



May 27, 2009

Project No. 01-114

Mr. Greg Holmes, Unit Chief
Southern California Cleanup Operations Branch – Cypress Office
Attention: Mr. Safouh Sayed, Project Manager
Southern California Cleanup Operations Branch, Cypress
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, CA 90630-4732

Ascon Landfill Site
Interim Removal Measure Technical Memorandum

Dear Mr. Sayed:

Enclosed please find two copies of the Interim Removal Measure Technical Memorandum for the Ascon Landfill Site located in Huntington Beach, California.

Please feel free to contact me if you have any questions or comments at (714) 388-1804 or tzeier@projectnavigator.com.

Sincerely,

Tamara Zeier, P.E.
Ascon Landfill Site Project Coordinator

TZ:tz

Enclosure: Ascon Landfill Site Interim Removal Measure Technical Memorandum

cc: Eric Maher, DTSC
Ascon Landfill Site Responsible Parties
Mark Grivetti, Geosyntec Consultants
Mary Urashima, Urashima and Associates
Steve Howe, Project Navigator, Ltd.

Prepared for
Ascon Landfill Site Responsible Parties

TECHNICAL MEMORANDUM – INTERIM REMOVAL MEASURE - SAMPLING OF LAGOONS 1 AND 2

**Ascon Landfill Site
Huntington Beach, California**

Prepared by



engineers | scientists | innovators

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May 27, 2009

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1 INTRODUCTION AND BACKGROUND

1.1 Preface

This technical memorandum summarizes field data and laboratory results collected during a lagoon and soil sampling investigation conducted in January 2009 at the Ascon Landfill Site (Site) in Huntington Beach, California. The information will be used to support planning of the Interim Removal Measure (IRM) and better define specific field methods to be employed during IRM implementation. The sampling and reporting were conducted in accordance with a sampling plan titled *Technical Memorandum - Interim Removal Measure – Sampling Plan Lagoons 1 and 2* (IRM Sampling Plan), submitted to DTSC on November 5, 2008, and planned soil sampling using a CPT rig per verbal communications with DTSC in January 2009. Described in the sampling plan are procedures for sample collection and laboratory testing of tarry materials within Lagoons 1 and 2. The sampling plan was prepared by Geosyntec Consultants, Inc. (Geosyntec) under the direction of Project Navigator, Ltd. on behalf of the Ascon Landfill Site Responsible Parties (RPs). The sampling plan was prepared for submittal to the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC), and was accepted by DTSC via email on November 12, 2008.

The initial sampling and testing activities for use in the IRM planning included:

- Sampling and testing of tarry materials for chemical and physical characteristics;
- Sampling and recycling feasibility testing by vendors; and
- Sampling and testing of Site soil for lead concentrations to obtain data to assist in potential future profiling of Site materials, if determined to be needed.

1.2 Background

The Site is approximately 38 acres and includes five lagoons (Lagoons 1-5), one covered pit, and seven former pits that are no longer visible (**Figure 1**). Since operation of the Site began in 1938, various types of waste were accepted until the Site stopped receiving waste in 1984. The largest volume of wastes disposed at the Site consists of drilling mud and oil field wastes that have been found to be present throughout most of the Site. Additionally, chromic and sulfuric acids, aluminum slag, fuel oils, styrene, asphaltic concrete, concrete, wood, and other construction debris were reportedly

disposed at the Site. The combined thickness of soil, construction debris, and waste materials throughout most of the Site ranges from approximately 5 to 25 feet (ft).

Lagoons 1 and 2 contain viscous tarry materials and drilling muds. Investigations conducted in 2004 included sampling of the tarry materials from Lagoons 1 and 2 and limited treatability testing that included ex-situ chemical oxidation and sludge liquification. These studies are reported in the Revised Feasibility Study (RFS) (PNL, 2007).

2 METHODOLOGY

2.1 Health and Safety

The Site-specific Health and Safety Plan (HASP) was updated to include the scope of work outlined in the IRM Sampling Plan. The HASP addresses potential health and physical hazards at Lagoons 1 and 2, including requirements for worker protection. All personnel and subcontractors working on the Site reviewed the HASP prior to performing work activities. The HASP was included as an appendix to the October 2008 IRM Work Plan, and was updated per the DTSC-accepted RPs' responses to DTSC's December 17, 2008, comments on the November 2008 Interim Removal Measure Health and Safety Plan.

2.2 Lagoons 1 and 2 Probing and Sampling

Heavy equipment operations were performed by Remedial Construction Services (RECON) of Santa Maria, California, on January 27 and 28, 2009. Prior to lagoon probing and materials sample collection, the netting covering Lagoons 1 and 2 was removed. Samples of the tarry materials were collected using a long-reach excavator.

During sampling operations, the excavator was positioned on the berms immediately surrounding the lagoons. From the berm areas, the excavator arm was extended out into the lagoons to the maximum length feasible, allowing for downward sampling. The excavator bucket was pushed down to the bottom of the tarry materials to determine the depth of material in each sampling location. Generally, the excavator was used to sample the tarry materials above the lagoon bottom. Upon refusal at the bottom of the lagoon, the approximate depth was noted, and the bucket arm was raised back up, collecting material in the bucket. The filled bucket was brought back to the berm onto an area covered in plastic sheeting. Material from the excavator bucket was screened for total volatile organic compounds (VOCs) using a photoionization detector (PID) for health and safety purposes, then if warranted based on PID results, monitored for

benzene and 1,2-dichloroethane. All results were recorded on field forms. Following health and safety monitoring, the material was collected from the excavator bucket into various sample containers for vendor treatability, recyclability, and analytical testing.

