.4	ug/kg	2.2
1,3,5-Trimethylbenzene	ND	5.4	ug/kg	2.2
Vinyl chloride	ND	11	ug/kg	2.2
m-Xylene & p-Xylene	ND	5.4	ug/kg	2.2
o-Xylene	ND	5.4	ug/kg	2.2
Xylenes (total)	ND	5.4	ug/kg	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	88	(60 - 125)
1,2-Dichloroethane-d4	85	(55 - 125)
Toluene-d8	85	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005167

Entact Environmental Services, LLC

Client Sample ID: SB131 (19.5-20)

General Chemistry

Lot-Sample #...: E6F260218-005 **Work Order #...:** H7811 **Matrix.....:** SO
Date Sampled...: 06/24/06 11:11 **Date Received..:** 06/26/06 18:15
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**11.5**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/27-06/28/06**	**6178462**
		Dilution Factor: 1		Analysis Time..: 14:00	Analyst ID.....: 0000643	
		Instrument ID..: W15		MS Run #.....: 6178323	MDL.....:	

NGSC-GLU005168

Entact Environmental Services, LLC

Client Sample ID: SB131 (29.5-30)

GC/MS Volatiles

Lot-Sample #...: E6F260218-006 **Work Order #...:** H78121AA **Matrix.....:** SO
Date Sampled...: 06/24/06 12:45 **Date Received..:** 06/26/06 18:15 **MS Run #.....:**
Prep Date.....: 06/27/06 **Analysis Date..:** 06/30/06
Prep Batch #...: 6181281 **Analysis Time..:** 00:46
Dilution Factor: 0.88
% Moisture.....: 21 **Analyst ID.....:** 004648 **Instrument ID..:** MSO
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	28	ug/kg	11
Benzene	ND	5.6	ug/kg	2.2
Bromobenzene	ND	5.6	ug/kg	2.2
Bromochloromethane	ND	5.6	ug/kg	1.1
Bromoform	ND	5.6	ug/kg	2.2
Bromomethane	ND	11	ug/kg	2.2
2-Butanone	ND	28	ug/kg	17
n-Butylbenzene	ND	5.6	ug/kg	2.2
sec-Butylbenzene	ND	5.6	ug/kg	2.2
tert-Butylbenzene	ND	5.6	ug/kg	2.2
Carbon disulfide	ND	5.6	ug/kg	2.2
Carbon tetrachloride	ND	5.6	ug/kg	1.1
Chlorobenzene	ND	5.6	ug/kg	2.2
Dibromochloromethane	ND	5.6	ug/kg	2.2
Bromodichloromethane	ND	5.6	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.2
Chloroform	ND	5.6	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.3
2-Chlorotoluene	ND	5.6	ug/kg	2.2
4-Chlorotoluene	ND	5.6	ug/kg	2.2
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.3
1,2-Dibromoethane (EDB)	ND	5.6	ug/kg	2.2
Dibromomethane	ND	5.6	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.6	ug/kg	2.2
1,3-Dichlorobenzene	ND	5.6	ug/kg	2.2
1,4-Dichlorobenzene	ND	5.6	ug/kg	2.2
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.6	ug/kg	1.1
1,2-Dichloroethane	ND	5.6	ug/kg	1.1
1,1-Dichloroethene	**36**	**5.6**	**ug/kg**	**2.2**
cis-1,2-Dichloroethene	ND	5.6	ug/kg	2.2
trans-1,2-Dichloroethene	ND	5.6	ug/kg	2.2
1,2-Dichloropropane	ND	5.6	ug/kg	1.1
1,3-Dichloropropane	ND	5.6	ug/kg	2.2
2,2-Dichloropropane	ND	5.6	ug/kg	2.2
1,1-Dichloropropene	ND	5.6	ug/kg	1.1

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NGSC-GLU005169

Entact Environmental Services, LLC

Client Sample ID: SB131 (29.5-30)

GC/MS Volatiles

Lot-Sample #...: E6F260218-006 **Work Order #...:** H78121AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.6	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.6	ug/kg	2.2
Ethylbenzene	ND	5.6	ug/kg	2.2
Hexachlorobutadiene	ND	5.6	ug/kg	2.2
2-Hexanone	ND	28	ug/kg	11
Isopropylbenzene	ND	5.6	ug/kg	2.2
p-Isopropyltoluene	ND	5.6	ug/kg	2.2
Methylene chloride	ND	5.6	ug/kg	2.2
4-Methyl-2-pentanone	ND	28	ug/kg	11
Methyl tert-butyl ether	ND	5.6	ug/kg	1.1
Naphthalene	ND	5.6	ug/kg	2.2
n-Propylbenzene	ND	5.6	ug/kg	2.2
Styrene	ND	11	ug/kg	2.2
1,1,1,2-Tetrachloroethane	ND	5.6	ug/kg	2.2
1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg	2.2
Tetrachloroethene	**73**	**5.6**	**ug/kg**	**2.2**
Toluene	ND	5.6	ug/kg	2.2
1,2,3-Trichlorobenzene	ND	5.6	ug/kg	2.2
1,2,4-Trichloro-benzene	ND	5.6	ug/kg	2.2
1,1,1-Trichloroethane	ND	5.6	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.6	ug/kg	2.2
Trichloroethene	**18**	**5.6**	**ug/kg**	**2.2**
Trichlorofluoromethane	ND	11	ug/kg	2.2
1,2,3-Trichloropropane	ND	5.6	ug/kg	2.2
1,1,2-Trichlorotrifluoro-ethane	ND	5.6	ug/kg	2.2
1,2,4-Trimethylbenzene	ND	5.6	ug/kg	2.2
1,3,5-Trimethylbenzene	ND	5.6	ug/kg	2.2
Vinyl chloride	ND	11	ug/kg	2.2
m-Xylene & p-Xylene	ND	5.6	ug/kg	2.2
o-Xylene	ND	5.6	ug/kg	2.2
Xylenes (total)	ND	5.6	ug/kg	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	87	(60 - 125)
1,2-Dichloroethane-d4	89	(55 - 125)
Toluene-d8	84	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005170

Entact Environmental Services, LLC

Client Sample ID: SB131 (29.5-30)

General Chemistry

Lot-Sample #...: E6F260218-006 **Work Order #...:** H7812 **Matrix.....:** SO
Date Sampled...: 06/24/06 12:45 **Date Received..:** 06/26/06 18:15
% Moisture.....: 21

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**20.9**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/27-06/28/06**	**6178462**

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.... : 0000643
Instrument ID..: W15 MS Run #.....: 6178323 MDL..... :

NGSC-GLU005171

Entact Environmental Services, LLC

Client Sample ID: SB131 (39.5-40)

GC/MS Volatiles

Lot-Sample #...: E6F260218-007 **Work Order #...:** H78131AA **Matrix.....:** SO
Date Sampled...: 06/24/06 13:00 **Date Received..:** 06/26/06 18:15 **MS Run #.....:**
Prep Date.....: 06/27/06 **Analysis Date..:** 06/30/06
Prep Batch #...: 6181281 **Analysis Time..:** 01:06
Dilution Factor: 0.88
% Moisture.....: 18 **Analyst ID.....:** 004648 **Instrument ID..:** MSO
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	27	ug/kg	11
Benzene	ND	5.4	ug/kg	2.2
Bromobenzene	ND	5.4	ug/kg	2.2
Bromochloromethane	ND	5.4	ug/kg	1.1
Bromoform	ND	5.4	ug/kg	2.2
Bromomethane	ND	11	ug/kg	2.2
2-Butanone	ND	27	ug/kg	16
n-Butylbenzene	ND	5.4	ug/kg	2.2
sec-Butylbenzene	ND	5.4	ug/kg	2.2
tert-Butylbenzene	ND	5.4	ug/kg	2.2
Carbon disulfide	ND	5.4	ug/kg	2.2
Carbon tetrachloride	ND	5.4	ug/kg	1.1
Chlorobenzene	ND	5.4	ug/kg	2.2
Dibromochloromethane	ND	5.4	ug/kg	2.2
Bromodichloromethane	ND	5.4	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.2
Chloroform	ND	5.4	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.2
2-Chlorotoluene	ND	5.4	ug/kg	2.2
4-Chlorotoluene	ND	5.4	ug/kg	2.2
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.2
1,2-Dibromoethane (EDB)	ND	5.4	ug/kg	2.2
Dibromomethane	ND	5.4	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.4	ug/kg	2.2
1,3-Dichlorobenzene	ND	5.4	ug/kg	2.2
1,4-Dichlorobenzene	ND	5.4	ug/kg	2.2
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.4	ug/kg	1.1
1,2-Dichloroethane	ND	5.4	ug/kg	1.1
1,1-Dichloroethene	**5.3 J**	**5.4**	**ug/kg**	**2.2**
cis-1,2-Dichloroethene	ND	5.4	ug/kg	2.2
trans-1,2-Dichloroethene	ND	5.4	ug/kg	2.2
1,2-Dichloropropane	ND	5.4	ug/kg	1.1
1,3-Dichloropropane	ND	5.4	ug/kg	2.2
2,2-Dichloropropane	ND	5.4	ug/kg	2.2
1,1-Dichloropropene	ND	5.4	ug/kg	1.1

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NGSC-GLU005172

Entact Environmental Services, LLC

Client Sample ID: SB131 (39.5-40)

GC/MS Volatiles

Lot-Sample #...: E6F260218-007 **Work Order #...:** H78131AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.4	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.4	ug/kg	2.2
Ethylbenzene	ND	5.4	ug/kg	2.2
Hexachlorobutadiene	ND	5.4	ug/kg	2.2
2-Hexanone	ND	27	ug/kg	11
Isopropylbenzene	ND	5.4	ug/kg	2.2
p-Isopropyltoluene	ND	5.4	ug/kg	2.2
Methylene chloride	ND	5.4	ug/kg	2.2
4-Methyl-2-pentanone	ND	27	ug/kg	11
Methyl tert-butyl ether	ND	5.4	ug/kg	1.1
Naphthalene	ND	5.4	ug/kg	2.2
n-Propylbenzene	ND	5.4	ug/kg	2.2
Styrene	ND	11	ug/kg	2.2
1,1,1,2-Tetrachloroethane	ND	5.4	ug/kg	2.2
1,1,2,2-Tetrachloroethane	ND	5.4	ug/kg	2.2
Tetrachloroethene	**9.8**	**5.4**	**ug/kg**	**2.2**
Toluene	ND	5.4	ug/kg	2.2
1,2,3-Trichlorobenzene	ND	5.4	ug/kg	2.2
1,2,4-Trichloro-benzene	ND	5.4	ug/kg	2.2
1,1,1-Trichloroethane	ND	5.4	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.4	ug/kg	2.2
Trichloroethene	**3.3 J**	**5.4**	**ug/kg**	**2.2**
Trichlorofluoromethane	ND	11	ug/kg	2.2
1,2,3-Trichloropropane	ND	5.4	ug/kg	2.2
1,1,2-Trichlorotrifluoro-ethane	ND	5.4	ug/kg	2.2
1,2,4-Trimethylbenzene	ND	5.4	ug/kg	2.2
1,3,5-Trimethylbenzene	ND	5.4	ug/kg	2.2
Vinyl chloride	ND	11	ug/kg	2.2
m-Xylene & p-Xylene	ND	5.4	ug/kg	2.2
o-Xylene	ND	5.4	ug/kg	2.2
Xylenes (total)	ND	5.4	ug/kg	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	87	(60 - 125)
1,2-Dichloroethane-d4	88	(55 - 125)
Toluene-d8	85	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005173

Entact Environmental Services, LLC

Client Sample ID: SB131 (39.5-40)

General Chemistry

Lot-Sample #...: E6F260218-007 Work Order #...: H7813 Matrix.....: SO
Date Sampled...: 06/24/06 13:00 Date Received..: 06/26/06 18:15
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	18.5	0.10	%	MCAWW 160.3 MOD	06/27-06/28/06	6178462

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0000643
Instrument ID..: W15 MS Run #.....: 6178323 MDL.....:

NGSC-GLU005174

Entact Environmental Services, LLC

Client Sample ID: SB131 (49.5-50)

GC/MS Volatiles

Lot-Sample #...:	E6F260218-008	**Work Order #...:**	H78141AA	**Matrix.....:**	SO
Date Sampled...:	06/24/06 13:10	**Date Received..:**	06/26/06 18:15	**MS Run #.....:**	
Prep Date.....:	06/27/06	**Analysis Date..:**	06/30/06		
Prep Batch #...:	6181281	**Analysis Time..:**	01:27		
Dilution Factor:	0.96				
% Moisture.....:	25	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	32	ug/kg	13
Benzene	ND	6.4	ug/kg	2.6
Bromobenzene	ND	6.4	ug/kg	2.6
Bromochloromethane	ND	6.4	ug/kg	1.3
Bromoform	ND	6.4	ug/kg	2.6
Bromomethane	ND	13	ug/kg	2.6
2-Butanone	ND	32	ug/kg	19
n-Butylbenzene	ND	6.4	ug/kg	2.6
sec-Butylbenzene	ND	6.4	ug/kg	2.6
tert-Butylbenzene	ND	6.4	ug/kg	2.6
Carbon disulfide	ND	6.4	ug/kg	2.6
Carbon tetrachloride	ND	6.4	ug/kg	1.3
Chlorobenzene	ND	6.4	ug/kg	2.6
Dibromochloromethane	ND	6.4	ug/kg	2.6
Bromodichloromethane	ND	6.4	ug/kg	1.3
Chloroethane	ND	13	ug/kg	2.6
Chloroform	ND	6.4	ug/kg	1.3
Chloromethane	ND	13	ug/kg	3.9
2-Chlorotoluene	ND	6.4	ug/kg	2.6
4-Chlorotoluene	ND	6.4	ug/kg	2.6
1,2-Dibromo-3-chloro-propane	ND	13	ug/kg	3.9
1,2-Dibromoethane (EDB)	ND	6.4	ug/kg	2.6
Dibromomethane	ND	6.4	ug/kg	1.3
1,2-Dichlorobenzene	ND	6.4	ug/kg	2.6
1,3-Dichlorobenzene	ND	6.4	ug/kg	2.6
1,4-Dichlorobenzene	ND	6.4	ug/kg	2.6
Dichlorodifluoromethane	ND	13	ug/kg	1.3
1,1-Dichloroethane	ND	6.4	ug/kg	1.3
1,2-Dichloroethane	ND	6.4	ug/kg	1.3
1,1-Dichloroethene	**4.0 J**	**6.4**	**ug/kg**	**2.6**
cis-1,2-Dichloroethene	ND	6.4	ug/kg	2.6
trans-1,2-Dichloroethene	ND	6.4	ug/kg	2.6
1,2-Dichloropropane	ND	6.4	ug/kg	1.3
1,3-Dichloropropane	ND	6.4	ug/kg	2.6
2,2-Dichloropropane	ND	6.4	ug/kg	2.6
1,1-Dichloropropene	ND	6.4	ug/kg	1.3

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Entact Environmental Services, LLC

Client Sample ID: SB131 (49.5-50)

GC/MS Volatiles

Lot-Sample #...: E6F260218-008 **Work Order #...:** H78141AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	6.4	ug/kg	1.3
trans-1,3-Dichloropropene	ND	6.4	ug/kg	2.6
Ethylbenzene	ND	6.4	ug/kg	2.6
Hexachlorobutadiene	ND	6.4	ug/kg	2.6
2-Hexanone	ND	32	ug/kg	13
Isopropylbenzene	ND	6.4	ug/kg	2.6
p-Isopropyltoluene	ND	6.4	ug/kg	2.6
Methylene chloride	ND	6.4	ug/kg	2.6
4-Methyl-2-pentanone	ND	32	ug/kg	13
Methyl tert-butyl ether	ND	6.4	ug/kg	1.3
Naphthalene	ND	6.4	ug/kg	2.6
n-Propylbenzene	ND	6.4	ug/kg	2.6
Styrene	ND	13	ug/kg	2.6
1,1,1,2-Tetrachloroethane	ND	6.4	ug/kg	2.6
1,1,2,2-Tetrachloroethane	ND	6.4	ug/kg	2.6
Tetrachloroethene	**11**	**6.4**	**ug/kg**	**2.6**
Toluene	ND	6.4	ug/kg	2.6
1,2,3-Trichlorobenzene	ND	6.4	ug/kg	2.6
1,2,4-Trichlorobenzene	ND	6.4	ug/kg	2.6
1,1,1-Trichloroethane	ND	6.4	ug/kg	1.3
1,1,2-Trichloroethane	ND	6.4	ug/kg	2.6
Trichloroethene	**11**	**6.4**	**ug/kg**	**2.6**
Trichlorofluoromethane	ND	13	ug/kg	2.6
1,2,3-Trichloropropane	ND	6.4	ug/kg	2.6
1,1,2-Trichlorotrifluoroethane	ND	6.4	ug/kg	2.6
1,2,4-Trimethylbenzene	ND	6.4	ug/kg	2.6
1,3,5-Trimethylbenzene	ND	6.4	ug/kg	2.6
Vinyl chloride	ND	13	ug/kg	2.6
m-Xylene & p-Xylene	ND	6.4	ug/kg	2.6
o-Xylene	ND	6.4	ug/kg	2.6
Xylenes (total)	ND	6.4	ug/kg	2.6

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	87	(60 - 125)
1,2-Dichloroethane-d4	84	(55 - 125)
Toluene-d8	86	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005176

Entact Environmental Services, LLC

Client Sample ID: SB131 (49.5-50)

General Chemistry

Lot-Sample #...: E6F260218-008 Work Order #...: H7814 Matrix.....: SO
Date Sampled...: 06/24/06 13:10 Date Received..: 06/26/06 18:15
% Moisture.....: 25

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	25.3	0.10	%	MCAWW 160.3 MOD	06/27-06/28/06	6178462

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0000643
Instrument ID..: W15 MS Run #.....: 6178323 MDL.....:

NGSC-GLU005177

Entact Environmental Services, LLC

Client Sample ID: SB131 (59.5-60)

GC/MS Volatiles

Lot-Sample #...: E6F260218-009 **Work Order #...:** H78161AA **Matrix.....:** SO
Date Sampled...: 06/24/06 13:45 **Date Received..:** 06/26/06 18:15 **MS Run #.....:**
Prep Date.....: 06/27/06 **Analysis Date..:** 06/30/06
Prep Batch #...: 6181281 **Analysis Time..:** 01:47
Dilution Factor: 1.07
% Moisture.....: 9.4 **Analyst ID.....:** 004648 **Instrument ID..:** MSO
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	30	ug/kg	12
Benzene	ND	5.9	ug/kg	2.4
Bromobenzene	ND	5.9	ug/kg	2.4
Bromochloromethane	ND	5.9	ug/kg	1.2
Bromoform	ND	5.9	ug/kg	2.4
Bromomethane	ND	12	ug/kg	2.4
2-Butanone	ND	30	ug/kg	18
n-Butylbenzene	ND	5.9	ug/kg	2.4
sec-Butylbenzene	ND	5.9	ug/kg	2.4
tert-Butylbenzene	ND	5.9	ug/kg	2.4
Carbon disulfide	ND	5.9	ug/kg	2.4
Carbon tetrachloride	ND	5.9	ug/kg	1.2
Chlorobenzene	ND	5.9	ug/kg	2.4
Dibromochloromethane	ND	5.9	ug/kg	2.4
Bromodichloromethane	ND	5.9	ug/kg	1.2
Chloroethane	ND	12	ug/kg	2.4
Chloroform	ND	5.9	ug/kg	1.2
Chloromethane	ND	12	ug/kg	3.5
2-Chlorotoluene	ND	5.9	ug/kg	2.4
4-Chlorotoluene	ND	5.9	ug/kg	2.4
1,2-Dibromo-3-chloro-propane	ND	12	ug/kg	3.5
1,2-Dibromoethane (EDB)	ND	5.9	ug/kg	2.4
Dibromomethane	ND	5.9	ug/kg	1.2
1,2-Dichlorobenzene	ND	5.9	ug/kg	2.4
1,3-Dichlorobenzene	ND	5.9	ug/kg	2.4
1,4-Dichlorobenzene	ND	5.9	ug/kg	2.4
Dichlorodifluoromethane	ND	12	ug/kg	1.2
1,1-Dichloroethane	ND	5.9	ug/kg	1.2
1,2-Dichloroethane	ND	5.9	ug/kg	1.2
1,1-Dichloroethene	ND	5.9	ug/kg	2.4
cis-1,2-Dichloroethene	ND	5.9	ug/kg	2.4
trans-1,2-Dichloroethene	ND	5.9	ug/kg	2.4
1,2-Dichloropropane	ND	5.9	ug/kg	1.2
1,3-Dichloropropane	ND	5.9	ug/kg	2.4
2,2-Dichloropropane	ND	5.9	ug/kg	2.4
1,1-Dichloropropene	ND	5.9	ug/kg	1.2

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NGSC-GLU005178

Entact Environmental Services, LLC

Client Sample ID: SB131 (59.5-60)

GC/MS Volatiles

Lot-Sample #...: E6F260218-009 **Work Order #...:** H78161AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.9	ug/kg	1.2
trans-1,3-Dichloropropene	ND	5.9	ug/kg	2.4
Ethylbenzene	ND	5.9	ug/kg	2.4
Hexachlorobutadiene	ND	5.9	ug/kg	2.4
2-Hexanone	ND	30	ug/kg	12
Isopropylbenzene	ND	5.9	ug/kg	2.4
p-Isopropyltoluene	ND	5.9	ug/kg	2.4
Methylene chloride	ND	5.9	ug/kg	2.4
4-Methyl-2-pentanone	ND	30	ug/kg	12
Methyl tert-butyl ether	ND	5.9	ug/kg	1.2
Naphthalene	ND	5.9	ug/kg	2.4
n-Propylbenzene	ND	5.9	ug/kg	2.4
Styrene	ND	12	ug/kg	2.4
1,1,1,2-Tetrachloroethane	ND	5.9	ug/kg	2.4
1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg	2.4
Tetrachloroethene	ND	5.9	ug/kg	2.4
Toluene	ND	5.9	ug/kg	2.4
1,2,3-Trichlorobenzene	ND	5.9	ug/kg	2.4
1,2,4-Trichlorobenzene	ND	5.9	ug/kg	2.4
1,1,1-Trichloroethane	ND	5.9	ug/kg	1.2
1,1,2-Trichloroethane	ND	5.9	ug/kg	2.4
Trichloroethene	ND	5.9	ug/kg	2.4
Trichlorofluoromethane	ND	12	ug/kg	2.4
1,2,3-Trichloropropane	ND	5.9	ug/kg	2.4
1,1,2-Trichlorotrifluoroethane	ND	5.9	ug/kg	2.4
1,2,4-Trimethylbenzene	ND	5.9	ug/kg	2.4
1,3,5-Trimethylbenzene	ND	5.9	ug/kg	2.4
Vinyl chloride	ND	12	ug/kg	2.4
m-Xylene & p-Xylene	ND	5.9	ug/kg	2.4
o-Xylene	ND	5.9	ug/kg	2.4
Xylenes (total)	ND	5.9	ug/kg	2.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	86	(60 - 125)
1,2-Dichloroethane-d4	85	(55 - 125)
Toluene-d8	85	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005179

Entact Environmental Services, LLC

Client Sample ID: SB131 (59.5-60)

General Chemistry

Lot-Sample #...: E6F260218-009 **Work Order #...:** H7816 **Matrix.....:** SO
Date Sampled...: 06/24/06 13:45 **Date Received..:** 06/26/06 18:15
% Moisture.....: 9.4

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**9.4**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/27-06/28/06**	**6178462**

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0000643
Instrument ID..: W15 MS Run #.....: 6178323 MDL.....:

NGSC-GLU005180

Entact Environmental Services, LLC

Client Sample ID: SB131 (69.5-70)

GC/MS Volatiles

Lot-Sample #...: E6F260218-010 **Work Order #...:** H78171AA **Matrix.....:** SO
Date Sampled...: 06/24/06 14:00 **Date Received..:** 06/26/06 18:15 **MS Run #.....:**
Prep Date.....: 06/27/06 **Analysis Date..:** 06/30/06
Prep Batch #...: 6181281 **Analysis Time..:** 08:54
Dilution Factor: 0.8
% Moisture.....: 19 **Analyst ID.....:** 004648 **Instrument ID..:** MSO
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	9.9
Benzene	ND	4.9	ug/kg	2.0
Bromobenzene	ND	4.9	ug/kg	2.0
Bromochloromethane	ND	4.9	ug/kg	0.99
Bromoform	ND	4.9	ug/kg	2.0
Bromomethane	ND	9.9	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	4.9	ug/kg	2.0
sec-Butylbenzene	ND	4.9	ug/kg	2.0
tert-Butylbenzene	ND	4.9	ug/kg	2.0
Carbon disulfide	ND	4.9	ug/kg	2.0
Carbon tetrachloride	ND	4.9	ug/kg	0.99
Chlorobenzene	ND	4.9	ug/kg	2.0
Dibromochloromethane	ND	4.9	ug/kg	2.0
Bromodichloromethane	ND	4.9	ug/kg	0.99
Chloroethane	ND	9.9	ug/kg	2.0
Chloroform	ND	4.9	ug/kg	0.99
Chloromethane	ND	9.9	ug/kg	3.0
2-Chlorotoluene	ND	4.9	ug/kg	2.0
4-Chlorotoluene	ND	4.9	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	9.9	ug/kg	3.0
1,2-Dibromoethane (EDB)	ND	4.9	ug/kg	2.0
Dibromomethane	ND	4.9	ug/kg	0.99
1,2-Dichlorobenzene	ND	4.9	ug/kg	2.0
1,3-Dichlorobenzene	ND	4.9	ug/kg	2.0
1,4-Dichlorobenzene	ND	4.9	ug/kg	2.0
Dichlorodifluoromethane	ND	9.9	ug/kg	0.99
1,1-Dichloroethane	ND	4.9	ug/kg	0.99
1,2-Dichloroethane	ND	4.9	ug/kg	0.99
1,1-Dichloroethene	**20**	**4.9**	**ug/kg**	**2.0**
cis-1,2-Dichloroethene	ND	4.9	ug/kg	2.0
trans-1,2-Dichloroethene	ND	4.9	ug/kg	2.0
1,2-Dichloropropane	ND	4.9	ug/kg	0.99
1,3-Dichloropropane	ND	4.9	ug/kg	2.0
2,2-Dichloropropane	ND	4.9	ug/kg	2.0
1,1-Dichloropropene	ND	4.9	ug/kg	0.99

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NGSC-GLU005181

Entact Environmental Services, LLC

Client Sample ID: SB131 (69.5-70)

GC/MS Volatiles

Lot-Sample #...: E6F260218-010 **Work Order #...:** H78171AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	4.9	ug/kg	0.99
trans-1,3-Dichloropropene	ND	4.9	ug/kg	2.0
Ethylbenzene	ND	4.9	ug/kg	2.0
Hexachlorobutadiene	ND	4.9	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	9.9
Isopropylbenzene	ND	4.9	ug/kg	2.0
p-Isopropyltoluene	ND	4.9	ug/kg	2.0
Methylene chloride	ND	4.9	ug/kg	2.0
4-Methyl-2-pentanone	ND	25	ug/kg	9.9
Methyl tert-butyl ether	ND	4.9	ug/kg	0.99
Naphthalene	ND	4.9	ug/kg	2.0
n-Propylbenzene	ND	4.9	ug/kg	2.0
Styrene	ND	9.9	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	4.9	ug/kg	2.0
1,1,2,2-Tetrachloroethane	ND	4.9	ug/kg	2.0
Tetrachloroethene	**56**	**4.9**	**ug/kg**	**2.0**
Toluene	ND	4.9	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	4.9	ug/kg	2.0
1,2,4-Trichlorobenzene	ND	4.9	ug/kg	2.0
1,1,1-Trichloroethane	ND	4.9	ug/kg	0.99
1,1,2-Trichloroethane	ND	4.9	ug/kg	2.0
Trichloroethene	**11**	**4.9**	**ug/kg**	**2.0**
Trichlorofluoromethane	ND	9.9	ug/kg	2.0
1,2,3-Trichloropropane	ND	4.9	ug/kg	2.0
1,1,2-Trichlorotrifluoroethane	ND	4.9	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	4.9	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	4.9	ug/kg	2.0
Vinyl chloride	ND	9.9	ug/kg	2.0
m-Xylene & p-Xylene	ND	4.9	ug/kg	2.0
o-Xylene	ND	4.9	ug/kg	2.0
Xylenes (total)	ND	4.9	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	85	(60 - 125)
1,2-Dichloroethane-d4	86	(55 - 125)
Toluene-d8	86	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005182

Entact Environmental Services, LLC

Client Sample ID: SB131 (69.5-70)

General Chemistry

Lot-Sample #...: E6F260218-010 **Work Order #...:** H7817 **Matrix.....:** SO
Date Sampled...: 06/24/06 14:00 **Date Received..:** 06/26/06 18:15
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**18.9**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/27-06/28/06**	**6178462**
		Dilution Factor: 1		Analysis Time..: 14:00	Analyst ID.....: 0000643	
		Instrument ID..: W15		MS Run #.....: 6178323	MDL.....:	

NGSC-GLU005183

Entact Environmental Services, LLC

Client Sample ID: SB131 (79.5-80)

GC/MS Volatiles

Lot-Sample #...: E6F260218-011 Work Order #...: H78181AA Matrix.....: SO
Date Sampled...: 06/24/06 14:10 Date Received..: 06/26/06 18:15 MS Run #.....:
Prep Date.....: 06/27/06 Analysis Date..: 06/30/06
Prep Batch #...: 6181281 Analysis Time..: 09:15
Dilution Factor: 0.8
% Moisture.....: 9.6 Analyst ID.....: 004648 Instrument ID..: MSO
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	22	ug/kg	8.8
Benzene	ND	4.4	ug/kg	1.8
Bromobenzene	ND	4.4	ug/kg	1.8
Bromochloromethane	ND	4.4	ug/kg	0.88
Bromoform	ND	4.4	ug/kg	1.8
Bromomethane	ND	8.8	ug/kg	1.8
2-Butanone	ND	22	ug/kg	13
n-Butylbenzene	ND	4.4	ug/kg	1.8
sec-Butylbenzene	ND	4.4	ug/kg	1.8
tert-Butylbenzene	ND	4.4	ug/kg	1.8
Carbon disulfide	ND	4.4	ug/kg	1.8
Carbon tetrachloride	ND	4.4	ug/kg	0.88
Chlorobenzene	ND	4.4	ug/kg	1.8
Dibromochloromethane	ND	4.4	ug/kg	1.8
Bromodichloromethane	ND	4.4	ug/kg	0.88
Chloroethane	ND	8.8	ug/kg	1.8
Chloroform	ND	4.4	ug/kg	0.88
Chloromethane	ND	8.8	ug/kg	2.7
2-Chlorotoluene	ND	4.4	ug/kg	1.8
4-Chlorotoluene	ND	4.4	ug/kg	1.8
1,2-Dibromo-3-chloro-propane	ND	8.8	ug/kg	2.7
1,2-Dibromoethane (EDB)	ND	4.4	ug/kg	1.8
Dibromomethane	ND	4.4	ug/kg	0.88
1,2-Dichlorobenzene	ND	4.4	ug/kg	1.8
1,3-Dichlorobenzene	ND	4.4	ug/kg	1.8
1,4-Dichlorobenzene	ND	4.4	ug/kg	1.8
Dichlorodifluoromethane	ND	8.8	ug/kg	0.88
1,1-Dichloroethane	ND	4.4	ug/kg	0.88
1,2-Dichloroethane	ND	4.4	ug/kg	0.88
1,1-Dichloroethene	**6.2**	**4.4**	**ug/kg**	**1.8**
cis-1,2-Dichloroethene	ND	4.4	ug/kg	1.8
trans-1,2-Dichloroethene	ND	4.4	ug/kg	1.8
1,2-Dichloropropane	ND	4.4	ug/kg	0.88
1,3-Dichloropropane	ND	4.4	ug/kg	1.8
2,2-Dichloropropane	ND	4.4	ug/kg	1.8
1,1-Dichloropropene	ND	4.4	ug/kg	0.88

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Entact Environmental Services, LLC

Client Sample ID: SB131 (79.5-80)

GC/MS Volatiles

Lot-Sample #...: E6F260218-011 **Work Order #...:** H78181AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	4.4	ug/kg	0.88
trans-1,3-Dichloropropene	ND	4.4	ug/kg	1.8
Ethylbenzene	ND	4.4	ug/kg	1.8
Hexachlorobutadiene	ND	4.4	ug/kg	1.8
2-Hexanone	ND	22	ug/kg	8.8
Isopropylbenzene	ND	4.4	ug/kg	1.8
p-Isopropyltoluene	ND	4.4	ug/kg	1.8
Methylene chloride	ND	4.4	ug/kg	1.8
4-Methyl-2-pentanone	ND	22	ug/kg	8.8
Methyl tert-butyl ether	ND	4.4	ug/kg	0.88
Naphthalene	ND	4.4	ug/kg	1.8
n-Propylbenzene	ND	4.4	ug/kg	1.8
Styrene	ND	8.8	ug/kg	1.8
1,1,1,2-Tetrachloroethane	ND	4.4	ug/kg	1.8
1,1,2,2-Tetrachloroethane	ND	4.4	ug/kg	1.8
Tetrachloroethene	**6.2**	**4.4**	**ug/kg**	**1.8**
Toluene	ND	4.4	ug/kg	1.8
1,2,3-Trichlorobenzene	ND	4.4	ug/kg	1.8
1,2,4-Trichloro-benzene	ND	4.4	ug/kg	1.8
1,1,1-Trichloroethane	ND	4.4	ug/kg	0.88
1,1,2-Trichloroethane	ND	4.4	ug/kg	1.8
Trichloroethene	ND	4.4	ug/kg	1.8
Trichlorofluoromethane	ND	8.8	ug/kg	1.8
1,2,3-Trichloropropane	ND	4.4	ug/kg	1.8
1,1,2-Trichlorotrifluoro-ethane	ND	4.4	ug/kg	1.8
1,2,4-Trimethylbenzene	ND	4.4	ug/kg	1.8
1,3,5-Trimethylbenzene	ND	4.4	ug/kg	1.8
Vinyl chloride	ND	8.8	ug/kg	1.8
m-Xylene & p-Xylene	ND	4.4	ug/kg	1.8
o-Xylene	ND	4.4	ug/kg	1.8
Xylenes (total)	ND	4.4	ug/kg	1.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	84	(60 - 125)
1,2-Dichloroethane-d4	80	(55 - 125)
Toluene-d8	85	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005185

Entact Environmental Services, LLC

Client Sample ID: SB131 (79.5-80)

General Chemistry

Lot-Sample #...: E6F260218-011 Work Order #...: H7818 Matrix.....: SO
Date Sampled...: 06/24/06 14:10 Date Received..: 06/26/06 18:15
% Moisture.....: 9.6

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	9.6	0.10	%	MCAWW 160.3 MOD	06/27-06/28/06	6178462

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0000643
Instrument ID..: W15 MS Run #.....: 6178323 MDL.....:

NGSC-GLU005186

Entact Environmental Services, LLC

Client Sample ID: SB131D (79.5-80)

GC/MS Volatiles

Lot-Sample #...:	E6F260218-012	**Work Order #...:**	H78191AA	**Matrix.....:**	SO
Date Sampled...:	06/24/06 14:15	**Date Received..:**	06/26/06 18:15	**MS Run #.....:**	
Prep Date.....:	06/27/06	**Analysis Date..:**	06/30/06		
Prep Batch #...:	6181281	**Analysis Time..:**	09:44		
Dilution Factor:	0.92				
% Moisture.....:	9.7	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	10
Benzene	ND	5.1	ug/kg	2.0
Bromobenzene	ND	5.1	ug/kg	2.0
Bromochloromethane	ND	5.1	ug/kg	1.0
Bromoform	ND	5.1	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	5.1	ug/kg	2.0
sec-Butylbenzene	ND	5.1	ug/kg	2.0
tert-Butylbenzene	ND	5.1	ug/kg	2.0
Carbon disulfide	ND	5.1	ug/kg	2.0
Carbon tetrachloride	ND	5.1	ug/kg	1.0
Chlorobenzene	ND	5.1	ug/kg	2.0
Dibromochloromethane	ND	5.1	ug/kg	2.0
Bromodichloromethane	ND	5.1	ug/kg	1.0
Chloroethane	ND	10	ug/kg	2.0
Chloroform	ND	5.1	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.1
2-Chlorotoluene	ND	5.1	ug/kg	2.0
4-Chlorotoluene	ND	5.1	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.1
1,2-Dibromoethane (EDB)	ND	5.1	ug/kg	2.0
Dibromomethane	ND	5.1	ug/kg	1.0
1,2-Dichlorobenzene	ND	5.1	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.1	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.1	ug/kg	2.0
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.1	ug/kg	1.0
1,2-Dichloroethane	ND	5.1	ug/kg	1.0
1,1-Dichloroethene	**3.3 J**	**5.1**	**ug/kg**	**2.0**
cis-1,2-Dichloroethene	ND	5.1	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.1	ug/kg	2.0
1,2-Dichloropropane	ND	5.1	ug/kg	1.0
1,3-Dichloropropane	ND	5.1	ug/kg	2.0
2,2-Dichloropropane	ND	5.1	ug/kg	2.0
1,1-Dichloropropene	ND	5.1	ug/kg	1.0

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NGSC-GLU005187

Entact Environmental Services, LLC

Client Sample ID: SB131D (79.5-80)

GC/MS Volatiles

Lot-Sample #...: E6F260218-012 **Work Order #...:** H78191AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.1	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.1	ug/kg	2.0
Ethylbenzene	ND	5.1	ug/kg	2.0
Hexachlorobutadiene	ND	5.1	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Isopropylbenzene	ND	5.1	ug/kg	2.0
p-Isopropyltoluene	ND	5.1	ug/kg	2.0
Methylene chloride	ND	5.1	ug/kg	2.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Methyl tert-butyl ether	ND	5.1	ug/kg	1.0
Naphthalene	ND	5.1	ug/kg	2.0
n-Propylbenzene	ND	5.1	ug/kg	2.0
Styrene	ND	10	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.1	ug/kg	2.0
1,1,2,2-Tetrachloroethane	ND	5.1	ug/kg	2.0
Tetrachloroethene	**5.2**	**5.1**	**ug/kg**	**2.0**
Toluene	ND	5.1	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.1	ug/kg	2.0
1,2,4-Trichlorobenzene	ND	5.1	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.1	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.1	ug/kg	2.0
Trichloroethene	ND	5.1	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.1	ug/kg	2.0
1,1,2-Trichlorotrifluoroethane	ND	5.1	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.1	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.1	ug/kg	2.0
Vinyl chloride	ND	10	ug/kg	2.0
m-Xylene & p-Xylene	ND	5.1	ug/kg	2.0
o-Xylene	ND	5.1	ug/kg	2.0
Xylenes (total)	ND	5.1	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	82	(60 - 125)
1,2-Dichloroethane-d4	79	(55 - 125)
Toluene-d8	79	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Entact Environmental Services, LLC

Client Sample ID: SB131D (79.5-80)

General Chemistry

Lot-Sample #...: E6F260218-012 Work Order #...: H7819 Matrix.....: SO
Date Sampled...: 06/24/06 14:15 Date Received..: 06/26/06 18:15
% Moisture.....: 9.7

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	9.7	0.10	%	MCAWW 160.3 MOD	06/27-06/28/06	6178462

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0000643
Instrument ID..: W15 MS Run #.....: 6178323 MDL.....:

NGSC-GLU005189

Entact Environmental Services, LLC

Client Sample ID: SB132 (4.5-5)

GC/MS Volatiles

Lot-Sample #...:	E6F260218-013	**Work Order #...:**	H782C1AA	**Matrix.....:**	SO
Date Sampled...:	06/24/06 16:10	**Date Received..:**	06/26/06 18:15	**MS Run #.....:**	
Prep Date.....:	06/27/06	**Analysis Date..:**	06/30/06		
Prep Batch #...:	6181281	**Analysis Time..:**	10:04		
Dilution Factor:	0.93				
% Moisture.....:	21	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	30	ug/kg	12
Benzene	ND	5.9	ug/kg	2.4
Bromobenzene	ND	5.9	ug/kg	2.4
Bromochloromethane	ND	5.9	ug/kg	1.2
Bromoform	ND	5.9	ug/kg	2.4
Bromomethane	ND	12	ug/kg	2.4
2-Butanone	ND	30	ug/kg	18
n-Butylbenzene	ND	5.9	ug/kg	2.4
sec-Butylbenzene	ND	5.9	ug/kg	2.4
tert-Butylbenzene	ND	5.9	ug/kg	2.4
Carbon disulfide	ND	5.9	ug/kg	2.4
Carbon tetrachloride	ND	5.9	ug/kg	1.2
Chlorobenzene	ND	5.9	ug/kg	2.4
Dibromochloromethane	ND	5.9	ug/kg	2.4
Bromodichloromethane	ND	5.9	ug/kg	1.2
Chloroethane	ND	12	ug/kg	2.4
Chloroform	ND	5.9	ug/kg	1.2
Chloromethane	ND	12	ug/kg	3.5
2-Chlorotoluene	ND	5.9	ug/kg	2.4
4-Chlorotoluene	ND	5.9	ug/kg	2.4
1,2-Dibromo-3-chloro-propane	ND	12	ug/kg	3.5
1,2-Dibromoethane (EDB)	ND	5.9	ug/kg	2.4
Dibromomethane	ND	5.9	ug/kg	1.2
1,2-Dichlorobenzene	ND	5.9	ug/kg	2.4
1,3-Dichlorobenzene	ND	5.9	ug/kg	2.4
1,4-Dichlorobenzene	ND	5.9	ug/kg	2.4
Dichlorodifluoromethane	ND	12	ug/kg	1.2
1,1-Dichloroethane	ND	5.9	ug/kg	1.2
1,2-Dichloroethane	ND	5.9	ug/kg	1.2
1,1-Dichloroethene	**4.5 J**	**5.9**	**ug/kg**	**2.4**
cis-1,2-Dichloroethene	**6.5**	**5.9**	**ug/kg**	**2.4**
trans-1,2-Dichloroethene	ND	5.9	ug/kg	2.4
1,2-Dichloropropane	ND	5.9	ug/kg	1.2
1,3-Dichloropropane	ND	5.9	ug/kg	2.4
2,2-Dichloropropane	ND	5.9	ug/kg	2.4
1,1-Dichloropropene	ND	5.9	ug/kg	1.2

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Entact Environmental Services, LLC

Client Sample ID: SB132 (4.5-5)

GC/MS Volatiles

Lot-Sample #...: E6F260218-013 **Work Order #...:** H782C1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.9	ug/kg	1.2
trans-1,3-Dichloropropene	ND	5.9	ug/kg	2.4
Ethylbenzene	ND	5.9	ug/kg	2.4
Hexachlorobutadiene	ND	5.9	ug/kg	2.4
2-Hexanone	ND	30	ug/kg	12
Isopropylbenzene	ND	5.9	ug/kg	2.4
p-Isopropyltoluene	ND	5.9	ug/kg	2.4
Methylene chloride	ND	5.9	ug/kg	2.4
4-Methyl-2-pentanone	ND	30	ug/kg	12
Methyl tert-butyl ether	ND	5.9	ug/kg	1.2
Naphthalene	ND	5.9	ug/kg	2.4
n-Propylbenzene	ND	5.9	ug/kg	2.4
Styrene	ND	12	ug/kg	2.4
1,1,1,2-Tetrachloroethane	ND	5.9	ug/kg	2.4
1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg	2.4
Tetrachloroethene	**110**	**5.9**	**ug/kg**	**2.4**
Toluene	ND	5.9	ug/kg	2.4
1,2,3-Trichlorobenzene	ND	5.9	ug/kg	2.4
1,2,4-Trichloro-benzene	ND	5.9	ug/kg	2.4
1,1,1-Trichloroethane	ND	5.9	ug/kg	1.2
1,1,2-Trichloroethane	ND	5.9	ug/kg	2.4
Trichloroethene	**21**	**5.9**	**ug/kg**	**2.4**
Trichlorofluoromethane	ND	12	ug/kg	2.4
1,2,3-Trichloropropane	ND	5.9	ug/kg	2.4
1,1,2-Trichlorotrifluoro-ethane	ND	5.9	ug/kg	2.4
1,2,4-Trimethylbenzene	ND	5.9	ug/kg	2.4
1,3,5-Trimethylbenzene	ND	5.9	ug/kg	2.4
Vinyl chloride	ND	12	ug/kg	2.4
m-Xylene & p-Xylene	ND	5.9	ug/kg	2.4
o-Xylene	ND	5.9	ug/kg	2.4
Xylenes (total)	ND	5.9	ug/kg	2.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	86	(60 - 125)
1,2-Dichloroethane-d4	91	(55 - 125)
Toluene-d8	86	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005191

Entact Environmental Services, LLC

Client Sample ID: SB132 (4.5-5)

General Chemistry

Lot-Sample #...: E6F260218-013 Work Order #...: H782C Matrix.....: SO
Date Sampled...: 06/24/06 16:10 Date Received..: 06/26/06 18:15
% Moisture.....: 21

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	21.4	0.10	%	MCAWW 160.3 MOD	06/27-06/28/06	6178462

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0000643
Instrument ID..: W15 MS Run #.....: 6178323 MDL.....:

NGSC-GLU005192

Entact Environmental Services, LLC

Client Sample ID: SB132 (9.5-10)

GC/MS Volatiles

Lot-Sample #...:	E6F260218-014	**Work Order #...:**	H782F1AA	**Matrix.....:**	SO
Date Sampled...:	06/24/06 16:20	**Date Received..:**	06/26/06 18:15	**MS Run #.....:**	
Prep Date.....:	06/27/06	**Analysis Date..:**	06/30/06		
Prep Batch #...:	6181281	**Analysis Time..:**	10:25		
Dilution Factor:	0.91				
% Moisture.....:	17	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	27	ug/kg	11
Benzene	ND	5.5	ug/kg	2.2
Bromobenzene	ND	5.5	ug/kg	2.2
Bromochloromethane	ND	5.5	ug/kg	1.1
Bromoform	ND	5.5	ug/kg	2.2
Bromomethane	ND	11	ug/kg	2.2
2-Butanone	ND	27	ug/kg	16
n-Butylbenzene	ND	5.5	ug/kg	2.2
sec-Butylbenzene	ND	5.5	ug/kg	2.2
tert-Butylbenzene	ND	5.5	ug/kg	2.2
Carbon disulfide	ND	5.5	ug/kg	2.2
Carbon tetrachloride	ND	5.5	ug/kg	1.1
Chlorobenzene	ND	5.5	ug/kg	2.2
Dibromochloromethane	ND	5.5	ug/kg	2.2
Bromodichloromethane	ND	5.5	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.2
Chloroform	ND	5.5	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.3
2-Chlorotoluene	ND	5.5	ug/kg	2.2
4-Chlorotoluene	ND	5.5	ug/kg	2.2
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.3
1,2-Dibromoethane (EDB)	ND	5.5	ug/kg	2.2
Dibromomethane	ND	5.5	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.5	ug/kg	2.2
1,3-Dichlorobenzene	ND	5.5	ug/kg	2.2
1,4-Dichlorobenzene	ND	5.5	ug/kg	2.2
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.5	ug/kg	1.1
1,2-Dichloroethane	ND	5.5	ug/kg	1.1
1,1-Dichloroethene	**6.1**	**5.5**	**ug/kg**	**2.2**
cis-1,2-Dichloroethene	**6.5**	**5.5**	**ug/kg**	**2.2**
trans-1,2-Dichloroethene	ND	5.5	ug/kg	2.2
1,2-Dichloropropane	ND	5.5	ug/kg	1.1
1,3-Dichloropropane	ND	5.5	ug/kg	2.2
2,2-Dichloropropane	ND	5.5	ug/kg	2.2
1,1-Dichloropropene	ND	5.5	ug/kg	1.1

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NGSC-GLU005193

Entact Environmental Services, LLC

Client Sample ID: SB132 (9.5-10)

GC/MS Volatiles

Lot-Sample #...: E6F260218-014 **Work Order #...:** H782F1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.5	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.5	ug/kg	2.2
Ethylbenzene	ND	5.5	ug/kg	2.2
Hexachlorobutadiene	ND	5.5	ug/kg	2.2
2-Hexanone	ND	27	ug/kg	11
Isopropylbenzene	ND	5.5	ug/kg	2.2
p-Isopropyltoluene	ND	5.5	ug/kg	2.2
Methylene chloride	ND	5.5	ug/kg	2.2
4-Methyl-2-pentanone	ND	27	ug/kg	11
Methyl tert-butyl ether	ND	5.5	ug/kg	1.1
Naphthalene	ND	5.5	ug/kg	2.2
n-Propylbenzene	ND	5.5	ug/kg	2.2
Styrene	ND	11	ug/kg	2.2
1,1,1,2-Tetrachloroethane	ND	5.5	ug/kg	2.2
1,1,2,2-Tetrachloroethane	ND	5.5	ug/kg	2.2
Tetrachloroethene	**86**	**5.5**	**ug/kg**	**2.2**
Toluene	ND	5.5	ug/kg	2.2
1,2,3-Trichlorobenzene	ND	5.5	ug/kg	2.2
1,2,4-Trichloro-benzene	ND	5.5	ug/kg	2.2
1,1,1-Trichloroethane	ND	5.5	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.5	ug/kg	2.2
Trichloroethene	**18**	**5.5**	**ug/kg**	**2.2**
Trichlorofluoromethane	ND	11	ug/kg	2.2
1,2,3-Trichloropropane	ND	5.5	ug/kg	2.2
1,1,2-Trichlorotrifluoro-ethane	ND	5.5	ug/kg	2.2
1,2,4-Trimethylbenzene	ND	5.5	ug/kg	2.2
1,3,5-Trimethylbenzene	ND	5.5	ug/kg	2.2
Vinyl chloride	ND	11	ug/kg	2.2
m-Xylene & p-Xylene	ND	5.5	ug/kg	2.2
o-Xylene	ND	5.5	ug/kg	2.2
Xylenes (total)	ND	5.5	ug/kg	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	86	(60 - 125)
1,2-Dichloroethane-d4	89	(55 - 125)
Toluene-d8	85	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005194

Entact Environmental Services, LLC

Client Sample ID: SB132 (9.5-10)

General Chemistry

Lot-Sample #...: E6F260218-014 Work Order #...: H782F Matrix.....: SO
Date Sampled...: 06/24/06 16:20 Date Received..: 06/26/06 18:15
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	17.2	0.10	%	MCAWW 160.3 MOD	06/27-06/28/06	6178462

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.... : 0000643
Instrument ID..: W15 MS Run #.....: 6178323 MDL..... :

NGSC-GLU005195

Entact Environmental Services, LLC

Client Sample ID: SB132 (19.5-20)