On January 27, 2009, four locations in each of Lagoons 1 and 2 were probed and then sampled with the excavator. Five additional locations in Lagoon 1 were probed. **Figure 2** shows the probe and sample locations. Samples collected in January 2009 were collected for laboratory chemical and physical analysis, and vendor treatability/recyclability evaluations. Samples for laboratory analyses were collected in 8-oz. glass jars supplied by the laboratories. Vendor samples were collected in lined 5-gallon containers or ¼- to 1-gallon size cans. A drum of tarry materials from each of the eight sample locations was retained for potential future analyses. Two roll-off bins containing Lagoon 1 and 2 materials were also transported to Chemical Waste Management, Inc., in Kettleman City, California, for testing. Based on individual vendor requests, treatability samples were either composited from the four locations in each lagoon, resulting in one composite sample from each of the two lagoons, or not composited, resulting in four individual grab samples from each lagoon. Details of the sampling containers, type and volume of material, laboratories, vendors, and analyses are included in **Table 1**. Vendor chain-of-custody forms (COCs) and the waste manifests for the roll-off bins are included as **Appendix A**. The containers were all sealed in order to minimize any odors and potential leaks during transport.

In addition to the sampling of lagoon materials, Site soils that may potentially be used as admixtures were collected on January 28, 2009, from four locations throughout the Site and composited for vendor analysis. The soils were collected in 5-gallon buckets (**Table 1**).

The containers of both tarry materials and Site soils were transported as non-regulated material based on the small quantities and past analytical testing that indicated a non-RCRA hazardous designation of the material.

2.3 Lagoon 3 Probing

On January 28, 2009, ten locations in Lagoon 3 were probed along the western and northern portions of the lagoon area (**Figure 3**) upon DTSC's approval. The probing was conducted to ascertain the depths of material for future reference, and no samples were collected. The probing operations followed the same procedures outlined above.

2.4 Direct Push Soil Sampling

To obtain Site soil data for potential future profiling of Site materials, twenty (20) soil borings were completed on January 29 and 30, 2009. The soil samples were tested for lead in the field, and selected samples were sent to Test America for Title 22 metals analysis. The locations of the borings are shown on **Figure 4**. The drilling was performed by Gregg Drilling of Signal Hill, California, using a track mount “rhino” drill rig. Direct push soil borings were continuously cored to a depth of 8 feet below ground surface (bgs) and sampled using a standard macro-core continuous sampling system fitted with standard core barrels and dedicated/disposable (1-¾-inch diameter by 4-foot long) acetate liners. A portion of the retained soil cores were screened with a PID for potential organic vapors and visually logged noting changes in lithology and depth of fill. Soil logging and sample collection were performed by a California Professional Geologist in general accordance with the Unified Soil Classification System (USCS).

To complete the metals analysis, sections of the soil liner approximately 8 inches in length were cut and capped with Teflon© tape and plastic caps at appropriate depth intervals. These soil core samples were then cut into a 3-inch section for in-field lead analysis by X-ray fluorescence and a 5-inch section for fixed laboratory analysis of metals. Details of the soil sampling containers, laboratories, and analyses are included in **Table 1**.

2.5 Additional Sampling of Lagoon Material

Additional sampling of Lagoon 1 and 2 materials from retained drums was performed on February 27, 2009. The sampling event was performed to collect materials for additional laboratory physical properties analyses plus total VOC vapor analysis using a PID. The eight samples were collected in quart size (¼-gallon) cans and brass sleeves (**Table 1**). In addition, one sample was collected from each of Lagoons 1 and 2. These samples consisted of tarry material that flowed from the mounded lagoon materials that were surfaced during the January 2009 sampling event. Locations of these two tar samples collected in the lagoons corresponded with January 2009 sample locations L1-N/L1-E in Lagoon 1 and L2-N in Lagoon 2.

2.6 Laboratory Methods

2.6.1 Lagoon Material Samples

Samples collected from Lagoons 1 and 2 on January 28, 2009, were sent to Test America laboratory under proper chain-of-custody (COC) protocol for chemical and

physical analytical testing. Samples were analyzed for VOCs by EPA Method 8260B, semi-volatile organic compounds (SVOCs) by EPA Method 8270C, Title 22 metals by EPA Method 6010B, total petroleum hydrocarbon (TPH) distribution by EPA Method 8015B, organochlorine pesticides by EPA Method 8081A, and polychlorinated biphenyls by EPA Method 8082. Additional tests included paint filter tests by method SWA-846, pH by EPA Method 9045C, specific gravity by ASTM D-96, and the CCR Title 22 Fathead Minnow Screen Bioassay.

Analyses completed following receipt of metal results included the CA-Waste Extraction Test (WET) for metals whose total concentration exceeded 10 times its respective Soluble Threshold Limit Concentration (STLC) and the Toxicity Characteristic Leaching Procedure (TCLP) test for any metal whose total concentration exceeded 20 times its respective threshold.

After initial laboratory results were reviewed, replicate total lead and replicate lead TCLP/WET testing on samples L1-S and L2-E was performed by Calscience Environmental Laboratories of Garden Grove, California. Test America also conducted replicate total lead and lead TCLP analyses on these samples after Calscience completed their analyses. Replicate sample aliquots were taken from the same sample container (jar) as the primary samples.

Physical property and total VOC vapor analyses using field instrumentation were performed by PTS Laboratories on lagoon samples collected on February 27, 2009. These samples consisted of the lagoon material in the retained drums and the two samples of tarry material that was at the lagoon surface at the January 2009 sample locations. Analyses performed by PTS were pore fluid saturation by the Dean-Stark method, measurements of dynamic viscosity throughout a range of temperatures, and PID readings for total VOCs at each temperature interval. In addition to the standard viscosity readings at 70, 100, and 130 degrees Fahrenheit, additional readings at 50, 60, 80, and 90 degrees Fahrenheit were added to obtain representative material fluidity at potential ambient conditions.