GC/MS Volatiles

Lot-Sample #...:	E6F260218-015	**Work Order #...:**	H782H1AA	**Matrix.....:**	SO
Date Sampled...:	06/24/06 16:25	**Date Received..:**	06/26/06 18:15	**MS Run #.....:**	
Prep Date.....:	06/27/06	**Analysis Date..:**	06/30/06		
Prep Batch #...:	6181281	**Analysis Time..:**	14:34		
Dilution Factor:	0.87				
% Moisture.....:	19	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	27	ug/kg	11
Benzene	ND	5.4	ug/kg	2.1
Bromobenzene	ND	5.4	ug/kg	2.1
Bromochloromethane	ND	5.4	ug/kg	1.1
Bromoform	ND	5.4	ug/kg	2.1
Bromomethane	ND	11	ug/kg	2.1
2-Butanone	ND	27	ug/kg	16
n-Butylbenzene	ND	5.4	ug/kg	2.1
sec-Butylbenzene	ND	5.4	ug/kg	2.1
tert-Butylbenzene	ND	5.4	ug/kg	2.1
Carbon disulfide	ND	5.4	ug/kg	2.1
Carbon tetrachloride	ND	5.4	ug/kg	1.1
Chlorobenzene	ND	5.4	ug/kg	2.1
Dibromochloromethane	ND	5.4	ug/kg	2.1
Bromodichloromethane	ND	5.4	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.1
Chloroform	ND	5.4	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.2
2-Chlorotoluene	ND	5.4	ug/kg	2.1
4-Chlorotoluene	ND	5.4	ug/kg	2.1
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.2
1,2-Dibromoethane (EDB)	ND	5.4	ug/kg	2.1
Dibromomethane	ND	5.4	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.4	ug/kg	2.1
1,3-Dichlorobenzene	ND	5.4	ug/kg	2.1
1,4-Dichlorobenzene	ND	5.4	ug/kg	2.1
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.4	ug/kg	1.1
1,2-Dichloroethane	ND	5.4	ug/kg	1.1
1,1-Dichloroethene	ND	5.4	ug/kg	2.1
cis-1,2-Dichloroethene	**3.5 J**	**5.4**	**ug/kg**	**2.1**
trans-1,2-Dichloroethene	ND	5.4	ug/kg	2.1
1,2-Dichloropropane	ND	5.4	ug/kg	1.1
1,3-Dichloropropane	ND	5.4	ug/kg	2.1
2,2-Dichloropropane	ND	5.4	ug/kg	2.1
1,1-Dichloropropene	ND	5.4	ug/kg	1.1

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NGSC-GLU005196

Entact Environmental Services, LLC

Client Sample ID: SB132 (19.5-20)

GC/MS Volatiles

Lot-Sample #...: E6F260218-015 **Work Order #...:** H782H1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.4	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.4	ug/kg	2.1
Ethylbenzene	ND	5.4	ug/kg	2.1
Hexachlorobutadiene	ND	5.4	ug/kg	2.1
2-Hexanone	ND	27	ug/kg	11
Isopropylbenzene	ND	5.4	ug/kg	2.1
p-Isopropyltoluene	ND	5.4	ug/kg	2.1
Methylene chloride	ND	5.4	ug/kg	2.1
4-Methyl-2-pentanone	ND	27	ug/kg	11
Methyl tert-butyl ether	ND	5.4	ug/kg	1.1
Naphthalene	ND	5.4	ug/kg	2.1
n-Propylbenzene	ND	5.4	ug/kg	2.1
Styrene	ND	11	ug/kg	2.1
1,1,1,2-Tetrachloroethane	ND	5.4	ug/kg	2.1
1,1,2,2-Tetrachloroethane	ND	5.4	ug/kg	2.1
Tetrachloroethene	**170**	**5.4**	**ug/kg**	**2.1**
Toluene	ND	5.4	ug/kg	2.1
1,2,3-Trichlorobenzene	ND	5.4	ug/kg	2.1
1,2,4-Trichloro-benzene	ND	5.4	ug/kg	2.1
1,1,1-Trichloroethane	ND	5.4	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.4	ug/kg	2.1
Trichloroethene	**15**	**5.4**	**ug/kg**	**2.1**
Trichlorofluoromethane	ND	11	ug/kg	2.1
1,2,3-Trichloropropane	ND	5.4	ug/kg	2.1
1,1,2-Trichlorotrifluoro-ethane	ND	5.4	ug/kg	2.1
1,2,4-Trimethylbenzene	ND	5.4	ug/kg	2.1
1,3,5-Trimethylbenzene	ND	5.4	ug/kg	2.1
Vinyl chloride	ND	11	ug/kg	2.1
m-Xylene & p-Xylene	ND	5.4	ug/kg	2.1
o-Xylene	ND	5.4	ug/kg	2.1
Xylenes (total)	ND	5.4	ug/kg	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	90	(60 - 125)
1,2-Dichloroethane-d4	90	(55 - 125)
Toluene-d8	88	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005197

Entact Environmental Services, LLC

Client Sample ID: SB132 (19.5-20)

General Chemistry

Lot-Sample #...: E6F260218-015 Work Order #...: H782H Matrix.....: SO
Date Sampled...: 06/24/06 16:25 Date Received..: 06/26/06 18:15
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	18.9	0.10	%	MCAWW 160.3 MOD	06/27-06/28/06	6178462

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0000643
Instrument ID..: W15 MS Run #.....: 6178323 MDL.....:

NGSC-GLU005198

Entact Environmental Services, LLC

Client Sample ID: SB132 (29.5-30)

GC/MS Volatiles

Lot-Sample #...:	E6F260218-016	**Work Order #...:**	H782K1AA	**Matrix.....:**	SO
Date Sampled...:	06/24/06 16:40	**Date Received..:**	06/26/06 18:15	**MS Run #.....:**	
Prep Date.....:	06/27/06	**Analysis Date..:**	06/30/06		
Prep Batch #...:	6181281	**Analysis Time..:**	14:13		
Dilution Factor:	0.85				
% Moisture.....:	19	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	26	ug/kg	11
Benzene	ND	5.3	ug/kg	2.1
Bromobenzene	ND	5.3	ug/kg	2.1
Bromochloromethane	ND	5.3	ug/kg	1.1
Bromoform	ND	5.3	ug/kg	2.1
Bromomethane	ND	11	ug/kg	2.1
2-Butanone	ND	26	ug/kg	16
n-Butylbenzene	ND	5.3	ug/kg	2.1
sec-Butylbenzene	ND	5.3	ug/kg	2.1
tert-Butylbenzene	ND	5.3	ug/kg	2.1
Carbon disulfide	ND	5.3	ug/kg	2.1
Carbon tetrachloride	ND	5.3	ug/kg	1.1
Chlorobenzene	ND	5.3	ug/kg	2.1
Dibromochloromethane	ND	5.3	ug/kg	2.1
Bromodichloromethane	ND	5.3	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.1
Chloroform	ND	5.3	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.2
2-Chlorotoluene	ND	5.3	ug/kg	2.1
4-Chlorotoluene	ND	5.3	ug/kg	2.1
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.2
1,2-Dibromoethane (EDB)	ND	5.3	ug/kg	2.1
Dibromomethane	ND	5.3	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,3-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,4-Dichlorobenzene	ND	5.3	ug/kg	2.1
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.3	ug/kg	1.1
1,2-Dichloroethane	ND	5.3	ug/kg	1.1
1,1-Dichloroethene	**50**	**5.3**	**ug/kg**	**2.1**
cis-1,2-Dichloroethene	**4.4 J**	**5.3**	**ug/kg**	**2.1**
trans-1,2-Dichloroethene	ND	5.3	ug/kg	2.1
1,2-Dichloropropane	ND	5.3	ug/kg	1.1
1,3-Dichloropropane	ND	5.3	ug/kg	2.1
2,2-Dichloropropane	ND	5.3	ug/kg	2.1
1,1-Dichloropropene	ND	5.3	ug/kg	1.1

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NGSC-GLU005199

Entact Environmental Services, LLC

Client Sample ID: SB132 (29.5-30)

GC/MS Volatiles

Lot-Sample #...: E6F260218-016 **Work Order #...:** H782K1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.3	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.3	ug/kg	2.1
Ethylbenzene	ND	5.3	ug/kg	2.1
Hexachlorobutadiene	ND	5.3	ug/kg	2.1
2-Hexanone	ND	26	ug/kg	11
Isopropylbenzene	ND	5.3	ug/kg	2.1
p-Isopropyltoluene	ND	5.3	ug/kg	2.1
Methylene chloride	ND	5.3	ug/kg	2.1
4-Methyl-2-pentanone	ND	26	ug/kg	11
Methyl tert-butyl ether	ND	5.3	ug/kg	1.1
Naphthalene	ND	5.3	ug/kg	2.1
n-Propylbenzene	ND	5.3	ug/kg	2.1
Styrene	ND	11	ug/kg	2.1
1,1,1,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
1,1,2,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
Tetrachloroethene	**190**	**5.3**	**ug/kg**	**2.1**
Toluene	ND	5.3	ug/kg	2.1
1,2,3-Trichlorobenzene	ND	5.3	ug/kg	2.1
1,2,4-Trichlorobenzene	ND	5.3	ug/kg	2.1
1,1,1-Trichloroethane	ND	5.3	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.3	ug/kg	2.1
Trichloroethene	**62**	**5.3**	**ug/kg**	**2.1**
Trichlorofluoromethane	ND	11	ug/kg	2.1
1,2,3-Trichloropropane	ND	5.3	ug/kg	2.1
1,1,2-Trichlorotrifluoroethane	ND	5.3	ug/kg	2.1
1,2,4-Trimethylbenzene	ND	5.3	ug/kg	2.1
1,3,5-Trimethylbenzene	ND	5.3	ug/kg	2.1
Vinyl chloride	ND	11	ug/kg	2.1
m-Xylene & p-Xylene	ND	5.3	ug/kg	2.1
o-Xylene	ND	5.3	ug/kg	2.1
Xylenes (total)	ND	5.3	ug/kg	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	90	(60 - 125)
1,2-Dichloroethane-d4	93	(55 - 125)
Toluene-d8	90	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005200

Entact Environmental Services, LLC

Client Sample ID: SB132 (29.5-30)

General Chemistry

Lot-Sample #...: E6F260218-016 Work Order #...: H782K Matrix.....: SO
Date Sampled...: 06/24/06 16:40 Date Received..: 06/26/06 18:15
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	19.2	0.10	%	MCAWW 160.3 MOD	06/27-06/28/06	6178462

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0000643
Instrument ID..: W15 MS Run #.....: 6178323 MDL.....:

NGSC-GLU005201

Entact Environmental Services, LLC

Client Sample ID: SB132 (39.5-40)

GC/MS Volatiles

Lot-Sample #...:	E6F260218-017	**Work Order #...:**	H782M1AA	**Matrix.....:**	SO
Date Sampled...:	06/24/06 16:48	**Date Received..:**	06/26/06 18:15	**MS Run #.....:**	
Prep Date.....:	06/27/06	**Analysis Date..:**	06/30/06		
Prep Batch #...:	6181281	**Analysis Time..:**	11:27		
Dilution Factor:	0.89				
% Moisture.....:	11	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	10
Benzene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
Bromochloromethane	ND	5.0	ug/kg	1.0
Bromoform	ND	5.0	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
Carbon disulfide	ND	5.0	ug/kg	2.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Dibromochloromethane	ND	5.0	ug/kg	2.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
Chloroethane	ND	10	ug/kg	2.0
Chloroform	ND	5.0	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	2.0
Dibromomethane	ND	5.0	ug/kg	1.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
1,3-Dichloropropane	ND	5.0	ug/kg	2.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0

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Entact Environmental Services, LLC

Client Sample ID: SB132 (39.5-40)

GC/MS Volatiles

Lot-Sample #...: E6F260218-017 **Work Order #...:** H782M1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	2.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
Naphthalene	ND	5.0	ug/kg	2.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
Styrene	ND	10	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	2.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	2.0
Tetrachloroethene	**17**	**5.0**	**ug/kg**	**2.0**
Toluene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	2.0
Trichloroethene	**6.5**	**5.0**	**ug/kg**	**2.0**
Trichlorofluoromethane	ND	10	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	2.0
1,1,2-Trichlorotrifluoro-ethane	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
Vinyl chloride	ND	10	ug/kg	2.0
m-Xylene & p-Xylene	ND	5.0	ug/kg	2.0
o-Xylene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	89	(60 - 125)
1,2-Dichloroethane-d4	92	(55 - 125)
Toluene-d8	87	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005203

Entact Environmental Services, LLC

Client Sample ID: SB132 (39.5-40)

General Chemistry

Lot-Sample #...: E6F260218-017 Work Order #...: H782M Matrix.....: SO
Date Sampled...: 06/24/06 16:48 Date Received..: 06/26/06 18:15
% Moisture.....: 11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	10.9	0.10	%	MCAWW 160.3 MOD	06/27-06/28/06	6178462

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0000643
Instrument ID..: W15 MS Run #.....: 6178323 MDL.....:

NGSC-GLU005204

Entact Environmental Services, LLC

Client Sample ID: SB132 (49.5-50)

GC/MS Volatiles

Lot-Sample #...:	E6F260218-018	**Work Order #...:**	H782P1AA	**Matrix.....:**	SO
Date Sampled...:	06/24/06 17:07	**Date Received..:**	06/26/06 18:15	**MS Run #.....:**	
Prep Date.....:	06/27/06	**Analysis Date..:**	06/30/06		
Prep Batch #...:	6181281	**Analysis Time..:**	11:48		
Dilution Factor:	0.9				
% Moisture.....:	19	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	28	ug/kg	11
Benzene	ND	5.6	ug/kg	2.2
Bromobenzene	ND	5.6	ug/kg	2.2
Bromochloromethane	ND	5.6	ug/kg	1.1
Bromoform	ND	5.6	ug/kg	2.2
Bromomethane	ND	11	ug/kg	2.2
2-Butanone	ND	28	ug/kg	17
n-Butylbenzene	ND	5.6	ug/kg	2.2
sec-Butylbenzene	ND	5.6	ug/kg	2.2
tert-Butylbenzene	ND	5.6	ug/kg	2.2
Carbon disulfide	ND	5.6	ug/kg	2.2
Carbon tetrachloride	ND	5.6	ug/kg	1.1
Chlorobenzene	ND	5.6	ug/kg	2.2
Dibromochloromethane	ND	5.6	ug/kg	2.2
Bromodichloromethane	ND	5.6	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.2
Chloroform	ND	5.6	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.3
2-Chlorotoluene	ND	5.6	ug/kg	2.2
4-Chlorotoluene	ND	5.6	ug/kg	2.2
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.3
1,2-Dibromoethane (EDB)	ND	5.6	ug/kg	2.2
Dibromomethane	ND	5.6	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.6	ug/kg	2.2
1,3-Dichlorobenzene	ND	5.6	ug/kg	2.2
1,4-Dichlorobenzene	ND	5.6	ug/kg	2.2
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.6	ug/kg	1.1
1,2-Dichloroethane	ND	5.6	ug/kg	1.1
1,1-Dichloroethene	**41**	**5.6**	**ug/kg**	**2.2**
cis-1,2-Dichloroethene	**2.9 J**	**5.6**	**ug/kg**	**2.2**
trans-1,2-Dichloroethene	ND	5.6	ug/kg	2.2
1,2-Dichloropropane	ND	5.6	ug/kg	1.1
1,3-Dichloropropane	ND	5.6	ug/kg	2.2
2,2-Dichloropropane	ND	5.6	ug/kg	2.2
1,1-Dichloropropene	ND	5.6	ug/kg	1.1

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NGSC-GLU005205

Entact Environmental Services, LLC

Client Sample ID: SB132 (49.5-50)

GC/MS Volatiles

Lot-Sample #...: E6F260218-018 **Work Order #...:** H782P1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.6	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.6	ug/kg	2.2
Ethylbenzene	ND	5.6	ug/kg	2.2
Hexachlorobutadiene	ND	5.6	ug/kg	2.2
2-Hexanone	ND	28	ug/kg	11
Isopropylbenzene	ND	5.6	ug/kg	2.2
p-Isopropyltoluene	ND	5.6	ug/kg	2.2
Methylene chloride	ND	5.6	ug/kg	2.2
4-Methyl-2-pentanone	ND	28	ug/kg	11
Methyl tert-butyl ether	ND	5.6	ug/kg	1.1
Naphthalene	ND	5.6	ug/kg	2.2
n-Propylbenzene	ND	5.6	ug/kg	2.2
Styrene	ND	11	ug/kg	2.2
1,1,1,2-Tetrachloroethane	ND	5.6	ug/kg	2.2
1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg	2.2
Tetrachloroethene	**36**	**5.6**	**ug/kg**	**2.2**
Toluene	ND	5.6	ug/kg	2.2
1,2,3-Trichlorobenzene	ND	5.6	ug/kg	2.2
1,2,4-Trichlorobenzene	ND	5.6	ug/kg	2.2
1,1,1-Trichloroethane	ND	5.6	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.6	ug/kg	2.2
Trichloroethene	**62**	**5.6**	**ug/kg**	**2.2**
Trichlorofluoromethane	ND	11	ug/kg	2.2
1,2,3-Trichloropropane	ND	5.6	ug/kg	2.2
1,1,2-Trichlorotrifluoroethane	ND	5.6	ug/kg	2.2
1,2,4-Trimethylbenzene	ND	5.6	ug/kg	2.2
1,3,5-Trimethylbenzene	ND	5.6	ug/kg	2.2
Vinyl chloride	ND	11	ug/kg	2.2
m-Xylene & p-Xylene	ND	5.6	ug/kg	2.2
o-Xylene	ND	5.6	ug/kg	2.2
Xylenes (total)	ND	5.6	ug/kg	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	82	(60 - 125)
1,2-Dichloroethane-d4	86	(55 - 125)
Toluene-d8	81	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005206

Entact Environmental Services, LLC

Client Sample ID: SB132 (49.5-50)

General Chemistry

Lot-Sample #...: E6F260218-018 **Work Order #...:** H782P **Matrix.....:** SO
Date Sampled...: 06/24/06 17:07 **Date Received..:** 06/26/06 18:15
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**19.1**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/27-06/28/06**	**6178462**

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0000643
Instrument ID..: W15 MS Run #.....: 6178323 MDL..... ..:

NGSC-GLU005207

Entact Environmental Services, LLC

Client Sample ID: SB132 (59.5-60)

GC/MS Volatiles

Lot-Sample #...:	E6F260218-019	**Work Order #...:**	H782Q1AA	**Matrix.....:**	SO
Date Sampled...:	06/24/06 17:23	**Date Received..:**	06/26/06 18:15	**MS Run #.....:**	
Prep Date.....:	06/27/06	**Analysis Date..:**	06/30/06		
Prep Batch #...:	6181281	**Analysis Time..:**	12:09		
Dilution Factor:	0.91				
% Moisture.....:	24	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	30	ug/kg	12
Benzene	ND	5.9	ug/kg	2.4
Bromobenzene	ND	5.9	ug/kg	2.4
Bromochloromethane	ND	5.9	ug/kg	1.2
Bromoform	ND	5.9	ug/kg	2.4
Bromomethane	ND	12	ug/kg	2.4
2-Butanone	ND	30	ug/kg	18
n-Butylbenzene	ND	5.9	ug/kg	2.4
sec-Butylbenzene	ND	5.9	ug/kg	2.4
tert-Butylbenzene	ND	5.9	ug/kg	2.4
Carbon disulfide	ND	5.9	ug/kg	2.4
Carbon tetrachloride	ND	5.9	ug/kg	1.2
Chlorobenzene	ND	5.9	ug/kg	2.4
Dibromochloromethane	ND	5.9	ug/kg	2.4
Bromodichloromethane	ND	5.9	ug/kg	1.2
Chloroethane	ND	12	ug/kg	2.4
Chloroform	ND	5.9	ug/kg	1.2
Chloromethane	ND	12	ug/kg	3.6
2-Chlorotoluene	ND	5.9	ug/kg	2.4
4-Chlorotoluene	ND	5.9	ug/kg	2.4
1,2-Dibromo-3-chloro-propane	ND	12	ug/kg	3.6
1,2-Dibromoethane (EDB)	ND	5.9	ug/kg	2.4
Dibromomethane	ND	5.9	ug/kg	1.2
1,2-Dichlorobenzene	ND	5.9	ug/kg	2.4
1,3-Dichlorobenzene	ND	5.9	ug/kg	2.4
1,4-Dichlorobenzene	ND	5.9	ug/kg	2.4
Dichlorodifluoromethane	ND	12	ug/kg	1.2
1,1-Dichloroethane	ND	5.9	ug/kg	1.2
1,2-Dichloroethane	ND	5.9	ug/kg	1.2
1,1-Dichloroethene	**33**	**5.9**	**ug/kg**	**2.4**
cis-1,2-Dichloroethene	ND	5.9	ug/kg	2.4
trans-1,2-Dichloroethene	ND	5.9	ug/kg	2.4
1,2-Dichloropropane	ND	5.9	ug/kg	1.2
1,3-Dichloropropane	ND	5.9	ug/kg	2.4
2,2-Dichloropropane	ND	5.9	ug/kg	2.4
1,1-Dichloropropene	ND	5.9	ug/kg	1.2

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NGSC-GLU005208

Entact Environmental Services, LLC

Client Sample ID: SB132 (59.5-60)

GC/MS Volatiles

Lot-Sample #...: E6F260218-019 **Work Order #...:** H782Q1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.9	ug/kg	1.2
trans-1,3-Dichloropropene	ND	5.9	ug/kg	2.4
Ethylbenzene	ND	5.9	ug/kg	2.4
Hexachlorobutadiene	ND	5.9	ug/kg	2.4
2-Hexanone	ND	30	ug/kg	12
Isopropylbenzene	ND	5.9	ug/kg	2.4
p-Isopropyltoluene	ND	5.9	ug/kg	2.4
Methylene chloride	ND	5.9	ug/kg	2.4
4-Methyl-2-pentanone	ND	30	ug/kg	12
Methyl tert-butyl ether	ND	5.9	ug/kg	1.2
Naphthalene	ND	5.9	ug/kg	2.4
n-Propylbenzene	ND	5.9	ug/kg	2.4
Styrene	ND	12	ug/kg	2.4
1,1,1,2-Tetrachloroethane	ND	5.9	ug/kg	2.4
1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg	2.4
Tetrachloroethene	**19**	**5.9**	**ug/kg**	**2.4**
Toluene	ND	5.9	ug/kg	2.4
1,2,3-Trichlorobenzene	ND	5.9	ug/kg	2.4
1,2,4-Trichlorobenzene	ND	5.9	ug/kg	2.4
1,1,1-Trichloroethane	ND	5.9	ug/kg	1.2
1,1,2-Trichloroethane	ND	5.9	ug/kg	2.4
Trichloroethene	**53**	**5.9**	**ug/kg**	**2.4**
Trichlorofluoromethane	ND	12	ug/kg	2.4
1,2,3-Trichloropropane	ND	5.9	ug/kg	2.4
1,1,2-Trichlorotrifluoroethane	ND	5.9	ug/kg	2.4
1,2,4-Trimethylbenzene	ND	5.9	ug/kg	2.4
1,3,5-Trimethylbenzene	ND	5.9	ug/kg	2.4
Vinyl chloride	ND	12	ug/kg	2.4
m-Xylene & p-Xylene	ND	5.9	ug/kg	2.4
o-Xylene	ND	5.9	ug/kg	2.4
Xylenes (total)	ND	5.9	ug/kg	2.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	87	(60 - 125)
1,2-Dichloroethane-d4	86	(55 - 125)
Toluene-d8	87	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005209

Entact Environmental Services, LLC

Client Sample ID: SB132 (59.5-60)

General Chemistry

Lot-Sample #...: E6F260218-019 Work Order #...: H782Q Matrix.....: SO
Date Sampled...: 06/24/06 17:23 Date Received..: 06/26/06 18:15
% Moisture.....: 24

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	23.5	0.10	%	MCAWW 160.3 MOD	06/27-06/28/06	6178462

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0000643
Instrument ID..: W15 MS Run #.....: 6178323 MDL.....:

NGSC-GLU005210

Entact Environmental Services, LLC

Client Sample ID: SB132 (69.5-70)

GC/MS Volatiles

Lot-Sample #...:	E6F260218-020	**Work Order #...:**	H782T1AA	**Matrix.....:**	SO
Date Sampled...:	06/24/06 17:38	**Date Received..:**	06/26/06 18:15	**MS Run #.....:**	
Prep Date.....:	06/27/06	**Analysis Date..:**	06/30/06		
Prep Batch #...:	6181281	**Analysis Time..:**	12:30		
Dilution Factor:	0.84				
% Moisture.....:	20	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	26	ug/kg	11
Benzene	ND	5.3	ug/kg	2.1
Bromobenzene	ND	5.3	ug/kg	2.1
Bromochloromethane	ND	5.3	ug/kg	1.1
Bromoform	ND	5.3	ug/kg	2.1
Bromomethane	ND	11	ug/kg	2.1
2-Butanone	ND	26	ug/kg	16
n-Butylbenzene	ND	5.3	ug/kg	2.1
sec-Butylbenzene	ND	5.3	ug/kg	2.1
tert-Butylbenzene	ND	5.3	ug/kg	2.1
Carbon disulfide	ND	5.3	ug/kg	2.1
Carbon tetrachloride	ND	5.3	ug/kg	1.1
Chlorobenzene	ND	5.3	ug/kg	2.1
Dibromochloromethane	ND	5.3	ug/kg	2.1
Bromodichloromethane	ND	5.3	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.1
Chloroform	ND	5.3	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.2
2-Chlorotoluene	ND	5.3	ug/kg	2.1
4-Chlorotoluene	ND	5.3	ug/kg	2.1
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.2
1,2-Dibromoethane (EDB)	ND	5.3	ug/kg	2.1
Dibromomethane	ND	5.3	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,3-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,4-Dichlorobenzene	ND	5.3	ug/kg	2.1
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.3	ug/kg	1.1
1,2-Dichloroethane	ND	5.3	ug/kg	1.1
1,1-Dichloroethene	**32**	**5.3**	**ug/kg**	**2.1**
cis-1,2-Dichloroethene	ND	5.3	ug/kg	2.1
trans-1,2-Dichloroethene	ND	5.3	ug/kg	2.1
1,2-Dichloropropane	ND	5.3	ug/kg	1.1
1,3-Dichloropropane	ND	5.3	ug/kg	2.1
2,2-Dichloropropane	ND	5.3	ug/kg	2.1
1,1-Dichloropropene	ND	5.3	ug/kg	1.1

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NGSC-GLU005211

Entact Environmental Services, LLC

Client Sample ID: SB132 (69.5-70)

GC/MS Volatiles

Lot-Sample #...: E6F260218-020 **Work Order #...:** H782T1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.3	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.3	ug/kg	2.1
Ethylbenzene	ND	5.3	ug/kg	2.1
Hexachlorobutadiene	ND	5.3	ug/kg	2.1
2-Hexanone	ND	26	ug/kg	11
Isopropylbenzene	ND	5.3	ug/kg	2.1
p-Isopropyltoluene	ND	5.3	ug/kg	2.1
Methylene chloride	ND	5.3	ug/kg	2.1
4-Methyl-2-pentanone	ND	26	ug/kg	11
Methyl tert-butyl ether	ND	5.3	ug/kg	1.1
Naphthalene	ND	5.3	ug/kg	2.1
n-Propylbenzene	ND	5.3	ug/kg	2.1
Styrene	ND	11	ug/kg	2.1
1,1,1,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
1,1,2,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
Tetrachloroethene	**24**	**5.3**	**ug/kg**	**2.1**
Toluene	ND	5.3	ug/kg	2.1
1,2,3-Trichlorobenzene	ND	5.3	ug/kg	2.1
1,2,4-Trichloro-benzene	ND	5.3	ug/kg	2.1
1,1,1-Trichloroethane	ND	5.3	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.3	ug/kg	2.1
Trichloroethene	**24**	**5.3**	**ug/kg**	**2.1**
Trichlorofluoromethane	ND	11	ug/kg	2.1
1,2,3-Trichloropropane	ND	5.3	ug/kg	2.1
1,1,2-Trichlorotrifluoro-ethane	ND	5.3	ug/kg	2.1
1,2,4-Trimethylbenzene	ND	5.3	ug/kg	2.1
1,3,5-Trimethylbenzene	ND	5.3	ug/kg	2.1
Vinyl chloride	ND	11	ug/kg	2.1
m-Xylene & p-Xylene	ND	5.3	ug/kg	2.1
o-Xylene	ND	5.3	ug/kg	2.1
Xylenes (total)	ND	5.3	ug/kg	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	89	(60 - 125)
1,2-Dichloroethane-d4	92	(55 - 125)
Toluene-d8	89	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005212

Entact Environmental Services, LLC

Client Sample ID: SB132 (69.5-70)

General Chemistry

Lot-Sample #...: E6F260218-020 **Work Order #...:** H782T **Matrix.....:** SO
Date Sampled...: 06/24/06 17:38 **Date Received..:** 06/26/06 18:15
% Moisture.....: 20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**20.2**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/27-06/28/06**	**6178462**

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0000643
Instrument ID..: W15 MS Run #.....: 6178323 MDL.....:

NGSC-GLU005213

Entact Environmental Services, LLC

Client Sample ID: SB132 (79.5-80)

GC/MS Volatiles

Lot-Sample #...: E6F260218-021 **Work Order #...:** H78201AA **Matrix.....:** SO
Date Sampled...: 06/24/06 17:55 **Date Received..:** 06/26/06 18:15 **MS Run #.....:**
Prep Date.....: 06/27/06 **Analysis Date..:** 06/30/06
Prep Batch #...: 6181282 **Analysis Time..:** 12:50
Dilution Factor: 0.84
% Moisture.....: 17 **Analyst ID.....:** 004648 **Instrument ID..:** MSO
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	10
Benzene	ND	5.1	ug/kg	2.0
Bromobenzene	ND	5.1	ug/kg	2.0
Bromochloromethane	ND	5.1	ug/kg	1.0
Bromoform	ND	5.1	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	5.1	ug/kg	2.0
sec-Butylbenzene	ND	5.1	ug/kg	2.0
tert-Butylbenzene	ND	5.1	ug/kg	2.0
Carbon disulfide	ND	5.1	ug/kg	2.0
Carbon tetrachloride	ND	5.1	ug/kg	1.0
Chlorobenzene	ND	5.1	ug/kg	2.0
Dibromochloromethane	ND	5.1	ug/kg	2.0
Bromodichloromethane	ND	5.1	ug/kg	1.0
Chloroethane	ND	10	ug/kg	2.0
Chloroform	ND	5.1	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
2-Chlorotoluene	ND	5.1	ug/kg	2.0
4-Chlorotoluene	ND	5.1	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2-Dibromoethane (EDB)	ND	5.1	ug/kg	2.0
Dibromomethane	ND	5.1	ug/kg	1.0
1,2-Dichlorobenzene	ND	5.1	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.1	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.1	ug/kg	2.0
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.1	ug/kg	1.0
1,2-Dichloroethane	ND	5.1	ug/kg	1.0
1,1-Dichloroethene	**7.1**	**5.1**	**ug/kg**	**2.0**
cis-1,2-Dichloroethene	ND	5.1	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.1	ug/kg	2.0
1,2-Dichloropropane	ND	5.1	ug/kg	1.0
1,3-Dichloropropane	ND	5.1	ug/kg	2.0
2,2-Dichloropropane	ND	5.1	ug/kg	2.0
1,1-Dichloropropene	ND	5.1	ug/kg	1.0

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NGSC-GLU005214

Entact Environmental Services, LLC

Client Sample ID: SB132 (79.5-80)

GC/MS Volatiles

Lot-Sample #...: E6F260218-021 Work Order #...: H78201AA Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.1	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.1	ug/kg	2.0
Ethylbenzene	ND	5.1	ug/kg	2.0
Hexachlorobutadiene	ND	5.1	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Isopropylbenzene	ND	5.1	ug/kg	2.0
p-Isopropyltoluene	ND	5.1	ug/kg	2.0
Methylene chloride	ND	5.1	ug/kg	2.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Methyl tert-butyl ether	ND	5.1	ug/kg	1.0
Naphthalene	ND	5.1	ug/kg	2.0
n-Propylbenzene	ND	5.1	ug/kg	2.0
Styrene	ND	10	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.1	ug/kg	2.0
1,1,2,2-Tetrachloroethane	ND	5.1	ug/kg	2.0
Tetrachloroethene	**14**	**5.1**	**ug/kg**	**2.0**
Toluene	ND	5.1	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.1	ug/kg	2.0
1,2,4-Trichloro-benzene	ND	5.1	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.1	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.1	ug/kg	2.0
Trichloroethene	**5.3**	**5.1**	**ug/kg**	**2.0**
Trichlorofluoromethane	ND	10	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.1	ug/kg	2.0
1,1,2-Trichlorotrifluoro-ethane	ND	5.1	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.1	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.1	ug/kg	2.0
Vinyl chloride	ND	10	ug/kg	2.0
m-Xylene & p-Xylene	ND	5.1	ug/kg	2.0
o-Xylene	ND	5.1	ug/kg	2.0
Xylenes (total)	ND	5.1	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	90	(60 - 125)
1,2-Dichloroethane-d4	89	(55 - 125)
Toluene-d8	87	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005215

Entact Environmental Services, LLC

Client Sample ID: SB132 (79.5-80)

General Chemistry

Lot-Sample #...: E6F260218-021 Work Order #...: H7820 Matrix.....: SO
Date Sampled...: 06/24/06 17:55 Date Received..: 06/26/06 18:15
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	17.3	0.10	%	MCAWW 160.3 MOD	06/27-06/28/06	6178459
		Dilution Factor: 1		Analysis Time..: 13:50	Analyst ID.....: 0000643	
		Instrument ID..: W15		MS Run #.....: 6178322	MDL.....:	

NGSC-GLU005216

SEVERN TRENT STL

QA/QC

NGSC-GLU005217

QC DATA ASSOCIATION SUMMARY

E6F260218

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SO	SW846 8260B		6181281	
	SO	MCAWW 160.3 MOD		6178462	6178323
002	SO	SW846 8260B		6181281	
	SO	MCAWW 160.3 MOD		6178462	6178323
003	SO	SW846 8260B		6181281	
	SO	MCAWW 160.3 MOD		6178462	6178323
004	SO	SW846 8260B		6181281	
	SO	MCAWW 160.3 MOD		6178462	6178323
005	SO	SW846 8260B		6181281	
	SO	MCAWW 160.3 MOD		6178462	6178323
006	SO	SW846 8260B		6181281	
	SO	MCAWW 160.3 MOD		6178462	6178323
007	SO	SW846 8260B		6181281	
	SO	MCAWW 160.3 MOD		6178462	6178323
008	SO	SW846 8260B		6181281	
	SO	MCAWW 160.3 MOD		6178462	6178323
009	SO	SW846 8260B		6181281	
	SO	MCAWW 160.3 MOD		6178462	6178323
010	SO	SW846 8260B		6181281	
	SO	MCAWW 160.3 MOD		6178462	6178323
011	SO	SW846 8260B		6181281	
	SO	MCAWW 160.3 MOD		6178462	6178323
012	SO	SW846 8260B		6181281	
	SO	MCAWW 160.3 MOD		6178462	6178323
013	SO	SW846 8260B		6181281	
	SO	MCAWW 160.3 MOD		6178462	6178323
014	SO	SW846 8260B		6181281	
	SO	MCAWW 160.3 MOD		6178462	6178323

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NGSC-GLU005218

QC DATA ASSOCIATION SUMMARY

E6F260218

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
015	SO	SW846 8260B		6181281	
	SO	MCAWW 160.3 MOD		6178462	6178323
016	SO	SW846 8260B		6181281	
	SO	MCAWW 160.3 MOD		6178462	6178323
017	SO	SW846 8260B		6181281	
	SO	MCAWW 160.3 MOD		6178462	6178323
018	SO	SW846 8260B		6181281	
	SO	MCAWW 160.3 MOD		6178462	6178323
019	SO	SW846 8260B		6181281	
	SO	MCAWW 160.3 MOD		6178462	6178323
020	SO	SW846 8260B		6181281	
	SO	MCAWW 160.3 MOD		6178462	6178323
021	SO	SW846 8260B		6181282	
	SO	MCAWW 160.3 MOD		6178459	6178322

NGSC-GLU005219

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6F260218
MB Lot-Sample #: E6F300000-281

Work Order #...: H8JGP1AA

Matrix.....: SOLID

Prep Date.....: 06/27/06
Prep Batch #...: 6181281

Analysis Date..: 06/29/06
Dilution Factor: 1

Analysis Time..: 22:02
Instrument ID..: MSO

Analyst ID.....: 004648

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	25	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	SW846 8260B
Dibromomethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B

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NGSC-GLU005220

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6F260218 **Work Order #...:** H8JGP1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
Naphthalene	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	5.0	ug/kg	SW846 8260B
o-Xylene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	85	(60 - 125)
1,2-Dichloroethane-d4	83	(55 - 125)
Toluene-d8	87	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NGSC-GLU005221

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6F260218
MB Lot-Sample #: E6F300000-282

Work Order #...: H8JH31AA

Matrix.....: SOLID

Prep Date.....: 06/27/06

Analysis Time..: 08:34

Analysis Date..: 06/30/06

Prep Batch #...: 6181282

Instrument ID..: MSO

Dilution Factor: 1

Analyst ID.....: 004648

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	25	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	SW846 8260B
Dibromomethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B

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NGSC-GLU005222

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6F260218 **Work Order #...:** H8JH31AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
Naphthalene	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	5.0	ug/kg	SW846 8260B
o-Xylene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	87	(60 - 125)
1,2-Dichloroethane-d4	82	(55 - 125)
Toluene-d8	85	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NGSC-GLU005223

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6F260218
LCS Lot-Sample#: E6F300000-281
Prep Date.....: 06/27/06
Prep Batch #...: 6181281
Dilution Factor: 1
Analyst ID.....: 004648

Work Order #...: H8JGP1AC-LCS
H8JGP1AD-LCSD
Analysis Date..: 06/29/06
Analysis Time..: 21:21
Instrument ID..: MSO

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**89**	**(70 - 130)**			**SW846 8260B**
	93	**(70 - 130)**	**3.7**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**100**	**(70 - 130)**			**SW846 8260B**
	102	**(70 - 130)**	**1.6**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethene	**72**	**(50 - 160)**			**SW846 8260B**
	77	**(50 - 160)**	**7.6**	**(0-30)**	**SW846 8260B**
Toluene	**93**	**(70 - 130)**			**SW846 8260B**
	97	**(70 - 130)**	**4.3**	**(0-30)**	**SW846 8260B**
Trichloroethene	**97**	**(70 - 135)**			**SW846 8260B**
	98	**(70 - 135)**	**1.2**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	78	(60 - 125)
	85	(60 - 125)
1,2-Dichloroethane-d4	73	(55 - 125)
	78	(55 - 125)
Toluene-d8	79	(60 - 125)
	86	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU005224

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6F260218 **Work Order #...:** H8JGP1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: E6F300000-281 H8JGP1AD-LCSD
Prep Date.....: 06/27/06 **Analysis Date..:** 06/29/06
Prep Batch #...: 6181281 **Analysis Time..:** 21:21
Dilution Factor: 1 **Instrument ID..:** MSO
Analyst ID.....: 004648

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**50.0**	**44.7**	**ug/kg**	**89**		**SW846 8260B**
	50.0	**46.4**	**ug/kg**	**93**	**3.7**	**SW846 8260B**
Chlorobenzene	**50.0**	**50.1**	**ug/kg**	**100**		**SW846 8260B**
	50.0	**50.9**	**ug/kg**	**102**	**1.6**	**SW846 8260B**
1,1-Dichloroethene	**50.0**	**35.9**	**ug/kg**	**72**		**SW846 8260B**
	50.0	**38.7**	**ug/kg**	**77**	**7.6**	**SW846 8260B**
Toluene	**50.0**	**46.3**	**ug/kg**	**93**		**SW846 8260B**
	50.0	**48.3**	**ug/kg**	**97**	**4.3**	**SW846 8260B**
Trichloroethene	**50.0**	**48.4**	**ug/kg**	**97**		**SW846 8260B**
	50.0	**49.0**	**ug/kg**	**98**	**1.2**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	78	(60 - 125)
	85	(60 - 125)
1,2-Dichloroethane-d4	73	(55 - 125)
	78	(55 - 125)
Toluene-d8	79	(60 - 125)
	86	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU005225

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6F260218
LCS Lot-Sample#: E6F300000-282
Prep Date.....: 06/27/06
Prep Batch #...: 6181282
Dilution Factor: 1
Analyst ID.....: 004648

Work Order #...: H8JH31AC-LCS
H8JH31AD-LCSD
Analysis Date..: 06/30/06
Analysis Time..: 07:53
Instrument ID..: MSO

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**98**	**(70 - 130)**			**SW846 8260B**
Chlorobenzene	**93**	**(70 - 130)**	**5.2**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethene	**109**	**(70 - 130)**			**SW846 8260B**
Toluene	**102**	**(70 - 130)**	**6.4**	**(0-30)**	**SW846 8260B**
Trichloroethene	**86**	**(50 - 160)**			**SW846 8260B**
	73	**(50 - 160)**	**16**	**(0-30)**	**SW846 8260B**
	104	**(70 - 130)**			**SW846 8260B**
	97	**(70 - 130)**	**7.1**	**(0-30)**	**SW846 8260B**
	106	**(70 - 135)**			**SW846 8260B**
	99	**(70 - 135)**	**6.7**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	86	(60 - 125)
1,2-Dichloroethane-d4	83	(60 - 125)
Toluene-d8	78	(55 - 125)
	80	(55 - 125)
	87	(60 - 125)
	85	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
Bold print denotes control parameters

NGSC-GLU005226

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6F260218
LCS Lot-Sample#: E6F300000-282
Prep Date.....: 06/27/06
Prep Batch #...: 6181282
Dilution Factor: 1
Analyst ID.....: 004648

Work Order #...: H8JH31AC-LCS
H8JH31AD-LCSD
Analysis Date..: 06/30/06
Analysis Time..: 07:53
Instrument ID..: MSO

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**50.0**	**49.1**	**ug/kg**	**98**		**SW846 8260B**
	50.0	**46.6**	**ug/kg**	**93**	**5.2**	**SW846 8260B**
Chlorobenzene	**50.0**	**54.5**	**ug/kg**	**109**		**SW846 8260B**
	50.0	**51.1**	**ug/kg**	**102**	**6.4**	**SW846 8260B**
1,1-Dichloroethene	**50.0**	**43.0**	**ug/kg**	**86**		**SW846 8260B**
	50.0	**36.5**	**ug/kg**	**73**	**16**	**SW846 8260B**
Toluene	**50.0**	**52.1**	**ug/kg**	**104**		**SW846 8260B**
	50.0	**48.5**	**ug/kg**	**97**	**7.1**	**SW846 8260B**
Trichloroethene	**50.0**	**52.8**	**ug/kg**	**106**		**SW846 8260B**
	50.0	**49.4**	**ug/kg**	**99**	**6.7**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	86	(60 - 125)
	83	(60 - 125)
1,2-Dichloroethane-d4	78	(55 - 125)
	80	(55 - 125)
Toluene-d8	87	(60 - 125)
	85	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
Bold print denotes control parameters

NGSC-GLU005227

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: E6F260218 **Work Order #...:** H74PG-SMP H74PG-DUP **Matrix.....:** SOLID

Date Sampled...: 06/22/06 08:45 **Date Received..:** 06/23/06 08:00

% Moisture.....: 7.5

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	E6F230262-003	
	7.5	8.3	%	10	(0-10)	MCAWW 160.3 MOD	06/27-06/28/06	6178459

Dilution Factor: 1 Analysis Time..: 13:50 Analyst ID.....: 000064

Instrument ID..: W15 MS Run Number..: 6178322

NGSC-GLU005228

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: E6F260218 **Work Order #...:** H781V-SMP H781V-DUP **Matrix.....:** SO

Date Sampled...: 06/23/06 16:25 **Date Received..:** 06/26/06 18:15

% Moisture.....: 20

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	E6F260218-001	
	19.8	19.0	%	4.1	(0-10)	MCAWW 160.3 MOD	06/27-06/28/06	6178462

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 000064

Instrument ID..: W15 MS Run Number..: 6178323

NGSC-GLU005229

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

July 10, 2006

STL LOT NUMBER: **E6F270245**

Greg Rainwater
Entact Environmental Services,
3129 Bass Pro Drive
Grapevine, TX 76051

Dear Greg Rainwater,

This report contains the analytical results for the 20 samples received under chain of custody by Severn Trent Laboratories (STL) on June 27, 2006. These samples are associated with your Johnson Controls, Fullerton CA project.

STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP certification numbers for STL Los Angeles are 01118CA and E87652 FL.

Any matrix related anomaly is footnoted within the report. A cooler receipt temperature of 2 to 6 degrees Celsius is considered within acceptance criteria. Please refer to the Project Receipt Checklist for specific container temperature and conditions.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000088 pages

NGSC-GLU005230

CASE NARRATIVE

Historical control limits for the LCS are used to define the estimate of uncertainty for a method.

All applicable quality control procedures met method-specified acceptance criteria unless noted below.

If you have any questions, please feel free to call me at (714) 258-8610 extension 325.

Sincerely,

Linda Scharpenberg
Customer Service Manager

cc: Project File

NGSC-GLU005231

E6F270245

[redacted]

hain of ustody Record

.4124 (0901)

SEVERN TRENT **STL**®

Severn Trent Laboratories, Inc.

E6F270245

ent: ENTACT	Project Manager: GREG RAINWATER	Date: 6/27/06	Chain of Custody Number: 281506
dress: 3129 BASS PRO DRIVE	Telephone Number (Area Code)/Fax Number: 972/580-1323	Lab Number	Page 2 of 2
y: GRAPEVINE State: TX Zip Code: 76051	Site Contact: M. GARRIGAN	Lab Contact: T. SWART	
oject Name and Location (State): TCI - FULLERTON, CA	Carrier/Waybill Number		
ntract/Purchase Order/Quote No.: C1613			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOC (8260)	Special Instructions/ Conditions of Receipt
SB133 (9.5-10)	6/26/06	1520				X							X	
SB133 (19.5-20)		1535				X							X	
SB133 (29.5-30)		1555				X							X	
SB133 (39.5-40)		1605				X							X	
SB133 (49.5-50)		1620				X							X	
SB133 (59.5-60)		1635				X							X	
SB133 (69.5-70)		1650				X							X	
SB133 (79.5-80)		1715				X							X	

ssible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

n Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 5 days

QC Requirements (Specify)

Relinquished By	Date	Time	Received By	Date	Time
Michael L. Garrigan/ENTACT	6/27/06	0800	1. Vanessa Padilla	6/27/06	0940
Vanessa Padilla	6/27/06	1135	2. [illegible]	6/27/06	1135
Relinquished By	Date	Time	3. Received By	Date	Time

nments: Temp -

TRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

3

NGSC-GLU005232

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 6/27/06

Single Cooler Only

LIMS Lot #: E6F270245 Quote #: 68553

Client Name: Entact Project: JCI Fullerton, CA

Received by: SG Date/Time Received: 6/27/06 1135

Delivered by : ☐ Client ☒ STL ☐ DHL ☐ Fed Ex ☐ UPS ☐ Other

****

	Initial / Date
Custody Seal Status Cooler: ☐Intact ☐Broken ☒None	SG 6/27/06
Custody Seal Status Samples: ☐Intact ☐Broken ☒None	
Custody Seal #(s): N/A ☒No Seal #	
Sampler Signature on COC ☐ Yes ☐No ☒N/A	
IR Gun # A Correction Factor -.3 °C IR passed daily verification ☒ Yes ☐No	
Temperature - **BLANK** 5.4 °C - .3 CF = 5.1 °C **Cooler #1 ID** N/A	
Temperature – **COOLER** (°C °C °C °C) = avg °C - .3 CF = °C	
Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒N/A	

Sample Container(s): ☒STL-LA ☐ Client

pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒N/A

Anomalies: ☒No ☐Yes – complete CUR and Create NCM

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ Yes ☐ No

Labeled by: SG

****

Turn Around Time: ☐RUSH–24HR ☐RUSH–48HR ☐RUSH–72HR ☒NORMAL SG 6/27/06

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐YES ☒N/A SG 6/27/06

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

NGSC-GLU005233

LIMS Lot # E6F270245

PROJECT RECEIPT CHECKLIST Cont'd

Fraction	1-20													
VOAH														
2g(Gw)	1													
5gE	2													
25gE	1													

6/27/06

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore
AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☐YES ☒N/A 6/27/06

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☐ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- **CONTAINERS**
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
- **CUSTODY SEALS (COOLER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CONTAINER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other ☐ COC not received – notify PM
- **LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- ☐ Will be noted on COC—Client to send samples with new COC
- ☐ Mislabeled as to tests, preservatives, etc.
- ☐ Holding time expired – list sample ID and test
- ☐ Improper container used
- ☐ Not preserved/Improper preservative used
- ☐ Improper pH _____ Lab to preserve sample and document
- ☐ Insufficient quantities for analysis ☐ Other

Comments:

☐ Corrective Action Implemented:

☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____

☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: Logged in by other STL ☐ ____ **PM Review/Date:**

Albert Vargas 6-27-06 MVC 6/27/06

STL

Analytical Report

NGSC-GLU005235

ANALYTICAL REPORT

Johnson Controls, Fullerton CA

Lot #: E6F270245

Greg Rainwater

Entact Environmental Services,

SEVERN TRENT LABORATORIES, INC.