2.6.2 Soil Samples

Field lead testing using X-ray fluorescence methodology was performed by PCR Mobile Laboratories on 68 primary and duplicate soil samples collected at the Site between January 29 and 30, 2009. X-ray fluorescence was applied to 3-inch sections of the soil core that were cut from overall 8-inch sections of continuous core at each sampling location and depth.

Based on the mobile laboratory X-ray fluorescence results, 12 soil samples including two duplicate samples were sent to Test America for Title 22 metals by EPA Method 6010B analysis. The Title 22 metals analysis was conducted on the remaining 5-inches of the selected cores.

2.7 Vendor Treatability Evaluation

Lagoon and soil samples were collected and transferred to different vendors. A list of vendors is summarized in **Table 1**. This memorandum does not present the results of the vendors' treatability/recyclability evaluations. The vendors' results will be used by the respective vendors for use in preparing a future proposal to conduct the IRM work at the Site. Vendor COCs and a waste manifest are included in **Appendix A**.

3 FIELD OBSERVATIONS

3.1 Lagoon Probing and Sampling

Four locations in Lagoon 1 (L1-N, L1-S, L1-E, and L1-W) were sampled and probed for depth (i.e., depth of refusal). Depths of Lagoon 1 material were 16 ft, 8 ft, 13 ft, and 16 ft, respectively (**Figure 2**). An additional 5 locations were probed in Lagoon 1 at the northeastern and northwestern corners. Measured depths of material were 0 ft-1 ft deep in the NE corner and 5 ft-12 ft deep in the NW corner.

Four locations in Lagoon 2 were sampled and probed for depth (i.e., depth of refusal) at locations L2-N, L2-S, L2-E, and L2-W. Depths of Lagoon 2 material were 13 ft, 13 ft, 16 ft, and 5 ft, respectively. The probing and sampling locations in Lagoons 1 and 2 are shown on **Figure 2**.

Lagoon 3 was probed at 10 locations in its southwestern, western, and northern portions to ascertain the depths of material for future reference. Depths of Lagoon 3 material ranged from 3 ft to 4 ft in the SW corner, 3 ft to 6 ft in the western portion, and 2 ft to 3 ft in the northern portion. Lagoon 3 probing locations are shown on **Figure 3**. Photographs of the probing and sampling of Lagoons 1, 2, and 3 are included as **Appendix B**.

During the probing and sampling of the Site lagoons, air monitoring was performed to ensure worker and public safety. Documents of health and safety forms, air monitoring logs, instrument calibration logs, and Site visitor records are included as **Appendices C through E**.

3.2 Soil Sampling for Lead Analysis

Twenty soil borings were drilled on the Site using direct push technology. Three soil samples were collected from each boring and analyzed for lead by mobile laboratory using X-ray fluorescence methodology. The locations of the borings, which were predominantly east of Lagoons 1, 2, and 3, are shown on **Figure 4**. Photographs of the drilling are included as **Appendix B** and the boring logs are included as **Appendix F**. Soils were logged as fill material generally consisting of silty sand grading to sandy silty clay with asphalt, brick, and concrete fragments present.

A PID was used during drilling as a screening tool for total VOC vapors. The VOC readings to the west of Lagoons 1, 2, and 3 were all 0 parts per million (ppm). The highest VOC reading east of Lagoons 1 and 2 was 1.9 ppm and was detected in SB-18 at 7.5 feet bgs. Readings were detected in 6 out of 9 borings located east of Lagoon 3. The PID readings in the 6 borings ranged from 0.5 to 8.5 ppm. The highest PID reading was recorded in boring SB-10 at 2.5 feet bgs.

4 ANALYTICAL RESULTS

4.1 Lagoon Material Chemical and Physical Results

The results of the laboratory analyses conducted by Test America, Calscience Environmental Laboratories, and PTS on Lagoons 1 and 2 material samples are summarized in **Tables 2** through **8**. Chemical analytical results are reported in the following tables:

- Table 2 – VOCs
- Table 3 – SVOCs
- Table 4 – Title 22 Metals
- Table 5 – STLC and TCLP Testing
- Table 6 – Organochlorine Pesticides
- Table 7 – TPH
- Table 8 – Polychlorinated Biphenyls

Physical and bioassay analyses were performed by Test America and PTS, and results are summarized in **Tables 9** and **10**. The laboratory reports from Test America, Calscience Laboratories, and PTS are included in **Appendices G, H, and I**, respectively. The results from the tarry material will be used to evaluate disposal and/or recycle options for the Interim Removal Measure and full-scale remedy.

4.2 Soil Results

The results of the soil lead analyses conducted in the field by PCR Mobile Laboratories are reported in **Table 11a**. The results of the Title 22 metals soil analyses conducted by Test America are reported in **Table 11b**. The Test America and PCR reports are included as **Appendices G and J**, respectively.

If you have any questions regarding this report, please contact Tamara Zeier of Project Navigator at 714-388-1804 or tzeier@projectnavigator.com.

Sincerely,

Geosyntec Consultants, Inc.

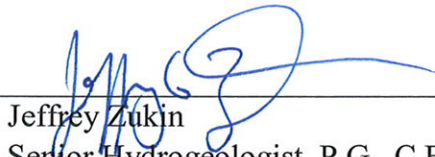
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REFERENCES

Project Navigator, Ltd., Geosyntec Consultants (2008) *“Technical Memorandum - Interim Removal Measure – Sampling Plan Lagoons 1 and 2 – Ascon Landfill Site, Huntington Beach, California”*.

Project Navigator, Ltd. (2007) *“Revised Feasibility Study – Ascon Landfill Site, Huntington Beach, California”*.

TABLES

Table 1
Summary of Site Material Sampling and Laboratory/Vendor List
Samples Collected January 27 - 30, and February 27, 2009

Laboratory/Vendor	Date Sample Collected	Sample Containers	Composite or Non-Composite Samples	Analysis
Lagoon Material				
Test America Laboratory Calscience Environmental Laboratories, Inc. ^a	January 28, 2009*	8-ounce Glass Jars	Non-Composite	VOCs, SVOCs, Title 22 Metals, TPH, Organochlorine Pesticides, PCBs, Paint Filter, pH, Specific Gravity, BioAssay, TCLP, Ca-Wet Test
PTS Laboratories	February 27, 2009	1-Quart Cans + 2"x3" Brass Sleeves	Non-Composite	Pore Fluid Saturations Package, Specific Gravity, Density, and Viscosity
RTS DeMenno Kerdoon	January 27, 2009	1-Quart Cans	Composite Non-Composite	Treatability Evaluation
PSC Industrial	January 27, 2009	1-Gallon Cans	Non-Composite	Treatability Evaluation
Recon Services Clean Harbors Envirocon Lunday Thagard Soil Pacific Inc. Filter Recycling Entact	January 27, 2009	5-gallon Buckets	Composite	Treatability Evaluation
Waste Management	January 28, 2009	Roll-Off Bins	Non-Composite	Treatability Evaluation
Soil Material				
PCR Mobile Laboratories	January 29 - 30, 2009	Acetate Core	Non-Composite	Lead Screening
Test America Laboratory				Title 22 Metals
Recon Services Envirocon	January 28, 2009	5-gallon Buckets	Composite	Treatability Evaluation

VOCs: Volatile Organic Compounds

SVOCs: Semi-Volatile Organic Compounds

TPH: Total Petroleum Hydrocarbons

PCBs: Polychlorinated Biphenyls

*: Lab samples collected from drums originally sampled on January 27, 2009.

^a: Calscience only performed replicate analysis for total lead and lead STLC/TCLP.

Table 2
VOC Analysis Results - Lagoon Material
Samples Collected on January 28, 2009

VOC	Sample Identification									
	L1-E	L1-N	L1-S	L1-W	L1-W-dup	L2-E	L2-N	L2-S	L2-W	L2-W-dup
1,1,1,2-Tetrachloroethane	< 2700	< 2600	< 2400	< 2400	< 2600	< 2300	< 2500	< 2200	< 2500	< 2500
1,1,1-Trichloroethane	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
1,1,2,2-Tetrachloroethane	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	2600	< 990
1,1,2-Trichloroethane	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
1,1-Dichloroethane	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
1,1-Dichloroethylene	< 2700	< 2600	< 2400	< 2400	< 2600	< 2300	< 2500	< 2200	< 2500	< 2500
1,1-Dichloropropene	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
1,2,3-Trichlorobenzene	< 2700	< 2600	< 2400	< 2400	< 2600	< 2300	< 2500	< 2200	< 2500	< 2500
1,2,3-Trichloropropane	< 5300	< 5200	< 4800	< 4900	< 5100	< 4600	< 4900	< 4500	< 5100	< 5000
1,2,4-Trichlorobenzene	< 2700	< 2600	< 2400	< 2400	< 2600	< 2300	< 2500	< 2200	< 2500	< 2500
1,2,4-Trimethylbenzene	66000	1500	31000	53000	47000	64000	37000	40000	45000	50000
1,2-Dibromo-3-chloropropane	< 2700	< 2600	< 2400	< 2400	< 2600	< 2300	< 2500	< 2200	< 2500	3000
1,2-Dibromoethane	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
1,2-Dichlorobenzene	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
1,2-Dichloroethane	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
1,2-Dichloropropane	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
1,3,5-Trimethylbenzene	21000	12000	3500	21000	17000	23000	14000	7500	8100	16000
1,3-Dichlorobenzene	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
1,3-Dichloropropane	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
1,4-Dichlorobenzene	1800	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
2,2-Dichloropropane	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
2-Chlorotoluene	< 2700	< 2600	< 2400	< 2400	< 2600	< 2300	< 2500	< 2200	< 2500	< 2500
4-Chlorotoluene	< 2700	< 2600	< 2400	< 2400	< 2600	< 2300	< 2500	< 2200	< 2500	< 2500
4-Isopropyltoluene	12000	7700	7700	5200	5200	8800	9600	7800	13000	11000
Benzene	2600	8300	2100	3200	2800	4000	1900	3500	3000	2200
Bromobenzene	< 2700	< 2600	< 2400	< 2400	< 2600	< 2300	< 2500	< 2200	< 2500	< 2500
Bromochloromethane	< 2700	< 2600	< 2400	< 2400	< 2600	< 2300	< 2500	< 2200	< 2500	< 2500
Bromodichloromethane	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
Bromoform	< 2700	< 2600	< 2400	< 2400	< 2600	< 2300	< 2500	< 2200	< 2500	< 2500
Bromomethane	< 2700	< 2600	< 2400	< 2400	< 2600	< 2300	< 2500	< 2200	< 2500	< 2500
Carbon tetrachloride	< 2700	< 2600	< 2400	< 2400	< 2600	< 2300	< 2500	< 2200	< 2500	< 2500
Chlorobenzene	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
Chloroethane	< 2700	< 2600	< 2400	< 2400	< 2600	< 2300	< 2500	< 2200	< 2500	< 2500
Chloroform	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
Chloromethane	< 2700	< 2600	< 2400	< 2400	< 2600	< 2300	< 2500	< 2200	< 2500	< 2500
cis-1,2-Dichloroethene	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
cis-1,3-Dichloropropene	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
Dibromochloromethane	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	6900
Dibromomethane	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
Dichlorodifluoromethane	< 2100	< 2100	< 1900	< 1900	< 2000	< 1800	< 2000	< 1800	< 2000	< 2000
Ethylbenzene	22000	48000	17000	16000	18000	19000	14000	14000	30000	28000
Hexachlorobutadiene	< 2700	< 2600	< 2400	< 2400	< 2600	< 2300	< 2500	< 2200	< 2500	< 2500
Isopropylbenzene	13000	18000	7300	11000	11000	9000	9300	6700	11000	6800
m,p-Xylene	32000	3200	5400	34000	29000	40000	18000	15000	20000	24000
Methylene chloride	< 11000	< 10000	< 9600	< 9700	< 10000	< 9200	< 9800	< 8900	< 10000	< 9900