Diane Suzuki
Project Manager

July 10, 2006

NGSC-GLU005236

EXECUTIVE SUMMARY - Detection Highlights

E6F270245

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SB134 (4.5-5) 06/26/06 10:15 001				
Tetrachloroethene	47	6.1	ug/kg	SW846 8260B
Percent Moisture	22.6	0.10	%	MCAWW 160.3 MOD
SB134 (9.5-10) 06/26/06 10:25 002				
Tetrachloroethene	33	5.2	ug/kg	SW846 8260B
Percent Moisture	17.8	0.10	%	MCAWW 160.3 MOD
SB134 (19.5-20) 06/26/06 10:30 003				
Acetone	14 J	23	ug/kg	SW846 8260B
Tetrachloroethene	26	4.7	ug/kg	SW846 8260B
Percent Moisture	13.1	0.10	%	MCAWW 160.3 MOD
SB134D (19.5-20) 06/26/06 10:35 004				
Tetrachloroethene	20	4.7	ug/kg	SW846 8260B
Percent Moisture	12.7	0.10	%	MCAWW 160.3 MOD
SB134 (29.5-30) 06/26/06 10:58 005				
Acetone	18 J	26	ug/kg	SW846 8260B
1,1-Dichloroethene	6.5	5.1	ug/kg	SW846 8260B
Tetrachloroethene	79	5.1	ug/kg	SW846 8260B
Trichloroethene	2.5 J	5.1	ug/kg	SW846 8260B
Percent Moisture	16.3	0.10	%	MCAWW 160.3 MOD
SB134 (39.5-40) 06/26/06 11:15 006				
Acetone	20 J	26	ug/kg	SW846 8260B
1,1-Dichloroethene	15	5.2	ug/kg	SW846 8260B
Tetrachloroethene	150	5.2	ug/kg	SW846 8260B
Trichloroethene	7.5	5.2	ug/kg	SW846 8260B
Percent Moisture	18.8	0.10	%	MCAWW 160.3 MOD
SB134 (49.5-50) 06/26/06 11:27 007				
Acetone	17 J	27	ug/kg	SW846 8260B
1,1-Dichloroethene	3.1 J	5.5	ug/kg	SW846 8260B
Tetrachloroethene	12	5.5	ug/kg	SW846 8260B
Trichloroethene	8.7	5.5	ug/kg	SW846 8260B
Percent Moisture	7.5	0.10	%	MCAWW 160.3 MOD

(Continued on next page)

NGSC-GLU005237

EXECUTIVE SUMMARY - Detection Highlights

E6F270245

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SB134 (59.5-60) 06/26/06 12:05 008				
Acetone	17 J	28	ug/kg	SW846 8260B
Percent Moisture	2.7	0.10	%	MCAWW 160.3 MOD
SB134 (69.5-70) 06/26/06 12:30 009				
1,1-Dichloroethene	45	4.7	ug/kg	SW846 8260B
Tetrachloroethene	13	4.7	ug/kg	SW846 8260B
Trichloroethene	100	4.7	ug/kg	SW846 8260B
Percent Moisture	12.1	0.10	%	MCAWW 160.3 MOD
SB134 (79.5-80) 06/26/06 12:40 010				
Acetone	18 J	26	ug/kg	SW846 8260B
Percent Moisture	4.3	0.10	%	MCAWW 160.3 MOD
SB134D (79.5-80) 06/26/06 12:45 011				
Acetone	18 J	28	ug/kg	SW846 8260B
Percent Moisture	4.1	0.10	%	MCAWW 160.3 MOD
SB133 (4.5-5) 06/26/06 15:12 012				
cis-1,2-Dichloroethene	6.1	5.3	ug/kg	SW846 8260B
Tetrachloroethene	160	5.3	ug/kg	SW846 8260B
Trichloroethene	26	5.3	ug/kg	SW846 8260B
Percent Moisture	14.4	0.10	%	MCAWW 160.3 MOD
SB133 (9.5-10) 06/26/06 15:20 013				
Acetone	2200 B	1500	ug/kg	SW846 8260B
Tetrachloroethene	1500	300	ug/kg	SW846 8260B
Trichloroethene	130 J	300	ug/kg	SW846 8260B
Percent Moisture	25.7	0.10	%	MCAWW 160.3 MOD
SB133 (19.5-20) 06/26/06 15:35 014				
cis-1,2-Dichloroethene	8.4	5.9	ug/kg	SW846 8260B
Tetrachloroethene	110	5.9	ug/kg	SW846 8260B
Trichloroethene	13	5.9	ug/kg	SW846 8260B
Percent Moisture	11.3	0.10	%	MCAWW 160.3 MOD

(Continued on next page)

NGSC-GLU005238

EXECUTIVE SUMMARY - Detection Highlights

E6F270245

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SB133 (29.5-30) 06/26/06 15:55 015				
Acetone	1000 J,B	1400	ug/kg	SW846 8260B
Tetrachloroethene	660	270	ug/kg	SW846 8260B
Trichloroethene	77 J	270	ug/kg	SW846 8260B
Percent Moisture	17.4	0.10	%	MCAWW 160.3 MOD
SB133 (39.5-40) 06/26/06 16:05 016				
Acetone	23 J	29	ug/kg	SW846 8260B
1,1-Dichloroethene	20	5.7	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	4.5 J	5.7	ug/kg	SW846 8260B
Tetrachloroethene	130	5.7	ug/kg	SW846 8260B
Trichloroethene	39	5.7	ug/kg	SW846 8260B
Percent Moisture	12.1	0.10	%	MCAWW 160.3 MOD
SB133 (49.5-50) 06/26/06 16:20 017				
1,1-Dichloroethene	65	5.3	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	9.1	5.3	ug/kg	SW846 8260B
Tetrachloroethene	89	5.3	ug/kg	SW846 8260B
Trichloroethene	120	5.3	ug/kg	SW846 8260B
Percent Moisture	16.6	0.10	%	MCAWW 160.3 MOD
SB133 (59.5-60) 06/26/06 16:35 018				
Acetone	19 J	29	ug/kg	SW846 8260B
1,1-Dichloroethene	120	5.8	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	6.3	5.8	ug/kg	SW846 8260B
Tetrachloroethene	47	5.8	ug/kg	SW846 8260B
Trichloroethene	160	5.8	ug/kg	SW846 8260B
Percent Moisture	24.1	0.10	%	MCAWW 160.3 MOD
SB133 (69.5-70) 06/26/06 16:50 019				
1,1-Dichloroethene	23	5.1	ug/kg	SW846 8260B
Tetrachloroethene	12	5.1	ug/kg	SW846 8260B
Trichloroethene	13	5.1	ug/kg	SW846 8260B
Percent Moisture	16.6	0.10	%	MCAWW 160.3 MOD
SB133 (79.5-80) 06/26/06 17:15 020				
Acetone	16 J	25	ug/kg	SW846 8260B
Tetrachloroethene	3.6 J	5.1	ug/kg	SW846 8260B
Trichloroethene	2.7 J	5.1	ug/kg	SW846 8260B

(Continued on next page)

NGSC-GLU005239

EXECUTIVE SUMMARY - Detection Highlights

E6F270245

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SB133 (79.5-80) 06/26/06 17:15 020				
Percent Moisture	11.4	0.10	%	MCAWW 160.3 MOD

NGSC-GLU005240

METHODS SUMMARY

E6F270245

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5035

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

NGSC-GLU005241

SAMPLE SUMMARY

E6F270245

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H8AJN	001	SB134 (4.5-5)	06/26/06	10:15
H8AJ7	002	SB134 (9.5-10)	06/26/06	10:25
H8AKA	003	SB134 (19.5-20)	06/26/06	10:30
H8AKG	004	SB134D (19.5-20)	06/26/06	10:35
H8AKH	005	SB134 (29.5-30)	06/26/06	10:58
H8AKK	006	SB134 (39.5-40)	06/26/06	11:15
H8AKL	007	SB134 (49.5-50)	06/26/06	11:27
H8AKN	008	SB134 (59.5-60)	06/26/06	12:05
H8AKP	009	SB134 (69.5-70)	06/26/06	12:30
H8AKT	010	SB134 (79.5-80)	06/26/06	12:40
H8AKW	011	SB134D (79.5-80)	06/26/06	12:45
H8AKX	012	SB133 (4.5-5)	06/26/06	15:12
H8AK0	013	SB133 (9.5-10)	06/26/06	15:20
H8AK1	014	SB133 (19.5-20)	06/26/06	15:35
H8AK2	015	SB133 (29.5-30)	06/26/06	15:55
H8AK4	016	SB133 (39.5-40)	06/26/06	16:05
H8AK5	017	SB133 (49.5-50)	06/26/06	16:20
H8AK6	018	SB133 (59.5-60)	06/26/06	16:35
H8AK7	019	SB133 (69.5-70)	06/26/06	16:50
H8AK8	020	SB133 (79.5-80)	06/26/06	[illegible]:15

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

NGSC-GLU005242

Entact Environmental Services, LLC

Client Sample ID: SB134 (4.5-5)

GC/MS Volatiles

Lot-Sample #...:	E6F270245-001	**Work Order #...:**	H8AJN1AA	**Matrix.....:**	SO
Date Sampled...:	06/26/06 10:15	**Date Received..:**	06/27/06 11:35	**MS Run #.....:**	
Prep Date.....:	06/28/06	**Analysis Date..:**	06/30/06		
Prep Batch #...:	6183016	**Analysis Time..:**	14:55		
Dilution Factor:	0.95				
% Moisture.....:	23	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	31	ug/kg	12
Benzene	ND	6.1	ug/kg	2.5
Bromobenzene	ND	6.1	ug/kg	2.5
Bromochloromethane	ND	6.1	ug/kg	1.2
Bromoform	ND	6.1	ug/kg	2.5
Bromomethane	ND	12	ug/kg	2.5
2-Butanone	ND	31	ug/kg	18
n-Butylbenzene	ND	6.1	ug/kg	2.5
sec-Butylbenzene	ND	6.1	ug/kg	2.5
tert-Butylbenzene	ND	6.1	ug/kg	2.5
Carbon disulfide	ND	6.1	ug/kg	2.5
Carbon tetrachloride	ND	6.1	ug/kg	1.2
Chlorobenzene	ND	6.1	ug/kg	2.5
Dibromochloromethane	ND	6.1	ug/kg	2.5
Bromodichloromethane	ND	6.1	ug/kg	1.2
Chloroethane	ND	12	ug/kg	2.5
Chloroform	ND	6.1	ug/kg	1.2
Chloromethane	ND	12	ug/kg	3.7
2-Chlorotoluene	ND	6.1	ug/kg	2.5
4-Chlorotoluene	ND	6.1	ug/kg	2.5
1,2-Dibromo-3-chloro-propane	ND	12	ug/kg	3.7
1,2-Dibromoethane (EDB)	ND	6.1	ug/kg	2.5
Dibromomethane	ND	6.1	ug/kg	1.2
1,2-Dichlorobenzene	ND	6.1	ug/kg	2.5
1,3-Dichlorobenzene	ND	6.1	ug/kg	2.5
1,4-Dichlorobenzene	ND	6.1	ug/kg	2.5
Dichlorodifluoromethane	ND	12	ug/kg	1.2
1,1-Dichloroethane	ND	6.1	ug/kg	1.2
1,2-Dichloroethane	ND	6.1	ug/kg	1.2
1,1-Dichloroethene	ND	6.1	ug/kg	2.5
cis-1,2-Dichloroethene	ND	6.1	ug/kg	2.5
trans-1,2-Dichloroethene	ND	6.1	ug/kg	2.5
1,2-Dichloropropane	ND	6.1	ug/kg	1.2
1,3-Dichloropropane	ND	6.1	ug/kg	2.5
2,2-Dichloropropane	ND	6.1	ug/kg	2.5
1,1-Dichloropropene	ND	6.1	ug/kg	1.2

(Continued on next page)

NGSC-GLU005243

Entact Environmental Services, LLC

Client Sample ID: SB134 (4.5-5)

GC/MS Volatiles

Lot-Sample #...: E6F270245-001 **Work Order #...:** H8AJN1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	6.1	ug/kg	1.2
trans-1,3-Dichloropropene	ND	6.1	ug/kg	2.5
Ethylbenzene	ND	6.1	ug/kg	2.5
Hexachlorobutadiene	ND	6.1	ug/kg	2.5
2-Hexanone	ND	31	ug/kg	12
Isopropylbenzene	ND	6.1	ug/kg	2.5
p-Isopropyltoluene	ND	6.1	ug/kg	2.5
Methylene chloride	ND	6.1	ug/kg	2.5
4-Methyl-2-pentanone	ND	31	ug/kg	12
Methyl tert-butyl ether	ND	6.1	ug/kg	1.2
Naphthalene	ND	6.1	ug/kg	2.5
n-Propylbenzene	ND	6.1	ug/kg	2.5
Styrene	ND	12	ug/kg	2.5
1,1,1,2-Tetrachloroethane	ND	6.1	ug/kg	2.5
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg	2.5
Tetrachloroethene	**47**	**6.1**	**ug/kg**	**2.5**
Toluene	ND	6.1	ug/kg	2.5
1,2,3-Trichlorobenzene	ND	6.1	ug/kg	2.5
1,2,4-Trichloro-benzene	ND	6.1	ug/kg	2.5
1,1,1-Trichloroethane	ND	6.1	ug/kg	1.2
1,1,2-Trichloroethane	ND	6.1	ug/kg	2.5
Trichloroethene	ND	6.1	ug/kg	2.5
Trichlorofluoromethane	ND	12	ug/kg	2.5
1,2,3-Trichloropropane	ND	6.1	ug/kg	2.5
1,1,2-Trichlorotrifluoro-ethane	ND	6.1	ug/kg	2.5
1,2,4-Trimethylbenzene	ND	6.1	ug/kg	2.5
1,3,5-Trimethylbenzene	ND	6.1	ug/kg	2.5
Vinyl chloride	ND	12	ug/kg	2.5
m-Xylene & p-Xylene	ND	6.1	ug/kg	2.5
o-Xylene	ND	6.1	ug/kg	2.5
Xylenes (total)	ND	6.1	ug/kg	2.5

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	90	(60 - 125)
1,2-Dichloroethane-d4	89	(55 - 125)
Toluene-d8	86	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005244

Entact Environmental Services, LLC

Client Sample ID: SB134 (4.5-5)

General Chemistry

Lot-Sample #...: E6F270245-001 **Work Order #...:** H8AJN **Matrix.....:** SO
Date Sampled...: 06/26/06 10:15 **Date Received..:** 06/27/06 11:35
% Moisture.....: 23

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**22.6**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/28-06/29/06**	**6179564**

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 021088
Instrument ID..: W15 MS Run #.....: 6179309 MDL.....:

NGSC-GLU005245

Entact Environmental Services, LLC

Client Sample ID: SB134 (9.5-10)

GC/MS Volatiles

Lot-Sample #...:	E6F270245-002	Work Order #...:	H8AJ71AA	Matrix.....:	SO
Date Sampled...:	06/26/06 10:25	Date Received..:	06/27/06 11:35	MS Run #.....:	
Prep Date.....:	06/28/06	Analysis Date..:	06/30/06		
Prep Batch #...:	6183016	Analysis Time..:	15:16		
Dilution Factor:	0.86				
% Moisture.....:	18	Analyst ID.....:	004648	Instrument ID..:	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	26	ug/kg	10
Benzene	ND	5.2	ug/kg	2.1
Bromobenzene	ND	5.2	ug/kg	2.1
Bromochloromethane	ND	5.2	ug/kg	1.0
Bromoform	ND	5.2	ug/kg	2.1
Bromomethane	ND	10	ug/kg	2.1
2-Butanone	ND	26	ug/kg	16
n-Butylbenzene	ND	5.2	ug/kg	2.1
sec-Butylbenzene	ND	5.2	ug/kg	2.1
tert-Butylbenzene	ND	5.2	ug/kg	2.1
Carbon disulfide	ND	5.2	ug/kg	2.1
Carbon tetrachloride	ND	5.2	ug/kg	1.0
Chlorobenzene	ND	5.2	ug/kg	2.1
Dibromochloromethane	ND	5.2	ug/kg	2.1
Bromodichloromethane	ND	5.2	ug/kg	1.0
Chloroethane	ND	10	ug/kg	2.1
Chloroform	ND	5.2	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.1
2-Chlorotoluene	ND	5.2	ug/kg	2.1
4-Chlorotoluene	ND	5.2	ug/kg	2.1
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.1
1,2-Dibromoethane (EDB)	ND	5.2	ug/kg	2.1
Dibromomethane	ND	5.2	ug/kg	1.0
1,2-Dichlorobenzene	ND	5.2	ug/kg	2.1
1,3-Dichlorobenzene	ND	5.2	ug/kg	2.1
1,4-Dichlorobenzene	ND	5.2	ug/kg	2.1
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.2	ug/kg	1.0
1,2-Dichloroethane	ND	5.2	ug/kg	1.0
1,1-Dichloroethene	ND	5.2	ug/kg	2.1
cis-1,2-Dichloroethene	ND	5.2	ug/kg	2.1
trans-1,2-Dichloroethene	ND	5.2	ug/kg	2.1
1,2-Dichloropropane	ND	5.2	ug/kg	1.0
1,3-Dichloropropane	ND	5.2	ug/kg	2.1
2,2-Dichloropropane	ND	5.2	ug/kg	2.1
1,1-Dichloropropene	ND	5.2	ug/kg	1.0

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NGSC-GLU005246

Entact Environmental Services, LLC

Client Sample ID: SB134 (9.5-10)

GC/MS Volatiles

Lot-Sample #...: E6F270245-002 **Work Order #...:** H8AJ71AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.2	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.2	ug/kg	2.1
Ethylbenzene	ND	5.2	ug/kg	2.1
Hexachlorobutadiene	ND	5.2	ug/kg	2.1
2-Hexanone	ND	26	ug/kg	10
Isopropylbenzene	ND	5.2	ug/kg	2.1
p-Isopropyltoluene	ND	5.2	ug/kg	2.1
Methylene chloride	ND	5.2	ug/kg	2.1
4-Methyl-2-pentanone	ND	26	ug/kg	10
Methyl tert-butyl ether	ND	5.2	ug/kg	1.0
Naphthalene	ND	5.2	ug/kg	2.1
n-Propylbenzene	ND	5.2	ug/kg	2.1
Styrene	ND	10	ug/kg	2.1
1,1,1,2-Tetrachloroethane	ND	5.2	ug/kg	2.1
1,1,2,2-Tetrachloroethane	ND	5.2	ug/kg	2.1
Tetrachloroethene	**33**	**5.2**	**ug/kg**	**2.1**
Toluene	ND	5.2	ug/kg	2.1
1,2,3-Trichlorobenzene	ND	5.2	ug/kg	2.1
1,2,4-Trichlorobenzene	ND	5.2	ug/kg	2.1
1,1,1-Trichloroethane	ND	5.2	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.2	ug/kg	2.1
Trichloroethene	ND	5.2	ug/kg	2.1
Trichlorofluoromethane	ND	10	ug/kg	2.1
1,2,3-Trichloropropane	ND	5.2	ug/kg	2.1
1,1,2-Trichlorotrifluoroethane	ND	5.2	ug/kg	2.1
1,2,4-Trimethylbenzene	ND	5.2	ug/kg	2.1
1,3,5-Trimethylbenzene	ND	5.2	ug/kg	2.1
Vinyl chloride	ND	10	ug/kg	2.1
m-Xylene & p-Xylene	ND	5.2	ug/kg	2.1
o-Xylene	ND	5.2	ug/kg	2.1
Xylenes (total)	ND	5.2	ug/kg	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	91	(60 - 125)
1,2-Dichloroethane-d4	101	(55 - 125)
Toluene-d8	90	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005247

Entact Environmental Services, LLC

Client Sample ID: SB134 (9.5-10)

General Chemistry

Lot-Sample #...: E6F270245-002 **Work Order #...:** H8AJ7 **Matrix.....:** SO
Date Sampled...: 06/26/06 10:25 **Date Received..:** 06/27/06 11:35
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**17.8**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/28-06/29/06**	**6179564**
		Dilution Factor: 1		Analysis Time..: 14:00	Analyst ID.....: 0210889	
		Instrument ID..: W15		MS Run #.....: 6179309	MDL.....:	

NGSC-GLU005248

Entact Environmental Services, LLC

Client Sample ID: SB134 (19.5-20)

GC/MS Volatiles

Lot-Sample #...:	E6F270245-003	**Work Order #...:**	H8AKA1AA	**Matrix.....:**	SO
Date Sampled...:	06/26/06 10:30	**Date Received..:**	06/27/06 11:35	**MS Run #.....:**	
Prep Date.....:	06/28/06	**Analysis Date..:**	06/30/06		
Prep Batch #...:	6183016	**Analysis Time..:**	15:37		
Dilution Factor:	0.81				
% Moisture.....:	13	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**14 J**	**23**	**ug/kg**	**9.3**
Benzene	ND	4.7	ug/kg	1.9
Bromobenzene	ND	4.7	ug/kg	1.9
Bromochloromethane	ND	4.7	ug/kg	0.93
Bromoform	ND	4.7	ug/kg	1.9
Bromomethane	ND	9.3	ug/kg	1.9
2-Butanone	ND	23	ug/kg	14
n-Butylbenzene	ND	4.7	ug/kg	1.9
sec-Butylbenzene	ND	4.7	ug/kg	1.9
tert-Butylbenzene	ND	4.7	ug/kg	1.9
Carbon disulfide	ND	4.7	ug/kg	1.9
Carbon tetrachloride	ND	4.7	ug/kg	0.93
Chlorobenzene	ND	4.7	ug/kg	1.9
Dibromochloromethane	ND	4.7	ug/kg	1.9
Bromodichloromethane	ND	4.7	ug/kg	0.93
Chloroethane	ND	9.3	ug/kg	1.9
Chloroform	ND	4.7	ug/kg	0.93
Chloromethane	ND	9.3	ug/kg	2.8
2-Chlorotoluene	ND	4.7	ug/kg	1.9
4-Chlorotoluene	ND	4.7	ug/kg	1.9
1,2-Dibromo-3-chloro-propane	ND	9.3	ug/kg	2.8
1,2-Dibromoethane (EDB)	ND	4.7	ug/kg	1.9
Dibromomethane	ND	4.7	ug/kg	0.93
1,2-Dichlorobenzene	ND	4.7	ug/kg	1.9
1,3-Dichlorobenzene	ND	4.7	ug/kg	1.9
1,4-Dichlorobenzene	ND	4.7	ug/kg	1.9
Dichlorodifluoromethane	ND	9.3	ug/kg	0.93
1,1-Dichloroethane	ND	4.7	ug/kg	0.93
1,2-Dichloroethane	ND	4.7	ug/kg	0.93
1,1-Dichloroethene	ND	4.7	ug/kg	1.9
cis-1,2-Dichloroethene	ND	4.7	ug/kg	1.9
trans-1,2-Dichloroethene	ND	4.7	ug/kg	1.9
1,2-Dichloropropane	ND	4.7	ug/kg	0.93
1,3-Dichloropropane	ND	4.7	ug/kg	1.9
2,2-Dichloropropane	ND	4.7	ug/kg	1.9
1,1-Dichloropropene	ND	4.7	ug/kg	0.93

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NGSC-GLU005249

Entact Environmental Services, LLC

Client Sample ID: SB134 (19.5-20)

GC/MS Volatiles

Lot-Sample #...: E6F270245-003 **Work Order #...:** H8AKA1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	4.7	ug/kg	0.93
trans-1,3-Dichloropropene	ND	4.7	ug/kg	1.9
Ethylbenzene	ND	4.7	ug/kg	1.9
Hexachlorobutadiene	ND	4.7	ug/kg	1.9
2-Hexanone	ND	23	ug/kg	9.3
Isopropylbenzene	ND	4.7	ug/kg	1.9
p-Isopropyltoluene	ND	4.7	ug/kg	1.9
Methylene chloride	ND	4.7	ug/kg	1.9
4-Methyl-2-pentanone	ND	23	ug/kg	9.3
Methyl tert-butyl ether	ND	4.7	ug/kg	0.93
Naphthalene	ND	4.7	ug/kg	1.9
n-Propylbenzene	ND	4.7	ug/kg	1.9
Styrene	ND	9.3	ug/kg	1.9
1,1,1,2-Tetrachloroethane	ND	4.7	ug/kg	1.9
1,1,2,2-Tetrachloroethane	ND	4.7	ug/kg	1.9
Tetrachloroethene	**26**	**4.7**	**ug/kg**	**1.9**
Toluene	ND	4.7	ug/kg	1.9
1,2,3-Trichlorobenzene	ND	4.7	ug/kg	1.9
1,2,4-Trichloro-benzene	ND	4.7	ug/kg	1.9
1,1,1-Trichloroethane	ND	4.7	ug/kg	0.93
1,1,2-Trichloroethane	ND	4.7	ug/kg	1.9
Trichloroethene	ND	4.7	ug/kg	1.9
Trichlorofluoromethane	ND	9.3	ug/kg	1.9
1,2,3-Trichloropropane	ND	4.7	ug/kg	1.9
1,1,2-Trichlorotrifluoro-ethane	ND	4.7	ug/kg	1.9
1,2,4-Trimethylbenzene	ND	4.7	ug/kg	1.9
1,3,5-Trimethylbenzene	ND	4.7	ug/kg	1.9
Vinyl chloride	ND	9.3	ug/kg	1.9
m-Xylene & p-Xylene	ND	4.7	ug/kg	1.9
o-Xylene	ND	4.7	ug/kg	1.9
Xylenes (total)	ND	4.7	ug/kg	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	89	(60 - 125)
1,2-Dichloroethane-d4	91	(55 - 125)
Toluene-d8	88	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005250

Entact Environmental Services, LLC

Client Sample ID: SB134 (19.5-20)

General Chemistry

Lot-Sample #...: E6F270245-003 **Work Order #...:** H8AKA **Matrix.....:** SO
Date Sampled...: 06/26/06 10:30 **Date Received..:** 06/27/06 11:35
% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**13.1**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/28-06/29/06**	**6179564**

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0210889
Instrument ID..: W15 MS Run #.....: 6179309 MDL.....:

NGSC-GLU005251

Entact Environmental Services, LLC

Client Sample ID: SB134D (19.5-20)

GC/MS Volatiles

Lot-Sample #...: E6F270245-004 Work Order #...: H8AKG1AA Matrix.....: SO
Date Sampled...: 06/26/06 10:35 Date Received..: 06/27/06 11:35 MS Run #.....:
Prep Date.....: 06/28/06 Analysis Date..: 06/30/06
Prep Batch #...: 6183016 Analysis Time..: 15:57
Dilution Factor: 0.82
% Moisture.....: 13 Analyst ID.....: 004648 Instrument ID..: MSO
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	23	ug/kg	9.4
Benzene	ND	4.7	ug/kg	1.9
Bromobenzene	ND	4.7	ug/kg	1.9
Bromochloromethane	ND	4.7	ug/kg	0.94
Bromoform	ND	4.7	ug/kg	1.9
Bromomethane	ND	9.4	ug/kg	1.9
2-Butanone	ND	23	ug/kg	14
n-Butylbenzene	ND	4.7	ug/kg	1.9
sec-Butylbenzene	ND	4.7	ug/kg	1.9
tert-Butylbenzene	ND	4.7	ug/kg	1.9
Carbon disulfide	ND	4.7	ug/kg	1.9
Carbon tetrachloride	ND	4.7	ug/kg	0.94
Chlorobenzene	ND	4.7	ug/kg	1.9
Dibromochloromethane	ND	4.7	ug/kg	1.9
Bromodichloromethane	ND	4.7	ug/kg	0.94
Chloroethane	ND	9.4	ug/kg	1.9
Chloroform	ND	4.7	ug/kg	0.94
Chloromethane	ND	9.4	ug/kg	2.8
2-Chlorotoluene	ND	4.7	ug/kg	1.9
4-Chlorotoluene	ND	4.7	ug/kg	1.9
1,2-Dibromo-3-chloro-propane	ND	9.4	ug/kg	2.8
1,2-Dibromoethane (EDB)	ND	4.7	ug/kg	1.9
Dibromomethane	ND	4.7	ug/kg	0.94
1,2-Dichlorobenzene	ND	4.7	ug/kg	1.9
1,3-Dichlorobenzene	ND	4.7	ug/kg	1.9
1,4-Dichlorobenzene	ND	4.7	ug/kg	1.9
Dichlorodifluoromethane	ND	9.4	ug/kg	0.94
1,1-Dichloroethane	ND	4.7	ug/kg	0.94
1,2-Dichloroethane	ND	4.7	ug/kg	0.94
1,1-Dichloroethene	ND	4.7	ug/kg	1.9
cis-1,2-Dichloroethene	ND	4.7	ug/kg	1.9
trans-1,2-Dichloroethene	ND	4.7	ug/kg	1.9
1,2-Dichloropropane	ND	4.7	ug/kg	0.94
1,3-Dichloropropane	ND	4.7	ug/kg	1.9
2,2-Dichloropropane	ND	4.7	ug/kg	1.9
1,1-Dichloropropene	ND	4.7	ug/kg	0.94

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NGSC-GLU005252

Entact Environmental Services, LLC

Client Sample ID: SB134D (19.5-20)

GC/MS Volatiles

Lot-Sample #...: E6F270245-004 **Work Order #...:** H8AKG1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	4.7	ug/kg	0.94
trans-1,3-Dichloropropene	ND	4.7	ug/kg	1.9
Ethylbenzene	ND	4.7	ug/kg	1.9
Hexachlorobutadiene	ND	4.7	ug/kg	1.9
2-Hexanone	ND	23	ug/kg	9.4
Isopropylbenzene	ND	4.7	ug/kg	1.9
p-Isopropyltoluene	ND	4.7	ug/kg	1.9
Methylene chloride	ND	4.7	ug/kg	1.9
4-Methyl-2-pentanone	ND	23	ug/kg	9.4
Methyl tert-butyl ether	ND	4.7	ug/kg	0.94
Naphthalene	ND	4.7	ug/kg	1.9
n-Propylbenzene	ND	4.7	ug/kg	1.9
Styrene	ND	9.4	ug/kg	1.9
1,1,1,2-Tetrachloroethane	ND	4.7	ug/kg	1.9
1,1,2,2-Tetrachloroethane	ND	4.7	ug/kg	1.9
Tetrachloroethene	**20**	**4.7**	**ug/kg**	**1.9**
Toluene	ND	4.7	ug/kg	1.9
1,2,3-Trichlorobenzene	ND	4.7	ug/kg	1.9
1,2,4-Trichloro-benzene	ND	4.7	ug/kg	1.9
1,1,1-Trichloroethane	ND	4.7	ug/kg	0.94
1,1,2-Trichloroethane	ND	4.7	ug/kg	1.9
Trichloroethene	ND	4.7	ug/kg	1.9
Trichlorofluoromethane	ND	9.4	ug/kg	1.9
1,2,3-Trichloropropane	ND	4.7	ug/kg	1.9
1,1,2-Trichlorotrifluoro-ethane	ND	4.7	ug/kg	1.9
1,2,4-Trimethylbenzene	ND	4.7	ug/kg	1.9
1,3,5-Trimethylbenzene	ND	4.7	ug/kg	1.9
Vinyl chloride	ND	9.4	ug/kg	1.9
m-Xylene & p-Xylene	ND	4.7	ug/kg	1.9
o-Xylene	ND	4.7	ug/kg	1.9
Xylenes (total)	ND	4.7	ug/kg	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	88	(60 - 125)
1,2-Dichloroethane-d4	91	(55 - 125)
Toluene-d8	88	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005253

Entact Environmental Services, LLC

Client Sample ID: SB134D (19.5-20)

General Chemistry

Lot-Sample #...: E6F270245-004 Work Order #...: H8AKG Matrix.....: SO
Date Sampled...: 06/26/06 10:35 Date Received..: 06/27/06 11:35
% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	12.7	0.10	%	MCAWW 160.3 MOD	06/28-06/29/06	6179564

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0210889
Instrument ID..: W15 MS Run #.....: 6179309 MDL.....:

NGSC-GLU005254

Entact Environmental Services, LLC

Client Sample ID: SB134 (29.5-30)

GC/MS Volatiles

Lot-Sample #...:	E6F270245-005	**Work Order #...:**	H8AKH1AA	**Matrix.....:**	SO
Date Sampled...:	06/26/06 10:58	**Date Received..:**	06/27/06 11:35	**MS Run #.....:**	
Prep Date.....:	06/28/06	**Analysis Date..:**	06/30/06		
Prep Batch #...:	6183016	**Analysis Time..:**	16:18		
Dilution Factor:	0.86				
% Moisture.....:	16	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**18 J**	**26**	**ug/kg**	**10**
Benzene	ND	5.1	ug/kg	2.1
Bromobenzene	ND	5.1	ug/kg	2.1
Bromochloromethane	ND	5.1	ug/kg	1.0
Bromoform	ND	5.1	ug/kg	2.1
Bromomethane	ND	10	ug/kg	2.1
2-Butanone	ND	26	ug/kg	15
n-Butylbenzene	ND	5.1	ug/kg	2.1
sec-Butylbenzene	ND	5.1	ug/kg	2.1
tert-Butylbenzene	ND	5.1	ug/kg	2.1
Carbon disulfide	ND	5.1	ug/kg	2.1
Carbon tetrachloride	ND	5.1	ug/kg	1.0
Chlorobenzene	ND	5.1	ug/kg	2.1
Dibromochloromethane	ND	5.1	ug/kg	2.1
Bromodichloromethane	ND	5.1	ug/kg	1.0
Chloroethane	ND	10	ug/kg	2.1
Chloroform	ND	5.1	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.1
2-Chlorotoluene	ND	5.1	ug/kg	2.1
4-Chlorotoluene	ND	5.1	ug/kg	2.1
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.1
1,2-Dibromoethane (EDB)	ND	5.1	ug/kg	2.1
Dibromomethane	ND	5.1	ug/kg	1.0
1,2-Dichlorobenzene	ND	5.1	ug/kg	2.1
1,3-Dichlorobenzene	ND	5.1	ug/kg	2.1
1,4-Dichlorobenzene	ND	5.1	ug/kg	2.1
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.1	ug/kg	1.0
1,2-Dichloroethane	ND	5.1	ug/kg	1.0
1,1-Dichloroethene	**6.5**	**5.1**	**ug/kg**	**2.1**
cis-1,2-Dichloroethene	ND	5.1	ug/kg	2.1
trans-1,2-Dichloroethene	ND	5.1	ug/kg	2.1
1,2-Dichloropropane	ND	5.1	ug/kg	1.0
1,3-Dichloropropane	ND	5.1	ug/kg	2.1
2,2-Dichloropropane	ND	5.1	ug/kg	2.1
1,1-Dichloropropene	ND	5.1	ug/kg	1.0

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NGSC-GLU005255

Entact Environmental Services, LLC

Client Sample ID: SB134 (29.5-30)

GC/MS Volatiles

Lot-Sample #...: E6F270245-005 **Work Order #...:** H8AKH1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.1	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.1	ug/kg	2.1
Ethylbenzene	ND	5.1	ug/kg	2.1
Hexachlorobutadiene	ND	5.1	ug/kg	2.1
2-Hexanone	ND	26	ug/kg	10
Isopropylbenzene	ND	5.1	ug/kg	2.1
p-Isopropyltoluene	ND	5.1	ug/kg	2.1
Methylene chloride	ND	5.1	ug/kg	2.1
4-Methyl-2-pentanone	ND	26	ug/kg	10
Methyl tert-butyl ether	ND	5.1	ug/kg	1.0
Naphthalene	ND	5.1	ug/kg	2.1
n-Propylbenzene	ND	5.1	ug/kg	2.1
Styrene	ND	10	ug/kg	2.1
1,1,1,2-Tetrachloroethane	ND	5.1	ug/kg	2.1
1,1,2,2-Tetrachloroethane	ND	5.1	ug/kg	2.1
Tetrachloroethene	**79**	**5.1**	**ug/kg**	**2.1**
Toluene	ND	5.1	ug/kg	2.1
1,2,3-Trichlorobenzene	ND	5.1	ug/kg	2.1
1,2,4-Trichloro-benzene	ND	5.1	ug/kg	2.1
1,1,1-Trichloroethane	ND	5.1	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.1	ug/kg	2.1
Trichloroethene	**2.5 J**	**5.1**	**ug/kg**	**2.1**
Trichlorofluoromethane	ND	10	ug/kg	2.1
1,2,3-Trichloropropane	ND	5.1	ug/kg	2.1
1,1,2-Trichlorotrifluoro-ethane	ND	5.1	ug/kg	2.1
1,2,4-Trimethylbenzene	ND	5.1	ug/kg	2.1
1,3,5-Trimethylbenzene	ND	5.1	ug/kg	2.1
Vinyl chloride	ND	10	ug/kg	2.1
m-Xylene & p-Xylene	ND	5.1	ug/kg	2.1
o-Xylene	ND	5.1	ug/kg	2.1
Xylenes (total)	ND	5.1	ug/kg	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	89	(60 - 125)
1,2-Dichloroethane-d4	99	(55 - 125)
Toluene-d8	90	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005256

Entact Environmental Services, LLC

Client Sample ID: SB134 (29.5-30)

General Chemistry

Lot-Sample #...: E6F270245-005 **Work Order #...:** H8AKH **Matrix.....:** SO
Date Sampled...: 06/26/06 10:58 **Date Received..:** 06/27/06 11:35
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**16.3**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/28-06/29/06**	**6179564**

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0210889
Instrument ID..: W15 MS Run #.....: 6179309 MDL.....:

NGSC-GLU005257

Entact Environmental Services, LLC

Client Sample ID: SB134 (39.5-40)

GC/MS Volatiles

Lot-Sample #...:	E6F270245-006	**Work Order #...:**	H8AKK1AA	**Matrix.....:**	SO
Date Sampled...:	06/26/06 11:15	**Date Received..:**	06/27/06 11:35	**MS Run #.....:**	
Prep Date.....:	06/28/06	**Analysis Date..:**	06/30/06		
Prep Batch #...:	6183016	**Analysis Time..:**	16:39		
Dilution Factor:	0.85				
% Moisture.....:	19	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**20 J**	**26**	**ug/kg**	**10**
Benzene	ND	5.2	ug/kg	2.1
Bromobenzene	ND	5.2	ug/kg	2.1
Bromochloromethane	ND	5.2	ug/kg	1.0
Bromoform	ND	5.2	ug/kg	2.1
Bromomethane	ND	10	ug/kg	2.1
2-Butanone	ND	26	ug/kg	16
n-Butylbenzene	ND	5.2	ug/kg	2.1
sec-Butylbenzene	ND	5.2	ug/kg	2.1
tert-Butylbenzene	ND	5.2	ug/kg	2.1
Carbon disulfide	ND	5.2	ug/kg	2.1
Carbon tetrachloride	ND	5.2	ug/kg	1.0
Chlorobenzene	ND	5.2	ug/kg	2.1
Dibromochloromethane	ND	5.2	ug/kg	2.1
Bromodichloromethane	ND	5.2	ug/kg	1.0
Chloroethane	ND	10	ug/kg	2.1
Chloroform	ND	5.2	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.1
2-Chlorotoluene	ND	5.2	ug/kg	2.1
4-Chlorotoluene	ND	5.2	ug/kg	2.1
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.1
1,2-Dibromoethane (EDB)	ND	5.2	ug/kg	2.1
Dibromomethane	ND	5.2	ug/kg	1.0
1,2-Dichlorobenzene	ND	5.2	ug/kg	2.1
1,3-Dichlorobenzene	ND	5.2	ug/kg	2.1
1,4-Dichlorobenzene	ND	5.2	ug/kg	2.1
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.2	ug/kg	1.0
1,2-Dichloroethane	ND	5.2	ug/kg	1.0
1,1-Dichloroethene	**15**	**5.2**	**ug/kg**	**2.1**
cis-1,2-Dichloroethene	ND	5.2	ug/kg	2.1
trans-1,2-Dichloroethene	ND	5.2	ug/kg	2.1
1,2-Dichloropropane	ND	5.2	ug/kg	1.0
1,3-Dichloropropane	ND	5.2	ug/kg	2.1
2,2-Dichloropropane	ND	5.2	ug/kg	2.1
1,1-Dichloropropene	ND	5.2	ug/kg	1.0

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Entact Environmental Services, LLC

Client Sample ID: SB134 (39.5-40)

GC/MS Volatiles

Lot-Sample #...: E6F270245-006 **Work Order #...:** H8AKK1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.2	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.2	ug/kg	2.1
Ethylbenzene	ND	5.2	ug/kg	2.1
Hexachlorobutadiene	ND	5.2	ug/kg	2.1
2-Hexanone	ND	26	ug/kg	10
Isopropylbenzene	ND	5.2	ug/kg	2.1
p-Isopropyltoluene	ND	5.2	ug/kg	2.1
Methylene chloride	ND	5.2	ug/kg	2.1
4-Methyl-2-pentanone	ND	26	ug/kg	10
Methyl tert-butyl ether	ND	5.2	ug/kg	1.0
Naphthalene	ND	5.2	ug/kg	2.1
n-Propylbenzene	ND	5.2	ug/kg	2.1
Styrene	ND	10	ug/kg	2.1
1,1,1,2-Tetrachloroethane	ND	5.2	ug/kg	2.1
1,1,2,2-Tetrachloroethane	ND	5.2	ug/kg	2.1
Tetrachloroethene	**150**	**5.2**	**ug/kg**	**2.1**
Toluene	ND	5.2	ug/kg	2.1
1,2,3-Trichlorobenzene	ND	5.2	ug/kg	2.1
1,2,4-Trichlorobenzene	ND	5.2	ug/kg	2.1
1,1,1-Trichloroethane	ND	5.2	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.2	ug/kg	2.1
Trichloroethene	**7.5**	**5.2**	**ug/kg**	**2.1**
Trichlorofluoromethane	ND	10	ug/kg	2.1
1,2,3-Trichloropropane	ND	5.2	ug/kg	2.1
1,1,2-Trichlorotrifluoroethane	ND	5.2	ug/kg	2.1
1,2,4-Trimethylbenzene	ND	5.2	ug/kg	2.1
1,3,5-Trimethylbenzene	ND	5.2	ug/kg	2.1
Vinyl chloride	ND	10	ug/kg	2.1
m-Xylene & p-Xylene	ND	5.2	ug/kg	2.1
o-Xylene	ND	5.2	ug/kg	2.1
Xylenes (total)	ND	5.2	ug/kg	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	91	(60 - 125)
1,2-Dichloroethane-d4	91	(55 - 125)
Toluene-d8	88	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005259

Entact Environmental Services, LLC

Client Sample ID: SB134 (39.5-40)

General Chemistry

Lot-Sample #...: E6F270245-006 Work Order #...: H8AKK Matrix.....: SO
Date Sampled...: 06/26/06 11:15 Date Received..: 06/27/06 11:35
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	18.8	0.10	%	MCAWW 160.3 MOD	06/28-06/29/06	6179564

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0210889
Instrument ID..: W15 MS Run #.....: 6179309 MDL.....:

NGSC-GLU005260

Entact Environmental Services, LLC

Client Sample ID: SB134 (49.5-50)

GC/MS Volatiles

Lot-Sample #...:	E6F270245-007	**Work Order #...:**	H8AKL1AA	**Matrix.....:**	SO
Date Sampled...:	06/26/06 11:27	**Date Received..:**	06/27/06 11:35	**MS Run #.....:**	
Prep Date.....:	06/28/06	**Analysis Date..:**	06/30/06		
Prep Batch #...:	6183016	**Analysis Time..:**	17:00		
Dilution Factor:	1.01				
% Moisture.....:	7.5	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**17 J**	**27**	**ug/kg**	**11**
Benzene	ND	5.5	ug/kg	2.2
Bromobenzene	ND	5.5	ug/kg	2.2
Bromochloromethane	ND	5.5	ug/kg	1.1
Bromoform	ND	5.5	ug/kg	2.2
Bromomethane	ND	11	ug/kg	2.2
2-Butanone	ND	27	ug/kg	16
n-Butylbenzene	ND	5.5	ug/kg	2.2
sec-Butylbenzene	ND	5.5	ug/kg	2.2
tert-Butylbenzene	ND	5.5	ug/kg	2.2
Carbon disulfide	ND	5.5	ug/kg	2.2
Carbon tetrachloride	ND	5.5	ug/kg	1.1
Chlorobenzene	ND	5.5	ug/kg	2.2
Dibromochloromethane	ND	5.5	ug/kg	2.2
Bromodichloromethane	ND	5.5	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.2
Chloroform	ND	5.5	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.3
2-Chlorotoluene	ND	5.5	ug/kg	2.2
4-Chlorotoluene	ND	5.5	ug/kg	2.2
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.3
1,2-Dibromoethane (EDB)	ND	5.5	ug/kg	2.2
Dibromomethane	ND	5.5	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.5	ug/kg	2.2
1,3-Dichlorobenzene	ND	5.5	ug/kg	2.2
1,4-Dichlorobenzene	ND	5.5	ug/kg	2.2
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.5	ug/kg	1.1
1,2-Dichloroethane	ND	5.5	ug/kg	1.1
1,1-Dichloroethene	**3.1 J**	**5.5**	**ug/kg**	**2.2**
cis-1,2-Dichloroethene	ND	5.5	ug/kg	2.2
trans-1,2-Dichloroethene	ND	5.5	ug/kg	2.2
1,2-Dichloropropane	ND	5.5	ug/kg	1.1
1,3-Dichloropropane	ND	5.5	ug/kg	2.2
2,2-Dichloropropane	ND	5.5	ug/kg	2.2
1,1-Dichloropropene	ND	5.5	ug/kg	1.1

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NGSC-GLU005261

Entact Environmental Services, LLC

Client Sample ID: SB134 (49.5-50)

GC/MS Volatiles

Lot-Sample #...: E6F270245-007 **Work Order #...:** H8AKL1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.5	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.5	ug/kg	2.2
Ethylbenzene	ND	5.5	ug/kg	2.2
Hexachlorobutadiene	ND	5.5	ug/kg	2.2
2-Hexanone	ND	27	ug/kg	11
Isopropylbenzene	ND	5.5	ug/kg	2.2
p-Isopropyltoluene	ND	5.5	ug/kg	2.2
Methylene chloride	ND	5.5	ug/kg	2.2
4-Methyl-2-pentanone	ND	27	ug/kg	11
Methyl tert-butyl ether	ND	5.5	ug/kg	1.1
Naphthalene	ND	5.5	ug/kg	2.2
n-Propylbenzene	ND	5.5	ug/kg	2.2
Styrene	ND	11	ug/kg	2.2
1,1,1,2-Tetrachloroethane	ND	5.5	ug/kg	2.2
1,1,2,2-Tetrachloroethane	ND	5.5	ug/kg	2.2
Tetrachloroethene	**12**	**5.5**	**ug/kg**	**2.2**
Toluene	ND	5.5	ug/kg	2.2
1,2,3-Trichlorobenzene	ND	5.5	ug/kg	2.2
1,2,4-Trichloro-benzene	ND	5.5	ug/kg	2.2
1,1,1-Trichloroethane	ND	5.5	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.5	ug/kg	2.2
Trichloroethene	**8.7**	**5.5**	**ug/kg**	**2.2**
Trichlorofluoromethane	ND	11	ug/kg	2.2
1,2,3-Trichloropropane	ND	5.5	ug/kg	2.2
1,1,2-Trichlorotrifluoro-ethane	ND	5.5	ug/kg	2.2
1,2,4-Trimethylbenzene	ND	5.5	ug/kg	2.2
1,3,5-Trimethylbenzene	ND	5.5	ug/kg	2.2
Vinyl chloride	ND	11	ug/kg	2.2
m-Xylene & p-Xylene	ND	5.5	ug/kg	2.2
o-Xylene	ND	5.5	ug/kg	2.2
Xylenes (total)	ND	5.5	ug/kg	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	91	(60 - 125)
1,2-Dichloroethane-d4	93	(55 - 125)
Toluene-d8	88	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005262

Entact Environmental Services, LLC

Client Sample ID: SB134 (49.5-50)

General Chemistry

Lot-Sample #...: E6F270245-007 **Work Order #...:** H8AKL **Matrix.....:** SO
Date Sampled...: 06/26/06 11:27 **Date Received..:** 06/27/06 11:35
% Moisture.....: 7.5

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**7.5**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/28-06/29/06**	**6179564**

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0210889
Instrument ID..: W15 MS Run #.....: 6179309 MDL.....:

NGSC-GLU005263

Entact Environmental Services, LLC

Client Sample ID: SB134 (59.5-60)

GC/MS Volatiles

Lot-Sample #...:	E6F270245-008	**Work Order #...:**	H8AKN1AA	**Matrix.....:**	SO
Date Sampled...:	06/26/06 12:05	**Date Received..:**	06/27/06 11:35	**MS Run #.....:**	
Prep Date.....:	06/28/06	**Analysis Date..:**	06/30/06		
Prep Batch #...:	6183016	**Analysis Time..:**	17:21		
Dilution Factor:	1.09				
% Moisture.....:	2.7	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**17 J**	**28**	**ug/kg**	**11**
Benzene	ND	5.6	ug/kg	2.2
Bromobenzene	ND	5.6	ug/kg	2.2
Bromochloromethane	ND	5.6	ug/kg	1.1
Bromoform	ND	5.6	ug/kg	2.2
Bromomethane	ND	11	ug/kg	2.2
2-Butanone	ND	28	ug/kg	17
n-Butylbenzene	ND	5.6	ug/kg	2.2
sec-Butylbenzene	ND	5.6	ug/kg	2.2
tert-Butylbenzene	ND	5.6	ug/kg	2.2
Carbon disulfide	ND	5.6	ug/kg	2.2
Carbon tetrachloride	ND	5.6	ug/kg	1.1
Chlorobenzene	ND	5.6	ug/kg	2.2
Dibromochloromethane	ND	5.6	ug/kg	2.2
Bromodichloromethane	ND	5.6	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.2
Chloroform	ND	5.6	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.4
2-Chlorotoluene	ND	5.6	ug/kg	2.2
4-Chlorotoluene	ND	5.6	ug/kg	2.2
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.4
1,2-Dibromoethane (EDB)	ND	5.6	ug/kg	2.2
Dibromomethane	ND	5.6	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.6	ug/kg	2.2
1,3-Dichlorobenzene	ND	5.6	ug/kg	2.2
1,4-Dichlorobenzene	ND	5.6	ug/kg	2.2
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.6	ug/kg	1.1
1,2-Dichloroethane	ND	5.6	ug/kg	1.1
1,1-Dichloroethene	ND	5.6	ug/kg	2.2
cis-1,2-Dichloroethene	ND	5.6	ug/kg	2.2
trans-1,2-Dichloroethene	ND	5.6	ug/kg	2.2
1,2-Dichloropropane	ND	5.6	ug/kg	1.1
1,3-Dichloropropane	ND	5.6	ug/kg	2.2
2,2-Dichloropropane	ND	5.6	ug/kg	2.2
1,1-Dichloropropene	ND	5.6	ug/kg	1.1

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NGSC-GLU005264

Entact Environmental Services, LLC

Client Sample ID: SB134 (59.5-60)

GC/MS Volatiles

Lot-Sample #...: E6F270245-008 **Work Order #...:** H8AKN1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.6	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.6	ug/kg	2.2
Ethylbenzene	ND	5.6	ug/kg	2.2
Hexachlorobutadiene	ND	5.6	ug/kg	2.2
2-Hexanone	ND	28	ug/kg	11
Isopropylbenzene	ND	5.6	ug/kg	2.2
p-Isopropyltoluene	ND	5.6	ug/kg	2.2
Methylene chloride	ND	5.6	ug/kg	2.2
4-Methyl-2-pentanone	ND	28	ug/kg	11
Methyl tert-butyl ether	ND	5.6	ug/kg	1.1
Naphthalene	ND	5.6	ug/kg	2.2
n-Propylbenzene	ND	5.6	ug/kg	2.2
Styrene	ND	11	ug/kg	2.2
1,1,1,2-Tetrachloroethane	ND	5.6	ug/kg	2.2
1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg	2.2
Tetrachloroethene	ND	5.6	ug/kg	2.2
Toluene	ND	5.6	ug/kg	2.2
1,2,3-Trichlorobenzene	ND	5.6	ug/kg	2.2
1,2,4-Trichlorobenzene	ND	5.6	ug/kg	2.2
1,1,1-Trichloroethane	ND	5.6	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.6	ug/kg	2.2
Trichloroethene	ND	5.6	ug/kg	2.2
Trichlorofluoromethane	ND	11	ug/kg	2.2
1,2,3-Trichloropropane	ND	5.6	ug/kg	2.2
1,1,2-Trichlorotrifluoroethane	ND	5.6	ug/kg	2.2
1,2,4-Trimethylbenzene	ND	5.6	ug/kg	2.2
1,3,5-Trimethylbenzene	ND	5.6	ug/kg	2.2
Vinyl chloride	ND	11	ug/kg	2.2
m-Xylene & p-Xylene	ND	5.6	ug/kg	2.2
o-Xylene	ND	5.6	ug/kg	2.2
Xylenes (total)	ND	5.6	ug/kg	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	90	(60 - 125)
1,2-Dichloroethane-d4	94	(55 - 125)
Toluene-d8	87	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005265

Entact Environmental Services, LLC

Client Sample ID: SB134 (59.5-60)

General Chemistry

Lot-Sample #...: E6F270245-008 **Work Order #...:** H8AKN **Matrix.....:** SO
Date Sampled...: 06/26/06 12:05 **Date Received..:** 06/27/06 11:35
% Moisture.....: 2.7

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**2.7**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/28-06/29/06**	**6179564**
		Dilution Factor: 1		Analysis Time..: 14:00	Analyst ID.....: 0210889	
		Instrument ID..: W15		MS Run #.....: 6179309	MDL..... ..:	

NGSC-GLU005266

Entact Environmental Services, LLC

Client Sample ID: SB134 (69.5-70)

GC/MS Volatiles

Lot-Sample #...:	E6F270245-009	**Work Order #...:**	H8AKP1AA	**Matrix.....:**	SO
Date Sampled...:	06/26/06 12:30	**Date Received..:**	06/27/06 11:35	**MS Run #.....:**	
Prep Date.....:	06/28/06	**Analysis Date..:**	06/30/06		
Prep Batch #...:	6183016	**Analysis Time..:**	17:42		
Dilution Factor:	0.82				
% Moisture.....:	12	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	23	ug/kg	9.3
Benzene	ND	4.7	ug/kg	1.9
Bromobenzene	ND	4.7	ug/kg	1.9
Bromochloromethane	ND	4.7	ug/kg	0.93
Bromoform	ND	4.7	ug/kg	1.9
Bromomethane	ND	9.3	ug/kg	1.9
2-Butanone	ND	23	ug/kg	14
n-Butylbenzene	ND	4.7	ug/kg	1.9
sec-Butylbenzene	ND	4.7	ug/kg	1.9
tert-Butylbenzene	ND	4.7	ug/kg	1.9
Carbon disulfide	ND	4.7	ug/kg	1.9
Carbon tetrachloride	ND	4.7	ug/kg	0.93
Chlorobenzene	ND	4.7	ug/kg	1.9
Dibromochloromethane	ND	4.7	ug/kg	1.9
Bromodichloromethane	ND	4.7	ug/kg	0.93
Chloroethane	ND	9.3	ug/kg	1.9
Chloroform	ND	4.7	ug/kg	0.93
Chloromethane	ND	9.3	ug/kg	2.8
2-Chlorotoluene	ND	4.7	ug/kg	1.9
4-Chlorotoluene	ND	4.7	ug/kg	1.9
1,2-Dibromo-3-chloro-propane	ND	9.3	ug/kg	2.8
1,2-Dibromoethane (EDB)	ND	4.7	ug/kg	1.9
Dibromomethane	ND	4.7	ug/kg	0.93
1,2-Dichlorobenzene	ND	4.7	ug/kg	1.9
1,3-Dichlorobenzene	ND	4.7	ug/kg	1.9
1,4-Dichlorobenzene	ND	4.7	ug/kg	1.9
Dichlorodifluoromethane	ND	9.3	ug/kg	0.93
1,1-Dichloroethane	ND	4.7	ug/kg	0.93
1,2-Dichloroethane	ND	4.7	ug/kg	0.93
1,1-Dichloroethene	**45**	**4.7**	**ug/kg**	**1.9**
cis-1,2-Dichloroethene	ND	4.7	ug/kg	1.9
trans-1,2-Dichloroethene	ND	4.7	ug/kg	1.9
1,2-Dichloropropane	ND	4.7	ug/kg	0.93
1,3-Dichloropropane	ND	4.7	ug/kg	1.9
2,2-Dichloropropane	ND	4.7	ug/kg	1.9
1,1-Dichloropropene	ND	4.7	ug/kg	0.93