Table 2
VOC Analysis Results - Lagoon Material
Samples Collected on January 28, 2009

VOC	Sample Identification									
	L1-E	L1-N	L1-S	L1-W	L1-W-dup	L2-E	L2-N	L2-S	L2-W	L2-W-dup
Naphthalene	29000	110000	51000	25000	24000	40000	27000	24000	66000	33000
n-Butylbenzene	< 2700	27000	< 2400	7900	7400	< 2300	10000	< 2200	< 2500	< 2500
n-Propylbenzene	23000	37000	14000	22000	22000	17000	16000	12000	21000	12000
o-Xylene	17000	3500	1600	11000	10000	24000	8000	3300	10000	16000
sec-Butylbenzene	11000	18000	8300	6100	5700	7100	7800	6400	11000	8000
Styrene	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
tert-Butylbenzene	< 2700	< 2600	< 2400	< 2400	< 2600	< 2300	< 2500	< 2200	< 2500	< 2500
Tetrachloroethylene	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
Toluene	5500	1400	< 960	4400	3900	10000	< 980	< 890	10000	9500
trans-1,2-Dichloroethylene	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
trans-1,3-Dichloropropene	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
Trichloroethylene	< 1100	< 1000	< 960	< 970	< 1000	< 920	< 980	< 890	< 1000	< 990
Trichlorofluoromethane	< 2700	< 2600	< 2400	< 2400	< 2600	< 2300	< 2500	< 2200	< 2500	< 2500
Vinyl chloride	< 2700	< 2600	< 2400	< 2400	< 2600	< 2300	< 2500	< 2200	< 2500	< 2500

Analysis by EPA Method 8260B
VOC: Volatile Organic Compound
All results in µg/kg: micrograms per kilogram
Detections indicated in **Bold**
dup: Duplicate

Table 3
SVOC Analysis Results - Lagoon Material
Samples Collected on January 28, 2009

SVOC	Sample Identification									
	L1-E	L1-N	L1-S	L1-W	L1-W-dup	L2-E	L2-N	L2-S	L2-W	L2-W-dup
1,2,4-Trichlorobenzene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
1,2-Dichlorobenzene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
1,2-Diphenylhydrazine/Azobenzene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
1,3-Dichlorobenzene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
1,4-Dichlorobenzene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
2,4,5-Trichlorophenol	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
2,4,6-Trichlorophenol	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
2,4-Dichlorophenol	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
2,4-Dimethylphenol	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
2,4-Dinitrophenol	< 39000	< 49000	< 40000	< 49000	< 49000	< 49000	< 20000	< 25000	< 25000	< 79000
2,4-Dinitrotoluene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
2,6-Dinitrotoluene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
2-Chloronaphthalene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
2-Chlorophenol	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
2-Methyl-4,6-dinitrophenol	< 25000	< 31000	< 25000	< 31000	< 31000	< 31000	< 13000	< 16000	< 16000	< 50000
2-Methylnaphthalene	26000	110000	44000	49000	32000	41000	25000	28000	43000	93000
2-Methylphenol	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
2-Nitroaniline	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
2-Nitrophenol	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
3,3'-Dichlorobenzidine	< 50000	< 62000	< 50000	< 62000	< 62000	< 62000	< 25000	< 31000	< 31000	< 99000
4-Bromophenyl phenyl ether	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
4-Chloro-3-methylphenol	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
4-Chloroaniline	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
4-Chlorophenyl phenyl ether	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
4-Nitroaniline	< 50000	< 62000	< 50000	< 62000	< 62000	< 62000	< 25000	< 31000	< 31000	< 99000
4-Nitrophenol	< 50000	< 62000	< 50000	< 62000	< 62000	< 62000	< 25000	< 31000	< 31000	< 99000
Acenaphthene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Acenaphthylene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Aniline	< 25000	< 31000	< 25000	< 31000	< 31000	< 31000	< 13000	< 16000	< 16000	< 50000
Anthracene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Benzidine	< 39000	< 49000	< 40000	< 49000	< 49000	< 49000	< 20000	< 25000	< 25000	< 79000
Benzo(a)anthracene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Benzo(a)pyrene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Benzo(b)fluoranthene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Benzo(g,h,i)perylene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Benzo(k)fluoranthene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Benzoic acid	< 50000	< 62000	< 50000	< 62000	< 62000	< 62000	< 25000	< 31000	< 31000	< 99000
Benzyl alcohol	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Bis(2-chloroethoxy)methane	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Bis(2-chloroethyl)ether	< 10000	< 12000	< 10000	< 12000	< 13000	< 12000	< 5000	< 6200	< 6300	< 20000
Bis(2-chloroisopropyl)ether	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Bis(2-ethylhexyl)phthalate	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Butyl benzyl phthalate	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Chrysene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000

Table 3
SVOC Analysis Results - Lagoon Material
Samples Collected on January 28, 2009

SVOC	Sample Identification									
	L1-E	L1-N	L1-S	L1-W	L1-W-dup	L2-E	L2-N	L2-S	L2-W	L2-W-dup
Dibenzo(a,h)anthracene	< 25000	< 31000	< 25000	< 31000	< 31000	< 31000	< 13000	< 16000	< 16000	< 50000
Dibenzofuran	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Diethylphthalate	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Dimethylphthalate	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Di-n-butylphthalate	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Di-n-octylphthalate	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Fluoranthene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Fluorene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Hexachlorobenzene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Hexachlorobutadiene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Hexachlorocyclopentadiene	< 50000	< 62000	< 50000	< 62000	< 62000	< 62000	< 25000	< 31000	< 31000	< 99000
Hexachloroethane	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Indeno(1,2,3-c,d)pyrene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Isophorone	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
m-Nitroanaline	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Naphthalene	< 20000	37000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	14000	< 40000
Nitrobenzene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
N-Nitroso-Di-n-propylamine	< 15000	< 19000	< 15000	< 19000	< 19000	< 19000	< 7500	< 9300	< 9400	< 30000
N-Nitrosodiphenylamine	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	100000	< 13000	< 40000
p-Cresol	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Pentachlorophenol	< 50000	< 62000	< 50000	< 62000	< 62000	< 62000	< 25000	< 31000	< 31000	< 99000
Phenanthrene	< 20000	29000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Phenol	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000
Pyrene	< 20000	< 25000	< 20000	< 25000	< 25000	< 25000	< 10000	< 12000	< 13000	< 40000

Analysis by EPA Method 8270C
SVOC: Semi-Volatile Organic Compound
All results in µg/kg: micrograms per kilogram
Detections indicated in **Bold**
dup: Duplicate

Table 4
Metal Analysis Results - Lagoon Material
Samples Collected on January 28, 2009

METAL	Sample Identification													
	L1-E	L1-N	L1-S	L1-S- repCS	L1-S- repTA	L1-W	L1-W- dupTA	L2-E	L2-E- repCS	L1-E- repTA	L2-N	L2-S	L2-W	L2-W- dupTA
Antimony	< 10	< 100	< 10	--	--	< 10	< 10	22	--	--	< 10	< 10	< 10	< 10
Arsenic	31	45	21	--	--	16	16	95	--	--	50	47	71	53
Barium	3100	640	2800	--	--	810	3900	650	--	--	3600	1100	460	990
Beryllium	< 0.50	< 5.0	< 0.50	--	--	< 0.50	< 0.50	< 0.50	--	--	< 0.50	< 0.50	< 0.50	< 0.50
Cadmium	170	21	3.1	--	--	40	13	12	--	--	1.8	2.5	77	59
Chromium	280	220	100	--	--	45	59	120	--	--	120	150	160	120
Cobalt	2.5	< 10	3.5	--	--	2.7	1.8	9.3	--	--	2.1	3.4	3.7	4.3
Copper	31	58	53	--	--	22	22	44	--	--	23	31	49	46
Lead	75	1400	1200	1560	950	90	92	3500	617	910	160	260	230	370
Mercury	0.58	2.5	1.2	--	--	0.62	0.23	0.57	--	--	0.39	0.18	0.27	0.29
Molybdenum	5	< 20	3.5	--	--	5	3.8	3.8	--	--	< 2.0	2.3	3.9	4
Nickel	35	32	26	--	--	46	39	35	--	--	23	32	55	59
Selenium	< 2.0	< 20	< 2.0	--	--	< 2.0	< 2.0	< 2.0	--	--	< 2.0	< 2.0	< 2.0	< 2.0
Silver	39	< 10	1.1	--	--	2.4	1.3	1.4	--	--	< 1.0	< 1.0	3.1	2.6
Thallium	< 10	< 100	< 10	--	--	< 10	< 10	< 10	--	--	< 10	< 10	< 10	< 10
Vanadium	23	23	21	--	--	20	29	27	--	--	19	25	20	52
Zinc	190	6800	520	--	--	130	110	1500	--	--	130	180	1100	1100

Analysis by EPA Method 6010B

repCS: Replicate analyses performed on sample by Calscience Laboratories

dup/repTA: Duplicate (dup) or replicate (rep) analyses performed on sample by Test America

All results in mg/kg: milligrams per kilogram

dup: Duplicate

Table 5
STLC / TCLP Analysis Results - Lagoon Material
Samples Collected on January 28, 2009

METAL - STLC	Sample Identification														STLC
	L1-E	L1-N	L1-S	L1-S- repCS	L1-S- repTA	L1-W	L1-W- dupTA	L2-E	L2-E- repCS	L2-E- repTA	L2-N	L2-S	L2-W	L2-W- dupTA	
Arsenic	1.2	1	0.84	--	--	1	0.53	1.9	--	--	0.96	1.6	0.88	1.2	5
Barium	38	35	40	--	--	24	21	45	--	--	25	27	47	56	100
Cadmium	< 0.10	< 0.10	< 0.10	--	--	2.5	0.88	< 0.10	--	--	< 0.10	< 0.10	< 0.10	< 0.10	1
Chromium	13	11	3.8	--	--	2.4	1.2	2.8	--	--	2.9	3	5.4	4.4	5
Lead	1.2	2.6	26	26.2	--	3	2	17	1.22	--	3.6	0.18	0.25	0.24	5
Mercury	NA	< 0.0020	NA	--	--	NA	NA	NA	--	--	NA	NA	NA	NA	0.2
Nickel	NA	0.33	NA	--	--	NA	NA	NA	--	--	NA	NA	NA	NA	20
Zinc	NA	18	NA	--	--	NA	NA	NA	--	--	NA	NA	NA	NA	250
METAL - TCLP	Sample Identification														TCLP Limits
	L1-E	L1-N	L1-S	L1-S- repCS	L1-S- repTA	L1-W	L1-W- dupTA	L2-E	L2-E- repCS	L2-E- repTA	L2-N	L2-S	L2-W	L2-W- dupTA	
Barium	10	17	20	--	--	5.8	6.7	17	--	--	11	7.8	27	24	100
Cadmium	<0.10	<0.10	<0.10	--	--	0.16	0.34	<0.10	--	--	<0.10	<0.10	<0.10	<0.10	1
Chromium	0.49	0.32	0.19	--	--	<0.10	0.13	0.19	--	--	0.21	0.18	0.36	0.26	5
Lead	1.1	3.7	19	2.5	12	0.52	0.67	16	0.67	3	0.18	0.35	0.76	0.42	5