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NGSC-GLU005267

Entact Environmental Services, LLC

Client Sample ID: SB134 (69.5-70)

GC/MS Volatiles

Lot-Sample #...: E6F270245-009 **Work Order #...:** H8AKP1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	4.7	ug/kg	0.93
trans-1,3-Dichloropropene	ND	4.7	ug/kg	1.9
Ethylbenzene	ND	4.7	ug/kg	1.9
Hexachlorobutadiene	ND	4.7	ug/kg	1.9
2-Hexanone	ND	23	ug/kg	9.3
Isopropylbenzene	ND	4.7	ug/kg	1.9
p-Isopropyltoluene	ND	4.7	ug/kg	1.9
Methylene chloride	ND	4.7	ug/kg	1.9
4-Methyl-2-pentanone	ND	23	ug/kg	9.3
Methyl tert-butyl ether	ND	4.7	ug/kg	0.93
Naphthalene	ND	4.7	ug/kg	1.9
n-Propylbenzene	ND	4.7	ug/kg	1.9
Styrene	ND	9.3	ug/kg	1.9
1,1,1,2-Tetrachloroethane	ND	4.7	ug/kg	1.9
1,1,2,2-Tetrachloroethane	ND	4.7	ug/kg	1.9
Tetrachloroethene	**13**	**4.7**	**ug/kg**	**1.9**
Toluene	ND	4.7	ug/kg	1.9
1,2,3-Trichlorobenzene	ND	4.7	ug/kg	1.9
1,2,4-Trichloro-benzene	ND	4.7	ug/kg	1.9
1,1,1-Trichloroethane	ND	4.7	ug/kg	0.93
1,1,2-Trichloroethane	ND	4.7	ug/kg	1.9
Trichloroethene	**100**	**4.7**	**ug/kg**	**1.9**
Trichlorofluoromethane	ND	9.3	ug/kg	1.9
1,2,3-Trichloropropane	ND	4.7	ug/kg	1.9
1,1,2-Trichlorotrifluoro-ethane	ND	4.7	ug/kg	1.9
1,2,4-Trimethylbenzene	ND	4.7	ug/kg	1.9
1,3,5-Trimethylbenzene	ND	4.7	ug/kg	1.9
Vinyl chloride	ND	9.3	ug/kg	1.9
m-Xylene & p-Xylene	ND	4.7	ug/kg	1.9
o-Xylene	ND	4.7	ug/kg	1.9
Xylenes (total)	ND	4.7	ug/kg	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	89	(60 - 125)
1,2-Dichloroethane-d4	96	(55 - 125)
Toluene-d8	88	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005268

Entact Environmental Services, LLC

Client Sample ID: SB134 (69.5-70)

General Chemistry

Lot-Sample #...: E6F270245-009 Work Order #...: H8AKP Matrix.....: SO
Date Sampled...: 06/26/06 12:30 Date Received..: 06/27/06 11:35
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	12.1	0.10	%	MCAWW 160.3 MOD	06/28-06/29/06	6179564

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0210889
Instrument ID..: W15 MS Run #.....: 6179309 MDL.....:

NGSC-GLU005269

Entact Environmental Services, LLC

Client Sample ID: SB134 (79.5-80)

GC/MS Volatiles

Lot-Sample #...:	E6F270245-010	**Work Order #...:**	H8AKT1AA	**Matrix.....:**	SO
Date Sampled...:	06/26/06 12:40	**Date Received..:**	06/27/06 11:35	**MS Run #.....:**	
Prep Date.....:	06/28/06	**Analysis Date..:**	06/30/06		
Prep Batch #...:	6183016	**Analysis Time..:**	18:03		
Dilution Factor:	1				
% Moisture.....:	4.3	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**18 J**	**26**	**ug/kg**	**10**
Benzene	ND	5.2	ug/kg	2.1
Bromobenzene	ND	5.2	ug/kg	2.1
Bromochloromethane	ND	5.2	ug/kg	1.0
Bromoform	ND	5.2	ug/kg	2.1
Bromomethane	ND	10	ug/kg	2.1
2-Butanone	ND	26	ug/kg	16
n-Butylbenzene	ND	5.2	ug/kg	2.1
sec-Butylbenzene	ND	5.2	ug/kg	2.1
tert-Butylbenzene	ND	5.2	ug/kg	2.1
Carbon disulfide	ND	5.2	ug/kg	2.1
Carbon tetrachloride	ND	5.2	ug/kg	1.0
Chlorobenzene	ND	5.2	ug/kg	2.1
Dibromochloromethane	ND	5.2	ug/kg	2.1
Bromodichloromethane	ND	5.2	ug/kg	1.0
Chloroethane	ND	10	ug/kg	2.1
Chloroform	ND	5.2	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.1
2-Chlorotoluene	ND	5.2	ug/kg	2.1
4-Chlorotoluene	ND	5.2	ug/kg	2.1
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.1
1,2-Dibromoethane (EDB)	ND	5.2	ug/kg	2.1
Dibromomethane	ND	5.2	ug/kg	1.0
1,2-Dichlorobenzene	ND	5.2	ug/kg	2.1
1,3-Dichlorobenzene	ND	5.2	ug/kg	2.1
1,4-Dichlorobenzene	ND	5.2	ug/kg	2.1
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.2	ug/kg	1.0
1,2-Dichloroethane	ND	5.2	ug/kg	1.0
1,1-Dichloroethene	ND	5.2	ug/kg	2.1
cis-1,2-Dichloroethene	ND	5.2	ug/kg	2.1
trans-1,2-Dichloroethene	ND	5.2	ug/kg	2.1
1,2-Dichloropropane	ND	5.2	ug/kg	1.0
1,3-Dichloropropane	ND	5.2	ug/kg	2.1
2,2-Dichloropropane	ND	5.2	ug/kg	2.1
1,1-Dichloropropene	ND	5.2	ug/kg	1.0

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NGSC-GLU005270

Entact Environmental Services, LLC

Client Sample ID: SB134 (79.5-80)

GC/MS Volatiles

Lot-Sample #...: E6F270245-010 **Work Order #...:** H8AKT1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.2	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.2	ug/kg	2.1
Ethylbenzene	ND	5.2	ug/kg	2.1
Hexachlorobutadiene	ND	5.2	ug/kg	2.1
2-Hexanone	ND	26	ug/kg	10
Isopropylbenzene	ND	5.2	ug/kg	2.1
p-Isopropyltoluene	ND	5.2	ug/kg	2.1
Methylene chloride	ND	5.2	ug/kg	2.1
4-Methyl-2-pentanone	ND	26	ug/kg	10
Methyl tert-butyl ether	ND	5.2	ug/kg	1.0
Naphthalene	ND	5.2	ug/kg	2.1
n-Propylbenzene	ND	5.2	ug/kg	2.1
Styrene	ND	10	ug/kg	2.1
1,1,1,2-Tetrachloroethane	ND	5.2	ug/kg	2.1
1,1,2,2-Tetrachloroethane	ND	5.2	ug/kg	2.1
Tetrachloroethene	ND	5.2	ug/kg	2.1
Toluene	ND	5.2	ug/kg	2.1
1,2,3-Trichlorobenzene	ND	5.2	ug/kg	2.1
1,2,4-Trichlorobenzene	ND	5.2	ug/kg	2.1
1,1,1-Trichloroethane	ND	5.2	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.2	ug/kg	2.1
Trichloroethene	ND	5.2	ug/kg	2.1
Trichlorofluoromethane	ND	10	ug/kg	2.1
1,2,3-Trichloropropane	ND	5.2	ug/kg	2.1
1,1,2-Trichlorotrifluoroethane	ND	5.2	ug/kg	2.1
1,2,4-Trimethylbenzene	ND	5.2	ug/kg	2.1
1,3,5-Trimethylbenzene	ND	5.2	ug/kg	2.1
Vinyl chloride	ND	10	ug/kg	2.1
m-Xylene & p-Xylene	ND	5.2	ug/kg	2.1
o-Xylene	ND	5.2	ug/kg	2.1
Xylenes (total)	ND	5.2	ug/kg	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	88	(60 - 125)
1,2-Dichloroethane-d4	94	(55 - 125)
Toluene-d8	87	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005271

Entact Environmental Services, LLC

Client Sample ID: SB134 (79.5-80)

General Chemistry

Lot-Sample #...: E6F270245-010 **Work Order #...:** H8AKT **Matrix.....:** SO
Date Sampled...: 06/26/06 12:40 **Date Received..:** 06/27/06 11:35
% Moisture.....: 4.3

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**4.3**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/28-06/29/06**	**6179564**

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0210889
Instrument ID..: W15 MS Run #.....: 6179309 MDL.....:

NGSC-GLU005272

Entact Environmental Services, LLC

Client Sample ID: SB134D (79.5-80)

GC/MS Volatiles

Lot-Sample #...:	E6F270245-011	**Work Order #...:**	H8AKW1AA	**Matrix.....:**	SO
Date Sampled...:	06/26/06 12:45	**Date Received..:**	06/27/06 11:35	**MS Run #.....:**	
Prep Date.....:	06/28/06	**Analysis Date..:**	06/30/06		
Prep Batch #...:	6183016	**Analysis Time..:**	18:23		
Dilution Factor:	1.06				
% Moisture.....:	4.1	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**18 J**	**28**	**ug/kg**	**11**
Benzene	ND	5.5	ug/kg	2.2
Bromobenzene	ND	5.5	ug/kg	2.2
Bromochloromethane	ND	5.5	ug/kg	1.1
Bromoform	ND	5.5	ug/kg	2.2
Bromomethane	ND	11	ug/kg	2.2
2-Butanone	ND	28	ug/kg	17
n-Butylbenzene	ND	5.5	ug/kg	2.2
sec-Butylbenzene	ND	5.5	ug/kg	2.2
tert-Butylbenzene	ND	5.5	ug/kg	2.2
Carbon disulfide	ND	5.5	ug/kg	2.2
Carbon tetrachloride	ND	5.5	ug/kg	1.1
Chlorobenzene	ND	5.5	ug/kg	2.2
Dibromochloromethane	ND	5.5	ug/kg	2.2
Bromodichloromethane	ND	5.5	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.2
Chloroform	ND	5.5	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.3
2-Chlorotoluene	ND	5.5	ug/kg	2.2
4-Chlorotoluene	ND	5.5	ug/kg	2.2
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.3
1,2-Dibromoethane (EDB)	ND	5.5	ug/kg	2.2
Dibromomethane	ND	5.5	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.5	ug/kg	2.2
1,3-Dichlorobenzene	ND	5.5	ug/kg	2.2
1,4-Dichlorobenzene	ND	5.5	ug/kg	2.2
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.5	ug/kg	1.1
1,2-Dichloroethane	ND	5.5	ug/kg	1.1
1,1-Dichloroethene	ND	5.5	ug/kg	2.2
cis-1,2-Dichloroethene	ND	5.5	ug/kg	2.2
trans-1,2-Dichloroethene	ND	5.5	ug/kg	2.2
1,2-Dichloropropane	ND	5.5	ug/kg	1.1
1,3-Dichloropropane	ND	5.5	ug/kg	2.2
2,2-Dichloropropane	ND	5.5	ug/kg	2.2
1,1-Dichloropropene	ND	5.5	ug/kg	1.1

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NGSC-GLU005273

Entact Environmental Services, LLC

Client Sample ID: SB134D (79.5-80)

GC/MS Volatiles

Lot-Sample #...: E6F270245-011 **Work Order #...:** H8AKW1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.5	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.5	ug/kg	2.2
Ethylbenzene	ND	5.5	ug/kg	2.2
Hexachlorobutadiene	ND	5.5	ug/kg	2.2
2-Hexanone	ND	28	ug/kg	11
Isopropylbenzene	ND	5.5	ug/kg	2.2
p-Isopropyltoluene	ND	5.5	ug/kg	2.2
Methylene chloride	ND	5.5	ug/kg	2.2
4-Methyl-2-pentanone	ND	28	ug/kg	11
Methyl tert-butyl ether	ND	5.5	ug/kg	1.1
Naphthalene	ND	5.5	ug/kg	2.2
n-Propylbenzene	ND	5.5	ug/kg	2.2
Styrene	ND	11	ug/kg	2.2
1,1,1,2-Tetrachloroethane	ND	5.5	ug/kg	2.2
1,1,2,2-Tetrachloroethane	ND	5.5	ug/kg	2.2
Tetrachloroethene	ND	5.5	ug/kg	2.2
Toluene	ND	5.5	ug/kg	2.2
1,2,3-Trichlorobenzene	ND	5.5	ug/kg	2.2
1,2,4-Trichloro-benzene	ND	5.5	ug/kg	2.2
1,1,1-Trichloroethane	ND	5.5	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.5	ug/kg	2.2
Trichloroethene	ND	5.5	ug/kg	2.2
Trichlorofluoromethane	ND	11	ug/kg	2.2
1,2,3-Trichloropropane	ND	5.5	ug/kg	2.2
1,1,2-Trichlorotrifluoro-ethane	ND	5.5	ug/kg	2.2
1,2,4-Trimethylbenzene	ND	5.5	ug/kg	2.2
1,3,5-Trimethylbenzene	ND	5.5	ug/kg	2.2
Vinyl chloride	ND	11	ug/kg	2.2
m-Xylene & p-Xylene	ND	5.5	ug/kg	2.2
o-Xylene	ND	5.5	ug/kg	2.2
Xylenes (total)	ND	5.5	ug/kg	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	90	(60 - 125)
1,2-Dichloroethane-d4	93	(55 - 125)
Toluene-d8	87	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005274

Entact Environmental Services, LLC

Client Sample ID: SB134D (79.5-80)

General Chemistry

Lot-Sample #...: E6F270245-011 **Work Order #...:** H8AKW **Matrix.....:** SO
Date Sampled...: 06/26/06 12:45 **Date Received..:** 06/27/06 11:35
% Moisture.....: 4.1

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**4.1**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/28-06/29/06**	**6179564**

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0210889
Instrument ID..: W15 MS Run #.....: 6179309 MDL.....:

NGSC-GLU005275

Entact Environmental Services, LLC

Client Sample ID: SB133 (4.5-5)

GC/MS Volatiles

Lot-Sample #...:	E6F270245-012	**Work Order #...:**	H8AKX1AA	**Matrix.....:**	SO
Date Sampled...:	06/26/06 15:12	**Date Received..:**	06/27/06 11:35	**MS Run #.....:**	
Prep Date.....:	06/28/06	**Analysis Date..:**	07/02/06		
Prep Batch #...:	6183016	**Analysis Time..:**	11:09		
Dilution Factor:	0.9				
% Moisture.....:	14	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	26	ug/kg	11
Benzene	ND	5.3	ug/kg	2.1
Bromobenzene	ND	5.3	ug/kg	2.1
Bromochloromethane	ND	5.3	ug/kg	1.1
Bromoform	ND	5.3	ug/kg	2.1
Bromomethane	ND	11	ug/kg	2.1
2-Butanone	ND	26	ug/kg	16
n-Butylbenzene	ND	5.3	ug/kg	2.1
sec-Butylbenzene	ND	5.3	ug/kg	2.1
tert-Butylbenzene	ND	5.3	ug/kg	2.1
Carbon disulfide	ND	5.3	ug/kg	2.1
Carbon tetrachloride	ND	5.3	ug/kg	1.1
Chlorobenzene	ND	5.3	ug/kg	2.1
Dibromochloromethane	ND	5.3	ug/kg	2.1
Bromodichloromethane	ND	5.3	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.1
Chloroform	ND	5.3	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.2
2-Chlorotoluene	ND	5.3	ug/kg	2.1
4-Chlorotoluene	ND	5.3	ug/kg	2.1
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.2
1,2-Dibromoethane (EDB)	ND	5.3	ug/kg	2.1
Dibromomethane	ND	5.3	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,3-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,4-Dichlorobenzene	ND	5.3	ug/kg	2.1
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.3	ug/kg	1.1
1,2-Dichloroethane	ND	5.3	ug/kg	1.1
1,1-Dichloroethene	ND	5.3	ug/kg	2.1
cis-1,2-Dichloroethene	**6.1**	**5.3**	**ug/kg**	**2.1**
trans-1,2-Dichloroethene	ND	5.3	ug/kg	2.1
1,2-Dichloropropane	ND	5.3	ug/kg	1.1
1,3-Dichloropropane	ND	5.3	ug/kg	2.1
2,2-Dichloropropane	ND	5.3	ug/kg	2.1
1,1-Dichloropropene	ND	5.3	ug/kg	1.1

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Entact Environmental Services, LLC

Client Sample ID: SB133 (4.5-5)

GC/MS Volatiles

Lot-Sample #...: E6F270245-012 **Work Order #...:** H8AKX1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.3	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.3	ug/kg	2.1
Ethylbenzene	ND	5.3	ug/kg	2.1
Hexachlorobutadiene	ND	5.3	ug/kg	2.1
2-Hexanone	ND	26	ug/kg	11
Isopropylbenzene	ND	5.3	ug/kg	2.1
p-Isopropyltoluene	ND	5.3	ug/kg	2.1
Methylene chloride	ND	5.3	ug/kg	2.1
4-Methyl-2-pentanone	ND	26	ug/kg	11
Methyl tert-butyl ether	ND	5.3	ug/kg	1.1
Naphthalene	ND	5.3	ug/kg	2.1
n-Propylbenzene	ND	5.3	ug/kg	2.1
Styrene	ND	11	ug/kg	2.1
1,1,1,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
1,1,2,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
Tetrachloroethene	**160**	**5.3**	**ug/kg**	**2.1**
Toluene	ND	5.3	ug/kg	2.1
1,2,3-Trichlorobenzene	ND	5.3	ug/kg	2.1
1,2,4-Trichloro-benzene	ND	5.3	ug/kg	2.1
1,1,1-Trichloroethane	ND	5.3	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.3	ug/kg	2.1
Trichloroethene	**26**	**5.3**	**ug/kg**	**2.1**
Trichlorofluoromethane	ND	11	ug/kg	2.1
1,2,3-Trichloropropane	ND	5.3	ug/kg	2.1
1,1,2-Trichlorotrifluoro-ethane	ND	5.3	ug/kg	2.1
1,2,4-Trimethylbenzene	ND	5.3	ug/kg	2.1
1,3,5-Trimethylbenzene	ND	5.3	ug/kg	2.1
Vinyl chloride	ND	11	ug/kg	2.1
m-Xylene & p-Xylene	ND	5.3	ug/kg	2.1
o-Xylene	ND	5.3	ug/kg	2.1
Xylenes (total)	ND	5.3	ug/kg	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	89	(60 - 125)
1,2-Dichloroethane-d4	94	(55 - 125)
Toluene-d8	87	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005277

Entact Environmental Services, LLC

Client Sample ID: SB133 (4.5-5)

General Chemistry

Lot-Sample #...: E6F270245-012 **Work Order #...:** H8AKX **Matrix.....:** SO
Date Sampled...: 06/26/06 15:12 **Date Received..:** 06/27/06 11:35
% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**14.4**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/28-06/29/06**	**6179564**

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0210889
Instrument ID..: W15 MS Run #.....: 6179309 MDL.....:

NGSC-GLU005278

Entact Environmental Services, LLC

Client Sample ID: SB133 (9.5-10)

GC/MS Volatiles

Lot-Sample #...:	E6F270245-013	**Work Order #...:**	H8AK01AA	**Matrix.....:**	SO
Date Sampled...:	06/26/06 15:20	**Date Received..:**	06/27/06 11:35	**MS Run #.....:**	
Prep Date.....:	06/28/06	**Analysis Date..:**	07/05/06		
Prep Batch #...:	6187427	**Analysis Time..:**	16:25		
Dilution Factor:	0.88				
% Moisture.....:	26	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**2200 B**	**1500**	**ug/kg**	**470**
Benzene	ND	300	ug/kg	120
Bromobenzene	ND	300	ug/kg	83
Bromochloromethane	ND	300	ug/kg	89
Bromoform	ND	300	ug/kg	120
Bromomethane	ND	590	ug/kg	300
2-Butanone	ND	1500	ug/kg	590
n-Butylbenzene	ND	300	ug/kg	83
sec-Butylbenzene	ND	300	ug/kg	83
tert-Butylbenzene	ND	300	ug/kg	83
Carbon disulfide	ND	300	ug/kg	120
Carbon tetrachloride	ND	300	ug/kg	71
Chlorobenzene	ND	300	ug/kg	120
Dibromochloromethane	ND	300	ug/kg	120
Bromodichloromethane	ND	300	ug/kg	120
Chloroethane	ND	590	ug/kg	300
Chloroform	ND	300	ug/kg	83
Chloromethane	ND	590	ug/kg	240
2-Chlorotoluene	ND	300	ug/kg	83
4-Chlorotoluene	ND	300	ug/kg	83
1,2-Dibromo-3-chloro-propane	ND	590	ug/kg	180
1,2-Dibromoethane (EDB)	ND	300	ug/kg	83
Dibromomethane	ND	300	ug/kg	130
1,2-Dichlorobenzene	ND	300	ug/kg	120
1,3-Dichlorobenzene	ND	300	ug/kg	83
1,4-Dichlorobenzene	ND	300	ug/kg	120
Dichlorodifluoromethane	ND	590	ug/kg	200
1,1-Dichloroethane	ND	300	ug/kg	120
1,2-Dichloroethane	ND	300	ug/kg	83
1,1-Dichloroethene	ND	300	ug/kg	140
cis-1,2-Dichloroethene	ND	300	ug/kg	120
trans-1,2-Dichloroethene	ND	300	ug/kg	140
1,2-Dichloropropane	ND	300	ug/kg	120
1,3-Dichloropropane	ND	300	ug/kg	120
2,2-Dichloropropane	ND	300	ug/kg	71
1,1-Dichloropropene	ND	300	ug/kg	120

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NGSC-GLU005279

Entact Environmental Services, LLC

Client Sample ID: SB133 (9.5-10)

GC/MS Volatiles

Lot-Sample #...: E6F270245-013 **Work Order #...:** H8AK01AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	300	ug/kg	120
trans-1,3-Dichloropropene	ND	300	ug/kg	83
Ethylbenzene	ND	300	ug/kg	83
Hexachlorobutadiene	ND	300	ug/kg	83
2-Hexanone	ND	1500	ug/kg	360
Isopropylbenzene	ND	300	ug/kg	140
p-Isopropyltoluene	ND	300	ug/kg	83
Methylene chloride	ND	300	ug/kg	59
4-Methyl-2-pentanone	ND	1500	ug/kg	470
Methyl tert-butyl ether	ND	300	ug/kg	120
Naphthalene	ND	300	ug/kg	120
n-Propylbenzene	ND	300	ug/kg	130
Styrene	ND	590	ug/kg	120
1,1,1,2-Tetrachloroethane	ND	300	ug/kg	59
1,1,2,2-Tetrachloroethane	ND	300	ug/kg	120
Tetrachloroethene	**1500**	**300**	**ug/kg**	**95**
Toluene	ND	300	ug/kg	71
1,2,3-Trichlorobenzene	ND	300	ug/kg	83
1,2,4-Trichloro-benzene	ND	300	ug/kg	83
1,1,1-Trichloroethane	ND	300	ug/kg	83
1,1,2-Trichloroethane	ND	300	ug/kg	120
Trichloroethene	**130 J**	**300**	**ug/kg**	**71**
Trichlorofluoromethane	ND	590	ug/kg	83
1,2,3-Trichloropropane	ND	300	ug/kg	130
1,1,2-Trichlorotrifluoro-ethane	ND	300	ug/kg	120
1,2,4-Trimethylbenzene	ND	300	ug/kg	83
1,3,5-Trimethylbenzene	ND	300	ug/kg	140
Vinyl chloride	ND	590	ug/kg	180
m-Xylene & p-Xylene	ND	300	ug/kg	200
o-Xylene	ND	300	ug/kg	120
Xylenes (total)	ND	300	ug/kg	200

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	85	(65 - 130)
1,2-Dichloroethane-d4	92	(65 - 130)
Toluene-d8	89	(65 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

J Estimated result. Result is less than RL.

NGSC-GLU005280

Entact Environmental Services, LLC

Client Sample ID: SB133 (9.5-10)

General Chemistry

Lot-Sample #...: E6F270245-013 Work Order #...: H8AK0 Matrix.....: SO
Date Sampled...: 06/26/06 15:20 Date Received..: 06/27/06 11:35
% Moisture.....: 26

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	25.7	0.10	%	MCAWW 160.3 MOD	06/28-06/29/06	6179564

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0210889
Instrument ID..: W15 MS Run #.....: 6179309 MDL.....:

NGSC-GLU005281

Entact Environmental Services, LLC

Client Sample ID: SB133 (19.5-20)

GC/MS Volatiles

Lot-Sample #...:	E6F270245-014	**Work Order #...:**	H8AK11AA	**Matrix.....:**	SO
Date Sampled...:	06/26/06 15:35	**Date Received..:**	06/27/06 11:35	**MS Run #.....:**	
Prep Date.....:	06/28/06	**Analysis Date..:**	07/02/06		
Prep Batch #...:	6183016	**Analysis Time..:**	11:30		
Dilution Factor:	1.04				
% Moisture.....:	11	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	29	ug/kg	12
Benzene	ND	5.9	ug/kg	2.3
Bromobenzene	ND	5.9	ug/kg	2.3
Bromochloromethane	ND	5.9	ug/kg	1.2
Bromoform	ND	5.9	ug/kg	2.3
Bromomethane	ND	12	ug/kg	2.3
2-Butanone	ND	29	ug/kg	18
n-Butylbenzene	ND	5.9	ug/kg	2.3
sec-Butylbenzene	ND	5.9	ug/kg	2.3
tert-Butylbenzene	ND	5.9	ug/kg	2.3
Carbon disulfide	ND	5.9	ug/kg	2.3
Carbon tetrachloride	ND	5.9	ug/kg	1.2
Chlorobenzene	ND	5.9	ug/kg	2.3
Dibromochloromethane	ND	5.9	ug/kg	2.3
Bromodichloromethane	ND	5.9	ug/kg	1.2
Chloroethane	ND	12	ug/kg	2.3
Chloroform	ND	5.9	ug/kg	1.2
Chloromethane	ND	12	ug/kg	3.5
2-Chlorotoluene	ND	5.9	ug/kg	2.3
4-Chlorotoluene	ND	5.9	ug/kg	2.3
1,2-Dibromo-3-chloro-propane	ND	12	ug/kg	3.5
1,2-Dibromoethane (EDB)	ND	5.9	ug/kg	2.3
Dibromomethane	ND	5.9	ug/kg	1.2
1,2-Dichlorobenzene	ND	5.9	ug/kg	2.3
1,3-Dichlorobenzene	ND	5.9	ug/kg	2.3
1,4-Dichlorobenzene	ND	5.9	ug/kg	2.3
Dichlorodifluoromethane	ND	12	ug/kg	1.2
1,1-Dichloroethane	ND	5.9	ug/kg	1.2
1,2-Dichloroethane	ND	5.9	ug/kg	1.2
1,1-Dichloroethene	ND	5.9	ug/kg	2.3
cis-1,2-Dichloroethene	**8.4**	**5.9**	**ug/kg**	**2.3**
trans-1,2-Dichloroethene	ND	5.9	ug/kg	2.3
1,2-Dichloropropane	ND	5.9	ug/kg	1.2
1,3-Dichloropropane	ND	5.9	ug/kg	2.3
2,2-Dichloropropane	ND	5.9	ug/kg	2.3
1,1-Dichloropropene	ND	5.9	ug/kg	1.2

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NGSC-GLU005282

Entact Environmental Services, LLC

Client Sample ID: SB133 (19.5-20)

GC/MS Volatiles

Lot-Sample #...: E6F270245-014 **Work Order #...:** H8AK11AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.9	ug/kg	1.2
trans-1,3-Dichloropropene	ND	5.9	ug/kg	2.3
Ethylbenzene	ND	5.9	ug/kg	2.3
Hexachlorobutadiene	ND	5.9	ug/kg	2.3
2-Hexanone	ND	29	ug/kg	12
Isopropylbenzene	ND	5.9	ug/kg	2.3
p-Isopropyltoluene	ND	5.9	ug/kg	2.3
Methylene chloride	ND	5.9	ug/kg	2.3
4-Methyl-2-pentanone	ND	29	ug/kg	12
Methyl tert-butyl ether	ND	5.9	ug/kg	1.2
Naphthalene	ND	5.9	ug/kg	2.3
n-Propylbenzene	ND	5.9	ug/kg	2.3
Styrene	ND	12	ug/kg	2.3
1,1,1,2-Tetrachloroethane	ND	5.9	ug/kg	2.3
1,1,2,2-Tetrachloroethane	ND	5.9	ug/kg	2.3
Tetrachloroethene	**110**	**5.9**	**ug/kg**	**2.3**
Toluene	ND	5.9	ug/kg	2.3
1,2,3-Trichlorobenzene	ND	5.9	ug/kg	2.3
1,2,4-Trichlorobenzene	ND	5.9	ug/kg	2.3
1,1,1-Trichloroethane	ND	5.9	ug/kg	1.2
1,1,2-Trichloroethane	ND	5.9	ug/kg	2.3
Trichloroethene	**13**	**5.9**	**ug/kg**	**2.3**
Trichlorofluoromethane	ND	12	ug/kg	2.3
1,2,3-Trichloropropane	ND	5.9	ug/kg	2.3
1,1,2-Trichlorotrifluoroethane	ND	5.9	ug/kg	2.3
1,2,4-Trimethylbenzene	ND	5.9	ug/kg	2.3
1,3,5-Trimethylbenzene	ND	5.9	ug/kg	2.3
Vinyl chloride	ND	12	ug/kg	2.3
m-Xylene & p-Xylene	ND	5.9	ug/kg	2.3
o-Xylene	ND	5.9	ug/kg	2.3
Xylenes (total)	ND	5.9	ug/kg	2.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	91	(60 - 125)
1,2-Dichloroethane-d4	89	(55 - 125)
Toluene-d8	89	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005283

Entact Environmental Services, LLC

Client Sample ID: SB133 (19.5-20)

General Chemistry

Lot-Sample #...: E6F270245-014 **Work Order #...:** H8AK1 **Matrix.....:** SO
Date Sampled...: 06/26/06 15:35 **Date Received..:** 06/27/06 11:35
% Moisture.....: 11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**11.3**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/28-06/29/06**	**6179564**

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0210889
Instrument ID..: W15 MS Run #.....: 6179309 MDL.....:

NGSC-GLU005284

Entact Environmental Services, LLC

Client Sample ID: SB133 (29.5-30)

GC/MS Volatiles

Lot-Sample #...:	E6F270245-015	**Work Order #...:**	H8AK21AA	**Matrix.....:**	SO
Date Sampled...:	06/26/06 15:55	**Date Received..:**	06/27/06 11:35	**MS Run #.....:**	
Prep Date.....:	06/28/06	**Analysis Date..:**	07/05/06		
Prep Batch #...:	6187427	**Analysis Time..:**	16:49		
Dilution Factor:	0.9				
% Moisture.....:	17	**Analyst ID.....:**	999998	**Instrument ID..:**	MSP
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**1000 J,B**	**1400**	**ug/kg**	**440**
Benzene	ND	270	ug/kg	110
Bromobenzene	ND	270	ug/kg	76
Bromochloromethane	ND	270	ug/kg	82
Bromoform	ND	270	ug/kg	110
Bromomethane	ND	540	ug/kg	270
2-Butanone	ND	1400	ug/kg	540
n-Butylbenzene	ND	270	ug/kg	76
sec-Butylbenzene	ND	270	ug/kg	76
tert-Butylbenzene	ND	270	ug/kg	76
Carbon disulfide	ND	270	ug/kg	110
Carbon tetrachloride	ND	270	ug/kg	65
Chlorobenzene	ND	270	ug/kg	110
Dibromochloromethane	ND	270	ug/kg	110
Bromodichloromethane	ND	270	ug/kg	110
Chloroethane	ND	540	ug/kg	270
Chloroform	ND	270	ug/kg	76
Chloromethane	ND	540	ug/kg	220
2-Chlorotoluene	ND	270	ug/kg	76
4-Chlorotoluene	ND	270	ug/kg	76
1,2-Dibromo-3-chloro-propane	ND	540	ug/kg	160
1,2-Dibromoethane (EDB)	ND	270	ug/kg	76
Dibromomethane	ND	270	ug/kg	120
1,2-Dichlorobenzene	ND	270	ug/kg	110
1,3-Dichlorobenzene	ND	270	ug/kg	76
1,4-Dichlorobenzene	ND	270	ug/kg	110
Dichlorodifluoromethane	ND	540	ug/kg	190
1,1-Dichloroethane	ND	270	ug/kg	110
1,2-Dichloroethane	ND	270	ug/kg	76
1,1-Dichloroethene	ND	270	ug/kg	130
cis-1,2-Dichloroethene	ND	270	ug/kg	110
trans-1,2-Dichloroethene	ND	270	ug/kg	130
1,2-Dichloropropane	ND	270	ug/kg	110
1,3-Dichloropropane	ND	270	ug/kg	110
2,2-Dichloropropane	ND	270	ug/kg	65
1,1-Dichloropropene	ND	270	ug/kg	110

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NGSC-GLU005285

Entact Environmental Services, LLC

Client Sample ID: SB133 (29.5-30)

GC/MS Volatiles

Lot-Sample #...: E6F270245-015 **Work Order #...:** H8AK21AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	270	ug/kg	110
trans-1,3-Dichloropropene	ND	270	ug/kg	76
Ethylbenzene	ND	270	ug/kg	76
Hexachlorobutadiene	ND	270	ug/kg	76
2-Hexanone	ND	1400	ug/kg	330
Isopropylbenzene	ND	270	ug/kg	130
p-Isopropyltoluene	ND	270	ug/kg	76
Methylene chloride	ND	270	ug/kg	54
4-Methyl-2-pentanone	ND	1400	ug/kg	440
Methyl tert-butyl ether	ND	270	ug/kg	110
Naphthalene	ND	270	ug/kg	110
n-Propylbenzene	ND	270	ug/kg	120
Styrene	ND	540	ug/kg	110
1,1,1,2-Tetrachloroethane	ND	270	ug/kg	54
1,1,2,2-Tetrachloroethane	ND	270	ug/kg	110
Tetrachloroethene	**660**	**270**	**ug/kg**	**87**
Toluene	ND	270	ug/kg	65
1,2,3-Trichlorobenzene	ND	270	ug/kg	76
1,2,4-Trichloro-benzene	ND	270	ug/kg	76
1,1,1-Trichloroethane	ND	270	ug/kg	76
1,1,2-Trichloroethane	ND	270	ug/kg	110
Trichloroethene	**77 J**	**270**	**ug/kg**	**65**
Trichlorofluoromethane	ND	540	ug/kg	76
1,2,3-Trichloropropane	ND	270	ug/kg	120
1,1,2-Trichlorotrifluoro-ethane	ND	270	ug/kg	110
1,2,4-Trimethylbenzene	ND	270	ug/kg	76
1,3,5-Trimethylbenzene	ND	270	ug/kg	130
Vinyl chloride	ND	540	ug/kg	160
m-Xylene & p-Xylene	ND	270	ug/kg	190
o-Xylene	ND	270	ug/kg	110
Xylenes (total)	ND	270	ug/kg	190

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	79	(65 - 130)
1,2-Dichloroethane-d4	96	(65 - 130)
Toluene-d8	85	(65 - 130)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

NGSC-GLU005286

Entact Environmental Services, LLC

Client Sample ID: SB133 (29.5-30)

General Chemistry

Lot-Sample #...: E6F270245-015 Work Order #...: H8AK2 Matrix.....: SO
Date Sampled...: 06/26/06 15:55 Date Received..: 06/27/06 11:35
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	17.4	0.10	%	MCAWW 160.3 MOD	06/28-06/29/06	6179564

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 0210889
Instrument ID..: W15 MS Run #.....: 6179309 MDL.....:

NGSC-GLU005287

Entact Environmental Services, LLC

Client Sample ID: SB133 (39.5-40)

GC/MS Volatiles

Lot-Sample #...:	E6F270245-016	**Work Order #...:**	H8AK41AA	**Matrix.....:**	SO
Date Sampled...:	06/26/06 16:05	**Date Received..:**	06/27/06 11:35	**MS Run #.....:**	
Prep Date.....:	06/28/06	**Analysis Date..:**	07/02/06		
Prep Batch #...:	6183016	**Analysis Time..:**	12:12		
Dilution Factor:	1.01				
% Moisture.....:	12	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**23 J**	**29**	**ug/kg**	**11**
Benzene	ND	5.7	ug/kg	2.3
Bromobenzene	ND	5.7	ug/kg	2.3
Bromochloromethane	ND	5.7	ug/kg	1.1
Bromoform	ND	5.7	ug/kg	2.3
Bromomethane	ND	11	ug/kg	2.3
2-Butanone	ND	29	ug/kg	17
n-Butylbenzene	ND	5.7	ug/kg	2.3
sec-Butylbenzene	ND	5.7	ug/kg	2.3
tert-Butylbenzene	ND	5.7	ug/kg	2.3
Carbon disulfide	ND	5.7	ug/kg	2.3
Carbon tetrachloride	ND	5.7	ug/kg	1.1
Chlorobenzene	ND	5.7	ug/kg	2.3
Dibromochloromethane	ND	5.7	ug/kg	2.3
Bromodichloromethane	ND	5.7	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.3
Chloroform	ND	5.7	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.4
2-Chlorotoluene	ND	5.7	ug/kg	2.3
4-Chlorotoluene	ND	5.7	ug/kg	2.3
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.4
1,2-Dibromoethane (EDB)	ND	5.7	ug/kg	2.3
Dibromomethane	ND	5.7	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.7	ug/kg	2.3
1,3-Dichlorobenzene	ND	5.7	ug/kg	2.3
1,4-Dichlorobenzene	ND	5.7	ug/kg	2.3
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.7	ug/kg	1.1
1,2-Dichloroethane	ND	5.7	ug/kg	1.1
1,1-Dichloroethene	**20**	**5.7**	**ug/kg**	**2.3**
cis-1,2-Dichloroethene	**4.5 J**	**5.7**	**ug/kg**	**2.3**
trans-1,2-Dichloroethene	ND	5.7	ug/kg	2.3
1,2-Dichloropropane	ND	5.7	ug/kg	1.1
1,3-Dichloropropane	ND	5.7	ug/kg	2.3
2,2-Dichloropropane	ND	5.7	ug/kg	2.3
1,1-Dichloropropene	ND	5.7	ug/kg	1.1

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NGSC-GLU005288

Entact Environmental Services, LLC

Client Sample ID: SB133 (39.5-40)

GC/MS Volatiles

Lot-Sample #...: E6F270245-016 **Work Order #...:** H8AK41AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.7	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.7	ug/kg	2.3
Ethylbenzene	ND	5.7	ug/kg	2.3
Hexachlorobutadiene	ND	5.7	ug/kg	2.3
2-Hexanone	ND	29	ug/kg	11
Isopropylbenzene	ND	5.7	ug/kg	2.3
p-Isopropyltoluene	ND	5.7	ug/kg	2.3
Methylene chloride	ND	5.7	ug/kg	2.3
4-Methyl-2-pentanone	ND	29	ug/kg	11
Methyl tert-butyl ether	ND	5.7	ug/kg	1.1
Naphthalene	ND	5.7	ug/kg	2.3
n-Propylbenzene	ND	5.7	ug/kg	2.3
Styrene	ND	11	ug/kg	2.3
1,1,1,2-Tetrachloroethane	ND	5.7	ug/kg	2.3
1,1,2,2-Tetrachloroethane	ND	5.7	ug/kg	2.3
Tetrachloroethene	**130**	**5.7**	**ug/kg**	**2.3**
Toluene	ND	5.7	ug/kg	2.3
1,2,3-Trichlorobenzene	ND	5.7	ug/kg	2.3
1,2,4-Trichloro-benzene	ND	5.7	ug/kg	2.3
1,1,1-Trichloroethane	ND	5.7	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.7	ug/kg	2.3
Trichloroethene	**39**	**5.7**	**ug/kg**	**2.3**
Trichlorofluoromethane	ND	11	ug/kg	2.3
1,2,3-Trichloropropane	ND	5.7	ug/kg	2.3
1,1,2-Trichlorotrifluoro-ethane	ND	5.7	ug/kg	2.3
1,2,4-Trimethylbenzene	ND	5.7	ug/kg	2.3
1,3,5-Trimethylbenzene	ND	5.7	ug/kg	2.3
Vinyl chloride	ND	11	ug/kg	2.3
m-Xylene & p-Xylene	ND	5.7	ug/kg	2.3
o-Xylene	ND	5.7	ug/kg	2.3
Xylenes (total)	ND	5.7	ug/kg	2.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	91	(60 - 125)
1,2-Dichloroethane-d4	93	(55 - 125)
Toluene-d8	89	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005289

Entact Environmental Services, LLC

Client Sample ID: SB133 (39.5-40)

General Chemistry

Lot-Sample #...: E6F270245-016 Work Order #...: H8AK4 Matrix.....: SO
Date Sampled...: 06/26/06 16:05 Date Received..: 06/27/06 11:35
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	12.1	0.10	%	MCAWW 160.3 MOD	06/29-06/30/06	6180570
		Dilution Factor: 1		Analysis Time..: 10:20	Analyst ID.....: 0000649	
		Instrument ID..: W15		MS Run #.....: 6180325	MDL.....:	

NGSC-GLU005290

Entact Environmental Services, LLC

Client Sample ID: SB133 (49.5-50)

GC/MS Volatiles

Lot-Sample #...:	E6F270245-017	**Work Order #...:**	H8AK51AA	**Matrix.....:**	SO
Date Sampled...:	06/26/06 16:20	**Date Received..:**	06/27/06 11:35	**MS Run #.....:**	
Prep Date.....:	06/28/06	**Analysis Date..:**	07/02/06		
Prep Batch #...:	6183016	**Analysis Time..:**	12:32		
Dilution Factor:	0.88				
% Moisture.....:	17	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	26	ug/kg	11
Benzene	ND	5.3	ug/kg	2.1
Bromobenzene	ND	5.3	ug/kg	2.1
Bromochloromethane	ND	5.3	ug/kg	1.1
Bromoform	ND	5.3	ug/kg	2.1
Bromomethane	ND	11	ug/kg	2.1
2-Butanone	ND	26	ug/kg	16
n-Butylbenzene	ND	5.3	ug/kg	2.1
sec-Butylbenzene	ND	5.3	ug/kg	2.1
tert-Butylbenzene	ND	5.3	ug/kg	2.1
Carbon disulfide	ND	5.3	ug/kg	2.1
Carbon tetrachloride	ND	5.3	ug/kg	1.1
Chlorobenzene	ND	5.3	ug/kg	2.1
Dibromochloromethane	ND	5.3	ug/kg	2.1
Bromodichloromethane	ND	5.3	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.1
Chloroform	ND	5.3	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.2
2-Chlorotoluene	ND	5.3	ug/kg	2.1
4-Chlorotoluene	ND	5.3	ug/kg	2.1
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.2
1,2-Dibromoethane (EDB)	ND	5.3	ug/kg	2.1
Dibromomethane	ND	5.3	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,3-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,4-Dichlorobenzene	ND	5.3	ug/kg	2.1
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.3	ug/kg	1.1
1,2-Dichloroethane	ND	5.3	ug/kg	1.1
1,1-Dichloroethene	**65**	**5.3**	**ug/kg**	**2.1**
cis-1,2-Dichloroethene	**9.1**	**5.3**	**ug/kg**	**2.1**
trans-1,2-Dichloroethene	ND	5.3	ug/kg	2.1
1,2-Dichloropropane	ND	5.3	ug/kg	1.1
1,3-Dichloropropane	ND	5.3	ug/kg	2.1
2,2-Dichloropropane	ND	5.3	ug/kg	2.1
1,1-Dichloropropene	ND	5.3	ug/kg	1.1

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NGSC-GLU005291

Entact Environmental Services, LLC

Client Sample ID: SB133 (49.5-50)

GC/MS Volatiles

Lot-Sample #...: E6F270245-017 Work Order #...: H8AK51AA Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.3	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.3	ug/kg	2.1
Ethylbenzene	ND	5.3	ug/kg	2.1
Hexachlorobutadiene	ND	5.3	ug/kg	2.1
2-Hexanone	ND	26	ug/kg	11
Isopropylbenzene	ND	5.3	ug/kg	2.1
p-Isopropyltoluene	ND	5.3	ug/kg	2.1
Methylene chloride	ND	5.3	ug/kg	2.1
4-Methyl-2-pentanone	ND	26	ug/kg	11
Methyl tert-butyl ether	ND	5.3	ug/kg	1.1
Naphthalene	ND	5.3	ug/kg	2.1
n-Propylbenzene	ND	5.3	ug/kg	2.1
Styrene	ND	11	ug/kg	2.1
1,1,1,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
1,1,2,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
Tetrachloroethene	**89**	**5.3**	**ug/kg**	**2.1**
Toluene	ND	5.3	ug/kg	2.1
1,2,3-Trichlorobenzene	ND	5.3	ug/kg	2.1
1,2,4-Trichloro-benzene	ND	5.3	ug/kg	2.1
1,1,1-Trichloroethane	ND	5.3	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.3	ug/kg	2.1
Trichloroethene	**120**	**5.3**	**ug/kg**	**2.1**
Trichlorofluoromethane	ND	11	ug/kg	2.1
1,2,3-Trichloropropane	ND	5.3	ug/kg	2.1
1,1,2-Trichlorotrifluoro-ethane	ND	5.3	ug/kg	2.1
1,2,4-Trimethylbenzene	ND	5.3	ug/kg	2.1
1,3,5-Trimethylbenzene	ND	5.3	ug/kg	2.1
Vinyl chloride	ND	11	ug/kg	2.1
m-Xylene & p-Xylene	ND	5.3	ug/kg	2.1
o-Xylene	ND	5.3	ug/kg	2.1
Xylenes (total)	ND	5.3	ug/kg	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	88	(60 - 125)
1,2-Dichloroethane-d4	91	(55 - 125)
Toluene-d8	86	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005292

Entact Environmental Services, LLC

Client Sample ID: SB133 (49.5-50)

General Chemistry

Lot-Sample #...: E6F270245-017 Work Order #...: H8AK5 Matrix.....: SO
Date Sampled...: 06/26/06 16:20 Date Received..: 06/27/06 11:35
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	16.6	0.10	%	MCAWW 160.3 MOD	06/29-06/30/06	6180570

Dilution Factor: 1 Analysis Time..: 10:20 Analyst ID.....: 0000645
Instrument ID..: W15 MS Run #.....: 6180325 MDL.....:

NGSC-GLU005293

Entact Environmental Services, LLC

Client Sample ID: SB133 (59.5-60)

GC/MS Volatiles

Lot-Sample #...:	E6F270245-018	**Work Order #...:**	H8AK61AA	**Matrix.....:**	SO
Date Sampled...:	06/26/06 16:35	**Date Received..:**	06/27/06 11:35	**MS Run #.....:**	
Prep Date.....:	06/28/06	**Analysis Date..:**	07/02/06		
Prep Batch #...:	6183016	**Analysis Time..:**	12:53		
Dilution Factor:	0.88				
% Moisture.....:	24	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**19 J**	**29**	**ug/kg**	**12**
Benzene	ND	5.8	ug/kg	2.3
Bromobenzene	ND	5.8	ug/kg	2.3
Bromochloromethane	ND	5.8	ug/kg	1.2
Bromoform	ND	5.8	ug/kg	2.3
Bromomethane	ND	12	ug/kg	2.3
2-Butanone	ND	29	ug/kg	17
n-Butylbenzene	ND	5.8	ug/kg	2.3
sec-Butylbenzene	ND	5.8	ug/kg	2.3
tert-Butylbenzene	ND	5.8	ug/kg	2.3
Carbon disulfide	ND	5.8	ug/kg	2.3
Carbon tetrachloride	ND	5.8	ug/kg	1.2
Chlorobenzene	ND	5.8	ug/kg	2.3
Dibromochloromethane	ND	5.8	ug/kg	2.3
Bromodichloromethane	ND	5.8	ug/kg	1.2
Chloroethane	ND	12	ug/kg	2.3
Chloroform	ND	5.8	ug/kg	1.2
Chloromethane	ND	12	ug/kg	3.5
2-Chlorotoluene	ND	5.8	ug/kg	2.3
4-Chlorotoluene	ND	5.8	ug/kg	2.3
1,2-Dibromo-3-chloro-propane	ND	12	ug/kg	3.5
1,2-Dibromoethane (EDB)	ND	5.8	ug/kg	2.3
Dibromomethane	ND	5.8	ug/kg	1.2
1,2-Dichlorobenzene	ND	5.8	ug/kg	2.3
1,3-Dichlorobenzene	ND	5.8	ug/kg	2.3
1,4-Dichlorobenzene	ND	5.8	ug/kg	2.3
Dichlorodifluoromethane	ND	12	ug/kg	1.2
1,1-Dichloroethane	ND	5.8	ug/kg	1.2
1,2-Dichloroethane	ND	5.8	ug/kg	1.2
1,1-Dichloroethene	**120**	**5.8**	**ug/kg**	**2.3**
cis-1,2-Dichloroethene	**6.3**	**5.8**	**ug/kg**	**2.3**
trans-1,2-Dichloroethene	ND	5.8	ug/kg	2.3
1,2-Dichloropropane	ND	5.8	ug/kg	1.2
1,3-Dichloropropane	ND	5.8	ug/kg	2.3
2,2-Dichloropropane	ND	5.8	ug/kg	2.3
1,1-Dichloropropene	ND	5.8	ug/kg	1.2

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Entact Environmental Services, LLC

Client Sample ID: SB133 (59.5-60)