Analysis by EPA Method 6010B/7470A

All results in mg/L: milligrams per liter

STLC: Soluble Threshold Limits Concentration

TCLP: Toxicity Characteristic Leaching Procedure

NA: Not Analyzed

repCS: Replicate analyses performed on sample by Calscience Laboratories

dup/repTA: Duplicate (dup) or replicate (rep) analyses performed on sample by Test America

Concentration above STLC or TCLP Limit

Table 6
Organochlorine Pesticide Analysis Results - Lagoon Material
Samples Collected on January 28, 2009

Pesticide	Sample Identification									
	L1-E	L1-N	L1-S	L1-W	L1-W-dup	L2-E	L2-N	L2-S	L2-W	L2-W-dup
4,4'-DDD	< 150	< 300	< 150	< 190	< 190	< 300	< 150	< 300	< 300	< 300
4,4'-DDE	< 150	< 300	< 150	< 190	< 190	< 300	< 150	< 300	< 300	< 300
4,4'-DDT	< 150	< 300	< 150	< 190	< 190	< 300	< 150	< 300	< 300	< 300
Aldrin	< 150	< 300	< 150	< 190	< 190	< 300	< 150	< 300	< 300	< 300
alpha-BHC	< 150	< 300	< 150	< 190	< 190	< 300	< 150	< 300	< 300	< 300
beta-BHC	< 150	< 300	< 150	< 190	< 190	< 300	< 150	< 300	< 300	< 300
Chlordane, Total	< 1500	< 3000	< 1500	< 1900	< 1900	< 3000	< 1500	< 3000	< 3000	< 3000
delta-BHC	< 300	< 600	< 300	< 370	< 380	< 600	< 300	< 600	< 600	< 600
Dieldrin	< 150	< 300	< 150	< 190	< 190	< 300	< 150	< 300	< 300	< 300
Endosulfan I	< 150	< 300	< 150	< 190	< 190	< 300	< 150	< 300	< 300	< 300
Endosulfan II	< 150	< 300	< 150	< 190	< 190	< 300	< 150	< 300	< 300	< 300
Endosulfan sulfate	< 300	< 600	< 300	< 370	< 380	< 600	< 300	< 600	< 600	< 600
Endrin	< 150	< 300	< 150	< 190	< 190	< 300	< 150	< 300	< 300	< 300
Endrin aldehyde	< 150	< 300	< 150	< 190	< 190	< 300	< 150	< 300	< 300	< 300
Endrin ketone	< 150	< 300	< 150	< 190	< 190	< 300	< 150	< 300	< 300	< 300
gamma-BHC (Lindane)	< 150	< 300	< 150	< 190	< 190	< 300	< 150	< 300	< 300	< 300
Heptachlor	< 150	< 300	< 150	< 190	< 190	< 300	< 150	< 300	< 300	< 300
Heptachlor epoxide	< 150	< 300	< 150	< 190	< 190	< 300	< 150	< 300	< 300	< 300
Methoxychlor	< 150	< 300	< 150	< 190	< 190	< 300	< 150	< 300	< 300	< 300
Toxaphene	< 6000	< 12000	< 6000	< 7500	< 7500	< 12000	< 6000	< 12000	< 12000	< 12000

Analysis by EPAMethod 8081A
All results in µg/kg: micrograms per kilogram
dup: Duplicate

Table 7
TPH Distribution Analysis Results - Lagoon Material
Samples Collected on January 28, 2009

Hydrocarbon Distribution	Sample Identification									
	L1-E	L1-N	L1-S	L1-W	L1-W-dup	L2-E	L2-N	L2-S	L2-W	L2-W-dup
C8 - C9	1500	< 3500	< 520	< 1000	1600	790	< 520	< 1000	790	< 520
C10 - C11	2800	9700	1500	< 1000	3600	2400	< 520	1700	2400	1500
C12 - C13	3800	19000	3500	2100	6400	5800	980	3700	5100	3500
C14 - C15	4400	23000	4400	3200	7800	6300	1800	4500	5900	4500
C16 - C17	4500	21000	5000	5100	7900	5700	3400	6600	5700	4900
C18 - C19	3800	17000	4500	5700	6600	4500	4100	7400	4900	4300
C20 - C21	2700	12000	3200	4400	4700	3400	3100	5600	3700	3200
C22 - C23	2200	9600	2600	3800	3900	2700	2500	4200	3200	2400
C24 - C25	1800	7600	2000	3300	3000	2300	2500	3600	2700	1800
C26 - C27	2400	6700	2100	3900	4300	2700	3100	4300	3300	2400
C28 - C29	1300	4100	1400	1800	1900	1300	1400	1900	1400	980
C30 - C31	1800	4500	1800	2500	2300	1700	1900	2800	1900	1400
C32 - C35	2300	4300	2400	2700	3200	2200	2400	3600	2200	1700
C36 - C40	1600	3800	1600	2000	2800	1600	1700	2900	1800	1400
C8 - C40	37000	140000	36000	42000	60000	44000	29000	53000	45000	34000