GC/MS Volatiles

Lot-Sample #...: E6F270245-018 **Work Order #...:** H8AK61AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.8	ug/kg	1.2
trans-1,3-Dichloropropene	ND	5.8	ug/kg	2.3
Ethylbenzene	ND	5.8	ug/kg	2.3
Hexachlorobutadiene	ND	5.8	ug/kg	2.3
2-Hexanone	ND	29	ug/kg	12
Isopropylbenzene	ND	5.8	ug/kg	2.3
p-Isopropyltoluene	ND	5.8	ug/kg	2.3
Methylene chloride	ND	5.8	ug/kg	2.3
4-Methyl-2-pentanone	ND	29	ug/kg	12
Methyl tert-butyl ether	ND	5.8	ug/kg	1.2
Naphthalene	ND	5.8	ug/kg	2.3
n-Propylbenzene	ND	5.8	ug/kg	2.3
Styrene	ND	12	ug/kg	2.3
1,1,1,2-Tetrachloroethane	ND	5.8	ug/kg	2.3
1,1,2,2-Tetrachloroethane	ND	5.8	ug/kg	2.3
Tetrachloroethene	**47**	**5.8**	**ug/kg**	**2.3**
Toluene	ND	5.8	ug/kg	2.3
1,2,3-Trichlorobenzene	ND	5.8	ug/kg	2.3
1,2,4-Trichloro-benzene	ND	5.8	ug/kg	2.3
1,1,1-Trichloroethane	ND	5.8	ug/kg	1.2
1,1,2-Trichloroethane	ND	5.8	ug/kg	2.3
Trichloroethene	**160**	**5.8**	**ug/kg**	**2.3**
Trichlorofluoromethane	ND	12	ug/kg	2.3
1,2,3-Trichloropropane	ND	5.8	ug/kg	2.3
1,1,2-Trichlorotrifluoro-ethane	ND	5.8	ug/kg	2.3
1,2,4-Trimethylbenzene	ND	5.8	ug/kg	2.3
1,3,5-Trimethylbenzene	ND	5.8	ug/kg	2.3
Vinyl chloride	ND	12	ug/kg	2.3
m-Xylene & p-Xylene	ND	5.8	ug/kg	2.3
o-Xylene	ND	5.8	ug/kg	2.3
Xylenes (total)	ND	5.8	ug/kg	2.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	90	(60 - 125)
1,2-Dichloroethane-d4	91	(55 - 125)
Toluene-d8	90	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005295

Entact Environmental Services, LLC

Client Sample ID: SB133 (59.5-60)

General Chemistry

Lot-Sample #...: E6F270245-018 Work Order #...: H8AK6 Matrix.....: SO
Date Sampled...: 06/26/06 16:35 Date Received..: 06/27/06 11:35
% Moisture.....: 24

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	24.1	0.10	%	MCAWW 160.3 MOD	06/29-06/30/06	6180570

Dilution Factor: 1 Analysis Time..: 10:20 Analyst ID.....: 0000645
Instrument ID..: W15 MS Run #.....: 6180325 MDL.....:

NGSC-GLU005296

Entact Environmental Services, LLC

Client Sample ID: SB133 (69.5-70)

GC/MS Volatiles

Lot-Sample #...:	E6F270245-019	**Work Order #...:**	H8AK71AA	**Matrix.....:**	SO
Date Sampled...:	06/26/06 16:50	**Date Received..:**	06/27/06 11:35	**MS Run #.....:**	
Prep Date.....:	06/28/06	**Analysis Date..:**	07/02/06		
Prep Batch #...:	6183016	**Analysis Time..:**	13:14		
Dilution Factor:	0.85				
% Moisture.....:	17	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	10
Benzene	ND	5.1	ug/kg	2.0
Bromobenzene	ND	5.1	ug/kg	2.0
Bromochloromethane	ND	5.1	ug/kg	1.0
Bromoform	ND	5.1	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	5.1	ug/kg	2.0
sec-Butylbenzene	ND	5.1	ug/kg	2.0
tert-Butylbenzene	ND	5.1	ug/kg	2.0
Carbon disulfide	ND	5.1	ug/kg	2.0
Carbon tetrachloride	ND	5.1	ug/kg	1.0
Chlorobenzene	ND	5.1	ug/kg	2.0
Dibromochloromethane	ND	5.1	ug/kg	2.0
Bromodichloromethane	ND	5.1	ug/kg	1.0
Chloroethane	ND	10	ug/kg	2.0
Chloroform	ND	5.1	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.1
2-Chlorotoluene	ND	5.1	ug/kg	2.0
4-Chlorotoluene	ND	5.1	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.1
1,2-Dibromoethane (EDB)	ND	5.1	ug/kg	2.0
Dibromomethane	ND	5.1	ug/kg	1.0
1,2-Dichlorobenzene	ND	5.1	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.1	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.1	ug/kg	2.0
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.1	ug/kg	1.0
1,2-Dichloroethane	ND	5.1	ug/kg	1.0
1,1-Dichloroethene	**23**	**5.1**	**ug/kg**	**2.0**
cis-1,2-Dichloroethene	ND	5.1	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.1	ug/kg	2.0
1,2-Dichloropropane	ND	5.1	ug/kg	1.0
1,3-Dichloropropane	ND	5.1	ug/kg	2.0
2,2-Dichloropropane	ND	5.1	ug/kg	2.0
1,1-Dichloropropene	ND	5.1	ug/kg	1.0

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NGSC-GLU005297

Entact Environmental Services, LLC

Client Sample ID: SB133 (69.5-70)

GC/MS Volatiles

Lot-Sample #...: E6F270245-019 **Work Order #...:** H8AK71AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.1	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.1	ug/kg	2.0
Ethylbenzene	ND	5.1	ug/kg	2.0
Hexachlorobutadiene	ND	5.1	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Isopropylbenzene	ND	5.1	ug/kg	2.0
p-Isopropyltoluene	ND	5.1	ug/kg	2.0
Methylene chloride	ND	5.1	ug/kg	2.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Methyl tert-butyl ether	ND	5.1	ug/kg	1.0
Naphthalene	ND	5.1	ug/kg	2.0
n-Propylbenzene	ND	5.1	ug/kg	2.0
Styrene	ND	10	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.1	ug/kg	2.0
1,1,2,2-Tetrachloroethane	ND	5.1	ug/kg	2.0
Tetrachloroethene	**12**	**5.1**	**ug/kg**	**2.0**
Toluene	ND	5.1	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.1	ug/kg	2.0
1,2,4-Trichloro-benzene	ND	5.1	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.1	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.1	ug/kg	2.0
Trichloroethene	**13**	**5.1**	**ug/kg**	**2.0**
Trichlorofluoromethane	ND	10	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.1	ug/kg	2.0
1,1,2-Trichlorotrifluoro-ethane	ND	5.1	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.1	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.1	ug/kg	2.0
Vinyl chloride	ND	10	ug/kg	2.0
m-Xylene & p-Xylene	ND	5.1	ug/kg	2.0
o-Xylene	ND	5.1	ug/kg	2.0
Xylenes (total)	ND	5.1	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	88	(60 - 125)
1,2-Dichloroethane-d4	97	(55 - 125)
Toluene-d8	86	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NGSC-GLU005298

Entact Environmental Services, LLC

Client Sample ID: SB133 (69.5-70)

General Chemistry

Lot-Sample #...: E6F270245-019 **Work Order #...:** H8AK7 **Matrix.....:** SO
Date Sampled...: 06/26/06 16:50 **Date Received..:** 06/27/06 11:35
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**16.6**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/29-06/30/06**	**6180570**

Dilution Factor: 1 Analysis Time..: 10:20 Analyst ID.....: 0000645
Instrument ID..: W15 MS Run #.....: 6180325 MDL.....:

NGSC-GLU005299

Entact Environmental Services, LLC

Client Sample ID: SB133 (79.5-80)

GC/MS Volatiles

Lot-Sample #...:	E6F270245-020	Work Order #...:	H8AK81AA	Matrix.....:	SO
Date Sampled...:	06/26/06 17:15	Date Received..:	06/27/06 11:35	MS Run #.....:	
Prep Date.....:	06/28/06	Analysis Date..:	07/02/06		
Prep Batch #...:	6183016	Analysis Time..:	13:35		
Dilution Factor:	0.9				
% Moisture.....:	11	Analyst ID.....:	004648	Instrument ID..:	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**16 J**	**25**	**ug/kg**	**10**
Benzene	ND	5.1	ug/kg	2.0
Bromobenzene	ND	5.1	ug/kg	2.0
Bromochloromethane	ND	5.1	ug/kg	1.0
Bromoform	ND	5.1	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
n-Butylbenzene	ND	5.1	ug/kg	2.0
sec-Butylbenzene	ND	5.1	ug/kg	2.0
tert-Butylbenzene	ND	5.1	ug/kg	2.0
Carbon disulfide	ND	5.1	ug/kg	2.0
Carbon tetrachloride	ND	5.1	ug/kg	1.0
Chlorobenzene	ND	5.1	ug/kg	2.0
Dibromochloromethane	ND	5.1	ug/kg	2.0
Bromodichloromethane	ND	5.1	ug/kg	1.0
Chloroethane	ND	10	ug/kg	2.0
Chloroform	ND	5.1	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
2-Chlorotoluene	ND	5.1	ug/kg	2.0
4-Chlorotoluene	ND	5.1	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2-Dibromoethane (EDB)	ND	5.1	ug/kg	2.0
Dibromomethane	ND	5.1	ug/kg	1.0
1,2-Dichlorobenzene	ND	5.1	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.1	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.1	ug/kg	2.0
Dichlorodifluoromethane	ND	10	ug/kg	1.0
1,1-Dichloroethane	ND	5.1	ug/kg	1.0
1,2-Dichloroethane	ND	5.1	ug/kg	1.0
1,1-Dichloroethene	ND	5.1	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.1	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.1	ug/kg	2.0
1,2-Dichloropropane	ND	5.1	ug/kg	1.0
1,3-Dichloropropane	ND	5.1	ug/kg	2.0
2,2-Dichloropropane	ND	5.1	ug/kg	2.0
1,1-Dichloropropene	ND	5.1	ug/kg	1.0

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NGSC-GLU005300

Entact Environmental Services, LLC

Client Sample ID: SB133 (79.5-80)

GC/MS Volatiles

Lot-Sample #...: E6F270245-020 **Work Order #...:** H8AK81AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.1	ug/kg	1.0
trans-1,3-Dichloropropene	ND	5.1	ug/kg	2.0
Ethylbenzene	ND	5.1	ug/kg	2.0
Hexachlorobutadiene	ND	5.1	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Isopropylbenzene	ND	5.1	ug/kg	2.0
p-Isopropyltoluene	ND	5.1	ug/kg	2.0
Methylene chloride	ND	5.1	ug/kg	2.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Methyl tert-butyl ether	ND	5.1	ug/kg	1.0
Naphthalene	ND	5.1	ug/kg	2.0
n-Propylbenzene	ND	5.1	ug/kg	2.0
Styrene	ND	10	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.1	ug/kg	2.0
1,1,2,2-Tetrachloroethane	ND	5.1	ug/kg	2.0
Tetrachloroethene	**3.6 J**	**5.1**	**ug/kg**	**2.0**
Toluene	ND	5.1	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.1	ug/kg	2.0
1,2,4-Trichloro-benzene	ND	5.1	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.1	ug/kg	1.0
1,1,2-Trichloroethane	ND	5.1	ug/kg	2.0
Trichloroethene	**2.7 J**	**5.1**	**ug/kg**	**2.0**
Trichlorofluoromethane	ND	10	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.1	ug/kg	2.0
1,1,2-Trichlorotrifluoro-ethane	ND	5.1	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.1	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.1	ug/kg	2.0
Vinyl chloride	ND	10	ug/kg	2.0
m-Xylene & p-Xylene	ND	5.1	ug/kg	2.0
o-Xylene	ND	5.1	ug/kg	2.0
Xylenes (total)	ND	5.1	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	90	(60 - 125)
1,2-Dichloroethane-d4	95	(55 - 125)
Toluene-d8	89	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

NGSC-GLU005301

Entact Environmental Services, LLC

Client Sample ID: SB133 (79.5-80)

General Chemistry

Lot-Sample #...: E6F270245-020 Work Order #...: H8AK8 Matrix.....: SO
Date Sampled...: 06/26/06 17:15 Date Received..: 06/27/06 11:35
% Moisture.....: 11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	11.4	0.10	%	MCAWW 160.3 MOD	06/29-06/30/06	6180570

Dilution Factor: 1 Analysis Time..: 10:20 Analyst ID.....: 0000645
Instrument ID..: W15 MS Run #.....: 6180325 MDL.....:

NGSC-GLU005302

STL

QA/QC

NGSC-GLU005303

QC DATA ASSOCIATION SUMMARY

E6F270245

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SO	SW846 8260B		6183016	
	SO	MCAWW 160.3 MOD		6179564	6179309
002	SO	SW846 8260B		6183016	
	SO	MCAWW 160.3 MOD		6179564	6179309
003	SO	SW846 8260B		6183016	
	SO	MCAWW 160.3 MOD		6179564	6179309
004	SO	SW846 8260B		6183016	
	SO	MCAWW 160.3 MOD		6179564	6179309
005	SO	SW846 8260B		6183016	
	SO	MCAWW 160.3 MOD		6179564	6179309
006	SO	SW846 8260B		6183016	
	SO	MCAWW 160.3 MOD		6179564	6179309
007	SO	SW846 8260B		6183016	
	SO	MCAWW 160.3 MOD		6179564	6179309
008	SO	SW846 8260B		6183016	
	SO	MCAWW 160.3 MOD		6179564	6179309
009	SO	SW846 8260B		6183016	
	SO	MCAWW 160.3 MOD		6179564	6179309
010	SO	SW846 8260B		6183016	
	SO	MCAWW 160.3 MOD		6179564	6179309
011	SO	SW846 8260B		6183016	
	SO	MCAWW 160.3 MOD		6179564	6179309
012	SO	SW846 8260B		6183016	
	SO	MCAWW 160.3 MOD		6179564	6179309
013	SO	SW846 8260B		6187427	
	SO	MCAWW 160.3 MOD		6179564	6179309
014	SO	SW846 8260B		6183016	
	SO	MCAWW 160.3 MOD		6179564	6179309

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NGSC-GLU005304

QC DATA ASSOCIATION SUMMARY

E6F270245

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
015	SO	SW846 8260B		6187427	
	SO	MCAWW 160.3 MOD		6179564	6179309
016	SO	SW846 8260B		6183016	
	SO	MCAWW 160.3 MOD		6180570	6180325
017	SO	SW846 8260B		6183016	
	SO	MCAWW 160.3 MOD		6180570	6180325
018	SO	SW846 8260B		6183016	
	SO	MCAWW 160.3 MOD		6180570	6180325
019	SO	SW846 8260B		6183016	
	SO	MCAWW 160.3 MOD		6180570	6180325
020	SO	SW846 8260B		6183016	
	SO	MCAWW 160.3 MOD		6180570	6180325

NGSC-GLU005305

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6F270245
MB Lot-Sample #: E6G020000-016

Work Order #...: H8L221AA

Matrix.....: SOLID

Prep Date.....: 06/28/06

Analysis Time..: 13:53

Analysis Date..: 06/30/06

Prep Batch #...: 6183016

Instrument ID..: MSO

Dilution Factor: 1

Analyst ID.....: 004648

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	25	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	SW846 8260B
Dibromomethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B

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NGSC-GLU005306

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6F270245 **Work Order #...:** H8L221AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
Naphthalene	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	5.0	ug/kg	SW846 8260B
o-Xylene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	89	(60 - 125)
1,2-Dichloroethane-d4	90	(55 - 125)
Toluene-d8	89	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NGSC-GLU005307

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6F270245
MB Lot-Sample #: E6G060000-427

Work Order #...: H8Q1G1AA

Matrix.....: SOLID

Prep Date.....: 06/28/06

Analysis Time..: 15:38

Analysis Date..: 07/05/06

Prep Batch #...: 6187427

Instrument ID..: MSP

Dilution Factor: 1

Analyst ID.....: 999998

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	**480 J**	**1200**	**ug/kg**	**SW846 8260B**
Benzene	ND	250	ug/kg	SW846 8260B
Bromobenzene	ND	250	ug/kg	SW846 8260B
Bromochloromethane	ND	250	ug/kg	SW846 8260B
Bromoform	ND	250	ug/kg	SW846 8260B
Bromomethane	ND	500	ug/kg	SW846 8260B
2-Butanone	ND	1200	ug/kg	SW846 8260B
n-Butylbenzene	ND	250	ug/kg	SW846 8260B
sec-Butylbenzene	ND	250	ug/kg	SW846 8260B
tert-Butylbenzene	ND	250	ug/kg	SW846 8260B
Carbon disulfide	ND	250	ug/kg	SW846 8260B
Carbon tetrachloride	ND	250	ug/kg	SW846 8260B
Chlorobenzene	ND	250	ug/kg	SW846 8260B
Dibromochloromethane	ND	250	ug/kg	SW846 8260B
Bromodichloromethane	ND	250	ug/kg	SW846 8260B
Chloroethane	ND	500	ug/kg	SW846 8260B
Chloroform	ND	250	ug/kg	SW846 8260B
Chloromethane	ND	500	ug/kg	SW846 8260B
2-Chlorotoluene	ND	250	ug/kg	SW846 8260B
4-Chlorotoluene	ND	250	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	500	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	250	ug/kg	SW846 8260B
Dibromomethane	ND	250	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	250	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	500	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	250	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	250	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	250	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	250	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	250	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	250	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	250	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	250	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	250	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	250	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	250	ug/kg	SW846 8260B
Ethylbenzene	ND	250	ug/kg	SW846 8260B

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NGSC-GLU005308

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6F270245 **Work Order #...:** H8Q1G1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	250	ug/kg	SW846 8260B
2-Hexanone	ND	1200	ug/kg	SW846 8260B
Isopropylbenzene	ND	250	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	250	ug/kg	SW846 8260B
Methylene chloride	ND	250	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	1200	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	250	ug/kg	SW846 8260B
Naphthalene	ND	250	ug/kg	SW846 8260B
n-Propylbenzene	ND	250	ug/kg	SW846 8260B
Styrene	ND	500	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	250	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	250	ug/kg	SW846 8260B
Tetrachloroethene	ND	250	ug/kg	SW846 8260B
Toluene	ND	250	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	250	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	250	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	250	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	250	ug/kg	SW846 8260B
Trichloroethene	ND	250	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	500	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	250	ug/kg	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	250	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	250	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	250	ug/kg	SW846 8260B
Vinyl chloride	ND	500	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	250	ug/kg	SW846 8260B
o-Xylene	ND	250	ug/kg	SW846 8260B
Xylenes (total)	ND	250	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	91	(65 - 130)
1,2-Dichloroethane-d4	105	(65 - 130)
Toluene-d8	96	(65 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

NGSC-GLU005309

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6F270245 **Work Order #...:** H8L221AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: E6G020000-016 H8L221AD-LCSD
Prep Date.....: 06/28/06 **Analysis Date..:** 06/30/06
Prep Batch #...: 6183016 **Analysis Time..:** 13:11
Dilution Factor: 1 **Instrument ID..:** MSO
Analyst ID.....: 004648

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**93**	**(70 - 130)**			**SW846 8260B**
	96	**(70 - 130)**	**2.8**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**101**	**(70 - 130)**			**SW846 8260B**
	101	**(70 - 130)**	**0.65**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethene	**66**	**(50 - 160)**			**SW846 8260B**
	72	**(50 - 160)**	**9.3**	**(0-30)**	**SW846 8260B**
Toluene	**95**	**(70 - 130)**			**SW846 8260B**
	96	**(70 - 130)**	**1.3**	**(0-30)**	**SW846 8260B**
Trichloroethene	**96**	**(70 - 135)**			**SW846 8260B**
	99	**(70 - 135)**	**3.2**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	87	(60 - 125)
	90	(60 - 125)
1,2-Dichloroethane-d4	87	(55 - 125)
	88	(55 - 125)
Toluene-d8	88	(60 - 125)
	89	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU005310

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6F270245 **Work Order #...:** H8L221AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: E6G020000-016 H8L221AD-LCSD
Prep Date.....: 06/28/06 **Analysis Date..:** 06/30/06
Prep Batch #...: 6183016 **Analysis Time..:** 13:11
Dilution Factor: 1 **Instrument ID..:** MSO
Analyst ID.....: 004648

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**50.0**	**46.6**	**ug/kg**	**93**		**SW846 8260B**
	50.0	**47.9**	**ug/kg**	**96**	**2.8**	**SW846 8260B**
Chlorobenzene	**50.0**	**50.3**	**ug/kg**	**101**		**SW846 8260B**
	50.0	**50.7**	**ug/kg**	**101**	**0.65**	**SW846 8260B**
1,1-Dichloroethene	**50.0**	**32.9**	**ug/kg**	**66**		**SW846 8260B**
	50.0	**36.1**	**ug/kg**	**72**	**9.3**	**SW846 8260B**
Toluene	**50.0**	**47.5**	**ug/kg**	**95**		**SW846 8260B**
	50.0	**48.1**	**ug/kg**	**96**	**1.3**	**SW846 8260B**
Trichloroethene	**50.0**	**48.0**	**ug/kg**	**96**		**SW846 8260B**
	50.0	**49.6**	**ug/kg**	**99**	**3.2**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	87	(60 - 125)
	90	(60 - 125)
1,2-Dichloroethane-d4	87	(55 - 125)
	88	(55 - 125)
Toluene-d8	88	(60 - 125)
	89	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU005311

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6F270245
LCS Lot-Sample#: E6G060000-427
Prep Date.....: 06/28/06
Prep Batch #...: 6187427
Dilution Factor: 1
Analyst ID.....: 999998

Work Order #...: H8Q1G1AC-LCS
H8Q1G1AD-LCSD
Analysis Date..: 07/05/06
Analysis Time..: 17:13
Instrument ID..: MSP

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	111	(70 - 135)			SW846 8260B
	112	(70 - 135)	0.53	(0-35)	SW846 8260B
Carbon tetrachloride	124	(50 - 150)			SW846 8260B
	127	(50 - 150)	2.8	(0-35)	SW846 8260B
Bromodichloromethane	121	(50 - 150)			SW846 8260B
	122	(50 - 150)	0.29	(0-35)	SW846 8260B
Chloroform	111	(50 - 150)			SW846 8260B
	111	(50 - 150)	0.39	(0-35)	SW846 8260B
1,1-Dichloroethane	118	(50 - 150)			SW846 8260B
	119	(50 - 150)	1.2	(0-35)	SW846 8260B
1,2-Dichloroethane	122	(50 - 150)			SW846 8260B
	120	(50 - 150)	1.6	(0-35)	SW846 8260B
1,1-Dichloroethene	147	(50 - 155)			SW846 8260B
	154	(50 - 155)	4.2	(0-35)	SW846 8260B
cis-1,2-Dichloroethene	112	(50 - 150)			SW846 8260B
	115	(50 - 150)	3.0	(0-35)	SW846 8260B
Ethylbenzene	111	(50 - 150)			SW846 8260B
	113	(50 - 150)	1.2	(0-35)	SW846 8260B
Tetrachloroethene	110	(50 - 150)			SW846 8260B
	116	(50 - 150)	6.0	(0-35)	SW846 8260B
Toluene	105	(70 - 120)			SW846 8260B
	107	(70 - 120)	2.1	(0-35)	SW846 8260B
1,1,1-Trichloroethane	118	(50 - 150)			SW846 8260B
	118	(50 - 150)	0.40	(0-35)	SW846 8260B
Trichloroethene	114	(70 - 135)			SW846 8260B
	116	(70 - 135)	1.6	(0-35)	SW846 8260B
Vinyl chloride	107	(50 - 150)			SW846 8260B
	141	(50 - 150)	28	(0-35)	SW846 8260B
m-Xylene & p-Xylene	111	(50 - 150)			SW846 8260B
	113	(50 - 150)	2.3	(0-35)	SW846 8260B
o-Xylene	111	(50 - 150)			SW846 8260B
	112	(50 - 150)	1.0	(0-35)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	89	(65 - 130)
	88	(65 - 130)
1,2-Dichloroethane-d4	107	(65 - 130)
	103	(65 - 130)
Toluene-d8	99	(65 - 130)
	100	(65 - 130)

(Continued on next page)

NGSC-GLU005312

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6F270245 **Work Order #...:** H8Q1G1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: E6G060000-427 H8Q1G1AD-LCSD

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU005313

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6F270245 Work Order #...: H8Q1G1AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: E6G060000-427 H8Q1G1AD-LCSD
Prep Date.....: 06/28/06 Analysis Date..: 07/05/06
Prep Batch #...: 6187427 Analysis Time..: 17:13
Dilution Factor: 1 Instrument ID..: MSP
Analyst ID.....: 999998

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	2500	2780	ug/kg	111		SW846 8260B
	2500	2800	ug/kg	112	0.53	SW846 8260B
Carbon tetrachloride	2500	3090	ug/kg	124		SW846 8260B
	2500	3180	ug/kg	127	2.8	SW846 8260B
Bromodichloromethane	2500	3030	ug/kg	121		SW846 8260B
	2500	3040	ug/kg	122	0.29	SW846 8260B
Chloroform	2500	2770	ug/kg	111		SW846 8260B
	2500	2780	ug/kg	111	0.39	SW846 8260B
1,1-Dichloroethane	2500	2940	ug/kg	118		SW846 8260B
	2500	2980	ug/kg	119	1.2	SW846 8260B
1,2-Dichloroethane	2500	3060	ug/kg	122		SW846 8260B
	2500	3010	ug/kg	120	1.6	SW846 8260B
1,1-Dichloroethene	2500	3680	ug/kg	147		SW846 8260B
	2500	3840	ug/kg	154	4.2	SW846 8260B
cis-1,2-Dichloroethene	2500	2800	ug/kg	112		SW846 8260B
	2500	2890	ug/kg	115	3.0	SW846 8260B
Ethylbenzene	2500	2790	ug/kg	111		SW846 8260B
	2500	2820	ug/kg	113	1.2	SW846 8260B
Tetrachloroethene	2500	2740	ug/kg	110		SW846 8260B
	2500	2910	ug/kg	116	6.0	SW846 8260B
Toluene	2500	2630	ug/kg	105		SW846 8260B
	2500	2690	ug/kg	107	2.1	SW846 8260B
1,1,1-Trichloroethane	2500	2940	ug/kg	118		SW846 8260B
	2500	2950	ug/kg	118	0.40	SW846 8260B
Trichloroethene	2500	2860	ug/kg	114		SW846 8260B
	2500	2900	ug/kg	116	1.6	SW846 8260B
Vinyl chloride	2500	2670	ug/kg	107		SW846 8260B
	2500	3530	ug/kg	141	28	SW846 8260B
m-Xylene & p-Xylene	5000	5540	ug/kg	111		SW846 8260B
	5000	5670	ug/kg	113	2.3	SW846 8260B
o-Xylene	2500	2770	ug/kg	111		SW846 8260B
	2500	2800	ug/kg	112	1.0	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	89	(65 - 130)
	88	(65 - 130)
1,2-Dichlcroethane-d4	107	(65 - 130)
	103	(65 - 130)
Toluene-d8	99	(65 - 130)
	100	(65 - 130)

(Continued on next page)

NGSC-GLU005314

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6F270245 **Work Order #...:** H8Q1G1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: E6G060000-427 H8Q1G1AD-LCSD

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU005315

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: E6F270245 **Work Order #...:** H74X0-SMP H74X0-DUP **Matrix.....:** SOLID

Date Sampled...: 06/22/06 16:05 **Date Received..:** 06/23/06 08:00

% Moisture.....: 5.5

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	E6F230262-056	
	5.5	5.6	%	1.8	(0-10)	MCAWW 160.3 MOD	06/28-06/29/06	6179564

Dilution Factor: 1 Analysis Time..: 14:00 Analyst ID.....: 021088

Instrument ID..: W15 MS Run Number..: 6179309

NGSC-GLU005316

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: E6F270245 **Work Order #...:** H8AAD-SMP H8AAD-DUP **Matrix.....:** SOLID

Date Sampled...: 06/26/06 10:11 **Date Received..:** 06/27/06 09:45

% Moisture.....: 0.50

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	E6F270231-001	
	0.50	0.50	%	0.0	(0-10)	MCAWW 160.3 MOD	06/29-06/30/06	6180570

Dilution Factor: 1 Analysis Time..: 10:20 Analyst ID.....: 000064

Instrument ID..: W15 MS Run Number..: 6180325

NGSC-GLU005317

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

July 10, 2006

STL LOT NUMBER: **E6F230448**

Greg Rainwater
Entact Environmental Services,
3129 Bass Pro Drive
Grapevine, TX 76051

Dear Greg Rainwater,

This report contains the analytical results for the eight samples received under chain of custody by Severn Trent Laboratories (STL) on June 23, 2006. These samples are associated with your Johnson Controls, Fullerton CA project.

STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP certification numbers for STL Los Angeles are 01118CA and E87652 FL.

Any matrix related anomaly is footnoted within the report. A cooler receipt temperature of 2 to 6 degrees Celsius is considered within acceptance criteria. Please refer to the Project Receipt Checklist for specific container temperature and conditions.

This report shall not be reproduced except in full, without the written approval of the laboratory.

000042

This report contains _____ pages

NGSC-GLU005318

CASE NARRATIVE

Historical control limits for the LCS are used to define the estimate of uncertainty for a method.

All applicable quality control procedures met method-specified acceptance criteria unless noted below.

If you have any questions, please feel free to call me at (714) 258-8610 extension 325.

Sincerely,

Linda Scharpenberg
Customer Service Manager

cc: Project File

NGSC-GLU005319

E6F230448

[redacted]

hain of ustody Record

SEVERN TRENT **STL**®

Severn Trent Laboratories, Inc.

4124 (0901)

E6F230448

nt ENTACT	Project Manager GREG RAINWATER	Date 6/23/06	Chain of Custody Number 281510
dress 3129 BASS PRO DRIVE	Telephone Number (Area Code)/Fax Number 972/580-1323	Lab Number	Page ____ of ____
GRAPEVINE, State TX, Zip Code 76051	Site Contact M. GARRILAN	Lab Contact TERRY SUART	
ject Name and Location (State) CI - Fullerton, CA	Carrier/Waybill Number		
ntract/Purchase Order/Quote No. C1613			

Analysis (Attach list if more space is needed): VOC (8260)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (ntainers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	VOC (8260)
SB 135 (4.5-5)	6/23/06	1330				X							X
SB 135 (9.5-10)		1350				X							X
SB 135 (19.5-20)		1410				X							X
SB 135 (29.5-30)		1418				X							X
SB 135 (39.5-40)		1450				X							X
SB 135 (49.5-50)		1520				X							X
SB 135D (49.5-50)		1525				X							X
SB 135 (59.5-60)		1538				X							X

ssible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

rn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 5 days

QC Requirements (Specify)

Relinquished By	Date	Time	Received By	Date	Time
Michael K. Flanigan / ENTACT	6/23/06	1600	1. Vinu Pachilla	1600	3/23/06
Relinquished By: Vinu Pachilla	6/23/06	1625	2. Received By	6/23/06	1625
Relinquished By	Date	Time	3. Received By	Date	Time

mments: Temp - 6.2 - 0.3 = 5.9

TRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

3

NGSC-GLU005320

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 6/23/06

Single Cooler Only

LIMS Lot #: E6F230448 Quote #: 68553

Client Name: Entech Project: JCI - Fullerton

Received by: SG Date/Time Received: 6/23/06 1615

Delivered by : ☐ Client ☒ STL ☐ DHL ☐ Fed Ex ☐ UPS ☐ Other

****

	Initial / Date
Custody Seal Status Cooler: ☐Intact ☐Broken ☒None	SG 6/23/06
Custody Seal Status Samples: ☐Intact ☐Broken ☒None	
Custody Seal #(s): N/A ☒No Seal #	
Sampler Signature on COC ☐ Yes ☐No ☒N/A	
IR Gun # A Correction Factor -.3 °C IR passed daily verification ☒ Yes ☐No	
Temperature - BLANK 6.2 °C - .3 CF = 5.9 °C Cooler #1 ID N/A	
Temperature – COOLER (°C °C °C °C) = avg °C - .3 CF = °C	
Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒N/A	
Sample Container(s): ☒STL-LA ☐ Client	
pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒ N/A	
Anomalies: ☒No ☐Yes – complete CUR and Create NCM	
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ Yes ☐ No	
Labeled by: SG	

****

Turn Around Time: ☐RUSH–24HR ☐RUSH–48HR ☐RUSH–72HR ☒NORMAL SG 6/23/06

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐YES ☒N/A SG 6/23/06

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

LIMS Lot # E6F230448

PROJECT RECEIPT CHECKLIST Cont'd

Fraction	1-8													
VOAH														
2oz CGJ	1													
5gE	2													
25gE	1													

6/23/06

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☐YES ☒N/A 6/23/06

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **CUSTODY SEALS (COOLER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CONTAINER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☐ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other ☐ COC not received – notify PM
- **CONTAINERS**
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
  - ☐ Will be noted on COC--Client to send samples with new COC
  - ☐ Mislabeled as to tests, preservatives, etc.
  - ☐ Holding time expired – list sample ID and test
  - ☐ Improper container used
  - ☐ Not preserved/Improper preservative used
  - ☐ Improper pH _____ Lab to preserve sample and document
  - ☐ Insufficient quantities for analysis ☐ Other

Comments:

☐ Corrective Action Implemented:

☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____

☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: Logged in by other STL ☐ ____ Albert Vargas 6-23-06

PM Review/Date: MWC 6/26/06

NGSC-GLU005322

SEVERN TRENT STL

Analytical Report

NGSC-GLU005323

ANALYTICAL REPORT

Johnson Controls, Fullerton CA

Lot #: E6F230448

Greg Rainwater

Entact Environmental Services,

SEVERN TRENT LABORATORIES, INC.

Linda Scharpenberg
Project Manager

July 10, 2006

NGSC-GLU005324

EXECUTIVE SUMMARY - Detection Highlights

E6F230448

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SB135 (4.5-5) 06/23/06 13:30 001				
Acetone	18 J,B	27	ug/kg	SW846 8260B
Tetrachloroethene	13	5.5	ug/kg	SW846 8260B
Percent Moisture	14.9	0.10	%	MCAWW 160.3 MOD
SB135 (9.5-10) 06/23/06 13:50 002				
Acetone	24 J,B	27	ug/kg	SW846 8260B
Tetrachloroethene	4.8 J	5.3	ug/kg	SW846 8260B
Percent Moisture	16.2	0.10	%	MCAWW 160.3 MOD
SB135 (19.5-20) 06/23/06 14:10 003				
Acetone	16 J,B	24	ug/kg	SW846 8260B
Percent Moisture	11.2	0.10	%	MCAWW 160.3 MOD
SB135 (29.5-30) 06/23/06 14:18 004				
Acetone	19 J,B	31	ug/kg	SW846 8260B
Tetrachloroethene	65	6.1	ug/kg	SW846 8260B
Percent Moisture	24.1	0.10	%	MCAWW 160.3 MOD
SB135 (39.5-40) 06/23/06 14:50 005				
Acetone	20 J,B	28	ug/kg	SW846 8260B
Tetrachloroethene	44	5.5	ug/kg	SW846 8260B
Percent Moisture	18.5	0.10	%	MCAWW 160.3 MOD
SB135 (49.5-50) 06/23/06 15:20 006				
Acetone	35 J,B	36	ug/kg	SW846 8260B
Percent Moisture	24.5	0.10	%	MCAWW 160.3 MOD
SB135D (49.5-50) 06/23/06 15:25 007				
Acetone	21 J,B	29	ug/kg	SW846 8260B
Percent Moisture	4.2	0.10	%	MCAWW 160.3 MOD
SB135 (59.5-60) 06/23/06 15:38 008				
Acetone	18 J,B	24	ug/kg	SW846 8260B
1,1-Dichloroethene	2.9 J	4.8	ug/kg	SW846 8260B
Tetrachloroethene	10	4.8	ug/kg	SW846 8260B
Trichloroethene	4.2 J	4.8	ug/kg	SW846 8260B

(Continued on next page)

NGSC-GLU005325

EXECUTIVE SUMMARY - Detection Highlights

E6F230448

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SB135 (59.5-60) 06/23/06 15:38 008				
Percent Moisture	17.5	0.10	%	MCAWW 160.3 MOD

NGSC-GLU005326

METHODS SUMMARY

E6F230448

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5035

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

NGSC-GLU005327

SAMPLE SUMMARY

E6F230448

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H76C4	001	SB135 (4.5-5)	06/23/06	13:30
H76C5	002	SB135 (9.5-10)	06/23/06	13:50
H76C6	003	SB135 (19.5-20)	06/23/06	14:10
H76C7	004	SB135 (29.5-30)	06/23/06	14:18
H76C8	005	SB135 (39.5-40)	06/23/06	14:50
H76C9	006	SB135 (49.5-50)	06/23/06	15:20
H76DA	007	SB135D (49.5-50)	06/23/06	15:25
H76DC	008	SB135 (59.5-60)	06/23/06	15:38

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

NGSC-GLU005328

Entact Environmental Services, LLC

Client Sample ID: SB135 (4.5-5)

GC/MS Volatiles

Lot-Sample #...:	E6F230448-001	**Work Order #...:**	H76C41AA	**Matrix.....:**	SO
Date Sampled...:	06/23/06 13:30	**Date Received..:**	06/23/06 16:25	**MS Run #.....:**	
Prep Date.....:	06/24/06	**Analysis Date..:**	06/29/06		
Prep Batch #...:	6180281	**Analysis Time..:**	04:02		
Dilution Factor:	0.93				
% Moisture.....:	15	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**18 J,B**	**27**	**ug/kg**	**11**
Benzene	ND	5.5	ug/kg	2.2
Bromobenzene	ND	5.5	ug/kg	2.2
Bromochloromethane	ND	5.5	ug/kg	1.1
Bromoform	ND	5.5	ug/kg	2.2
Bromomethane	ND	11	ug/kg	2.2
2-Butanone	ND	27	ug/kg	16
n-Butylbenzene	ND	5.5	ug/kg	2.2
sec-Butylbenzene	ND	5.5	ug/kg	2.2
tert-Butylbenzene	ND	5.5	ug/kg	2.2
Carbon disulfide	ND	5.5	ug/kg	2.2
Carbon tetrachloride	ND	5.5	ug/kg	1.1
Chlorobenzene	ND	5.5	ug/kg	2.2
Dibromochloromethane	ND	5.5	ug/kg	2.2
Bromodichloromethane	ND	5.5	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.2
Chloroform	ND	5.5	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.3
2-Chlorotoluene	ND	5.5	ug/kg	2.2
4-Chlorotoluene	ND	5.5	ug/kg	2.2
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.3
1,2-Dibromoethane (EDB)	ND	5.5	ug/kg	2.2
Dibromomethane	ND	5.5	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.5	ug/kg	2.2
1,3-Dichlorobenzene	ND	5.5	ug/kg	2.2
1,4-Dichlorobenzene	ND	5.5	ug/kg	2.2
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.5	ug/kg	1.1
1,2-Dichloroethane	ND	5.5	ug/kg	1.1
1,1-Dichloroethene	ND	5.5	ug/kg	2.2
cis-1,2-Dichloroethene	ND	5.5	ug/kg	2.2
trans-1,2-Dichloroethene	ND	5.5	ug/kg	2.2
1,2-Dichloropropane	ND	5.5	ug/kg	1.1
1,3-Dichloropropane	ND	5.5	ug/kg	2.2
2,2-Dichloropropane	ND	5.5	ug/kg	2.2
1,1-Dichloropropene	ND	5.5	ug/kg	1.1

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NGSC-GLU005329

Entact Environmental Services, LLC

Client Sample ID: SB135 (4.5-5)

GC/MS Volatiles

Lot-Sample #...: E6F230448-001 **Work Order #...:** H76C41AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.5	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.5	ug/kg	2.2
Ethylbenzene	ND	5.5	ug/kg	2.2
Hexachlorobutadiene	ND	5.5	ug/kg	2.2
2-Hexanone	ND	27	ug/kg	11
Isopropylbenzene	ND	5.5	ug/kg	2.2
p-Isopropyltoluene	ND	5.5	ug/kg	2.2
Methylene chloride	ND	5.5	ug/kg	2.2
4-Methyl-2-pentanone	ND	27	ug/kg	11
Methyl tert-butyl ether	ND	5.5	ug/kg	1.1
Naphthalene	ND	5.5	ug/kg	2.2
n-Propylbenzene	ND	5.5	ug/kg	2.2
Styrene	ND	11	ug/kg	2.2
1,1,1,2-Tetrachloroethane	ND	5.5	ug/kg	2.2
1,1,2,2-Tetrachloroethane	ND	5.5	ug/kg	2.2
Tetrachloroethene	**13**	**5.5**	**ug/kg**	**2.2**
Toluene	ND	5.5	ug/kg	2.2
1,2,3-Trichlorobenzene	ND	5.5	ug/kg	2.2
1,2,4-Trichlorobenzene	ND	5.5	ug/kg	2.2
1,1,1-Trichloroethane	ND	5.5	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.5	ug/kg	2.2
Trichloroethene	ND	5.5	ug/kg	2.2
Trichlorofluoromethane	ND	11	ug/kg	2.2
1,2,3-Trichloropropane	ND	5.5	ug/kg	2.2
1,1,2-Trichlorotrifluoroethane	ND	5.5	ug/kg	2.2
1,2,4-Trimethylbenzene	ND	5.5	ug/kg	2.2
1,3,5-Trimethylbenzene	ND	5.5	ug/kg	2.2
Vinyl chloride	ND	11	ug/kg	2.2
m-Xylene & p-Xylene	ND	5.5	ug/kg	2.2
o-Xylene	ND	5.5	ug/kg	2.2
Xylenes (total)	ND	5.5	ug/kg	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	81	(60 - 125)
1,2-Dichloroethane-d4	82	(55 - 125)
Toluene-d8	81	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

NGSC-GLU005330

Entact Environmental Services, LLC

Client Sample ID: SB135 (4.5-5)

General Chemistry

Lot-Sample #...: E6F230448-001 **Work Order #...:** H76C4 **Matrix.....:** SO
Date Sampled...: 06/23/06 13:30 **Date Received..:** 06/23/06 16:25
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**14.9**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/26-06/27/06**	**6177495**
		Dilution Factor: 1		Analysis Time..: 13:20	Analyst ID.....: 000064	
		Instrument ID..: W15		MS Run #.....: 6177320	MDL.....:	

NGSC-GLU005331

Entact Environmental Services, LLC

Client Sample ID: SB135 (9.5-10)

GC/MS Volatiles

Lot-Sample #...:	E6F230448-002	**Work Order #...:**	H76C51AA	**Matrix.....:**	SO
Date Sampled...:	06/23/06 13:50	**Date Received..:**	06/23/06 16:25	**MS Run #.....:**	
Prep Date.....:	06/24/06	**Analysis Date..:**	06/29/06		
Prep Batch #...:	6180281	**Analysis Time..:**	04:23		
Dilution Factor:	0.89				
% Moisture.....:	16	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**24 J,B**	**27**	**ug/kg**	**11**
Benzene	ND	5.3	ug/kg	2.1
Bromobenzene	ND	5.3	ug/kg	2.1
Bromochloromethane	ND	5.3	ug/kg	1.1
Bromoform	ND	5.3	ug/kg	2.1
Bromomethane	ND	11	ug/kg	2.1
2-Butanone	ND	27	ug/kg	16
n-Butylbenzene	ND	5.3	ug/kg	2.1
sec-Butylbenzene	ND	5.3	ug/kg	2.1
tert-Butylbenzene	ND	5.3	ug/kg	2.1
Carbon disulfide	ND	5.3	ug/kg	2.1
Carbon tetrachloride	ND	5.3	ug/kg	1.1
Chlorobenzene	ND	5.3	ug/kg	2.1
Dibromochloromethane	ND	5.3	ug/kg	2.1
Bromodichloromethane	ND	5.3	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.1
Chloroform	ND	5.3	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.2
2-Chlorotoluene	ND	5.3	ug/kg	2.1
4-Chlorotoluene	ND	5.3	ug/kg	2.1
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.2
1,2-Dibromoethane (EDB)	ND	5.3	ug/kg	2.1
Dibromomethane	ND	5.3	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,3-Dichlorobenzene	ND	5.3	ug/kg	2.1
1,4-Dichlorobenzene	ND	5.3	ug/kg	2.1
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.3	ug/kg	1.1
1,2-Dichloroethane	ND	5.3	ug/kg	1.1
1,1-Dichloroethene	ND	5.3	ug/kg	2.1
cis-1,2-Dichloroethene	ND	5.3	ug/kg	2.1
trans-1,2-Dichloroethene	ND	5.3	ug/kg	2.1
1,2-Dichloropropane	ND	5.3	ug/kg	1.1
1,3-Dichloropropane	ND	5.3	ug/kg	2.1
2,2-Dichloropropane	ND	5.3	ug/kg	2.1
1,1-Dichloropropene	ND	5.3	ug/kg	1.1

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NGSC-GLU005332

Entact Environmental Services, LLC

Client Sample ID: SB135 (9.5-10)

GC/MS Volatiles

Lot-Sample #...: E6F230448-002 **Work Order #...:** H76C51AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.3	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.3	ug/kg	2.1
Ethylbenzene	ND	5.3	ug/kg	2.1
Hexachlorobutadiene	ND	5.3	ug/kg	2.1
2-Hexanone	ND	27	ug/kg	11
Isopropylbenzene	ND	5.3	ug/kg	2.1
p-Isopropyltoluene	ND	5.3	ug/kg	2.1
Methylene chloride	ND	5.3	ug/kg	2.1
4-Methyl-2-pentanone	ND	27	ug/kg	11
Methyl tert-butyl ether	ND	5.3	ug/kg	1.1
Naphthalene	ND	5.3	ug/kg	2.1
n-Propylbenzene	ND	5.3	ug/kg	2.1
Styrene	ND	11	ug/kg	2.1
1,1,1,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
1,1,2,2-Tetrachloroethane	ND	5.3	ug/kg	2.1
Tetrachloroethene	**4.8 J**	**5.3**	**ug/kg**	**2.1**
Toluene	ND	5.3	ug/kg	2.1
1,2,3-Trichlorobenzene	ND	5.3	ug/kg	2.1
1,2,4-Trichloro-benzene	ND	5.3	ug/kg	2.1
1,1,1-Trichloroethane	ND	5.3	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.3	ug/kg	2.1
Trichloroethene	ND	5.3	ug/kg	2.1
Trichlorofluoromethane	ND	11	ug/kg	2.1
1,2,3-Trichloropropane	ND	5.3	ug/kg	2.1
1,1,2-Trichlorotrifluoro-ethane	ND	5.3	ug/kg	2.1
1,2,4-Trimethylbenzene	ND	5.3	ug/kg	2.1
1,3,5-Trimethylbenzene	ND	5.3	ug/kg	2.1
Vinyl chloride	ND	11	ug/kg	2.1
m-Xylene & p-Xylene	ND	5.3	ug/kg	2.1
o-Xylene	ND	5.3	ug/kg	2.1
Xylenes (total)	ND	5.3	ug/kg	2.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	88	(60 - 125)
1,2-Dichloroethane-d4	81	(55 - 125)
Toluene-d8	86	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

NGSC-GLU005333

Entact Environmental Services, LLC

Client Sample ID: SB135 (9.5-10)

General Chemistry

Lot-Sample #...: E6F230448-002 **Work Order #...:** H76C5 **Matrix.....:** SO
Date Sampled...: 06/23/06 13:50 **Date Received..:** 06/23/06 16:25
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**16.2**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/26-06/27/06**	**6177495**

Dilution Factor: 1 Analysis Time..: 13:20 Analyst ID.....: 0000640
Instrument ID..: W15 MS Run #.....: 6177320 MDL.....:

NGSC-GLU005334

Entact Environmental Services, LLC

Client Sample ID: SB135 (19.5-20)

GC/MS Volatiles

Lot-Sample #...:	E6F230448-003	**Work Order #...:**	H76C61AA	**Matrix.....:**	SO
Date Sampled...:	06/23/06 14:10	**Date Received..:**	06/23/06 16:25	**MS Run #.....:**	
Prep Date.....:	06/24/06	**Analysis Date..:**	06/29/06		
Prep Batch #...:	6180281	**Analysis Time..:**	22:23		
Dilution Factor:	0.86				
% Moisture.....:	11	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**16 J,B**	**24**	**ug/kg**	**9.7**
Benzene	ND	4.8	ug/kg	1.9
Bromobenzene	ND	4.8	ug/kg	1.9
Bromochloromethane	ND	4.8	ug/kg	0.97
Bromoform	ND	4.8	ug/kg	1.9
Bromomethane	ND	9.7	ug/kg	1.9
2-Butanone	ND	24	ug/kg	15
n-Butylbenzene	ND	4.8	ug/kg	1.9
sec-Butylbenzene	ND	4.8	ug/kg	1.9
tert-Butylbenzene	ND	4.8	ug/kg	1.9
Carbon disulfide	ND	4.8	ug/kg	1.9
Carbon tetrachloride	ND	4.8	ug/kg	0.97
Chlorobenzene	ND	4.8	ug/kg	1.9
Dibromochloromethane	ND	4.8	ug/kg	1.9
Bromodichloromethane	ND	4.8	ug/kg	0.97
Chloroethane	ND	9.7	ug/kg	1.9
Chloroform	ND	4.8	ug/kg	0.97
Chloromethane	ND	9.7	ug/kg	2.9
2-Chlorotoluene	ND	4.8	ug/kg	1.9
4-Chlorotoluene	ND	4.8	ug/kg	1.9
1,2-Dibromo-3-chloro-propane	ND	9.7	ug/kg	2.9
1,2-Dibromoethane (EDB)	ND	4.8	ug/kg	1.9
Dibromomethane	ND	4.8	ug/kg	0.97
1,2-Dichlorobenzene	ND	4.8	ug/kg	1.9
1,3-Dichlorobenzene	ND	4.8	ug/kg	1.9
1,4-Dichlorobenzene	ND	4.8	ug/kg	1.9
Dichlorodifluoromethane	ND	9.7	ug/kg	0.97
1,1-Dichloroethane	ND	4.8	ug/kg	0.97
1,2-Dichloroethane	ND	4.8	ug/kg	0.97
1,1-Dichloroethene	ND	4.8	ug/kg	1.9
cis-1,2-Dichloroethene	ND	4.8	ug/kg	1.9
trans-1,2-Dichloroethene	ND	4.8	ug/kg	1.9
1,2-Dichloropropane	ND	4.8	ug/kg	0.97
1,3-Dichloropropane	ND	4.8	ug/kg	1.9
2,2-Dichloropropane	ND	4.8	ug/kg	1.9
1,1-Dichloropropene	ND	4.8	ug/kg	0.97

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NGSC-GLU005335

Entact Environmental Services, LLC

Client Sample ID: SB135 (19.5-20)

GC/MS Volatiles

Lot-Sample #...: E6F230448-003 **Work Order #...:** H76C61AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	4.8	ug/kg	0.97
trans-1,3-Dichloropropene	ND	4.8	ug/kg	1.9
Ethylbenzene	ND	4.8	ug/kg	1.9
Hexachlorobutadiene	ND	4.8	ug/kg	1.9
2-Hexanone	ND	24	ug/kg	9.7
Isopropylbenzene	ND	4.8	ug/kg	1.9
p-Isopropyltoluene	ND	4.8	ug/kg	1.9
Methylene chloride	ND	4.8	ug/kg	1.9
4-Methyl-2-pentanone	ND	24	ug/kg	9.7
Methyl tert-butyl ether	ND	4.8	ug/kg	0.97
Naphthalene	ND	4.8	ug/kg	1.9
n-Propylbenzene	ND	4.8	ug/kg	1.9
Styrene	ND	9.7	ug/kg	1.9
1,1,1,2-Tetrachloroethane	ND	4.8	ug/kg	1.9
1,1,2,2-Tetrachloroethane	ND	4.8	ug/kg	1.9
Tetrachloroethene	ND	4.8	ug/kg	1.9
Toluene	ND	4.8	ug/kg	1.9
1,2,3-Trichlorobenzene	ND	4.8	ug/kg	1.9
1,2,4-Trichloro-benzene	ND	4.8	ug/kg	1.9
1,1,1-Trichloroethane	ND	4.8	ug/kg	0.97
1,1,2-Trichloroethane	ND	4.8	ug/kg	1.9
Trichloroethene	ND	4.8	ug/kg	1.9
Trichlorofluoromethane	ND	9.7	ug/kg	1.9
1,2,3-Trichloropropane	ND	4.8	ug/kg	1.9
1,1,2-Trichlorotrifluoro-ethane	ND	4.8	ug/kg	1.9
1,2,4-Trimethylbenzene	ND	4.8	ug/kg	1.9
1,3,5-Trimethylbenzene	ND	4.8	ug/kg	1.9
Vinyl chloride	ND	9.7	ug/kg	1.9
m-Xylene & p-Xylene	ND	4.8	ug/kg	1.9
o-Xylene	ND	4.8	ug/kg	1.9
Xylenes (total)	ND	4.8	ug/kg	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	88	(60 - 125)
1,2-Dichloroethane-d4	80	(55 - 125)
Toluene-d8	87	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

NGSC-GLU005336

Entact Environmental Services, LLC

Client Sample ID: SB135 (19.5-20)

General Chemistry

Lot-Sample #...: E6F230448-003 Work Order #...: H76C6 Matrix.....: SO
Date Sampled...: 06/23/06 14:10 Date Received..: 06/23/06 16:25
% Moisture.....: 11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	11.2	0.10	%	MCAWW 160.3 MOD	06/26-06/27/06	6177495

Dilution Factor: 1 Analysis Time..: 13:20 Analyst ID.....: 0000640
Instrument ID..: W15 MS Run #.....: 6177320 MDL.....:

NGSC-GLU005337

Entact Environmental Services, LLC

Client Sample ID: SB135 (29.5-30)

GC/MS Volatiles

Lot-Sample #...: E6F230448-004 Work Order #...: H76C71AA Matrix.....: SO
Date Sampled...: 06/23/06 14:18 Date Received..: 06/23/06 16:25 MS Run #.....:
Prep Date.....: 06/24/06 Analysis Date..: 06/29/06
Prep Batch #...: 6180281 Analysis Time..: 05:03
Dilution Factor: 0.93
% Moisture.....: 24 Analyst ID.....: 004648 Instrument ID..: MSO
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**19 J,B**	**31**	**ug/kg**	**12**
Benzene	ND	6.1	ug/kg	2.5
Bromobenzene	ND	6.1	ug/kg	2.5
Bromochloromethane	ND	6.1	ug/kg	1.2
Bromoform	ND	6.1	ug/kg	2.5
Bromomethane	ND	12	ug/kg	2.5
2-Butanone	ND	31	ug/kg	18
n-Butylbenzene	ND	6.1	ug/kg	2.5
sec-Butylbenzene	ND	6.1	ug/kg	2.5
tert-Butylbenzene	ND	6.1	ug/kg	2.5
Carbon disulfide	ND	6.1	ug/kg	2.5
Carbon tetrachloride	ND	6.1	ug/kg	1.2
Chlorobenzene	ND	6.1	ug/kg	2.5
Dibromochloromethane	ND	6.1	ug/kg	2.5
Bromodichloromethane	ND	6.1	ug/kg	1.2
Chloroethane	ND	12	ug/kg	2.5
Chloroform	ND	6.1	ug/kg	1.2
Chloromethane	ND	12	ug/kg	3.7
2-Chlorotoluene	ND	6.1	ug/kg	2.5
4-Chlorotoluene	ND	6.1	ug/kg	2.5
1,2-Dibromo-3-chloro-propane	ND	12	ug/kg	3.7
1,2-Dibromoethane (EDB)	ND	6.1	ug/kg	2.5
Dibromomethane	ND	6.1	ug/kg	1.2
1,2-Dichlorobenzene	ND	6.1	ug/kg	2.5
1,3-Dichlorobenzene	ND	6.1	ug/kg	2.5
1,4-Dichlorobenzene	ND	6.1	ug/kg	2.5
Dichlorodifluoromethane	ND	12	ug/kg	1.2
1,1-Dichloroethane	ND	6.1	ug/kg	1.2
1,2-Dichloroethane	ND	6.1	ug/kg	1.2
1,1-Dichloroethene	ND	6.1	ug/kg	2.5
cis-1,2-Dichloroethene	ND	6.1	ug/kg	2.5
trans-1,2-Dichloroethene	ND	6.1	ug/kg	2.5
1,2-Dichloropropane	ND	6.1	ug/kg	1.2
1,3-Dichloropropane	ND	6.1	ug/kg	2.5
2,2-Dichloropropane	ND	6.1	ug/kg	2.5
1,1-Dichloropropene	ND	6.1	ug/kg	1.2

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NGSC-GLU005338

Entact Environmental Services, LLC

Client Sample ID: SB135 (29.5-30)

GC/MS Volatiles

Lot-Sample #...: E6F230448-004 **Work Order #...:** H76C71AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	6.1	ug/kg	1.2
trans-1,3-Dichloropropene	ND	6.1	ug/kg	2.5
Ethylbenzene	ND	6.1	ug/kg	2.5
Hexachlorobutadiene	ND	6.1	ug/kg	2.5
2-Hexanone	ND	31	ug/kg	12
Isopropylbenzene	ND	6.1	ug/kg	2.5
p-Isopropyltoluene	ND	6.1	ug/kg	2.5
Methylene chloride	ND	6.1	ug/kg	2.5
4-Methyl-2-pentanone	ND	31	ug/kg	12
Methyl tert-butyl ether	ND	6.1	ug/kg	1.2
Naphthalene	ND	6.1	ug/kg	2.5
n-Propylbenzene	ND	6.1	ug/kg	2.5
Styrene	ND	12	ug/kg	2.5
1,1,1,2-Tetrachloroethane	ND	6.1	ug/kg	2.5
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg	2.5
Tetrachloroethene	**65**	**6.1**	**ug/kg**	**2.5**
Toluene	ND	6.1	ug/kg	2.5
1,2,3-Trichlorobenzene	ND	6.1	ug/kg	2.5
1,2,4-Trichloro-benzene	ND	6.1	ug/kg	2.5
1,1,1-Trichloroethane	ND	6.1	ug/kg	1.2
1,1,2-Trichloroethane	ND	6.1	ug/kg	2.5
Trichloroethene	ND	6.1	ug/kg	2.5
Trichlorofluoromethane	ND	12	ug/kg	2.5
1,2,3-Trichloropropane	ND	6.1	ug/kg	2.5
1,1,2-Trichlorotrifluoro-ethane	ND	6.1	ug/kg	2.5
1,2,4-Trimethylbenzene	ND	6.1	ug/kg	2.5
1,3,5-Trimethylbenzene	ND	6.1	ug/kg	2.5
Vinyl chloride	ND	12	ug/kg	2.5
m-Xylene & p-Xylene	ND	6.1	ug/kg	2.5
o-Xylene	ND	6.1	ug/kg	2.5
Xylenes (total)	ND	6.1	ug/kg	2.5

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	88	(60 - 125)
1,2-Dichloroethane-d4	91	(55 - 125)
Toluene-d8	87	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

NGSC-GLU005339

Entact Environmental Services, LLC

Client Sample ID: SB135 (29.5-30)

General Chemistry

Lot-Sample #...: E6F230448-004 Work Order #...: H76C7 Matrix.....: SO
Date Sampled...: 06/23/06 14:18 Date Received..: 06/23/06 16:25
% Moisture.....: 24

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	24.1	0.10	%	MCAWW 160.3 MOD	06/26-06/27/06	6177495

Dilution Factor: 1 Analysis Time..: 13:20 Analyst ID.....: 0000640
Instrument ID..: W15 MS Run #.....: 6177320 MDL.....:

NGSC-GLU005340

Entact Environmental Services, LLC

Client Sample ID: SB135 (39.5-40)

GC/MS Volatiles

Lot-Sample #...:	E6F230448-005	**Work Order #...:**	H76C81AA	**Matrix.....:**	SO
Date Sampled...:	06/23/06 14:50	**Date Received..:**	06/23/06 16:25	**MS Run #.....:**	
Prep Date.....:	06/24/06	**Analysis Date..:**	06/29/06		
Prep Batch #...:	6180281	**Analysis Time..:**	05:24		
Dilution Factor:	0.9				
% Moisture.....:	18	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**20 J,B**	**28**	**ug/kg**	**11**
Benzene	ND	5.5	ug/kg	2.2
Bromobenzene	ND	5.5	ug/kg	2.2
Bromochloromethane	ND	5.5	ug/kg	1.1
Bromoform	ND	5.5	ug/kg	2.2
Bromomethane	ND	11	ug/kg	2.2
2-Butanone	ND	28	ug/kg	17
n-Butylbenzene	ND	5.5	ug/kg	2.2
sec-Butylbenzene	ND	5.5	ug/kg	2.2
tert-Butylbenzene	ND	5.5	ug/kg	2.2
Carbon disulfide	ND	5.5	ug/kg	2.2
Carbon tetrachloride	ND	5.5	ug/kg	1.1
Chlorobenzene	ND	5.5	ug/kg	2.2
Dibromochloromethane	ND	5.5	ug/kg	2.2
Bromodichloromethane	ND	5.5	ug/kg	1.1
Chloroethane	ND	11	ug/kg	2.2
Chloroform	ND	5.5	ug/kg	1.1
Chloromethane	ND	11	ug/kg	3.3
2-Chlorotoluene	ND	5.5	ug/kg	2.2
4-Chlorotoluene	ND	5.5	ug/kg	2.2
1,2-Dibromo-3-chloro-propane	ND	11	ug/kg	3.3
1,2-Dibromoethane (EDB)	ND	5.5	ug/kg	2.2
Dibromomethane	ND	5.5	ug/kg	1.1
1,2-Dichlorobenzene	ND	5.5	ug/kg	2.2
1,3-Dichlorobenzene	ND	5.5	ug/kg	2.2
1,4-Dichlorobenzene	ND	5.5	ug/kg	2.2
Dichlorodifluoromethane	ND	11	ug/kg	1.1
1,1-Dichloroethane	ND	5.5	ug/kg	1.1
1,2-Dichloroethane	ND	5.5	ug/kg	1.1
1,1-Dichloroethene	ND	5.5	ug/kg	2.2
cis-1,2-Dichloroethene	ND	5.5	ug/kg	2.2
trans-1,2-Dichloroethene	ND	5.5	ug/kg	2.2
1,2-Dichloropropane	ND	5.5	ug/kg	1.1
1,3-Dichloropropane	ND	5.5	ug/kg	2.2
2,2-Dichloropropane	ND	5.5	ug/kg	2.2
1,1-Dichloropropene	ND	5.5	ug/kg	1.1

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NGSC-GLU005341

Entact Environmental Services, LLC

Client Sample ID: SB135 (39.5-40)

GC/MS Volatiles

Lot-Sample #...: E6F230448-005 **Work Order #...:** H76C81AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.5	ug/kg	1.1
trans-1,3-Dichloropropene	ND	5.5	ug/kg	2.2
Ethylbenzene	ND	5.5	ug/kg	2.2
Hexachlorobutadiene	ND	5.5	ug/kg	2.2
2-Hexanone	ND	28	ug/kg	11
Isopropylbenzene	ND	5.5	ug/kg	2.2
p-Isopropyltoluene	ND	5.5	ug/kg	2.2
Methylene chloride	ND	5.5	ug/kg	2.2
4-Methyl-2-pentanone	ND	28	ug/kg	11
Methyl tert-butyl ether	ND	5.5	ug/kg	1.1
Naphthalene	ND	5.5	ug/kg	2.2
n-Propylbenzene	ND	5.5	ug/kg	2.2
Styrene	ND	11	ug/kg	2.2
1,1,1,2-Tetrachloroethane	ND	5.5	ug/kg	2.2
1,1,2,2-Tetrachloroethane	ND	5.5	ug/kg	2.2
Tetrachloroethene	**44**	**5.5**	**ug/kg**	**2.2**
Toluene	ND	5.5	ug/kg	2.2
1,2,3-Trichlorobenzene	ND	5.5	ug/kg	2.2
1,2,4-Trichloro-benzene	ND	5.5	ug/kg	2.2
1,1,1-Trichloroethane	ND	5.5	ug/kg	1.1
1,1,2-Trichloroethane	ND	5.5	ug/kg	2.2
Trichloroethene	ND	5.5	ug/kg	2.2
Trichlorofluoromethane	ND	11	ug/kg	2.2
1,2,3-Trichloropropane	ND	5.5	ug/kg	2.2
1,1,2-Trichlorotrifluoro-ethane	ND	5.5	ug/kg	2.2
1,2,4-Trimethylbenzene	ND	5.5	ug/kg	2.2
1,3,5-Trimethylbenzene	ND	5.5	ug/kg	2.2
Vinyl chloride	ND	11	ug/kg	2.2
m-Xylene & p-Xylene	ND	5.5	ug/kg	2.2
o-Xylene	ND	5.5	ug/kg	2.2
Xylenes (total)	ND	5.5	ug/kg	2.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	88	(60 - 125)
1,2-Dichloroethane-d4	84	(55 - 125)
Toluene-d8	85	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

NGSC-GLU005342

Entact Environmental Services, LLC

Client Sample ID: SB135 (39.5-40)

General Chemistry

Lot-Sample #...: E6F230448-005 Work Order #...: H76C8 Matrix.....: SO
Date Sampled...: 06/23/06 14:50 Date Received..: 06/23/06 16:25
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	18.5	0.10	%	MCAWW 160.3 MOD	06/26-06/27/06	6177495

Dilution Factor: 1 Analysis Time..: 13:20 Analyst ID.....: 0000640
Instrument ID..: W15 MS Run #.....: 6177320 MDL.....:

NGSC-GLU005343

Entact Environmental Services, LLC

Client Sample ID: SB135 (49.5-50)

GC/MS Volatiles

Lot-Sample #...:	E6F230448-006	**Work Order #...:**	H76C91AA	**Matrix.....:**	SO
Date Sampled...:	06/23/06 15:20	**Date Received..:**	06/23/06 16:25	**MS Run #.....:**	
Prep Date.....:	06/24/06	**Analysis Date..:**	06/29/06		
Prep Batch #...:	6180281	**Analysis Time..:**	05:44		
Dilution Factor:	1.09				
% Moisture.....:	24	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**35 J,B**	**36**	**ug/kg**	**14**
Benzene	ND	7.2	ug/kg	2.9
Bromobenzene	ND	7.2	ug/kg	2.9
Bromochloromethane	ND	7.2	ug/kg	1.4
Bromoform	ND	7.2	ug/kg	2.9
Bromomethane	ND	14	ug/kg	2.9
2-Butanone	ND	36	ug/kg	22
n-Butylbenzene	ND	7.2	ug/kg	2.9
sec-Butylbenzene	ND	7.2	ug/kg	2.9
tert-Butylbenzene	ND	7.2	ug/kg	2.9
Carbon disulfide	ND	7.2	ug/kg	2.9
Carbon tetrachloride	ND	7.2	ug/kg	1.4
Chlorobenzene	ND	7.2	ug/kg	2.9
Dibromochloromethane	ND	7.2	ug/kg	2.9
Bromodichloromethane	ND	7.2	ug/kg	1.4
Chloroethane	ND	14	ug/kg	2.9
Chloroform	ND	7.2	ug/kg	1.4
Chloromethane	ND	14	ug/kg	4.3
2-Chlorotoluene	ND	7.2	ug/kg	2.9
4-Chlorotoluene	ND	7.2	ug/kg	2.9
1,2-Dibromo-3-chloro-propane	ND	14	ug/kg	4.3
1,2-Dibromoethane (EDB)	ND	7.2	ug/kg	2.9
Dibromomethane	ND	7.2	ug/kg	1.4
1,2-Dichlorobenzene	ND	7.2	ug/kg	2.9
1,3-Dichlorobenzene	ND	7.2	ug/kg	2.9
1,4-Dichlorobenzene	ND	7.2	ug/kg	2.9
Dichlorodifluoromethane	ND	14	ug/kg	1.4
1,1-Dichloroethane	ND	7.2	ug/kg	1.4
1,2-Dichloroethane	ND	7.2	ug/kg	1.4
1,1-Dichloroethene	ND	7.2	ug/kg	2.9
cis-1,2-Dichloroethene	ND	7.2	ug/kg	2.9
trans-1,2-Dichloroethene	ND	7.2	ug/kg	2.9
1,2-Dichloropropane	ND	7.2	ug/kg	1.4
1,3-Dichloropropane	ND	7.2	ug/kg	2.9
2,2-Dichloropropane	ND	7.2	ug/kg	2.9
1,1-Dichloropropene	ND	7.2	ug/kg	1.4

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NGSC-GLU005344

Entact Environmental Services, LLC

Client Sample ID: SB135 (49.5-50)

GC/MS Volatiles

Lot-Sample #...: E6F230448-006 **Work Order #...:** H76C91AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	7.2	ug/kg	1.4
trans-1,3-Dichloropropene	ND	7.2	ug/kg	2.9
Ethylbenzene	ND	7.2	ug/kg	2.9
Hexachlorobutadiene	ND	7.2	ug/kg	2.9
2-Hexanone	ND	36	ug/kg	14
Isopropylbenzene	ND	7.2	ug/kg	2.9
p-Isopropyltoluene	ND	7.2	ug/kg	2.9
Methylene chloride	ND	7.2	ug/kg	2.9
4-Methyl-2-pentanone	ND	36	ug/kg	14
Methyl tert-butyl ether	ND	7.2	ug/kg	1.4
Naphthalene	ND	7.2	ug/kg	2.9
n-Propylbenzene	ND	7.2	ug/kg	2.9
Styrene	ND	14	ug/kg	2.9
1,1,1,2-Tetrachloroethane	ND	7.2	ug/kg	2.9
1,1,2,2-Tetrachloroethane	ND	7.2	ug/kg	2.9
Tetrachloroethene	ND	7.2	ug/kg	2.9
Toluene	ND	7.2	ug/kg	2.9
1,2,3-Trichlorobenzene	ND	7.2	ug/kg	2.9
1,2,4-Trichloro-benzene	ND	7.2	ug/kg	2.9
1,1,1-Trichloroethane	ND	7.2	ug/kg	1.4
1,1,2-Trichloroethane	ND	7.2	ug/kg	2.9
Trichloroethene	ND	7.2	ug/kg	2.9
Trichlorofluoromethane	ND	14	ug/kg	2.9
1,2,3-Trichloropropane	ND	7.2	ug/kg	2.9
1,1,2-Trichlorotrifluoro-ethane	ND	7.2	ug/kg	2.9
1,2,4-Trimethylbenzene	ND	7.2	ug/kg	2.9
1,3,5-Trimethylbenzene	ND	7.2	ug/kg	2.9
Vinyl chloride	ND	14	ug/kg	2.9
m-Xylene & p-Xylene	ND	7.2	ug/kg	2.9
o-Xylene	ND	7.2	ug/kg	2.9
Xylenes (total)	ND	7.2	ug/kg	2.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	88	(60 - 125)
1,2-Dichloroethane-d4	86	(55 - 125)
Toluene-d8	86	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

NGSC-GLU005345

Entact Environmental Services, LLC

Client Sample ID: SB135 (49.5-50)

General Chemistry

Lot-Sample #...: E6F230448-006 Work Order #...: H76C9 Matrix.....: SO
Date Sampled...: 06/23/06 15:20 Date Received..: 06/23/06 16:25
% Moisture.....: 24

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	24.5	0.10	%	MCAWW 160.3 MOD	06/26-06/27/06	6177495

Dilution Factor: 1 Analysis Time..: 13:20 Analyst ID.....: 0000640
Instrument ID..: W15 MS Run #.....: 6177320 MDL.....:

NGSC-GLU005346

Entact Environmental Services, LLC

Client Sample ID: SB135D (49.5-50)

GC/MS Volatiles

Lot-Sample #...:	E6F230448-007	Work Order #...:	H76DA1AA	Matrix.....:	SO
Date Sampled...:	06/23/06 15:25	Date Received..:	06/23/06 16:25	MS Run #.....:	
Prep Date.....:	06/24/06	Analysis Date..:	06/29/06		
Prep Batch #...:	6180281	Analysis Time..:	06:05		
Dilution Factor:	1.11				
% Moisture.....:	4.2	Analyst ID.....:	004648	Instrument ID..:	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**21 J,B**	**29**	**ug/kg**	**12**
Benzene	ND	5.8	ug/kg	2.3
Bromobenzene	ND	5.8	ug/kg	2.3
Bromochloromethane	ND	5.8	ug/kg	1.2
Bromoform	ND	5.8	ug/kg	2.3
Bromomethane	ND	12	ug/kg	2.3
2-Butanone	ND	29	ug/kg	17
n-Butylbenzene	ND	5.8	ug/kg	2.3
sec-Butylbenzene	ND	5.8	ug/kg	2.3
tert-Butylbenzene	ND	5.8	ug/kg	2.3
Carbon disulfide	ND	5.8	ug/kg	2.3
Carbon tetrachloride	ND	5.8	ug/kg	1.2
Chlorobenzene	ND	5.8	ug/kg	2.3
Dibromochloromethane	ND	5.8	ug/kg	2.3
Bromodichloromethane	ND	5.8	ug/kg	1.2
Chloroethane	ND	12	ug/kg	2.3
Chloroform	ND	5.8	ug/kg	1.2
Chloromethane	ND	12	ug/kg	3.5
2-Chlorotoluene	ND	5.8	ug/kg	2.3
4-Chlorotoluene	ND	5.8	ug/kg	2.3
1,2-Dibromo-3-chloro-propane	ND	12	ug/kg	3.5
1,2-Dibromoethane (EDB)	ND	5.8	ug/kg	2.3
Dibromomethane	ND	5.8	ug/kg	1.2
1,2-Dichlorobenzene	ND	5.8	ug/kg	2.3
1,3-Dichlorobenzene	ND	5.8	ug/kg	2.3
1,4-Dichlorobenzene	ND	5.8	ug/kg	2.3
Dichlorodifluoromethane	ND	12	ug/kg	1.2
1,1-Dichloroethane	ND	5.8	ug/kg	1.2
1,2-Dichloroethane	ND	5.8	ug/kg	1.2
1,1-Dichloroethene	ND	5.8	ug/kg	2.3
cis-1,2-Dichloroethene	ND	5.8	ug/kg	2.3
trans-1,2-Dichloroethene	ND	5.8	ug/kg	2.3
1,2-Dichloropropane	ND	5.8	ug/kg	1.2
1,3-Dichloropropane	ND	5.8	ug/kg	2.3
2,2-Dichloropropane	ND	5.8	ug/kg	2.3
1,1-Dichloropropene	ND	5.8	ug/kg	1.2

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Entact Environmental Services, LLC

Client Sample ID: SB135D (49.5-50)

GC/MS Volatiles

Lot-Sample #...: E6F230448-007 **Work Order #...:** H76DA1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	5.8	ug/kg	1.2
trans-1,3-Dichloropropene	ND	5.8	ug/kg	2.3
Ethylbenzene	ND	5.8	ug/kg	2.3
Hexachlorobutadiene	ND	5.8	ug/kg	2.3
2-Hexanone	ND	29	ug/kg	12
Isopropylbenzene	ND	5.8	ug/kg	2.3
p-Isopropyltoluene	ND	5.8	ug/kg	2.3
Methylene chloride	ND	5.8	ug/kg	2.3
4-Methyl-2-pentanone	ND	29	ug/kg	12
Methyl tert-butyl ether	ND	5.8	ug/kg	1.2
Naphthalene	ND	5.8	ug/kg	2.3
n-Propylbenzene	ND	5.8	ug/kg	2.3
Styrene	ND	12	ug/kg	2.3
1,1,1,2-Tetrachloroethane	ND	5.8	ug/kg	2.3
1,1,2,2-Tetrachloroethane	ND	5.8	ug/kg	2.3
Tetrachloroethene	ND	5.8	ug/kg	2.3
Toluene	ND	5.8	ug/kg	2.3
1,2,3-Trichlorobenzene	ND	5.8	ug/kg	2.3
1,2,4-Trichloro-benzene	ND	5.8	ug/kg	2.3
1,1,1-Trichloroethane	ND	5.8	ug/kg	1.2
1,1,2-Trichloroethane	ND	5.8	ug/kg	2.3
Trichloroethene	ND	5.8	ug/kg	2.3
Trichlorofluoromethane	ND	12	ug/kg	2.3
1,2,3-Trichloropropane	ND	5.8	ug/kg	2.3
1,1,2-Trichlorotrifluoro-ethane	ND	5.8	ug/kg	2.3
1,2,4-Trimethylbenzene	ND	5.8	ug/kg	2.3
1,3,5-Trimethylbenzene	ND	5.8	ug/kg	2.3
Vinyl chloride	ND	12	ug/kg	2.3
m-Xylene & p-Xylene	ND	5.8	ug/kg	2.3
o-Xylene	ND	5.8	ug/kg	2.3
Xylenes (total)	ND	5.8	ug/kg	2.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	85	(60 - 125)
1,2-Dichloroethane-d4	85	(55 - 125)
Toluene-d8	86	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

NGSC-GLU005348

Entact Environmental Services, LLC

Client Sample ID: SB135D (49.5-50)

General Chemistry

Lot-Sample #...: E6F230448-007 Work Order #...: H76DA Matrix.....: SO
Date Sampled...: 06/23/06 15:25 Date Received..: 06/23/06 16:25
% Moisture.....: 4.2

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	4.2	0.10	%	MCAWW 160.3 MOD	06/26-06/27/06	6177495

Dilution Factor: 1 Analysis Time..: 13:20 Analyst ID.....: 0000640
Instrument ID..: W15 MS Run #.....: 6177320 MDL.....:

NGSC-GLU005349

Entact Environmental Services, LLC

Client Sample ID: SB135 (59.5-60)

GC/MS Volatiles

Lot-Sample #...:	E6F230448-008	Work Order #...:	H76DC1AA	Matrix.....:	SO
Date Sampled...:	06/23/06 15:38	Date Received..:	06/23/06 16:25	MS Run #.....:	
Prep Date.....:	06/24/06	Analysis Date..:	06/29/06		
Prep Batch #...:	6180281	Analysis Time..:	22:43		
Dilution Factor:	0.8				
% Moisture.....:	18	Analyst ID.....:	004648	Instrument ID..:	MSO
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**18 J,B**	**24**	**ug/kg**	**9.7**
Benzene	ND	4.8	ug/kg	1.9
Bromobenzene	ND	4.8	ug/kg	1.9
Bromochloromethane	ND	4.8	ug/kg	0.97
Bromoform	ND	4.8	ug/kg	1.9
Bromomethane	ND	9.7	ug/kg	1.9
2-Butanone	ND	24	ug/kg	15
n-Butylbenzene	ND	4.8	ug/kg	1.9
sec-Butylbenzene	ND	4.8	ug/kg	1.9
tert-Butylbenzene	ND	4.8	ug/kg	1.9
Carbon disulfide	ND	4.8	ug/kg	1.9
Carbon tetrachloride	ND	4.8	ug/kg	0.97
Chlorobenzene	ND	4.8	ug/kg	1.9
Dibromochloromethane	ND	4.8	ug/kg	1.9
Bromodichloromethane	ND	4.8	ug/kg	0.97
Chloroethane	ND	9.7	ug/kg	1.9
Chloroform	ND	4.8	ug/kg	0.97
Chloromethane	ND	9.7	ug/kg	2.9
2-Chlorotoluene	ND	4.8	ug/kg	1.9
4-Chlorotoluene	ND	4.8	ug/kg	1.9
1,2-Dibromo-3-chloro-propane	ND	9.7	ug/kg	2.9
1,2-Dibromoethane (EDB)	ND	4.8	ug/kg	1.9
Dibromomethane	ND	4.8	ug/kg	0.97
1,2-Dichlorobenzene	ND	4.8	ug/kg	1.9
1,3-Dichlorobenzene	ND	4.8	ug/kg	1.9
1,4-Dichlorobenzene	ND	4.8	ug/kg	1.9
Dichlorodifluoromethane	ND	9.7	ug/kg	0.97
1,1-Dichloroethane	ND	4.8	ug/kg	0.97
1,2-Dichloroethane	ND	4.8	ug/kg	0.97
1,1-Dichloroethene	**2.9 J**	**4.8**	**ug/kg**	**1.9**
cis-1,2-Dichloroethene	ND	4.8	ug/kg	1.9
trans-1,2-Dichloroethene	ND	4.8	ug/kg	1.9
1,2-Dichloropropane	ND	4.8	ug/kg	0.97
1,3-Dichloropropane	ND	4.8	ug/kg	1.9
2,2-Dichloropropane	ND	4.8	ug/kg	1.9
1,1-Dichloropropene	ND	4.8	ug/kg	0.97

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NGSC-GLU005350

Entact Environmental Services, LLC

Client Sample ID: SB135 (59.5-60)

GC/MS Volatiles

Lot-Sample #...: E6F230448-008 **Work Order #...:** H76DC1AA **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	4.8	ug/kg	0.97
trans-1,3-Dichloropropene	ND	4.8	ug/kg	1.9
Ethylbenzene	ND	4.8	ug/kg	1.9
Hexachlorobutadiene	ND	4.8	ug/kg	1.9
2-Hexanone	ND	24	ug/kg	9.7
Isopropylbenzene	ND	4.8	ug/kg	1.9
p-Isopropyltoluene	ND	4.8	ug/kg	1.9
Methylene chloride	ND	4.8	ug/kg	1.9
4-Methyl-2-pentanone	ND	24	ug/kg	9.7
Methyl tert-butyl ether	ND	4.8	ug/kg	0.97
Naphthalene	ND	4.8	ug/kg	1.9
n-Propylbenzene	ND	4.8	ug/kg	1.9
Styrene	ND	9.7	ug/kg	1.9
1,1,1,2-Tetrachloroethane	ND	4.8	ug/kg	1.9
1,1,2,2-Tetrachloroethane	ND	4.8	ug/kg	1.9
Tetrachloroethene	**10**	**4.8**	**ug/kg**	**1.9**
Toluene	ND	4.8	ug/kg	1.9
1,2,3-Trichlorobenzene	ND	4.8	ug/kg	1.9
1,2,4-Trichlorobenzene	ND	4.8	ug/kg	1.9
1,1,1-Trichloroethane	ND	4.8	ug/kg	0.97
1,1,2-Trichloroethane	ND	4.8	ug/kg	1.9
Trichloroethene	**4.2 J**	**4.8**	**ug/kg**	**1.9**
Trichlorofluoromethane	ND	9.7	ug/kg	1.9
1,2,3-Trichloropropane	ND	4.8	ug/kg	1.9
1,1,2-Trichlorotrifluoroethane	ND	4.8	ug/kg	1.9
1,2,4-Trimethylbenzene	ND	4.8	ug/kg	1.9
1,3,5-Trimethylbenzene	ND	4.8	ug/kg	1.9
Vinyl chloride	ND	9.7	ug/kg	1.9
m-Xylene & p-Xylene	ND	4.8	ug/kg	1.9
o-Xylene	ND	4.8	ug/kg	1.9
Xylenes (total)	ND	4.8	ug/kg	1.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	86	(60 - 125)
1,2-Dichloroethane-d4	81	(55 - 125)
Toluene-d8	86	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

NGSC-GLU005351

Entact Environmental Services, LLC

Client Sample ID: SB135 (59.5-60)

General Chemistry

Lot-Sample #...: E6F230448-008 **Work Order #...:** H76DC **Matrix.....:** SO
Date Sampled...: 06/23/06 15:38 **Date Received..:** 06/23/06 16:25
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**17.5**	**0.10**	**%**	**MCAWW 160.3 MOD**	**06/26-06/27/06**	**6177495**

Dilution Factor: 1 Analysis Time..: 13:20 Analyst ID.....: 0000640
Instrument ID..: W15 MS Run #.....: 6177320 MDL.....:

NGSC-GLU005352

SEVERN TRENT STL

QA/QC

NGSC-GLU005353

QC DATA ASSOCIATION SUMMARY

E6F230448

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SO	SW846 8260B		6180281	
	SO	MCAWW 160.3 MOD		6177495	6177320
002	SO	SW846 8260B		6180281	
	SO	MCAWW 160.3 MOD		6177495	6177320
003	SO	SW846 8260B		6180281	
	SO	MCAWW 160.3 MOD		6177495	6177320
004	SO	SW846 8260B		6180281	
	SO	MCAWW 160.3 MOD		6177495	6177320
005	SO	SW846 8260B		6180281	
	SO	MCAWW 160.3 MOD		6177495	6177320
006	SO	SW846 8260B		6180281	
	SO	MCAWW 160.3 MOD		6177495	6177320
007	SO	SW846 8260B		6180281	
	SO	MCAWW 160.3 MOD		6177495	6177320
008	SO	SW846 8260B		6180281	
	SO	MCAWW 160.3 MOD		6177495	6177320

NGSC-GLU005354

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6F230448 **Work Order #...:** H8FP51AA **Matrix.....:** SOLID
MB Lot-Sample #: E6F290000-281

Prep Date.....: 06/24/06 **Analysis Time..:** 03:42
Analysis Date..: 06/29/06 **Prep Batch #...:** 6180281 **Instrument ID..:** M3O
Dilution Factor: 1

Analyst ID.....: 004648

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	**21 J**	**25**	**ug/kg**	**SW846 8260B**
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg	SW846 8260B
Dibromomethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B

(Continued on next page)

NGSC-GLU005355

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6F230448 **Work Order #...:** H8FP51AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
Naphthalene	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	5.0	ug/kg	SW846 8260B
o-Xylene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	82	(60 - 125)
1,2-Dichloroethane-d4	79	(55 - 125)
Toluene-d8	82	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

NGSC-GLU005356

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6F230448 **Work Order #...:** H8FP51AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: E6F290000-281 H8FP51AD-LCSD
Prep Date.....: 06/24/06 **Analysis Date..:** 06/29/06
Prep Batch #...: 6180281 **Analysis Time..:** 03:01
Dilution Factor: 1 **Instrument ID..:** MSO
Analyst ID.....: 004648

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**89**	**(70 - 130)**			**SW846 8260B**
	91	**(70 - 130)**	**2.6**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**91**	**(70 - 130)**			**SW846 8260B**
	96	**(70 - 130)**	**6.0**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethene	**72**	**(50 - 160)**			**SW846 8260B**
	78	**(50 - 160)**	**7.7**	**(0-30)**	**SW846 8260B**
Toluene	**90**	**(70 - 130)**			**SW846 8260B**
	95	**(70 - 130)**	**5.2**	**(0-30)**	**SW846 8260B**
Trichloroethene	**90**	**(70 - 135)**			**SW846 8260B**
	92	**(70 - 135)**	**2.8**	**(0-30)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	80	(60 - 125)
	85	(60 - 125)
1,2-Dichloroethane-d4	78	(55 - 125)
	79	(55 - 125)
Toluene-d8	81	(60 - 125)
	87	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU005357

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6F230448 **Work Order #...:** H8FP51AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: E6F290000-281 H8FP51AD-LCSD
Prep Date.....: 06/24/06 **Analysis Date..:** 06/29/06
Prep Batch #...: 6180281 **Analysis Time..:** 03:01
Dilution Factor: 1 **Instrument ID..:** MSO
Analyst ID.....: 004648

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Benzene	**50.0**	**44.4**	**ug/kg**	**89**		**SW846 8260B**
	50.0	**45.5**	**ug/kg**	**91**	**2.6**	**SW846 8260B**
Chlorobenzene	**50.0**	**45.4**	**ug/kg**	**91**		**SW846 8260B**
	50.0	**48.2**	**ug/kg**	**96**	**6.0**	**SW846 8260B**
1,1-Dichloroethene	**50.0**	**36.2**	**ug/kg**	**72**		**SW846 8260B**
	50.0	**39.1**	**ug/kg**	**78**	**7.7**	**SW846 8260B**
Toluene	**50.0**	**44.9**	**ug/kg**	**90**		**SW846 8260B**
	50.0	**47.4**	**ug/kg**	**95**	**5.2**	**SW846 8260B**
Trichloroethene	**50.0**	**44.8**	**ug/kg**	**90**		**SW846 8260B**
	50.0	**46.1**	**ug/kg**	**92**	**2.8**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	80	(60 - 125)
	85	(60 - 125)
1,2-Dichloroethane-d4	78	(55 - 125)
	79	(55 - 125)
Toluene-d8	81	(60 - 125)
	87	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU005358

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: E6F230448 **Work Order #...:** H7M13-SMP H7M13-DUP **Matrix.....:** SOLID

Date Sampled...: 06/16/06 15:45 **Date Received..:** 06/17/06 09:35

% Moisture.....: 12

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	E6F170156-040	
	11.9	13.4	%	12	(0-10)	MCAWW 160.3 MOD	06/26-06/27/06	6177495

Dilution Factor: 1 Analysis Time..: 13:20 Analyst ID.....: 000064

Instrument ID..: W15 MS Run Number..: 6177320

NGSC-GLU005359

JOHNSON CONTROLS

Appendix D

Laboratory Results for Geotechnical Samples

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

April 28, 2006

STL LOT NUMBER: E6C310361
NELAP Certification Number: 01118CA/E87652

Jennifer Alexander
Entact Environmental Services,
3129 Bass Pro Drive
Grapevine, TX 76051

Dear Ms. Alexander,

This report contains the analytical results for the three samples received under chain of custody by STL Los Angeles on March 31, 2006. These samples are associated with your Johnson Controls, Fullerton CA project.

See Project Receipt Checklist for container temperature and conditions. Temperature reading between 2 to 6 degrees Celsius is considered within acceptable criteria. Any matrix related anomaly is footnoted within the report.

The geotechnical tests were performed by PTS Laboratories. Please see attached report for any related anomalies.

STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. The case narrative is an integral part of the report. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at (714) 258-8610 extension 325.

Sincerely,

Diane Suzuki
Project Manager

CC: Project File

Page 1 of 000013 total pages in this report.

B6D310361

CHAIN OF CUSTODY RECORD

EGC310361

SAMPLE TYPE:
- ☐ Treated Stockpile
- ☐ Untreated Stockpile
- ☐ Excavation Verification
- ☐ Air
- ☐ Groundwater
- ☒ Other SOIL

ENTACT

☐ **CHICAGO OFFICE**
1010 EXECUTIVE COURT
SUITE 280
WESTMONT, IL 60559
630.986.2900
630.986.0653 f

☐ **DALLAS OFFICE**
4040 WEST ROYAL LANE
SUITE 136
IRVING, TX 75063
972.580.1323
972.550.7464 f

"Safety keeps you ENTACT"

PROJECT INFORMATION

NAME ENTACT - JCI FULLERTON
JOB NUMBER C1613
LOCATION FULLERTON, CA
PHONE 972.580.1323
CONTACT JENNIFER ALEXANDER
EMAIL

REQUIRED TURNAROUND
- ☒ Standard
- ☐ 5 Day
- ☐ 3 Day
- ☐ 48 Hour
- ☐ 24 Hour

DETECTION LIMIT CRITERIA

NUMBER	DESCRIPTION	DATE	TIME	MATRIX	GRAB	COMPOSITE	HCL	HNO3		NONE	ICE				NUMBER OF CONTAINERS SUPPLIED FOR EACH SAMPLE	BULK DENSITY API RP40	GRAIN DENSITY API RP40	TOTAL POROSITY	EFFECTIVE POROSITY API RP40	VOL. WTR CONTENT ASTM 2216	TOC WALKLEY-BLACK	GRAIN SIZE, DRY ASTM D422	INTRINSIC PERM. API RP40			FILTERED Y / N FIELD / LAB — MICRON FILTER	COMMENTS
	SB128/30-32	3.30.06	8:00	S	✓						✓				2	✓	✓	✓	✓	✓	✓	✓	✓				2, 12" CORES
	SB128/50-52		9:00	S	✓						✓				2												2, 12" CORES
	SB128/58-59		13:00	S	✓						✓				2				✓				✓				2, 6" CORES
	SB128/69-70		13:45	S	✓						✓				2	✓				✓	✓						2, 4oz JARS
	SB128/79-80		13:45	S	✓						✓				1												1, 6" CORE
	SB130/4.[illegible]-5		15:30	S	✓						✓				1												1, 16oz JAR
	SB130/30-32		16:10	S	✓						✓				2												2, 12" CORES
	SB130/49-50		17:15	S	✓						✓				3												1, 6" CORE / 2, 4oz JARS
	SB130/59-60		17:30	S	✓						✓				1												1, 6" CORE
	SB130/69-70		18:10	S	✓						✓				1												1, 6" CORE

SHIPPING METHOD:
AIRBILL NO:
SAMPLER:
LAB NAME:
LAB JOB ID:
TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	DATE	RECEIVED BY	DATE	RELINQUISHED BY	DATE
SIGNATURE: Greg Rainwater	3.31.06	SIGNATURE: Vince Padilla	3/31/06	SIGNATURE:	
PRINTED NAME: GREG RAINWATER	TIME 6:00	PRINTED NAME: Vince Padilla	TIME 1145	PRINTED NAME:	TIME
RECEIVED BY	DATE	RECEIVED BY	DATE	RECEIVED BY	DATE
SIGNATURE: Vince Padilla	3/31/06	SIGNATURE: Steve Gonzales	3/31/06	SIGNATURE:	
PRINTED NAME: Vince Padilla	TIME 1130	PRINTED NAME: Steve Gonzales	TIME 1130	PRINTED NAME:	TIME

MEDIA: S - Soil W - Water A - Air DISTRIBUTION: White Copy - To Customer w/Report Pink Copy - To Job File Yellow Copy - To Lab

2

NGSC-GLU005362

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 3/31/06

Single Cooler Only

LIMS Lot #: E6C310361 Quote #: 68557

Client Name: ENTACT Project: NCI Fullerton

Received by: SG Date/Time Received: 3/31/06 1130

Delivered by : ☐ Client ☒ STL ☐ DHL ☐ Fed Ex ☐ UPS ☐ Other

****

	Initial / Date
Custody Seal Status Cooler: ☐Intact ☐Broken ☒None	SG 3/31/06
Custody Seal Status Samples: ☐Intact ☐Broken ☒None	
Custody Seal #(s): N/A ☒No Seal #	
Sampler Signature on COC ☐ Yes ☐No ☒N/A	
IR Gun # A Correction Factor -.5 °C IR passed daily verification ☒Yes ☐No	
Temperature - BLANK 2.5 °C - .5 CF = 2.0 °C ...Cooler #1 ID UP	3/31/06
Temperature – COOLER (°C °C °C °C) = avg °C - .5 CF = °C	SG 3/31/06
Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒N/A	
Sample Container(s): ☐ STL-LA ☒Client	
pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒N/A	
Anomalies: ☒No ☐Yes – complete CUR and Create NCM	
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ Yes ☐ No	
Labeled by: SG	

****

Turn Around Time: ☐RUSH–24HR ☐RUSH–48HR ☐RUSH–72HR ☒NORMAL	SG 3/31/06

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐YES ☒N/A SG 3/31/06

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

LIMS Lot # E6C310361

PROJECT RECEIPT CHECKLIST Cont'd

Fraction	1-3	4	5	6	7	8	9-10							
VOAH														
SL	2				2	2	1							
2oz CGJ		2	1			1								
8oz CGJ				1										

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore
AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☐ YES ☒ N/A [signature] 3/31/06

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **CUSTODY SEALS (COOLER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CONTAINER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☐ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other ☐ COC not received – notify PM
- **CONTAINERS**
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
  - ☐ Will be noted on COC—Client to send samples with new COC
  - ☐ Mislabeled as to tests, preservatives, etc.
  - ☐ Holding time expired – list sample ID and test
  - ☐ Improper container used
  - ☐ Not preserved/Improper preservative used
  - ☐ Improper pH _____ Lab to preserve sample and document
  - ☐ Insufficient quantities for analysis ☐ Other

Comments:

☐ Corrective Action Implemented:
☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____
☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: Logged in by other STL ☐ [signature] 3-31-06

PM Review/Date: [signature] 3/31/06

E6D310361

NGSC-GLU005364

ENTACT Services, LLC
3129 Bass Pro Drive
Grapevine, TX 76051
p. 972.580.1323
f. 972.550.7464

ENTACT

MEMORANDUM

TO: Diane Suzuki, *dsuzuki@stl-inc.com*

FROM: Greg Rainwater

DATE: April 6, 2006

RE: **Additional Soil Analysis**
JCI Fullerton, CA Project

Please analyze the following soil samples that were collected for March 30, 2006 for VOCs per EPA Method 8260B:

SB128 / 4.5-5
SB128 / 9.5-10
SB128 / 19.5-20
SB128 / 29.5-30
SB128 / 39.5-40
SB128 / 49.5-50

SB129 / 29.5-30
SB129 / 39.5-40
SB129 / 49.5-50

In addition, please analyze the following sample for Grain Size Distribution (dry) per ASTM D422:

SB129 / 5-6
SB130 / 69-70

NGSC-GLU005365

SEVERN TRENT STL

Subcontract Reports

NGSC-GLU005366

PTS Laboratories
ENVIRONMENTAL SERVICES

April 21, 2006

Ms. Diane Suzuki
Severn Trent Laboratories
1721 Grand Ave.
Santa Ana, CA 92705

Re: E6C310361
PTS File: 36224

Dear Ms. Suzuki:

Enclosed are final data for samples submitted from your Project # E6C310361. Electronic versions of the data have been previously sent to your attention. All analyses were performed by applicable ASTM, EPA or API methodology. The samples are currently in storage and will be held for thirty days before disposal.

We appreciate the opportunity to be of service and trust these data will prove beneficial in the development of this project. Please call me at (562) 907-3607 with any questions or if you require additional information.

Sincerely,
PTS Laboratories, Inc.

Larry Kunkel
District Manager

LAK:vk

Encl.

8100 Secura Way – Santa Fe Springs, CA 90670
Phone 562.907.3607 Fax 562.907.3610
www.ptsgeolabs.com

E6D310361

PTS Laboratories

STL, Inc.
PTS File No: 36224

PHYSICAL PROPERTIES DATA

PROJECT NAME: N/A
PROJECT NO: E6C310361

METHODOLOGY:			ASTM D2216		API RP40		API RP40		ASTM D425M	WALKLEY-BLACK	API RP40
											25.0 PSI CONFINING STRESS
SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENT. (1)	MOISTURE CONTENT (%, dry weight)	MOISTURE CONTENT (cm^3/cm^3)	DENSITY BULK (g/cc)	DENSITY GRAIN (g/cc)	POROSITY, %Vb (2) TOTAL	POROSITY, %Vb (2) AIR FILLED	POROSITY, %Vb (2) EFFECTIVE	TOTAL ORGANIC CARBON mg/kg	NATIVE STATE EFFECTIVE PERMEABILITY TO AIR (3) (millidarcy)
SB128/30-32	N/A	V	25.2	0.379	1.51	2.70	44.2	6.3	10.7	1250	0.545
SB128/58-59	N/A	V	--	--	--	--	--	--	6.2	--	0.437
SB128/69-70	N/A	V	18.0	0.320	1.78	--	--	--	--	340	--

(1) Sample Orientation: H = horizontal; V = vertical (2) Total Porosity = no pore fluids in place; all interconnected pore channels; Air Filled = pore channels not occupied by pore fluids (3) Native State = As received with pore fluids in place Vb = Bulk Volume, cc

PTS Laboratories, Inc.

STL, Inc.
PTS File No: 36224

PARTICLE SIZE SUMMARY
(METHODOLOGY: ASTM D422/D4464M)

ROJECT NAME: N/A
ROJECT NO: E6C310361

Sample ID	Depth, ft.	Mean Grain Size Description (1)	Median Grain Size mm	Particle Size Distribution, wt. percent						Silt & Clay
				Gravel	Sand Size			Silt	Clay	
					Coarse	Medium	Fine			
SB128/69-70	N/A	Silt	0.018	0.00	0.00	0.00	14.68	61.76	23.56	85.32

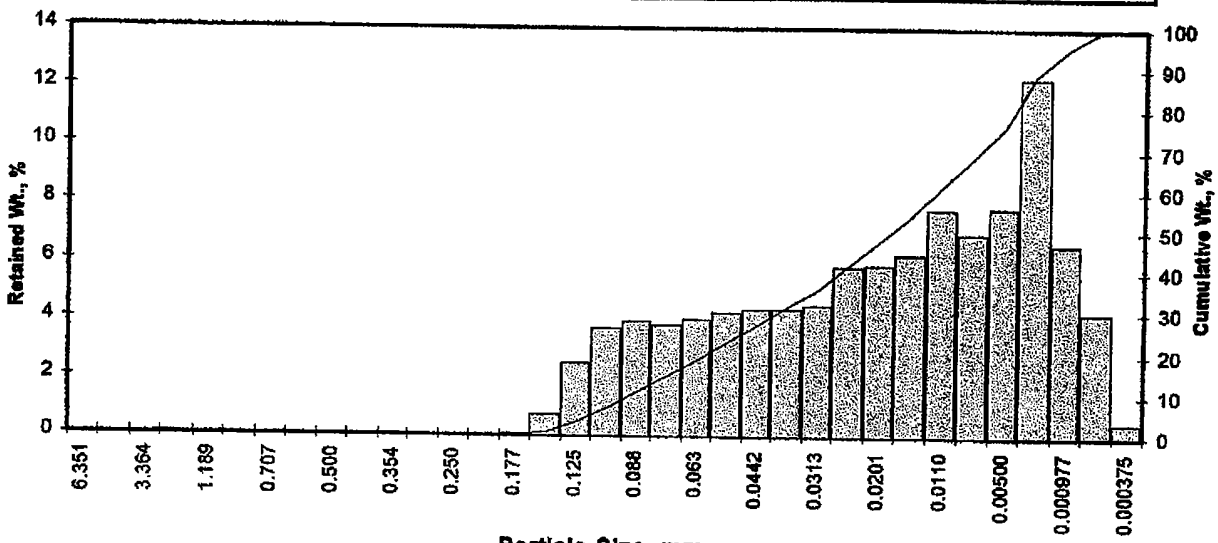
(1) Based on Mean from Trask

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	STL, Inc.	**PTS File No:**	36224
Project:	N/A	**Sample ID:**	SB128/69-70
Project No:	E6C310361	**Depth, ft:**	N/A

Grv	Sand Size			Silt	Clay
	crs	medium	fine		



Opening Inches	Opening Millimeters	Phi of Screen	U.S. No.	Sample Weight, grams	Increment Weight, percent	Cumulative Weight, percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.00	0.00	0.00
0.0234	0.595	0.75	30	0.00	0.00	0.00
0.0197	0.500	1.00	35	0.00	0.00	0.00
0.0166	0.420	1.25	40	0.00	0.00	0.00
0.0139	0.354	1.50	45	0.00	0.00	0.00
0.0117	0.297	1.75	50	0.00	0.00	0.00
0.0098	0.250	2.00	60	0.00	0.00	0.00
0.0083	0.210	2.25	70	0.00	0.00	0.00
0.0070	0.177	2.50	80	0.04	0.04	0.04
0.0059	0.149	2.75	100	0.74	0.74	0.78
0.0049	0.125	3.00	120	2.46	2.46	3.24
0.0041	0.105	3.25	140	3.71	3.71	6.95
0.0035	0.088	3.50	170	3.90	3.90	10.85
0.0029	0.074	3.75	200	3.83	3.83	14.68
0.0025	0.063	4.00	230	3.97	3.97	18.65
0.0021	0.053	4.25	270	4.20	4.20	22.85
0.00174	0.0442	4.50	325	4.32	4.32	27.17
0.00146	0.0372	4.75	400	4.37	4.37	31.54
0.00123	0.0313	5.00	450	4.44	4.44	35.98
0.000986	0.0250	5.32	500	5.82	5.82	41.80
0.000790	0.0201	5.64	635	5.87	5.87	47.67
0.000615	0.0156	6.00		6.20	6.20	53.88
0.000435	0.0110	6.50		7.78	7.78	61.66
0.000308	0.00781	7.00		6.94	6.94	68.60
0.000197	0.00500	7.65		7.84	7.84	76.44
0.000077	0.00195	9.00		12.30	12.30	88.74
0.000038	0.000977	10.00		6.55	6.55	95.29
0.000019	0.000488	11.00		4.24	4.24	99.53
0.000015	0.000375	11.38		0.47	0.47	100.00
TOTALS				100.00	100.00	100.00

Cumulative Weight Percent greater than			
Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	3.12	0.0045	0.115
10	3.45	0.0036	0.092
16	3.83	0.0028	0.070
25	4.37	0.0019	0.048
40	5.22	0.0011	0.027
50	5.78	0.0007	0.018
60	6.39	0.0005	0.012
75	7.53	0.0002	0.005
84	8.46	0.0001	0.003
90	9.19	0.0001	0.002
95	9.96	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.78	5.78	5.78
Median, in.	0.0007	0.0007	0.0007
Median, mm	0.018	0.018	0.018
Mean, phi	5.22	6.16	6.03
Mean, in.	0.0011	0.0006	0.0006
Mean, mm	0.027	0.014	0.015
Sorting	2.982	2.322	2.197
Skewness	0.885	0.164	0.193
Kurtosis	0.238	0.472	0.889
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	0.00
Fine Sand	200	14.68
Silt	>0.005 mm	61.76
Clay	<0.005 mm	23.56
	Total	100

E6D310361

NGSC-GLU005370

PTS Laboratories
ENVIRONMENTAL SERVICES

April 19, 2006

Ms. Diane Suzuki
STL Inc.
1721 Grand Ave.
Santa Ana, CA 92705

Re: E6C31031
PTS File: 36230

Dear Ms. Suzuki:

Enclosed are final data for samples submitted from your Project # E6C31031. Electronic versions of the data have been previously sent to your attention. All analyses were performed by applicable ASTM, EPA or API methodology. The samples are currently in storage and will be held for thirty days before disposal.

We appreciate the opportunity to be of service and trust these data will prove beneficial in the development of this project. Please call me at (562) 907-3607 with any questions or if you require additional information.

Sincerely,
PTS Laboratories, Inc.

Larry Kunkel
District Manager

LAK:vk

Encl.

8100 Secura Way – Santa Fe Springs, CA 90670
Phone 562.907.3607 Fax 562.907.3610
www.ptsgeolabs.com

PTS Laboratories, Inc.

STL, Los Angeles
PTS File No: 36230

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D422/D4464M)

PROJECT NAME: E6C310361
PROJECT NO: N/A

Sample ID	Depth, ft.	Mean Grain Size Description (1)	Median Grain Size mm	Particle Size Distribution, wt. percent						Silt & Clay
				Gravel	Sand Size			Silt	Clay	
					Coarse	Medium	Fine			
SB130-69-70	N/A	Fine sand	0.271	0.00	0.00	28.38	50.60	15.15	5.87	21.02

(1) Based on Mean from Trask

12

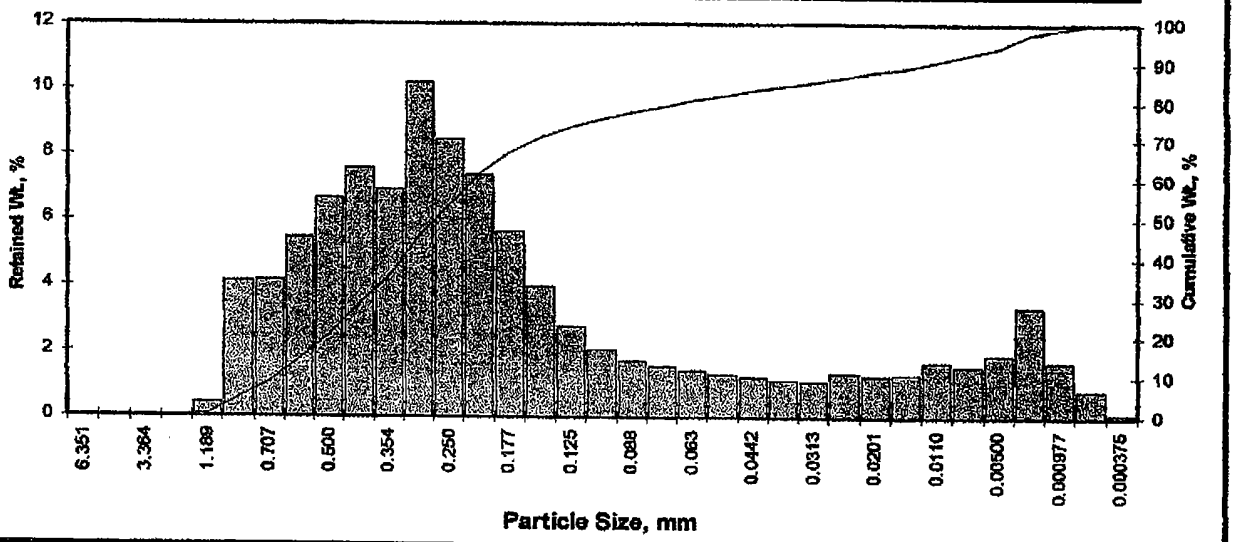
E6D310361

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	STL, Los Angeles	**PTS File No:**	36230
Project:	E6C310361	**Sample ID:**	SB130-69-70
Project No:	N/A	**Depth, ft:**	N/A

Grv	Sand Size			Silt	Clay
	crs	medium	fine		



Opening Inches	Opening Millimeters	Phi of Screen	U.S. No.	Sample Weight, grams	Increment Weight, percent	Cumulative Weight, percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.42	0.42	0.42
0.0331	0.841	0.25	20	4.12	4.12	4.54
0.0278	0.707	0.50	25	4.15	4.15	8.69
0.0234	0.595	0.75	30	5.47	5.47	14.16
0.0197	0.500	1.00	35	6.65	6.65	20.81
0.0166	0.420	1.25	40	7.58	7.58	28.38
0.0139	0.354	1.50	45	6.92	6.92	35.30
0.0117	0.297	1.75	50	10.20	10.20	45.50
0.0098	0.250	2.00	60	8.48	8.48	53.98
0.0083	0.210	2.25	70	7.39	7.39	61.37
0.0070	0.177	2.50	80	5.64	5.64	67.01
0.0059	0.149	2.75	100	3.96	3.96	70.97
0.0049	0.125	3.00	120	2.74	2.74	73.71
0.0041	0.105	3.25	140	2.05	2.05	75.76
0.0035	0.088	3.50	170	1.70	1.70	77.46
0.0029	0.074	3.75	200	1.53	1.53	78.98
0.0025	0.063	4.00	230	1.41	1.41	80.39
0.0021	0.053	4.25	270	1.30	1.30	81.69
0.00174	0.0442	4.50	325	1.21	1.21	82.90
0.00146	0.0372	4.75	400	1.14	1.14	84.04
0.00123	0.0313	5.00	450	1.09	1.09	85.13
0.000986	0.0250	5.32	500	1.34	1.34	86.47
0.000790	0.0201	5.64	635	1.27	1.27	87.74
0.000615	0.0156	6.00		1.30	1.30	89.04
0.000435	0.0110	6.50		1.65	1.65	90.69
0.000308	0.00781	7.00		1.55	1.55	92.24
0.000197	0.00500	7.65		1.89	1.89	94.13
0.000077	0.00195	9.00		3.33	3.33	97.46
0.000038	0.000977	10.00		1.65	1.65	99.11
0.000019	0.000488	11.00		0.81	0.81	99.92
0.000015	0.000375	11.38		0.08	0.08	100.00
TOTALS				100.00	100.00	100.00

Cumulative Weight Percent greater than			
Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	0.28	0.0325	0.825
10	0.56	0.0267	0.678
16	0.82	0.0223	0.567
25	1.14	0.0179	0.454
40	1.62	0.0129	0.326
50	1.88	0.0107	0.271
60	2.20	0.0085	0.217
75	3.16	0.0044	0.112
84	4.74	0.0015	0.037
90	6.29	0.0005	0.013
95	8.00	0.0002	0.004

Measure	Trask	Inman	Folk-Ward
Median, phi	1.88	1.88	1.88
Median, in.	0.0107	0.0107	0.0107
Median, mm	0.271	0.271	0.271
Mean, phi	1.82	2.78	2.48
Mean, in.	0.0111	0.0057	0.0071
Mean, mm	0.283	0.146	0.179
Sorting	2.014	1.961	2.150
Skewness	0.832	0.458	0.521
Kurtosis	0.257	0.969	1.567
Grain Size Description (ASTM-USCS Scale)		Fine sand (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	28.38
Fine Sand	200	50.60
Silt	>0.005 mm	15.15
Clay	<0.005 mm	5.87
	Total	100

© PTS Laboratories, Inc.

Phone: (562) 907-3607 Fax: (562) 907-3610

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

April 28, 2006

STL LOT NUMBER: E6C310353
NELAP Certification Number: 01118CA/E87652

Jennifer Alexander
Entact Environmental Services,
3129 Bass Pro Drive
Grapevine, TX 76051

Dear Ms. Alexander,

This report contains the analytical results for the three samples received under chain of custody by STL Los Angeles on March 31, 2006. These samples are associated with your Johnson Controls, Fullerton CA project.

See Project Receipt Checklist for container temperature and conditions. Temperature reading between 2 to 6 degrees Celsius is considered within acceptable criteria. Any matrix related anomaly is footnoted within the report.

The geotechnical tests were performed by PTS Laboratories. Please see attached report for any related anomalies.

STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. The case narrative is an integral part of the report. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at (714) 258-8610 extension 325.

Sincerely,

Diane Suzuki
Project Manager

CC: Project File

Page 1 of 000010 total pages in this report.

E6C310353

CHAIN OF CUSTODY RECORD

E6C310353

SAMPLE TYPE:
- ☐ Treated Stockpile
- ☐ Untreated Stockpile
- ☐ Excavation Verification
- ☐ Air _____
- ☐ Groundwater
- ☒ Other Soil

ENTACT

☐ **CHICAGO OFFICE**
1010 EXECUTIVE COURT
SUITE 280
WESTMONT, IL 60559
630.986.2800
630.986.0653 f

☑ **DALLAS OFFICE**
4040 WEST ROYAL LANE
SUITE 136
IRVING, TX 75063
972.580.1323
972.550.7464 f

"Safety keeps you ENTACT"

PROJECT INFORMATION

NAME: ENTACT - JCI FULLERTON
JOB NUMBER: C1613
LOCATION: FULLERTON, CA
PHONE: 972.580.1323
CONTACT: JENNIFER ALEXANDER
EMAIL:

REQUIRED TURNAROUND
- ☒ Standard
- ☐ 5 Day
- ☐ 3 Day
- ☐ 48 Hour
- ☐ 24 Hour

DETECTION LIMIT CRITERIA

SAMPLE NUMBER	SAMPLE DESCRIPTION	DATE	TIME	TYPE: MATRIX	TYPE: GRAB	TYPE: COMPOSITE	PRESERVATIVE: HCL	PRESERVATIVE: HNO3	PRESERVATIVE: NONE	PRESERVATIVE: ICE	AIR: LAB PRESSURE	AIR: SHUTTER SPEED	AIR: VOLUME	NUMBER OF CONTAINERS SUPPLIED FOR EACH SAMPLE	ANALYSES / METHOD: POROSITY, TOTAL, WATER, AIR	FILTERED Y / N FIELD / LAB ___ MICRON FILTER	COMMENTS
	SB129 / 5-6	3-30-06	10:25	S	✓					✓				1	✓		1, 12" CORE

SHIPPING METHOD:
AIRBILL NO:
SAMPLER:
LAB NAME:

RELINQUISHED BY	DATE	RELINQUISHED BY	DATE	RELINQUISHED BY	DATE
SIGNATURE: [signature]	3-31-06	SIGNATURE: [signature]	3/31/06	SIGNATURE:	
PRINTED NAME: BRET RAINWATER	TIME 6:00	PRINTED NAME: Vince Padilla	TIME 1145	PRINTED NAME:	TIME
RECEIVED BY	**DATE**	**RECEIVED BY**	**DATE**	**RECEIVED BY**	**DATE**
SIGNATURE: [signature]	3/31/06	SIGNATURE: [signature]	3/31/06	SIGNATURE:	
PRINTED NAME: Vince Padilla	TIME 1130	PRINTED NAME: Stan Gonzales	TIME 1130	PRINTED NAME:	TIME

LAB USE ID:
TEMPERATURE UPON RECEIPT:

MEDIA: S - Soil W - Water A - Air DISTRIBUTION: White Copy - To Customer w/Report Pink Copy - To Job File Yellow Copy - To Lab

2

NGSC-GLU005375

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 3/31/06

Single Cooler Only

LIMS Lot #: E6C310353 Quote #: 68553

Client Name: Entact Project: JCI Fullerton

Received by: SG Date/Time Received: 3/31/06 1130

Delivered by : ☐ Client ☒ STL ☐ DHL ☐ Fed Ex ☐ UPS ☐ Other

****

	Initial / Date
Custody Seal Status Cooler: ☐Intact ☐Broken ☒None	SG 3/31/06
Custody Seal Status Samples: ☐Intact ☐Broken ☒None	
Custody Seal #(s): N/A ☒No Seal #	
Sampler Signature on COC ☐ Yes ☐No ☒N/A	
IR Gun # A Correction Factor -.5 °C IR passed daily verification ☒Yes ☐No	
Temperature - BLANK 2.5 °C - .5 CF = 2.0 °C Cooler #1 ID N/A	
Temperature – COOLER (___°C ___°C ___°C ___°C) = ___ avg °C - .5 CF = ___ °C	
Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒N/A	
Sample Container(s): ☐ STL-LA ☒ Client	
pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒N/A	
Anomalies: ☒No ☐Yes – complete CUR and Create NCM	

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ Yes ☐ No

Labeled by: SG

****

Turn Around Time: ☐RUSH–24HR ☐RUSH–48HR ☐RUSH–72HR ☒NORMAL SG 3/31/06

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐YES ☒N/A SG 3/31/06

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

NGSC-GLU005376

LIMS Lot # E6C310353

PROJECT RECEIPT CHECKLIST Cont'd

Fraction														
AH														
	1													

3/31/06

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore
AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☐YES ☒N/A 3/31/06

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☐ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- **CONTAINERS**
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
- **CUSTODY SEALS (COOLER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CONTAINER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other ☐ COC not received – notify PM
- **LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- ☐ Will be noted on COC--Client to send samples with new COC
- ☐ Mislabeled as to tests, preservatives, etc.
- ☐ Holding time expired – list sample ID and test
- ☐ Improper container used
- ☐ Not preserved/Improper preservative used
- ☐ Improper pH _____ Lab to preserve sample and document
- ☐ Insufficient quantities for analysis ☐ Other

Comments:

☐ Corrective Action Implemented:

☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____

☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: Logged in by other STL ☐ _____ Albert Vargas 3-31-06

PM Review/Date: MWC 3/31/06

ENTACT Services, LLC
3129 Bass Pro Drive
Grapevine, TX 76051
p. 972.580.1323
f. 972.550.7464

ENTACT

MEMORANDUM

TO: Diane Suzuki, *dsuzuki@stl-inc.com*

FROM: Greg Rainwater

DATE: April 6, 2006

RE: **Additional Soil Analysis**
JCI Fullerton, CA Project

Please analyze the following soil samples that were collected for March 30, 2006 for VOCs per EPA Method 8260B:

SB128 / 4.5-5
SB128 / 9.5-10
SB128 / 19.5-20
SB128 / 29.5-30
SB128 / 39.5-40
SB128 / 49.5-50

SB129 / 29.5-30
SB129 / 39.5-40
SB129 / 49.5-50

In addition, please analyze the following sample for Grain Size Distribution (dry) per ASTM D422:

SB129 / 5-6
SB130 / 69-70

SEVERN TRENT STL

Subcontract Reports

NGSC-GLU005379

PTS Laboratories
ENVIRONMENTAL SERVICES

April 21, 2006

Ms. Diane Suzuki
Severn Trent Laboratories
1721 Grand Ave.
Santa Ana, CA 92705

Re: E6C310353
PTS File: 36223

Dear Ms. Suzuki:

Enclosed are final data for samples submitted from your Project # E6C310353. Electronic versions of the data have been previously sent to your attention. All analyses were performed by applicable ASTM, EPA or API methodology. The samples are currently in storage and will be held for thirty days before disposal.

We appreciate the opportunity to be of service and trust these data will prove beneficial in the development of this project. Please call me at (562) 907-3607 with any questions or if you require additional information.

Sincerely,
PTS Laboratories, Inc.

Larry Kunkel

Larry Kunkel
District Manager

LAK:vk

Encl.

8100 Secura Way – Santa Fe Springs, CA 90670
Phone 562.907.3607 Fax 562.907.3610
www.ptsgeolabs.com

NGSC-GLU005380

PHYSICAL PROPERTIES DATA

PROJECT NAME: N/A
PROJECT NO: E6C310353

METHODOLOGY: API RP40

SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENT. (1)	POROSITY, %Vb (2)		
			TOTAL	AIR FILLED	WATER FILLED
SB129/5-6	N/A	V	50.7	8.3	42.4

(1) Sample Orientation: H = horizontal; V = vertical (2) Total Porosity = no pore fluids in place; all interconnected pore channels; Air Filled = pore channels not occupied by pore fluids Vb = Bulk Volume, cc

E6C310353

PTS Laboratories, Inc.

STL, Inc
PTS File No: 36223

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D422/D4464M)

PROJECT NAME: E6C310353
PROJECT NO: N/A

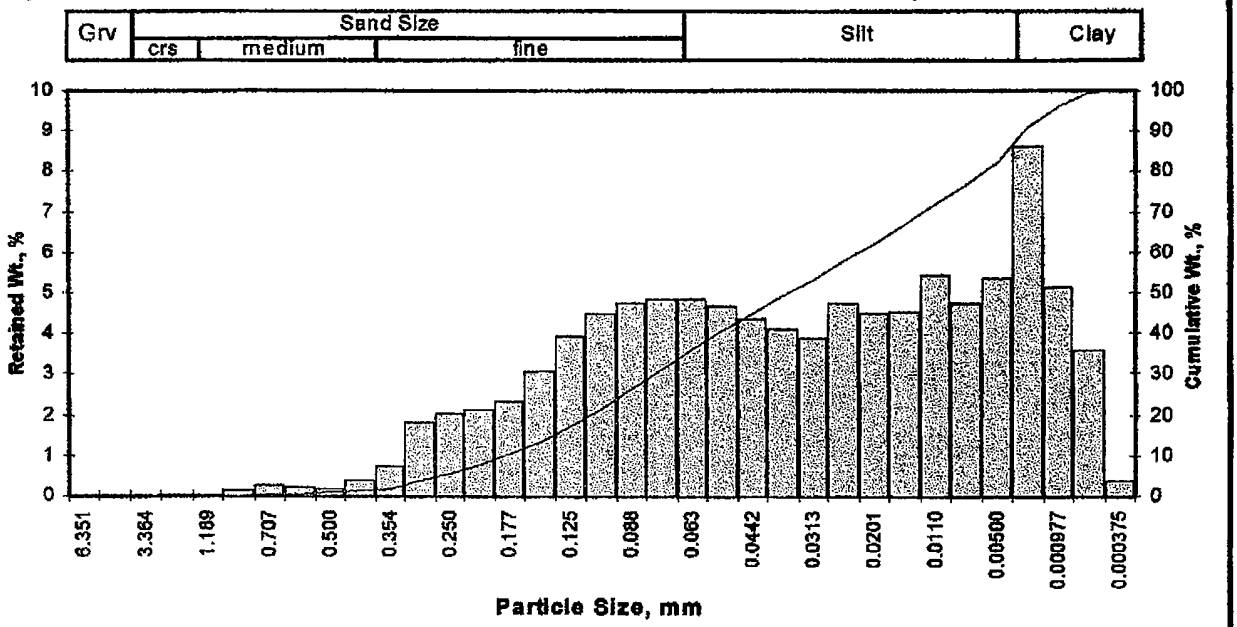
Sample ID	Depth, ft.	Mean Grain Size Description (1)	Median Grain Size mm	Particle Size Distribution, wt. percent						Silt & Clay
				Gravel	Sand Size			Silt	Clay	
					Coarse	Medium	Fine			
SB129/5-6	N/A	Silt	0.036	0.00	0.00	1.16	30.02	51.05	17.76	68.82

(1) based on Mean from Trask

9

PTS Laboratories, Inc. — **Particle Size Analysis - ASTM D4464M**

Client:	STL, Inc.	**PTS File No:**	36223
Project:	E6C310353	**Sample ID:**	SB129/5-6
Project No:	N/A	**Depth, ft:**	N/A



Opening Inches	Opening Millimeters	Phi of Screen	U.S. No.	Sample Weight, grams	Increment Weight, percent	Cumulative Weight, percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.12	0.12	0.12
0.0278	0.707	0.50	25	0.25	0.25	0.37
0.0234	0.595	0.75	30	0.21	0.21	0.58
0.0197	0.500	1.00	35	0.19	0.19	0.77
0.0166	0.420	1.25	40	0.39	0.39	1.16
0.0139	0.354	1.50	45	0.72	0.72	1.88
0.0117	0.297	1.75	50	1.79	1.79	3.67
0.0098	0.250	2.00	60	2.01	2.01	5.68
0.0083	0.210	2.25	70	2.13	2.13	7.81
0.0070	0.177	2.50	80	2.33	2.33	10.14
0.0059	0.149	2.75	100	3.06	3.06	13.20
0.0049	0.125	3.00	120	3.91	3.91	17.10
0.0041	0.105	3.25	140	4.49	4.49	21.59
0.0035	0.088	3.50	170	4.74	4.74	26.33
0.0029	0.074	3.75	200	4.85	4.85	31.18
0.0025	0.063	4.00	230	4.82	4.82	36.00
0.0021	0.053	4.25	270	4.64	4.64	40.64
0.00174	0.0442	4.50	325	4.36	4.36	45.00
0.00146	0.0372	4.75	400	4.09	4.09	49.09
0.00123	0.0313	5.00	450	3.88	3.88	52.96
0.000986	0.0250	5.32	500	4.74	4.74	57.70
0.000790	0.0201	5.64	635	4.48	4.48	62.18
0.000615	0.0156	6.00		4.53	4.53	66.71
0.000435	0.0110	6.50		5.45	5.45	72.16
0.000308	0.00781	7.00		4.74	4.74	76.90
0.000197	0.00500	7.65		5.34	5.34	82.24
0.000077	0.00195	9.00		8.64	8.64	90.87
0.000038	0.000977	10.00		5.13	5.13	96.00
0.000019	0.000486	11.00		3.60	3.60	99.60
0.000015	0.000375	11.38		0.40	0.40	100.00
TOTALS				100.00	100.00	100.00

Cumulative Weight Percent greater than			
Weight percent	Phi Value	Particle Size inches	Particle Size Millimeters
5	1.92	0.0104	0.265
10	2.49	0.0070	0.179
16	2.93	0.0052	0.131
25	3.43	0.0037	0.093
40	4.22	0.0021	0.054
50	4.81	0.0014	0.036
60	5.48	0.0009	0.022
75	6.80	0.0004	0.009
84	7.92	0.0002	0.004
90	8.86	0.0001	0.002
95	9.80	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	4.81	4.81	4.81
Median, in.	0.0014	0.0014	0.0014
Median, mm	0.036	0.036	0.036
Mean, phi	4.30	5.43	5.22
Mean, in.	0.0020	0.0009	0.0011
Mean, mm	0.051	0.023	0.027
Sorting	3.216	2.496	2.443
Skewness	0.809	0.247	0.257
Kurtosis	0.238	0.580	0.959
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	1.16
Fine Sand	200	30.02
Silt	>0.005 mm	51.05
Clay	<0.005 mm	17.76
	Total	100

NGSC-GLU005383

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

June 28, 2006

STL LOT NUMBER: **E6F200341**
PO/CONTRACT: C1613

Greg Rainwater
Entact Environmental Services,
3129 Bass Pro Drive
Grapevine, TX 76051

Dear Greg Rainwater,

This report contains the analytical results for the 10 samples received under chain of custody by Severn Trent Laboratories (STL) on June 20, 2006. These samples are associated with your Johnson Controls, Fullerton CA project.
STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP certification numbers for STL Los Angeles are 01118CA and E87652 FL.

Any matrix related anomaly is footnoted within the report. A cooler receipt temperature of 2 to 6 degrees Celsius is considered within acceptance criteria. Please refer to the Project Receipt Checklist for specific container temperature and conditions.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000050 pages

CASE NARRATIVE

The sample for Grain Size by ASTM D422 was analyzed by PTS Labs In Santa Fe Springs, California. The PTS Lab report has been included in full with this data report.

Historical control limits for the LCS are used to define the estimate of uncertainty for a method.

All applicable quality control procedures met method-specified acceptance criteria unless noted below.

If you have any questions, please feel free to call me at (714) 258-8610 extension 325.

Sincerely,

Linda Scharpenberg
Customer Service Manager

cc: Project File

NGSC-GLU005385

E6F200341

Chain of Custody Record

SEVERN TRENT **STL®**
Severn Trent Laboratories, Inc.

TL-4124 (0901)

Client: ENTACT	Project Manager: Greg Rainwater	Date: 6/20/06	Chain of Custody Number: 281511
Address: 3129 Bass Pro Dr.	Telephone Number (Area Code)/Fax Number: 972/580-1323		Lab Number: E6F200341
City: Grapevine / State: TX / Zip Code: 76051	Site Contact: M. Garrigan	Lab Contact: Jerry Swart	Page 1 of 1
Project Name and Location (State): JCI - Fullerton, CA	Carrier/Waybill Number: Courier		
Contract/Purchase Order/Quote No.: C1613			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOC (8260)	Geotech	Special Instructions/ Conditions of Receipt
MW-1 (49.5-50)	6/19/06	1622				X							X		
MW-1 (59.5-60)		1730				X							X		
MW-1D (69.5-70)		1745				X							X		
MW-1 (69.5-70)		1750				X							X		
MW-1 (79.5-80)	6/20/06	0810				X							X		
MW-1 (89.5-90)		0905				X							X		
MW-1 (99.5-100)		0940				X							X		
MW-1 (109.5-110)		1025				X							X		
MW-1 (119.5-120)		1130				X							X		
MW-1 (97-98)		1003				X								X	*GRAIN-SIZE analys

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [X] Other 5 days

QC Requirements (Specify):

1. Relinquished By: Michael L. Garrigan	Date: 6/20/06	Time: 1600	1. Received By: [signature]	Date: 6-20-06	Time: 1600
2. Relinquished By: [signature]	Date: 6/20/06	Time: 1645	2. Received By: [signature]	Date: 6/20/06	Time: 1645
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments:

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5.6 - .3 = 5.3

3

NGSC-GLU005386

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 6/20/06

Single Cooler Only

LIMS Lot #: E6F200341 Quote #: 68553

Client Name: Entset Project: JCI - Fullerton, CA

Received by: SG Date/Time Received: 6/20/06 1645

Delivered by : ☐ Client ☐ STL ☐ DHL ☐ Fed Ex ☐ UPS ☒ Other Edmund

****

	Initial / Date
Custody Seal Status Cooler: ☐Intact ☐Broken ☒None	SG 6/20/06
Custody Seal Status Samples: ☐Intact ☐Broken ☒None	
Custody Seal #(s): N/A ☒No Seal #	
Sampler Signature on COC ☐ Yes ☐No ☒N/A	
IR Gun # __A_ Correction Factor __-.3_°C IR passed daily verification ☒Yes ☐No	
Temperature - BLANK 5.6 °C - .3 CF = 5.3 °C ...Cooler #1 ID N/A	
Temperature – COOLER (____°C ____°C ____°C ____°C) = _____ avg °C - __.3 __ CF = ____ °C	
Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒N/A	
Sample Container(s): ☒STL-LA ☐ Client	
pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒N/A	
Anomalies: ☒No ☐Yes – complete CUR and Create NCM	
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ Yes ☐ No	
Labeled by: SG	

****

Turn Around Time: ☐RUSH–24HR ☐RUSH–48HR ☐RUSH–72HR ☒NORMAL SG 6/20/06

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐YES ☒N/A SG 6/20/06

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

NGSC-GLU005387

LIMS Lot # E6F200341

PROJECT RECEIPT CHECKLIST Cont'd

Fraction	1-9	10												
VOAH														
4oz CGJ	1													
25g E	1													
5g E	2													
Foil Wrap		1												

6/20/06

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☐YES ☒N/A 6/20/06

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☐ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- **CONTAINERS**
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
- **CUSTODY SEALS (COOLER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CONTAINER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other ☐ COC not received – notify PM
- **LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- ☐ Will be noted on COC--Client to send samples with new COC
- ☐ Mislabeled as to tests, preservatives, etc.
- ☐ Holding time expired – list sample ID and test
- ☐ Improper container used
- ☐ Not preserved/Improper preservative used
- ☐ Improper pH _____ Lab to preserve sample and document
- ☐ Insufficient quantities for analysis ☐ Other

Comments:

☐ Corrective Action Implemented:

☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____

☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: CA 6/20/06 Logged in by other STL ☐ ____ PM Review/Date: CMC 6/21/06

NGSC-GLU005388

SEVERN TRENT STL

Subcontract Reports

NGSC-GLU005389

PTS Laboratories
ENVIRONMENTAL SERVICES

June 26, 2006

Ms. Linda Scharpenburg
STL Inc.
1721 S. Grand Ave.
Santa Ana, CA 92705

Re: E6F200341
File: 36472

Dear Ms. Scharpenburg:

Enclosed are final data for samples submitted from your Project # E6F200341. Electronic versions of the data have been previously sent to your attention. All analyses were performed by applicable ASTM, EPA or API methodology. The samples are currently in storage and will be held for thirty days before disposal.

We appreciate the opportunity to be of service and trust these data will prove beneficial in the development of this project. Please call me at (562) 907-3607 with any questions or if you require additional information.

Sincerely,
PTS Laboratories, Inc.

Larry Kunkel
District Manager

LAK:vk

Encl.

8100 Secura Way – Santa Fe Springs, CA 90670
Phone 562.907.3607 Fax 562.907.3610
www.ptsgeolabs.com

NGSC-GLU005390

E6F200341

PTS Laboratories, Inc.

STL - Los Angeles
PTS File No: 36472

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D422/D4464M)

PROJECT NAME: E6F200341
PROJECT NO: N/A

Sample ID	Depth, ft.	Mean Grain Size Description (1)	Median Grain Size mm	Particle Size Distribution, wt. percent						Silt & Clay
				Gravel	Sand Size			Silt	Clay	
					Coarse	Medium	Fine			
MW-1 (97-98)	N/A	Silt	0.011	0.00	0.00	0.20	16.64	52.97	30.19	83.16

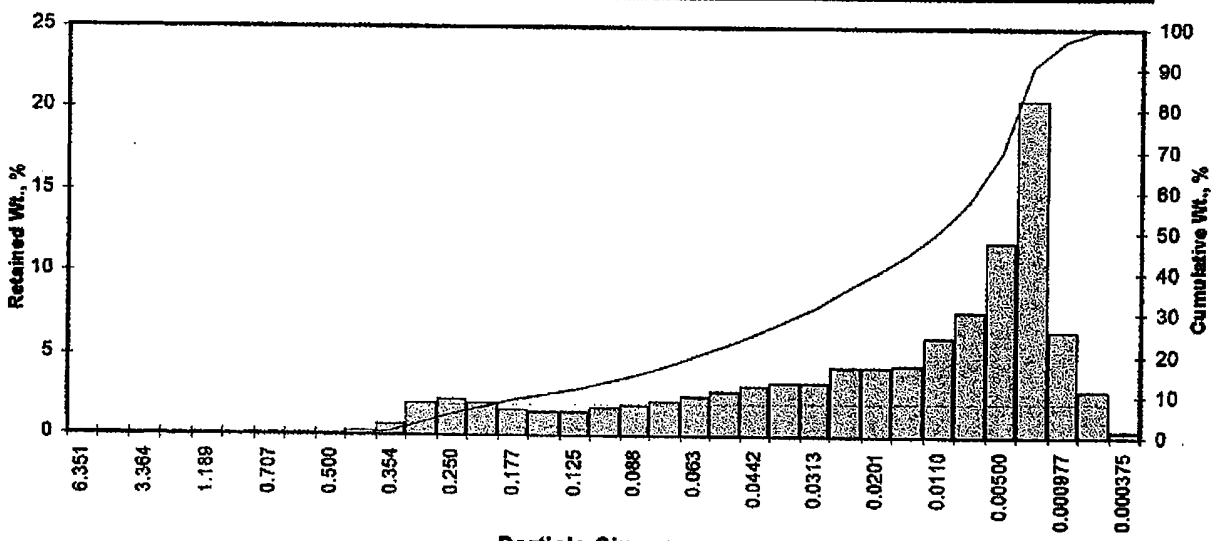
(1) Based on Mean from Trask

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	STL - Los Angeles	**PTS File No:**	36472
Project:	E6F200341	**Sample ID:**	MW-1 (97-98)
Project No:	N/A	**Depth, ft:**	N/A

Grv	Sand Size			Silt	Clay
	crs	medium	fine		



Opening Inches	Opening Millimeters	Phi of Screen	U.S. No.	Sample Weight, grams	Increment Weight, percent	Cumulative Weight, percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.00	0.00	0.00
0.0234	0.595	0.75	30	0.00	0.00	0.00
0.0197	0.500	1.00	35	0.01	0.01	0.01
0.0166	0.420	1.25	40	0.19	0.19	0.20
0.0139	0.354	1.50	45	0.67	0.67	0.87
0.0117	0.297	1.75	50	1.99	1.99	2.86
0.0098	0.250	2.00	60	2.20	2.20	5.06
0.0083	0.210	2.25	70	1.99	1.99	7.04
0.0070	0.177	2.50	80	1.55	1.55	8.59
0.0059	0.149	2.75	100	1.37	1.37	9.96
0.0049	0.125	3.00	120	1.43	1.43	11.39
0.0041	0.105	3.25	140	1.59	1.59	12.98
0.0035	0.088	3.50	170	1.79	1.79	14.77
0.0029	0.074	3.75	200	2.07	2.07	16.84
0.0025	0.063	4.00	230	2.40	2.40	19.24
0.0021	0.053	4.25	270	2.74	2.74	21.98
0.00174	0.0442	4.50	325	3.04	3.04	25.02
0.00146	0.0372	4.75	400	3.20	3.20	28.22
0.00123	0.0313	5.00	450	3.26	3.26	31.48
0.000986	0.0250	5.32	500	4.22	4.22	35.69
0.000790	0.0201	5.64	635	4.20	4.20	39.89
0.000615	0.0156	6.00		4.33	4.33	44.22
0.000435	0.0110	6.50		6.06	6.06	50.28
0.000308	0.00781	7.00		7.64	7.64	57.92
0.000197	0.00500	7.65		11.90	11.90	69.81
0.000077	0.00195	9.00		20.60	20.59	90.40
0.000038	0.000977	10.00		6.51	6.51	96.91
0.000019	0.000488	11.00		2.80	2.80	99.71
0.000015	0.000375	11.38		0.29	0.29	100.00
TOTALS				100.00	100.00	100.00

Cumulative Weight Percent greater than			
Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	1.99	0.0099	0.251
10	2.76	0.0058	0.148
16	3.65	0.0031	0.080
25	4.50	0.0017	0.044
40	5.65	0.0008	0.020
50	6.48	0.0004	0.011
60	7.11	0.0003	0.007
75	7.99	0.0002	0.004
84	8.58	0.0001	0.003
90	8.97	0.0001	0.002
95	9.71	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	6.48	6.48	6.48
Median, in.	0.0004	0.0004	0.0004
Median, mm	0.011	0.011	0.011
Mean, phi	5.38	6.11	6.23
Mean, in.	0.0009	0.0006	0.0005
Mean, mm	0.024	0.014	0.013
Sorting	3.350	2.465	2.401
Skewness	1.177	-0.147	-0.155
Kurtosis	0.138	0.564	0.906
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	0.20
Fine Sand	200	16.64
Silt	>0.005 mm	52.97
Clay	<0.005 mm	30.19
	Total	100

NGSC-GLU005392

E6F200341

PTS LABS
36472

Chain of Custody Record

SEVERN TRENT **STL®**
Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: STL - Los Angeles	Project Manager: Linda Scharpenberg	Date: 6/21/06	Chain of Custody Number: 281533
Address: 1721 S. Grand ave	Telephone Number (Area Code)/Fax Number: 714-258-8610	Lab Number: E6F200341	Page 1 of 1
City: Santa Ana; State: CA; Zip Code: 92705	Site Contact: —	Lab Contact: L. Scharpenberg	
Project Name and Location (State): E6F200341	Carrier/Waybill Number: —		
Contract/Purchase Order/Quote No.: —			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): Grain Size	Special Instructions/ Conditions of Receipt
MW-1 (97-98)	6/20/06	1003				X	X						X	1x foil wrap

6/21/06

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 72 hours

QC Requirements (Specify):

1. Relinquished By: [signature]	Date: 6-21-06	Time: 15:20	1. Received By: [signature] PTS LABS	Date: 06/21/06	Time: 15:2
2. Relinquished By:	Date:	Time:	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments:

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

50

NGSC-GLU005393

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

March 2, 2006

STL LOT NUMBER: E6B030129
NELAP Certification Number: 01118CA/E87652

Jennifer Alexander
Entact Environmental Services,
3129 Bass Pro Drive
Grapevine, TX 76051

Dear Ms. Alexander,

This report contains the analytical results for the sample received under chain of custody by STL Los Angeles on February 2, 2006. This sample is associated with your Johnson Controls, Fullerton CA project.

All applicable quality control procedures met method-specified acceptance criteria. Historical control limits for the LCS are used to define the estimate of uncertainty for a method. See Project Receipt Checklist for container temperature and conditions. Any matrix related anomaly is footnoted within the report.

PTS Laboratories, Santa Fe Springs, California, performed the geotechnical analyses. See attached report for results and any associated anomalies.

STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. The case narrative is an integral part of the report. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at (714) 258-8610 extension 325.

Sincerely,

Diane Suzuki
Project Manager

CC: Project File

000008

Page 1 of _____ total pages in this report.

E6B030129

[redacted]

Chain of Custody Record

SEVERN TRENT STL®

Severn Trent Laboratories, Inc.

TL-4124 (0901)

Client: ENTACT	Project Manager: JENNIFER ALEXANDER	Date: 2.2.06	Chain of Custody Number: 277169
Address: 3129 BASS PRO DRIVE	Telephone Number (Area Code)/Fax Number: 972, 580, 1323	Lab Number: E6B 030129	Page 1 of 1
City: GRAPEVINE; State: TX; Zip Code: 76051	Site Contact:	Lab Contact:	
Project Name and Location (State): KI FULLERTON, CA	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Ice	Analysis: INTRINSIC PERMEABILITY	FRACTION ORGANIC CARBON	BULK DENSITY	Special Instructions/ Conditions of Receipt
SB123-5/6	2.2.06	17:30				✓							✓	✓	✓	✓	
SB123-5/6	2.206	17:30				✓							✓	✓	✓	✓	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☑ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

1. Relinquished By: [signature]	Date: 2.2.06	Time: 19:30	1. Received By: [signature]	Date: 2/2/06	Time: 19:30
2. Relinquished By:	Date:	Time:	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments: SAMPLE SB123-5/6 UNDISTURBED IN PLASTIC SLEEVE

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

2

NGSC-GLU005395

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 2/2/06

Single Cooler Only

LIMS Lot #: E6B030129 Quote #: 108553

Client Name: Entact Project: JCI Fullerton

Received by: AV Date/Time Received: 2/2/06 19:30

Delivered by : ☒ Client ☐ STL ☐ DHL ☐ Fed Ex ☐ UPS ☐ Other

****

	Initial / Date
Custody Seal Status Cooler: ☐ Intact ☐ Broken ☒ None	SG 2/2/06
Custody Seal Status Samples: ☐ Intact ☐ Broken ☒ None	
Custody Seal #(s): N/A ☒ No Seal #	
Sampler Signature on COC ☐ Yes ☐ No ☒ N/A	
IR Gun # A Correction Factor -.5 °C IR passed daily verification ☒ Yes ☐ No	
Temperature - BLANK 7.9 °C - .5 CF = 7.4 °C ...Cooler #1 ID	
Temperature – COOLER (°C °C °C °C) = avg °C - .5 CF = °C	
Samples outside temperature criteria but received within 6 hours of final sampling ☒ Yes ☐ N/A	

Sample Container(s): ☒ STL-LA ☐ Client

pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒ N/A

Anomalies: ☒ No ☐ Yes – complete CUR and Create NCM

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ Yes ☐ No

Labeled by: SG

****

Turn Around Time: ☐ RUSH–24HR ☐ RUSH–48HR ☐ RUSH–72HR ☒ NORMAL SG 2/2/06

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐ YES ☒ N/A

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

NGSC-GLU005396

LIMS Lot # E6B030129 PROJECT RECEIPT CHECKLIST Cont'd

Fraction	1													
CAH	2													

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore
AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☐YES ☒N/A 2/2/06

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☐ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- **CONTAINERS**
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
- **CUSTODY SEALS (COOLER(S))**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CONTAINER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other ☐ COC not received – notify PM
- **LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- ☐ Will be noted on COC--Client to send samples with new COC
- ☐ Mislabeled as to tests, preservatives, etc.
- ☐ Holding time expired – list sample ID and test
- ☐ Improper container used
- ☐ Not preserved/Improper preservative used
- ☐ Improper pH _____ Lab to preserve sample and document
- ☐ Insufficient quantities for analysis ☐ Other

Comments:

☐ Corrective Action Implemented:

☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____

☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: Logged in by other STL ☐ ____ 2/3/06 PM Review/Date: 2/3/06

E6B030129

NGSC-GLU005397

SEVERN TRENT STL

Analytical Report

NGSC-GLU005398

PTS Laboratories
ENVIRONMENTAL SERVICES

February 28, 2006

Ms. Diane Suzuki
Severn Trent
1721 So. Grand Ave.
Santa Ana, CA 92705

Re: E6B030129
PTS File: 36099

Dear Ms. Suzuki:

Enclosed are final data for samples submitted from your Project # E6B030129. Electronic versions of the data have been previously sent to your attention. All analyses were performed by applicable ASTM, EPA or API methodology. The samples are currently in storage and will be held for thirty days before disposal.

We appreciate the opportunity to be of service and trust these data will prove beneficial in the development of this project. Please call me at (562) 907-3607 with any questions or if you require additional information.

Sincerely,
PTS Laboratories, Inc.

Larry Kunkel
District Manager

LAK:vk

Encl.

8100 Secura Way – Santa Fe Springs, CA 90670
Phone 562.907.3607 Fax 562.907.3610
www.ptsgeolabs.com

E6B030129

PTS Laboratories

STL, Inc.
PTS File No: 36099

PHYSICAL PROPERTIES DATA

PROJECT NAME: N/A
PROJECT NO: E6B030129

	METHODOLOGY: ASTM D2216			ASTM D2937	API RP40			WALKLEY-BLACK	API RP40
									25.0 PSI CONFINING STRESS
SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENT. (1)	MOISTURE CONTENT (% wt)	BULK DENSITY (g/cc)	POROSITY, %Vb (2)			TOTAL ORGANIC CARBON mg/kg	NATIVE STATE EFFECTIVE PERMEABILITY TO AIR (3) (millidarcy)
					TOTAL	AIR FILLED	WATER FILLED		
SB123-5/6	N/A	V	29.9	1.34	49.6	8.9	40.7	1150	0.699

(1) Sample Orientation: H = horizontal; V = vertical (2) Total Porosity = no pore fluids in place; all interconnected pore channels; Air Filled = pore channels not occupied by pore fluids (3) Native State = As received with pore fluids in place Vb = Bulk Volume, cc; Pv = Pore Volume, cc; ND = Not Detected

7

~~36086~~ 36000

Serial Number

VERN RENT STL ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

STL Los Angeles

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705
Ph: 714-258-8610
Fax: 714-258-0921
Website: www.stl-inc.com

Subcontract Laboratory: PTS Laboratories
Possible Hazards: Non-Hazard
Sample Disposal: Lab Disposal

PAGE 1 OF 2

Final Report Type: Boeing RLs and EDD

TAT/ DATE DUE: 10 day T/

EXPEDITED REPORT (circle one)

FAX EMAIL POST Other

TAT/ DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

OJECT & CLIENT INFORMATION		Project State
	PROJECT#. E6B030129	CA
ıne Suzuki	P.O. NUMBER	CONTRACT/Quote NO.
Los Angeles	STL PHONE 714-258-8610 x325	CLIENT FAX
	EMAIL dsuzuki@stl-inc.com	
1 South Grand Avenue, Santa Ana, Ca 93705		
olers Signature & Initials:		

REQUIRED ANALYSES

SAMPLED ON DATE	TIME	SAMPLE IDENTIFICATION	FIELD FILTERED	SAMPLE TYPE	PRESERVATIVE	CONTAINER TYPE	MATRIX	Soil Vapor Permeability	Water-fill porosity	Total Porosity	Intrinsic Permeability in air	Bulk Density (ASTM D2937)	Total Organic Carbon (Walkley-Black	Moisture Content (ASTM D2216)				REMARKS
2/2/2006	1730	SB123-5/6				o	s	X	X	X	X	X	X	X				

NUMBER OF CONTAINERS SUBMITTED

INQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	2-6-06	12:00						
CEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[signature]	2-6-06	12:00						

LABORATORY USE ONLY

CEIVED FOR LABORATORY BY: NATURE)	DATE	TIME	CUSTODY INTACT YES NO	CUSTODY SEAL NO.	LABORATORY REMARKS:
			8		

FCU030.12.20.06.2

Original - Return to Laboratory with Sample(s)

NGSC-GLU005401

JOHNSON CONTROLS

Appendix E

Laboratory Results for Groundwater Samples

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

July 10, 2006

STL LOT NUMBER: **E6F270350**

Greg Rainwater
Entact Environmental Services,
3129 Bass Pro Drive
Grapevine, TX 76051

Dear Greg Rainwater,

This report contains the analytical results for the three samples received under chain of custody by Severn Trent Laboratories (STL) on June 27, 2006. These samples are associated with your Johnson Controls, Fullerton CA project.

STL Los Angeles certifies that the tests performed at our facility meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP certification numbers for STL Los Angeles are 01118CA and E87652 FL.

Any matrix related anomaly is footnoted within the report. A cooler receipt temperature of 2 to 6 degrees Celsius is considered within acceptance criteria. Please refer to the Project Receipt Checklist for specific container temperature and conditions.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000024 pages

NGSC-GLU005403

CASE NARRATIVE

Historical control limits for the LCS are used to define the estimate of uncertainty for a method.

All applicable quality control procedures met method-specified acceptance criteria unless noted below.

If you have any questions, please feel free to call me at (714) 258-8610 extension 325.

Sincerely,

Linda Scharpenberg
Customer Service Manager

cc: Project File

NGSC-GLU005404

E6F270350

E6F270350

Chain of Custody Record

SEVERN TRENT STL®
Severn Trent Laboratories, Inc.

4124 (0901)

Client: ENTACT	Project Manager: GREG RAINWATER	Date: 6/27/06	Chain of Custody Number: 281551
Address: 3129 BASS PRO DRIVE	Telephone Number (Area Code)/Fax Number: 972/580-1323	Lab Number	Page ____ of ____
City: GRAPEVINE State: TX Zip Code: 76051	Site Contact: M. GARRIGAN	Lab Contact: T. SWART	
Project Name and Location (State): TCI - Fullerton, CA	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: C1613			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC (8260)	Special Instructions/ Conditions of Receipt
MW-1	6/27/06	1145		X						X				
MW-2	"	1250		X						X				
TRIP BLANK														

Matrix / Containers & Preservatives / Analysis (Attach list if more space is needed)

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 5 days

QC Requirements (Specify)

Relinquished By	Date	Time	1. Received By	Date	Time
Michael R. Garrigan	6/27/06	1415	[illegible]	6/27/06	1415
Relinquished By	Date	Time	2. Received By	Date	Time
Relinquished By	Date	Time	3. Received By	Date	Time

Comments: Temp 2.8 - 0.3 = 2.5

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

3

NGSC-GLU005405

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 6/27/06

Single Cooler Only

LIMS Lot #: E6F270350 Quote #: 68553

Client Name: Entact Project: JCI - Fullerton CA

Received by: VP Date/Time Received: 6/27/06 1415

Delivered by : ☒ Client ☐ STL ☐ DHL ☐ Fed Ex ☐ UPS ☐ Other

****

Initial / Date

Custody Seal Status Cooler: ☐ Intact ☐ Broken ☒ None 6/27/06

Custody Seal Status Samples: ☐ Intact ☐ Broken ☒ None .....

Custody Seal #(s): N/A ☒ No Seal # .....

Sampler Signature on COC ☐ Yes ☐ No ☒ N/A .....

IR Gun # A Correction Factor -.3 °C IR passed daily verification ☒ Yes ☐ No .....

Temperature - **BLANK** 2.8 °C - .3 CF = 2.5 °C ... **Cooler #1 ID** N/A .....

Temperature – **COOLER** (°C °C °C °C) = avg °C - .3 CF = °C.....

Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒ N/A...

Sample Container(s): ☒ STL-LA ☐ Client .....

pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒ N/A..

Anomalies: ☒ No ☐ Yes – complete CUR and Create NCM .....

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ Yes ☐ No.....

Labeled by: JG .....

****

Turn Around Time: ☐ RUSH–24HR ☐ RUSH–48HR ☐ RUSH–72HR ☒ NORMAL..... 6/27/06

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐ YES ☒ N/A 6/27/06

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

NGSC-GLU005406

LIMS Lot # E6F270350

PROJECT RECEIPT CHECKLIST Cont'd

Fraction	1-3													
AH	3													

6/27/06

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☐YES ☒N/A 6/27/06

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **CUSTODY SEALS (COOLER(S)** / **CONTAINER(S)**
  - ☐ None / ☐ None
  - ☐ Not Intact / ☐ Not Intact
  - ☐ Other / ☐ Other
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☐ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other ☐ COC not received – notify PM
- **CONTAINERS**
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
  - ☐ Will be noted on COC--Client to send samples with new COC
  - ☐ Mislabeled as to tests, preservatives, etc.
  - ☐ Holding time expired – list sample ID and test
  - ☐ Improper container used
  - ☐ Not preserved/Improper preservative used
  - ☐ Improper pH _____ Lab to preserve sample and document
  - ☐ Insufficient quantities for analysis ☐ Other

Comments:

☐ Corrective Action Implemented:

☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____

☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: Logged in by other STL ☐ ____ 6/27/06

PM Review/Date: 6/28/06

NGSC-GLU005407

SEVERN TRENT STL

Analytical Report

NGSC-GLU005408

ANALYTICAL REPORT

Johnson Controls, Fullerton CA

Lot #: E6F270350

Greg Rainwater

Entact Environmental Services,

SEVERN TRENT LABORATORIES, INC.

Linda Scharpenberg
Project Manager

July 10, 2006

NGSC-GLU005409

EXECUTIVE SUMMARY - Detection Highlights

E6F270350

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-1 06/27/06 11:45 001				
Chloroform	0.32 J	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	5.5	1.0	ug/L	SW846 8260B
Tetrachloroethene	10	1.0	ug/L	SW846 8260B
Trichloroethene	33	1.0	ug/L	SW846 8260B
MW-2 06/27/06 12:50 002				
Acetone	3.9 J	10	ug/L	SW846 8260B
Chloroform	0.44 J	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	7.4	1.0	ug/L	SW846 8260B
Tetrachloroethene	3.7	1.0	ug/L	SW846 8260B
Toluene	0.30 J	1.0	ug/L	SW846 8260B
Trichloroethene	23	1.0	ug/L	SW846 8260B
TRIP BLANK 06/27/06 003				
Acetone	4.0 J	10	ug/L	SW846 8260B

NGSC-GLU005410

METHODS SUMMARY

E6F270350

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

NGSC-GLU005411

SAMPLE SUMMARY

E6F270350

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H8CGT	001	MW-1	06/27/06	11:45
H8CGV	002	MW-2	06/27/06	12:50
H8CGW	003	TRIP BLANK	06/27/06	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

NGSC-GLU005412

Entact Environmental Services, LLC

Client Sample ID: MW-1

GC/MS Volatiles

Lot-Sample #...: E6F270350-001 **Work Order #...:** H8CGT1AA **Matrix.....:** WG
Date Sampled...: 06/27/06 11:45 **Date Received..:** 06/27/06 14:15 **MS Run #.....:** 6180367
Prep Date.....: 06/28/06 **Analysis Date..:** 06/29/06
Prep Batch #...: 6180625 **Analysis Time..:** 04:42
Dilution Factor: 1
Analyst ID.....: 015590 **Instrument ID..:** MSQ
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	2.0
Benzene	ND	1.0	ug/L	0.30
Bromobenzene	ND	1.0	ug/L	0.30
Bromochloromethane	ND	1.0	ug/L	0.40
Bromoform	ND	1.0	ug/L	0.40
Bromomethane	ND	2.0	ug/L	1.0
2-Butanone	ND	5.0	ug/L	2.5
n-Butylbenzene	ND	1.0	ug/L	0.30
sec-Butylbenzene	ND	1.0	ug/L	0.30
tert-Butylbenzene	ND	1.0	ug/L	0.20
Carbon disulfide	ND	1.0	ug/L	0.40
Carbon tetrachloride	ND	1.0	ug/L	0.30
Chlorobenzene	ND	1.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.40
Bromodichloromethane	ND	1.0	ug/L	0.30
Chloroethane	ND	2.0	ug/L	0.40
Chloroform	**0.32 J**	**1.0**	**ug/L**	**0.30**
Chloromethane	ND	2.0	ug/L	0.30
2-Chlorotoluene	ND	1.0	ug/L	0.30
4-Chlorotoluene	ND	1.0	ug/L	0.30
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	1.0
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.30
Dibromomethane	ND	1.0	ug/L	0.40
1,2-Dichlorobenzene	ND	1.0	ug/L	0.30
1,3-Dichlorobenzene	ND	1.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.30
Dichlorodifluoromethane	ND	2.0	ug/L	0.40
1,1-Dichloroethane	ND	1.0	ug/L	0.20
1,2-Dichloroethane	ND	1.0	ug/L	0.40
1,1-Dichloroethene	**5.5**	**1.0**	**ug/L**	**0.30**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.30
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.30
1,2-Dichloropropane	ND	1.0	ug/L	0.30
1,3-Dichloropropane	ND	1.0	ug/L	0.40
2,2-Dichloropropane	ND	1.0	ug/L	0.40
1,1-Dichloropropene	ND	1.0	ug/L	0.30

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NGSC-GLU005413

Entact Environmental Services, LLC

Client Sample ID: MW-1

GC/MS Volatiles

Lot-Sample #...: E6F270350-001 **Work Order #...:** H8CGT1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.30
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.50
Ethylbenzene	ND	1.0	ug/L	0.30
Hexachlorobutadiene	ND	1.0	ug/L	0.30
2-Hexanone	ND	5.0	ug/L	2.0
Isopropylbenzene	ND	1.0	ug/L	0.30
p-Isopropyltoluene	ND	1.0	ug/L	0.30
Methylene chloride	ND	1.0	ug/L	0.30
4-Methyl-2-pentanone	ND	5.0	ug/L	2.0
Methyl tert-butyl ether	ND	1.0	ug/L	0.50
Naphthalene	ND	1.0	ug/L	0.50
n-Propylbenzene	ND	1.0	ug/L	0.40
Styrene	ND	1.0	ug/L	0.30
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.30
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.40
Tetrachloroethene	**10**	**1.0**	**ug/L**	**0.40**
Toluene	ND	1.0	ug/L	0.30
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.40
1,2,4-Trichlorobenzene	ND	1.0	ug/L	0.30
1,1,1-Trichloroethane	ND	1.0	ug/L	0.20
1,1,2-Trichloroethane	ND	1.0	ug/L	0.30
Trichloroethene	**33**	**1.0**	**ug/L**	**0.30**
Trichlorofluoromethane	ND	2.0	ug/L	0.30
1,2,3-Trichloropropane	ND	1.0	ug/L	0.40
1,1,2-Trichlorotrifluoroethane	ND	1.0	ug/L	0.40
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.30
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.20
Vinyl chloride	ND	1.0	ug/L	0.30
m-Xylene & p-Xylene	ND	1.0	ug/L	0.50
o-Xylene	ND	1.0	ug/L	0.20
Xylenes (total)	ND	1.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	82	(70 - 125)
1,2-Dichloroethane-d4	86	(55 - 135)
Toluene-d8	96	(70 - 130)

NOTE(S):

J Estimated result Result is less than RL.

NGSC-GLU005414

Entact Environmental Services, LLC

Client Sample ID: MW-2

GC/MS Volatiles

Lot-Sample #...: E6F270350-002 **Work Order #...:** H8CGV1AA **Matrix.....:** WG
Date Sampled...: 06/27/06 12:50 **Date Received..:** 06/27/06 14:15 **MS Run #.....:** 5180367
Prep Date.....: 06/28/06 **Analysis Date..:** 06/29/06
Prep Batch #...: 6180625 **Analysis Time..:** 05:04
Dilution Factor: 1
Analyst ID.....: 015590 **Instrument ID..:** MSQ
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**3.9 J**	**10**	**ug/L**	**2.0**
Benzene	ND	1.0	ug/L	0.30
Bromobenzene	ND	1.0	ug/L	0.30
Bromochloromethane	ND	1.0	ug/L	0.40
Bromoform	ND	1.0	ug/L	0.40
Bromomethane	ND	2.0	ug/L	1.0
2-Butanone	ND	5.0	ug/L	2.5
n-Butylbenzene	ND	1.0	ug/L	0.30
sec-Butylbenzene	ND	1.0	ug/L	0.30
tert-Butylbenzene	ND	1.0	ug/L	0.20
Carbon disulfide	ND	1.0	ug/L	0.40
Carbon tetrachloride	ND	1.0	ug/L	0.30
Chlorobenzene	ND	1.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.40
Bromodichloromethane	ND	1.0	ug/L	0.30
Chloroethane	ND	2.0	ug/L	0.40
Chloroform	**0.44 J**	**1.0**	**ug/L**	**0.30**
Chloromethane	ND	2.0	ug/L	0.30
2-Chlorotoluene	ND	1.0	ug/L	0.30
4-Chlorotoluene	ND	1.0	ug/L	0.30
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	1.0
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.30
Dibromomethane	ND	1.0	ug/L	0.40
1,2-Dichlorobenzene	ND	1.0	ug/L	0.30
1,3-Dichlorobenzene	ND	1.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.30
Dichlorodifluoromethane	ND	2.0	ug/L	0.40
1,1-Dichloroethane	ND	1.0	ug/L	0.20
1,2-Dichloroethane	ND	1.0	ug/L	0.40
1,1-Dichloroethene	**7.4**	**1.0**	**ug/L**	**0.30**
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.30
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.30
1,2-Dichloropropane	ND	1.0	ug/L	0.30
1,3-Dichloropropane	ND	1.0	ug/L	0.40
2,2-Dichloropropane	ND	1.0	ug/L	0.40
1,1-Dichloropropene	ND	1.0	ug/L	0.30

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NGSC-GLU005415

Entact Environmental Services, LLC

Client Sample ID: MW-2

GC/MS Volatiles

Lot-Sample #...: E6F270350-002 Work Order #...: H8CGV1AA Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.30
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.50
Ethylbenzene	ND	1.0	ug/L	0.30
Hexachlorobutadiene	ND	1.0	ug/L	0.30
2-Hexanone	ND	5.0	ug/L	2.0
Isopropylbenzene	ND	1.0	ug/L	0.30
p-Isopropyltoluene	ND	1.0	ug/L	0.30
Methylene chloride	ND	1.0	ug/L	0.30
4-Methyl-2-pentanone	ND	5.0	ug/L	2.0
Methyl tert-butyl ether	ND	1.0	ug/L	0.50
Naphthalene	ND	1.0	ug/L	0.50
n-Propylbenzene	ND	1.0	ug/L	0.40
Styrene	ND	1.0	ug/L	0.30
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.30
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.40
Tetrachloroethene	**3.7**	**1.0**	**ug/L**	**0.40**
Toluene	**0.30 J**	**1.0**	**ug/L**	**0.30**
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.40
1,2,4-Trichlorobenzene	ND	1.0	ug/L	0.30
1,1,1-Trichloroethane	ND	1.0	ug/L	0.20
1,1,2-Trichloroethane	ND	1.0	ug/L	0.30
Trichloroethene	**23**	**1.0**	**ug/L**	**0.30**
Trichlorofluoromethane	ND	2.0	ug/L	0.30
1,2,3-Trichloropropane	ND	1.0	ug/L	0.40
1,1,2-Trichlorotrifluoroethane	ND	1.0	ug/L	0.40
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.30
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.20
Vinyl chloride	ND	1.0	ug/L	0.30
m-Xylene & p-Xylene	ND	1.0	ug/L	0.50
o-Xylene	ND	1.0	ug/L	0.20
Xylenes (total)	ND	1.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	83	(70 - 125)
1,2-Dichloroethane-d4	82	(55 - 135)
Toluene-d8	96	(70 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

NGSC-GLU005416

Entact Environmental Services, LLC

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...:	E6F270350-003	**Work Order #...:**	H8CGW1AA	**Matrix.....:**	WG
Date Sampled...:	06/27/06	**Date Received..:**	06/27/06 14:15	**MS Run #.....:**	6180367
Prep Date.....:	06/28/06	**Analysis Date..:**	06/29/06		
Prep Batch #...:	6180625	**Analysis Time..:**	05:27		
Dilution Factor:	1				
Analyst ID.....:	015590	**Instrument ID..:**	MSQ		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**4.0 J**	**10**	**ug/L**	**2.0**
Benzene	ND	1.0	ug/L	0.30
Bromobenzene	ND	1.0	ug/L	0.30
Bromochloromethane	ND	1.0	ug/L	0.40
Bromoform	ND	1.0	ug/L	0.40
Bromomethane	ND	2.0	ug/L	1.0
2-Butanone	ND	5.0	ug/L	2.5
n-Butylbenzene	ND	1.0	ug/L	0.30
sec-Butylbenzene	ND	1.0	ug/L	0.30
tert-Butylbenzene	ND	1.0	ug/L	0.20
Carbon disulfide	ND	1.0	ug/L	0.40
Carbon tetrachloride	ND	1.0	ug/L	0.30
Chlorobenzene	ND	1.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.40
Bromodichloromethane	ND	1.0	ug/L	0.30
Chloroethane	ND	2.0	ug/L	0.40
Chloroform	ND	1.0	ug/L	0.30
Chloromethane	ND	2.0	ug/L	0.30
2-Chlorotoluene	ND	1.0	ug/L	0.30
4-Chlorotoluene	ND	1.0	ug/L	0.30
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	1.0
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.30
Dibromomethane	ND	1.0	ug/L	0.40
1,2-Dichlorobenzene	ND	1.0	ug/L	0.30
1,3-Dichlorobenzene	ND	1.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.30
Dichlorodifluoromethane	ND	2.0	ug/L	0.40
1,1-Dichloroethane	ND	1.0	ug/L	0.20
1,2-Dichloroethane	ND	1.0	ug/L	0.40
1,1-Dichloroethene	ND	1.0	ug/L	0.30
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.30
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.30
1,2-Dichloropropane	ND	1.0	ug/L	0.30
1,3-Dichloropropane	ND	1.0	ug/L	0.40
2,2-Dichloropropane	ND	1.0	ug/L	0.40
1,1-Dichloropropene	ND	1.0	ug/L	0.30

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NGSC-GLU005417

Entact Environmental Services, LLC

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: E6F270350-003 **Work Order #...:** H8CGW1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.30
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.50
Ethylbenzene	ND	1.0	ug/L	0.30
Hexachlorobutadiene	ND	1.0	ug/L	0.30
2-Hexanone	ND	5.0	ug/L	2.0
Isopropylbenzene	ND	1.0	ug/L	0.30
p-Isopropyltoluene	ND	1.0	ug/L	0.30
Methylene chloride	ND	1.0	ug/L	0.30
4-Methyl-2-pentanone	ND	5.0	ug/L	2.0
Methyl tert-butyl ether	ND	1.0	ug/L	0.50
Naphthalene	ND	1.0	ug/L	0.50
n-Propylbenzene	ND	1.0	ug/L	0.40
Styrene	ND	1.0	ug/L	0.30
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.30
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.40
Tetrachloroethene	ND	1.0	ug/L	0.40
Toluene	ND	1.0	ug/L	0.30
1,2,3-Trichlorobenzene	ND	1.0	ug/L	0.40
1,2,4-Trichlorobenzene	ND	1.0	ug/L	0.30
1,1,1-Trichloroethane	ND	1.0	ug/L	0.20
1,1,2-Trichloroethane	ND	1.0	ug/L	0.30
Trichloroethene	ND	1.0	ug/L	0.30
Trichlorofluoromethane	ND	2.0	ug/L	0.30
1,2,3-Trichloropropane	ND	1.0	ug/L	0.40
1,1,2-Trichlorotrifluoroethane	ND	1.0	ug/L	0.40
1,2,4-Trimethylbenzene	ND	1.0	ug/L	0.30
1,3,5-Trimethylbenzene	ND	1.0	ug/L	0.20
Vinyl chloride	ND	1.0	ug/L	0.30
m-Xylene & p-Xylene	ND	1.0	ug/L	0.50
o-Xylene	ND	1.0	ug/L	0.20
Xylenes (total)	ND	1.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	79	(70 - 125)
1,2-Dichloroethane-d4	84	(55 - 135)
Toluene-d8	95	(70 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

NGSC-GLU005418

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QA/QC

NGSC-GLU005419

QC DATA ASSOCIATION SUMMARY

E6F270350

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WG	SW346 8260B		6180625	6180367
002	WG	SW346 8260B		6180625	6180367
003	WG	SW846 8260B		6180625	6180367

NGSC-GLU005420

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6F270350
MB Lot-Sample #: E6F290000-625
Work Order #...: H8HH41AA
Matrix.....: WATER
Prep Date.....: 06/28/06
Analysis Time..: 23:30
Analysis Date..: 06/28/06
Prep Batch #...: 6180625
Instrument ID..: MSQ
Dilution Factor: 1
Analyst ID.....: 015590

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B

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NGSC-GLU005421

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6F270350 **Work Order #...:** H8HH41AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	84	(70 - 125)
1,2-Dichloroethane-d4	82	(55 - 135)
Toluene-d8	92	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NGSC-GLU005422

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6F270350 **Work Order #...:** H8HH41AC **Matrix.....:** WATER
LCS Lot-Sample#: E6F290000-625
Prep Date.....: 06/28/06 **Analysis Date..:** 06/28/06
Prep Batch #...: 6180625 **Analysis Time..:** 22:45
Dilution Factor: 1 **Instrument ID..:** MSQ
Analyst ID.....: 015590

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**92**	**(60 - 125)**	**SW846 8260B**
Chlorobenzene	**95**	**(70 - 125)**	**SW846 8260B**
1,1-Dichloroethene	**82**	**(60 - 150)**	**SW846 8260B**
Toluene	**86**	**(65 - 125)**	**SW846 8260B**
Trichloroethene	**92**	**(60 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	92	(70 - 125)
1,2-Dichloroethane-d4	78	(55 - 135)
Toluene-d8	97	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU005423

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6F270350
LCS Lot-Sample#: E6F290000-625
Prep Date.....: 06/28/06
Prep Batch #...: 6180625
Dilution Factor: 1
Analyst ID.....: 015590

Work Order #...: H8HH41AC
Analysis Date..: 06/28/06
Analysis Time..: 22:45
Instrument ID..: MSQ

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**10.0**	**9.20**	**ug/L**	**92**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.52**	**ug/L**	**95**	**SW846 8260B**
1,1-Dichloroethene	**10.0**	**8.16**	**ug/L**	**82**	**SW846 8260B**
Toluene	**10.0**	**8.60**	**ug/L**	**86**	**SW846 8260B**
Trichloroethene	**10.0**	**9.20**	**ug/L**	**92**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	92	(70 - 125)
1,2-Dichloroethane-d4	78	(55 - 135)
Toluene-d8	97	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU005424

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E6F270350	**Work Order #...:**	H8D2F1AF-MS	**Matrix.....:**	WATER
MS Lot-Sample #:	E6F280242-001		H8D2F1AG-MSD		
Date Sampled...:	06/27/06 08:45	**Date Received..:**	06/28/06 10:15	**MS Run #.....:**	6180367
Prep Date.....:	06/28/06	**Analysis Date..:**	06/29/06		
Prep Batch #...:	6180625	**Analysis Time..:**	08:11		
Dilution Factor:	1	**Analyst ID.....:**	015590	**Instrument ID..:**	MSQ

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**94**	**(60 - 125)**			**SW846 8260B**
	92	**(60 - 125)**	**2.5**	**(0-25)**	**SW846 8260B**
Chlorobenzene	**101**	**(70 - 125)**			**SW846 8260B**
	99	**(70 - 125)**	**1.8**	**(0-25)**	**SW846 8260B**
1,1-Dichloroethene	**82**	**(60 - 150)**			**SW846 8260B**
	78	**(60 - 150)**	**5.2**	**(0-25)**	**SW846 8260B**
Toluene	**91**	**(65 - 125)**			**SW846 8260B**
	89	**(65 - 125)**	**2.8**	**(0-25)**	**SW846 8260B**
Trichloroethene	**93**	**(60 - 130)**			**SW846 8260B**
	91	**(60 - 130)**	**2.2**	**(0-25)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	92	(70 - 125)
	92	(70 - 125)
1,2-Dichloroethane-d4	81	(55 - 135)
	82	(55 - 135)
Toluene-d8	100	(70 - 130)
	100	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU005425

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E6F270350	**Work Order #...:**	H8D2F1AF-MS H8D2F1AG-MSD	**Matrix.....:**	WATER
MS Lot-Sample #:	E6F280242-001				
Date Sampled...:	06/27/06 08:45	**Date Received..:**	06/28/06 10:15	**MS Run #.....:**	6180367
Prep Date.....:	06/28/06	**Analysis Date..:**	06/29/06		
Prep Batch #...:	6180625	**Analysis Time..:**	08:11		
Dilution Factor:	1	**Analyst ID.....:**	015590	**Instrument ID..:**	MSQ

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**10.0**	**9.45**	**ug/L**	**94**		**SW846 8260B**
	ND	**10.0**	**9.22**	**ug/L**	**92**	**2.5**	**SW846 8260B**
Chlorobenzene	**ND**	**10.0**	**10.1**	**ug/L**	**101**		**SW846 8260B**
	ND	**10.0**	**9.90**	**ug/L**	**99**	**1.8**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**10.0**	**8.16**	**ug/L**	**82**		**SW846 8260B**
	ND	**10.0**	**7.75**	**ug/L**	**78**	**5.2**	**SW846 8260B**
Toluene	**ND**	**10.0**	**9.12**	**ug/L**	**91**		**SW846 8260B**
	ND	**10.0**	**8.87**	**ug/L**	**89**	**2.8**	**SW846 8260B**
Trichloroethene	**ND**	**10.0**	**9.30**	**ug/L**	**93**		**SW846 8260B**
	ND	**10.0**	**9.10**	**ug/L**	**91**	**2.2**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	92	(70 - 125)
	92	(70 - 125)
1,2-Dichloroethane-d4	81	(55 - 135)
	82	(55 - 135)
Toluene-d8	100	(70 - 130)
	100	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NGSC-GLU005426

JOHNSON CONTROLS

Appendix F

Soil Modeling Information

MW1 Case 1A-1D

Model : VLEACH

An US EPA model for assessing contamination of soil and groundwater with volatile organic contaminants

Description :

The input variables used to run VLEACH included a groundwater recharge rate ranging from 0.025 to 0.5 ft/yr, a constant contaminated layer of one foot within their respected layers, and a constant PCE concentration defined at each contaminated layer. These case model runs were performed on monitor well MW1 with sub-cases A through D.

For Case 1 scenario, the three clay layers were modeled. Cases 1A through 1D, the constant PCE concentrations were varied by decreasing factors of 0.5, 0.25, and 0.13 starting at the detected concentrations (Case 1A). The following list is the break down of the concentrations use for Cases 1A through 1D at respective depths 59 and 69 bgs:

1A: 84 ug/kg and 150 ug/kg
1B: 42 ug/kg and 75 ug/kg
1C: 21 ug/kg and 37.5 ug/kg
1D: 10.5 ug/kg and 18.75 ug/kg

PCE concentrations were modeled in a combined clay layer of 20.5 ft with each PCE concentration modeled into their respective layer at one foot of contaminated clay. The recharge rate was varied between 0.025 to 0.5 ft/yr.

7/27/2006

1. VLEACH Cas 1A

Model Settings

[VLEACH] Case Settings

Parameter	Value	Units
Simulation Timestep	25	(years)
Simulation Length	100	(years)
Cell Number	50	(-)
Recharge Rate	0.5, 0.1, 0.05, 0.025	(ft/year)
Concentration in Recharge Water	0.000000000000	(mg/l)
Upper Boundary for Vapor	0.000000000000	(mg/l)
Lower Boundary for Vapor	0.000000000000	(mg/l)
Output Timestep	1.000	(years)

[VLEACH] Initial Conditions

#	Start Depth	End Depth	Initial Contaminant Concentration (µg/kg)
1	0	1	0
2	1	2	84
3	2	11	0
4	11	12	150
5	12	20.5	0

Profile Structure

Layer	Top (ft)	Bottom (ft)	Thickness (ft)
Clay	0.0000	-20.5000	20.5000

1.1. Layer. Clay

[VLEACH] Soil Parameters

Parameter	Value	Units
Bulk Density	1.35	(g/cu.cm)
Effective Porosity	0.49	(vol/vol)
Water Content	0.3	(vol/vol)
Fraction Organic Content	0.4	(%%)

Chemical. Tetrachloroethylene

[VLEACH] Chemical Parameters

Parameter	Value	Units
Water Solubility	150	(mg/l)
Organic Carbon Partition Coefficient	660	(ml/g)
Henry Law Constant	0.923	(-)
Free Air Diffusion Coefficient	0.691	(m2/day)

2. VLEACH Case 1B

Model Settings

[VLEACH] Case Settings

Parameter	Value	Units
Simulation Timestep	25	(years)
Simulation Length	100	(years)
Cell Number	50	(-)
Recharge Rate	0.5, 0.1, 0.05, 0.025	(ft/year)
Concentration in Recharge Water	0.000000000000	(mg/l)
Upper Boundary for Vapor	0.000000000000	(mg/l)
Lower Boundary for Vapor	0.000000000000	(mg/l)
Output Timestep	1.000	(years)

[VLEACH] Initial Conditions

#	Start Depth	End Depth	Initial Contaminant Concentration (µg/kg)
1	0	1	0
2	1	2	42
3	2	11	0
4	11	12	75
5	12	20.5	0

Profile Structure

Layer	Top (ft)	Bottom (ft)	Thickness (ft)
Clay	0.0000	-20.5000	20.5000

2.1. Layer. Clay

[VLEACH] Soil Parameters

Parameter	Value	Units
Bulk Density	1.35	(g/cu.cm)
Effective Porosity	0.49	(vol/vol)
Water Content	0.3	(vol/vol)
Fraction Organic Content	0.4	(%%)

Chemical. Tetrachloroethylene

[VLEACH] Chemical Parameters

Parameter	Value	Units
Water Solubility	150	(mg/l)
Organic Carbon Partition Coefficient	660	(ml/g)
Henry Law Constant	0.923	(-)
Free Air Diffusion Coefficient	0.691	(m2/day)

3. VLEACH Case 1C

Model Settings

[VLEACH] Case Settings

Parameter	Value	Units
Simulation Timestep	25	(years)
Simulation Length	100	(years)
Cell Number	50	(-)
Recharge Rate	0.5, 0.1, 0.05, 0.025	(ft/year)
Concentration in Recharge Water	0.000000000000	(mg/l)
Upper Boundary for Vapor	0.000000000000	(mg/l)
Lower Boundary for Vapor	0.000000000000	(mg/l)
Output Timestep	1.000	(years)

[VLEACH] Initial Conditions

#	Start Depth	End Depth	Initial Contaminant Concentration (µg/kg)
1	0	1	0
2	1	2	21
3	2	11	0
4	11	12	37.5
5	12	20.5	0

Profile Structure

Layer	Top (ft)	Bottom (ft)	Thickness (ft)
Clay	0.0000	-20.5000	20.5000

3.1. Layer. Clay

[VLEACH] Soil Parameters

Parameter	Value	Units
Bulk Density	1.35	(g/cu.cm)
Effective Porosity	0.49	(vol/vol)
Water Content	0.3	(vol/vol)
Fraction Organic Content	0.4	(%%)

Chemical. Tetrachloroethylene

[VLEACH] Chemical Parameters

Parameter	Value	Units
Water Solubility	150	(mg/l)
Organic Carbon Partition Coefficient	660	(ml/g)
Henry Law Constant	0.923	(-)
Free Air Diffusion Coefficient	0.691	(m2/day)

4. VLEACH Case 1D

Model Settings

[VLEACH] Case Settings

Parameter	Value	Units
Simulation Timestep	25	(years)
Simulation Length	100	(years)
Cell Number	50	(-)
Recharge Rate	0.5, 0.1, 0.05, 0.025	(ft/year)
Concentration in Recharge Water	0.000000000000	(mg/l)
Upper Boundary for Vapor	0.000000000000	(mg/l)
Lower Boundary for Vapor	0.000000000000	(mg/l)
Output Timestep	1.000	(years)

[VLEACH] Initial Conditions

#	Start Depth	End Depth	Initial Contaminant Concentration (µg/kg)
1	0	1	0
2	1	2	10.5
3	2	11	0
4	11	12	18.5
5	12	20.5	0

Profile Structure

Layer	Top (ft)	Bottom (ft)	Thickness (ft)
Clay	0.0000	-20.5000	20.5000

4.1. Layer. Clay

[VLEACH] Soil Parameters

Parameter	Value	Units
Bulk Density	1.35	(g/cu.cm)
Effective Porosity	0.49	(vol/vol)
Water Content	0.3	(vol/vol)
Fraction Organic Content	0.4	(%%)

Chemical. Tetrachloroethylene

[VLEACH] Chemical Parameters

Parameter	Value	Units
Water Solubility	150	(mg/l)
Organic Carbon Partition Coefficient	660	(ml/g)
Henry Law Constant	0.923	(-)
Free Air Diffusion Coefficient	0.691	(m2/day)

MW1 Case 2A-2D

Model : VLEACH

An US EPA model for assessing contamination of soil and groundwater with volatile organic contaminants

Description :

The input variables used to run VLEACH included a groundwater recharge rate ranging from 0.025 to 0.5 ft/yr, a constant contaminated layer of one foot within their respected layers, and a constant PCE concentration defined at each contaminated layer. These case model runs were performed on monitor well MW1 with sub-cases A through D.

For the Case 2 scenario, the three clay layers and five silty clay layers were modeled. For modeling purposes, the silty clay layers were assumed to have similar properties to the clay layers. Cases 2A through 2D, the constant PCE concentrations were varied by decreasing factors of 0.5, 0.25, and 0.13 starting at the detected concentrations (Case 2A). The following list is the break down of the concentrations use for Cases 2A through 2D at respective depths 4 bgs, 9 bgs, 19 bgs, 29 bgs, 59 bgs, and 69 bgs:

2A: 190 ug/kg, 67 ug/kg, 1000 ug/kg, 660 ug/kg, 84 ug/kg, and 150 ug/kg
2B: 95 ug/kg, 33.5 ug/kg, 500 ug/kg, 330 ug/kg, 42 ug/kg, and 75 ug/kg
2C: 47.5 ug/kg, 16.75 ug/kg, 250 ug/kg, 165 ug/kg, 21 ug/kg, and 37.5 ug/kg
2D: 23.75 ug/kg, 8.38 ug/kg, 125 ug/kg, 82.5 ug/kg, 10.5 ug/kg, and 18.75 ug/kg

PCE concentrations were modeled in a combined clay layer of 54 ft with each PCE concentration modeled into their respective layer at one foot of contaminated clay. The recharge rate was varied between 0.025 to 0.5 ft/yr.

7/27/2006

1. VLEACH Case 2A

Model Settings

[VLEACH] Case Settings

Parameter	Value	Units
Simulation Timestep	25	(years)
Simulation Length	100	(years)
Cell Number	50	(-)
Recharge Rate	0.5, 0.1, 0.05, 0.025	(ft/year)
Concentration in Recharge Water	0.000000000000	(mg/l)
Upper Boundary for Vapor	0.000000000000	(mg/l)
Lower Boundary for Vapor	0.000000000000	(mg/l)
Output Timestep	1.000	(years)

[VLEACH] Initial Conditions

#	Start Depth	End Depth	Initial Contaminant Concentration (µg/kg)
1	0	1	0
2	1	2	190
3	2	6	0
4	6	7	87
5	7	18	0
6	18	19	1000
7	19	26	0
8	26	27	660
9	27	31.5	0
10	31.5	32.5	84
11	32.5	41.5	0
12	41.5	42.5	150
13	42.5	54	0

Profile Structure

Layer	Top (ft)	Bottom (ft)	Thickness (ft)
Clay	0.0000	-54.0000	54.0000

1.1. Layer. Clay

[VLEACH] Soil Parameters

Parameter	Value	Units
Bulk Density	1.35	(g/cu.cm)
Effective Porosity	0.49	(vol/vol)
Water Content	0.3	(vol/vol)
Fraction Organic Content	0.4	(%%)

Chemical. Tetrachloroethylene

[VLEACH] Chemical Parameters

Parameter	Value	Units
Water Solubility	150	(mg/l)
Organic Carbon Partition Coefficient	660	(ml/g)
Henry Law Constant	0.923	(-)
Free Air Diffusion Coefficient	0.691	(m2/day)

2. VLEACH Case 2B

Model Settings

[VLEACH] Case Settings

Parameter	Value	Units
Simulation Timestep	25	(years)
Simulation Length	100	(years)
Cell Number	50	(-)
Recharge Rate	0.5, 0.1, 0.05, 0.025	(ft/year)
Concentration in Recharge Water	0.000000000000	(mg/l)
Upper Boundary for Vapor	0.000000000000	(mg/l)
Lower Boundary for Vapor	0.000000000000	(mg/l)
Output Timestep	1.000	(years)

[VLEACH] Initial Conditions

#	Start Depth	End Depth	Initial Contaminant Concentration (µg/kg)
1	0	1	0
2	1	2	95
3	2	6	0
4	6	7	33.50
5	7	18	0
6	18	19	500
7	19	26	0
8	26	27	330
9	27	31.5	0
10	31.5	32.5	42
11	32.5	41.5	0
12	41.5	42.5	75
13	42.5	54	0

Profile Structure

Layer	Top (ft)	Bottom (ft)	Thickness (ft)
Clay	0.0000	-54.0000	54.0000

2.1. Layer. Clay

[VLEACH] Soil Parameters

Parameter	Value	Units
Bulk Density	1.35	(g/cu.cm)
Effective Porosity	0.49	(vol/vol)
Water Content	0.3	(vol/vol)
Fraction Organic Content	0.4	(%%)

Chemical. Tetrachloroethylene

[VLEACH] Chemical Parameters

Parameter	Value	Units
Water Solubility	150	(mg/l)
Organic Carbon Partition Coefficient	660	(ml/g)
Henry Law Constant	0.923	(-)
Free Air Diffusion Coefficient	0.691	(m2/day)

3. VLEACH Case 2C

Model Settings

[VLEACH] Case Settings

Parameter	Value	Units
Simulation Timestep	25	(years)
Simulation Length	100	(years)
Cell Number	50	(-)
Recharge Rate	0.5, 0.1, 0.05, 0.025	(ft/year)
Concentration in Recharge Water	0.000000000000	(mg/l)
Upper Boundary for Vapor	0.000000000000	(mg/l)
Lower Boundary for Vapor	0.000000000000	(mg/l)
Output Timestep	1.000	(years)

[VLEACH] Initial Conditions

#	Start Depth	End Depth	Initial Contaminant Concentration (µg/kg)
1	0	1	0
2	1	2	47.5
3	2	6	0
4	6	7	16.75
5	7	18	0
6	18	19	250
7	19	26	0
8	26	27	165
9	27	31.5	0
10	31.5	32.5	21
11	32.5	41.5	0
12	41.5	42.5	37.5
13	42.5	54	0

Profile Structure

Layer	Top (ft)	Bottom (ft)	Thickness (ft)
Clay	0.0000	-54.0000	54.0000

3.1. Layer. Clay

[VLEACH] Soil Parameters

Parameter	Value	Units
Bulk Density	1.35	(g/cu.cm)
Effective Porosity	0.49	(vol/vol)
Water Content	0.3	(vol/vol)
Fraction Organic Content	0.4	(%%)

Chemical. Tetrachloroethylene

[VLEACH] Chemical Parameters

Parameter	Value	Units
Water Solubility	150	(mg/l)
Organic Carbon Partition Coefficient	660	(ml/g)
Henry Law Constant	0.923	(-)
Free Air Diffusion Coefficient	0.691	(m2/day)

4. VLEACH Case 2D

Model Settings

[VLEACH] Case Settings

Parameter	Value	Units
Simulation Timestep	25	(years)
Simulation Length	100	(years)
Cell Number	50	(-)
Recharge Rate	0.5, 0.1, 0.05, 0.025	(ft/year)
Concentration In Recharge Water	0.000000000000	(mg/l)
Upper Boundary for Vapor	0.000000000000	(mg/l)
Lower Boundary for Vapor	0.000000000000	(mg/l)
Output Timestep	1.000	(years)

[VLEACH] Initial Conditions

#	Start Depth	End Depth	Initial Contaminant Concentration (µg/kg)
1	0	1	0
2	1	2	23.75
3	2	6	0
4	6	7	8.38
5	7	18	0
6	18	19	125
7	19	26	0
8	26	27	82.50
9	27	31.5	0
10	31.5	32.5	10.5
11	32.5	41.5	0
12	41.5	42.5	18.75
13	42.5	54	0

Profile Structure

Layer	Top (ft)	Bottom (ft)	Thickness (ft)
Clay	0.0000	-54.0000	54.0000

4.1. Layer. Clay

[VLEACH] Soil Parameters

Parameter	Value	Units
Bulk Density	1.35	(g/cu.cm)
Effective Porosity	0.49	(vol/vol)
Water Content	0.3	(vol/vol)
Fraction Organic Content	0.4	(%%)

Chemical. Tetrachloroethylene

[VLEACH] Chemical Parameters

Parameter	Value	Units
Water Solubility	150	(mg/l)
Organic Carbon Partition Coefficient	660	(ml/g)
Henry Law Constant	0.923	(-)
Free Air Diffusion Coefficient	0.691	(m2/day)

MW2 Case 1A-1D

Model : VLEACH

An US EPA model for assessing contamination of soil and groundwater with volatile organic contaminants

Description:

The input variables used to run VLEACH included a groundwater recharge rate ranging from 0.025 to 0.5 ft/yr, a constant contaminated layer of one foot into their respected layers, and a constant PCE concentration defined at each contaminated layer. The case model runs were performed on monitor well MW2 with sub-cases A through D.

For the Case 1 scenario, the two clay layers were modeled. Cases 1A through 1D, the constant PCE concentrations were varied by decreasing factors of 0.5, 0.25, and 0.13 starting at the detected concentrations (Case 1A). The following list is the break down of the concentrations use for Cases 1A through 1D at respective depths 29 and 59 bgs:

1A: 2200 ug/kg and 36 ug/kg
1B: 1100 ug/kg and 18 ug/kg
1C: 550 ug/kg and 9 ug/kg
1D: 275 ug/kg and 4.5 ug/kg

PCE concentrations were modeled to combined clay layer of 21.5 ft with each PCE concentration modeled into their respected layer at one foot of contaminated clay. The recharge rate was varied between 0.025 to 0.5 ft/yr.

7/26/2006

1. VLEACH Case 1A

Model Settings

[VLEACH] Case Settings

Parameter	Value	Units
Simulation Timestep	25	(years)
Simulation Length	100	(years)
Cell Number	50	(-)
Recharge Rate	0.5, 0.1, 0.50, 0.025	(ft/year)
Concentration in Recharge Water	0.000000000000	(mg/l)
Upper Boundary for Vapor	0.000000000000	(mg/l)
Lower Boundary for Vapor	0.000000000000	(mg/l)
Output Timestep	1.000	(years)

[VLEACH] Initial Conditions

#	Start Depth	End Depth	Initial Contaminant Concentration (µg/kg)
1	0	1	2200
2	1	5.5	0
3	5.5	6.5	36
4	6.5	21.5	0

Profile Structure

Layer	Top (ft)	Bottom (ft)	Thickness (ft)
Clay	0.0000	-21.5000	21.5000

1.1. Layer. Clay

[VLEACH] Soil Parameters

Parameter	Value	Units
Bulk Density	1.35	(g/cu.cm)
Effective Porosity	0.49	(vol/vol)
Water Content	0.3	(vol/vol)
Fraction Organic Content	0.4	(%%)

Chemical. Tetrachloroethylene

[VLEACH] Chemical Parameters

Parameter	Value	Units
Water Solubility	150	(mg/l)
Organic Carbon Partition Coefficient	660	(ml/g)
Henry Law Constant	0.923	(-)
Free Air Diffusion Coefficient	0.691	(m2/day)

2. VLEACH Case 1B

Model Settings

[VLEACH] Case Settings

Parameter	Value	Units
Simulation Timestep	25	(years)
Simulation Length	100	(years)
Cell Number	50	(-)
Recharge Rate	0.5, 0.1, 0.50, 0.025	(ft/year)
Concentration in Recharge Water	0.000000000000	(mg/l)
Upper Boundary for Vapor	0.000000000000	(mg/l)
Lower Boundary for Vapor	0.000000000000	(mg/l)
Output Timestep	1.000	(years)

[VLEACH] Initial Conditions

#	Start Depth	End Depth	Initial Contaminant Concentration (µg/kg)
1	**0**	**1**	1110
2	**1**	**5.5**	0
3	**5.5**	**6.5**	18
4	**6.5**	**21.5**	0

Profile Structure

Layer	Top (ft)	Bottom (ft)	Thickness (ft)
Clay	0.0000	-21.5000	21.5000

2.1. Layer. Clay

[VLEACH] Soil Parameters

Parameter	Value	Units
Bulk Density	1.35	(g/cu.cm)
Effective Porosity	0.49	(vol/vol)
Water Content	0.3	(vol/vol)
Fraction Organic Content	0.4	(%%)

Chemical. Tetrachloroethylene

[VLEACH] Chemical Parameters

Parameter	Value	Units
Water Solubility	150	(mg/l)
Organic Carbon Partition Coefficient	660	(ml/g)
Henry Law Constant	0.923	(-)
Free Air Diffusion Coefficient	0.691	(m2/day)

3. VLEACH Case 1C

Model Settings

[VLEACH] Case Settings

Parameter	Value	Units
Simulation Timestep	25	(years)
Simulation Length	100	(years)
Cell Number	50	(-)
Recharge Rate	0.5, 0.1, 0.50, 0.025	(ft/year)
Concentration in Recharge Water	0.000000000000	(mg/l)
Upper Boundary for Vapor	0.000000000000	(mg/l)
Lower Boundary for Vapor	0.000000000000	(mg/l)
Output Timestep	1.000	(years)

[VLEACH] Initial Conditions

#	Start Depth	End Depth	Initial Contaminant Concentration (µg/kg)
1	0	1	550
2	1	5.5	0
3	5.5	6.5	9
4	6.5	21.5	0

Profile Structure

Layer	Top (ft)	Bottom (ft)	Thickness (ft)
Clay	0.0000	-21.5000	21.5000

3.1. Layer. Clay

[VLEACH] Soil Parameters

Parameter	Value	Units
Bulk Density	1.35	(g/cu.cm)
Effective Porosity	0.49	(vol/vol)
Water Content	0.3	(vol/vol)
Fraction Organic Content	0.4	(%%)

Chemical. Tetrachloroethylene

[VLEACH] Chemical Parameters

Parameter	Value	Units
Water Solubility	150	(mg/l)
Organic Carbon Partition Coefficient	660	(ml/g)
Henry Law Constant	0.923	(-)
Free Air Diffusion Coefficient	0.691	(m2/day)

Model Settings

[VLEACH] Case Settings

Parameter	Value	Units
Simulation Timestep	25	(years)
Simulation Length	100	(years)
Cell Number	50	(-)
Recharge Rate	0.5, 0.1, 0.50, 0.025	(ft/year)
Concentration in Recharge Water	0.000000000000	(mg/l)
Upper Boundary for Vapor	0.000000000000	(mg/l)
Lower Boundary for Vapor	0.000000000000	(mg/l)
Output Timestep	1.000	(years)

[VLEACH] Initial Conditions

#	Start Depth	End Depth	Initial Contaminant Concentration (µg/kg)
1	0	1	275
2	1	5.5	0
3	5.5	6.5	4.5
4	6.5	21.5	0

Profile Structure

Layer	Top (ft)	Bottom (ft)	Thickness (ft)
Clay	0.0000	-21.5000	21.5000

4.1. Layer. Clay

[VLEACH] Soil Parameters

Parameter	Value	Units
Bulk Density	1.35	(g/cu.cm)
Effective Porosity	0.49	(vol/vol)
Water Content	0.3	(vol/vol)
Fraction Organic Content	0.4	(%%)

Chemical. Tetrachloroethylene

[VLEACH] Chemical Parameters

Parameter	Value	Units
Water Solubility	150	(mg/l)
Organic Carbon Partition Coefficient	660	(ml/g)
Henry Law Constant	0.923	(-)
Free Air Diffusion Coefficient	0.691	(m2/day)

MW2 Case 2A-2D

Model : VLEACH

An US EPA model for assessing contamination of soil and groundwater with volatile organic contaminants

Description:

For the Case 2 scenario, the two clay layers and five silty clay layers were modeled. For modeling purposes, the silty clay layers were assumed to have similar properties to the clay layers. Cases 2A through 2D, the constant PCE concentrations were varied by decreasing factors of 0.5, 0.25, and 0.13 starting at the detected concentrations (Case 2A). The following list is the break down of the concentrations use for Cases 2A through 2D at respective depths 4 bgs, 9 bgs, 19 bgs, 29 bgs, 59 bgs, and 69 bgs:

2A: 1500 ug/kg, 1400 ug/kg, 180 ug/kg, 2200 ug/kg, 36 ug/kg, and 3.8 ug/kg
2B: 750 ug/kg, 700 ug/kg, 90 ug/kg, 1100 ug/kg, 18 ug/kg, and 1.90 ug/kg
2C: 375 ug/kg, 350 ug/kg, 45 ug/kg, 550 ug/kg, 9 ug/kg, and 0.95 ug/kg
2D: 187.5 ug/kg, 175 ug/kg, 22.5 ug/kg, 275 ug/kg, 4.5 ug/kg, and 0.48 ug/kg

PCE concentrations were modeled to combined clay layer of 44 ft with each PCE concentration modeled into their respected layer at one foot of contaminated clay. The recharge rate was varied between 0.025 to 0.5 ft/yr.

7/26/2006

1. VLEACH Case 2A

Model Settings

[VLEACH] Case Settings

Parameter	Value	Units
Simulation Timestep	25	(years)
Simulation Length	100	(years)
Cell Number	50	(-)
Recharge Rate	0.5, 0.1, 0.50, 0.025	(ft/year)
Concentration In Recharge Water	0.000000000000	(mg/l)
Upper Boundary for Vapor	0.000000000000	(mg/l)
Lower Boundary for Vapor	0.000000000000	(mg/l)
Output Timestep	1.000	(years)

[VLEACH] Initial Conditions

#	Start Depth	End Depth	Initial Contaminant Concentration (µg/kg)
1	0	1	0
2	1	2	1500
3	2	6	0
4	6	7	1400
5	7	14	0
6	14	15	180
7	15	21	0
8	21	22	2200
9	22	28	0
10	28	29	36
11	29	38	0
12	38	39	3.8
13	39	44	0

Profile Structure

Layer	Top (ft)	Bottom (ft)	Thickness (ft)
Clay	0.0000	-44.0000	44.0000

1.1. Layer. Clay

[VLEACH] Soil Parameters

Parameter	Value	Units
Bulk Density	1.35	(g/cu.cm)
Effective Porosity	0.49	(vol/vol)
Water Content	0.3	(vol/vol)
Fraction Organic Content	0.4	(%%)

Chemical. Tetrachloroethylene

[VLEACH] Chemical Parameters

Parameter	Value	Units
Water Solubility	150	(mg/l)
Organic Carbon Partition Coefficient	660	(ml/g)
Henry Law Constant	0.923	(-)
Free Air Diffusion Coefficient	0.691	(m2/day)

4. VLEACH Case 2D

Model Settings

[VLEACH] Case Settings

Parameter	Value	Units
Simulation Timestep	25	(years)
Simulation Length	100	(years)
Cell Number	50	(-)
Recharge Rate	0.5, 0.1, 0.50, 0.025	(ft/year)
Concentration in Recharge Water	0.000000000000	(mg/l)
Upper Boundary for Vapor	0.000000000000	(mg/l)
Lower Boundary for Vapor	0.000000000000	(mg/l)
Output Timestep	1.000	(years)

[VLEACH] Initial Conditions

#	Start Depth	End Depth	Initial Contaminant Concentration (µg/kg)
1	0	1	0
2	1	2	187.5
3	2	6	0
4	6	7	175.00
5	7	14	0
6	14	15	22.5
7	15	21	0
8	21	22	275
9	22	28	0
10	28	29	4.5
11	29	38	0
12	38	39	.48
13	39	44	0

Profile Structure

Layer	Top (ft)	Bottom (ft)	Thickness (ft)
Clay	0.0000	-44.0000	44.0000

4.1. Layer. Clay

[VLEACH] Soil Parameters

Parameter	Value	Units
Bulk Density	1.35	(g/cu.cm)
Effective Porosity	0.49	(vol/vol)
Water Content	0.3	(vol/vol)
Fraction Organic Content	0.4	(%%)

Chemical. Tetrachloroethylene

[VLEACH] Chemical Parameters

Parameter	Value	Units
Water Solubility	150	(mg/l)
Organic Carbon Partition Coefficient	660	(ml/g)
Henry Law Constant	0.923	(-)
Free Air Diffusion Coefficient	0.691	(m2/day)

2. VLEACH Case 2B

Model Settings

[VLEACH] Case Settings

Parameter	Value	Units
Simulation Timestep	25	(years)
Simulation Length	100	(years)
Cell Number	50	(-)
Recharge Rate	0.5, 0.1, 0.50, 0.025	(ft/year)
Concentration in Recharge Water	0.000000000000	(mg/l)
Upper Boundary for Vapor	0.000000000000	(mg/l)
Lower Boundary for Vapor	0.000000000000	(mg/l)
Output Timestep	1.000	(years)

[VLEACH] Initial Conditions

#	Start Depth	End Depth	Initial Contaminant Concentration (µg/kg)
1	0	1	0
2	1	2	750
3	2	6	0
4	6	7	700
5	7	14	0
6	14	15	90
7	15	21	0
8	21	22	1100
9	22	28	0
10	28	29	18
11	29	38	0
12	38	39	1.90
13	39	44	0

Profile Structure

Layer	Top (ft)	Bottom (ft)	Thickness (ft)
Clay	0.0000	-44.0000	44.0000

2.1. Layer. Clay

[VLEACH] Soil Parameters

Parameter	Value	Units
Bulk Density	1.35	(g/cu.cm)
Effective Porosity	0.49	(vol/vol)
Water Content	0.3	(vol/vol)
Fraction Organic Content	0.4	(%%)

Chemical. Tetrachloroethylene

[VLEACH] Chemical Parameters

Parameter	Value	Units
Water Solubility	150	(mg/l)
Organic Carbon Partition Coefficient	660	(ml/g)
Henry Law Constant	0.923	(-)
Free Air Diffusion Coefficient	0.691	(m2/day)

3. VLEACH Case 2C

Model Settings

[VLEACH] Case Settings

Parameter	Value	Units
Simulation Timestep	25	(years)
Simulation Length	100	(years)
Cell Number	50	(-)
Recharge Rate	0.5, 0.1, 0.50, 0.025	(ft/year)
Concentration in Recharge Water	0.000000000000	(mg/l)
Upper Boundary for Vapor	0.000000000000	(mg/l)
Lower Boundary for Vapor	0.000000000000	(mg/l)
Output Timestep	1.000	(years)

[VLEACH] Initial Conditions

#	Start Depth	End Depth	Initial Contaminant Concentration (µg/kg)
1	0	1	0
2	1	2	375
3	2	6	0
4	6	7	350
5	7	14	0
6	14	15	45
7	15	21	0
8	21	22	550
9	22	28	0
10	28	29	9
11	29	38	0
12	38	39	.95
13	39	44	0

Profile Structure

Layer	Top (ft)	Bottom (ft)	Thickness (ft)
Clay	0.0000	-44.0000	44.0000

3.1. Layer. Clay

[VLEACH] Soil Parameters

Parameter	Value	Units
Bulk Density	1.35	(g/cu.cm)
Effective Porosity	0.49	(vol/vol)
Water Content	0.3	(vol/vol)
Fraction Organic Content	0.4	(%%)

Chemical. Tetrachloroethylene

[VLEACH] Chemical Parameters

Parameter	Value	Units
Water Solubility	150	(mg/l)
Organic Carbon Partition Coefficient	660	(ml/g)
Henry Law Constant	0.923	(-)
Free Air Diffusion Coefficient	0.691	(m2/day)

VLEACH MODELING OUTPUT

Description		Monitor Well MW1		Monitor Well MW2	
Case	Recharge Rate (ft/yr)	50 yr. concen.at sand (mg/l)	100 yr. concen.at sand (mg/l)	50 yr. concen.at sand (mg/l)	100 yr. concen.at sand (mg/l)
1A	0.5	0.00052	0.00076	0.00345	0.00533
	0.1	0.00044	0.00081	0.0005	0.00122
	0.05	1.40E-04	3.10E-04	1.71E-05	5.81E-05
	0.025	1.11E-05	3.23E-05	2.51E-07	7.57E-07
1B	0.5	0.000264	0.000381	0.001725	0.00266
	0.1	0.00022	0.00041	0.00025	0.00061
	0.05	7.00E-05	1.50E-04	8.58E-06	2.90E-05
	0.025	5.59E-06	1.61E-05	1.25E-07	3.78E-07
1C	0.5	0.00013	0.00019	0.000862	0.00133
	0.1	0.00011	0.0002	0.00012	0.0003
	0.05	3.50E-05	7.78E-05	4.29E-06	1.45E-05
	0.025	2.79E-06	8.09E-06	6.28E-08	1.89E-07
1D	0.5	6.54E-05	9.43E-05	0.00042	0.00066
	0.1	5.49E-05	0.0001	6.28E-05	0.00015
	0.05	1.72E-05	3.83E-05	2.14E-06	7.26E-06
	0.025	1.31E-06	3.99E-06	3.13E-08	9.46E-08
2A	0.5	0.00216	0.00353	0.00539	0.00883
	0.1	0.00032	0.00069	0.000485	0.00117
	0.05	6.92E-05	1.60E-04	4.15E-05	0.0001
	0.025	9.25E-06	2.28E-05	1.27E-05	2.72E-05
2B	0.5	0.00108	0.00176	0.00269	0.0044
	0.1	0.00016	0.00034	0.00024	0.000587
	0.05	3.46E-05	8.05E-05	2.07E-05	5.22E-05
	0.025	4.62E-06	1.14E-05	6.36E-06	1.35E-05
2C	0.5	0.00054	0.00088	0.00134	0.0022
	0.1	8.22E-05	0.00017	0.00012	0.00029
	0.05	1.73E-05	4.02E-05	1.04E-05	2.61E-05
	0.025	2.31E-06	5.72E-06	3.19E-06	6.80E-06
2D	0.5	2.70E-04	4.40E-04	6.70E-04	1.10E-03
	0.1	4.11E-05	8.60E-05	6.07E-05	1.00E-04
	0.05	8.66E-06	2.01E-05	5.19E-06	1.30E-05
	0.025	1.15E-06	2.86E-06	1.59E-06	3.40E-06