Analysis by EPA Method 8015B

TPH: Total Petroleum Hydrocarbons

C36-C40: Carbon Chain range

All results in mg/kg: milligrams per kilogram

dup: Duplicate

Table 8
Polychlorinated Biphenyl Analysis Results - Lagoon Material
Samples Collected on January 28, 2009

Polychlorinated Biphenyls	Sample Identification									
	L1-E	L1-N	L1-S	L1-W	L1-W-dup	L2-E	L2-N	L2-S	L2-W	L2-W-dup
Aroclor 1016	< 150	< 140	< 130	< 150	< 290	< 150	< 140	< 150	< 150	< 150
Aroclor 1221	< 150	< 140	< 130	< 150	< 290	< 150	< 140	< 150	< 150	< 150
Aroclor 1232	< 150	< 140	< 130	< 150	< 290	< 150	< 140	< 150	< 150	< 150
Aroclor 1242	< 150	1000	780	680	1300	430	350	680	700	620
Aroclor 1248	< 150	< 140	< 130	< 150	< 290	< 150	< 140	< 150	< 150	< 150
Aroclor 1254	< 150	360	410	790	1600	190	280	< 150	360	270
Aroclor 1260	< 150	< 140	200	430	840	< 150	< 140	980	150	< 150

Analysis by EPA Method 8082

All results in µg/kg: micrograms per kilogram

dup: Duplicate

Table 9
pH, Bioassay, Paint Filter, and Specific Gravity Analysis Results - Lagoon Material
Samples Collected on January 28, 2009

Analysis	Sample Identification									
	L1-E	L1-N	L1-S	L1-W	L1-W-dup	L2-E	L2-N	L2-S	L2-W	L2-W-dup
pH	8.66	8.05	8.02	7.94	NA	8.14	7.99	7.99	8.22	NA
Bioassay	Passed	Passed	Passed	Passed	NA	Passed	Passed	Passed	Passed	NA
Free Liquid (Paint Filter Test)	Not Present	Not Present	Not Present	Not Present	Not Present	Not Present	Not Present	Not Present	Not Present	Not Present
Specific Gravity	1.38	1.14	1.41	1.26	NA	1.12	1.19	1.04	1.56	NA

"Passed" = LC50 > 750 mg/L: Less than 40% fathead minnows dead in 750 milligrams/liter concentration

NA: Not Analyzed

dup: Duplicate

Table 10
PTS Laboratory Physical and PID Analysis Results - Lagoon Material
Samples Collected on February 27, 2009

Analysis		Sample Identification									
		L1-E	L1-N	L1-S	L1-W	L2-E	L2-N	L2-S	L2-W	L1-N-tar	L2-N-tar
Moisture Content (% weight)		211.3	173.6	193.2	205.2	119.7	162.9	80.8	49.3	NA	NA
Bulk Density (g/cc)		0.35	0.43	0.38	0.37	0.55	0.43	0.72	1.05	NA	NA
Grain Density (g/cc)		2.57	2.68	2.54	2.54	2.59	2.54	2.5	2.7	NA	NA
Porosity - Total (% Vb)		86.5	83.8	85	85.5	78.6	82.9	71	61.1	NA	NA
Porosity - Air Filled (% Vb)		13.4	10.2	12.6	10.3	12.5	12.1	12.6	9.5	NA	NA
Pore Fluid Saturations - Water (% Pv)		71.7	66.1	62.1	62.9	58.5	71.4	48.9	53	NA	NA
Pore Fluid Saturations - NAPL (% Pv)		12.8	21.7	23	25.1	25.5	14	33.4	31.5	NA	NA
Specific Gravity	50 °F	NA	NA	NA	NA	NA	NA	NA	NA	*	*
	60 °F	NA	NA	NA	NA	NA	NA	NA	NA	*	*
	70 °F	NA	NA	NA	NA	NA	NA	NA	NA	*	*
	80 °F	NA	NA	NA	NA	NA	NA	NA	NA	*	*
	90 °F	NA	NA	NA	NA	NA	NA	NA	NA	*	*
	100 °F	NA	NA	NA	NA	NA	NA	NA	NA	1.032	1.032
	130 °F	NA	NA	NA	NA	NA	NA	NA	NA	1.025	1.030
Density (g/cc)	50 °F	NA	NA	NA	NA	NA	NA	NA	NA	*	*
	60 °F	NA	NA	NA	NA	NA	NA	NA	NA	*	*
	70 °F	NA	NA	NA	NA	NA	NA	NA	NA	*	*
	80 °F	NA	NA	NA	NA	NA	NA	NA	NA	*	*
	90 °F	NA	NA	NA	NA	NA	NA	NA	NA	*	*
	100 °F	NA	NA	NA	NA	NA	NA	NA	NA	1.025	1.025
	130 °F	NA	NA	NA	NA	NA	NA	NA	NA	1.011	1.015
Viscosity (centistokes)	50 °F	NA	NA	NA	NA	NA	NA	NA	NA	>20000000**	20000000**
	60 °F	NA	NA	NA	NA	NA	NA	NA	NA	20000000**	7000000**
	70 °F	NA	NA	NA	NA	NA	NA	NA	NA	7000000**	3000000**
	80 °F	NA	NA	NA	NA	NA	NA	NA	NA	2000000**	1000000**
	90 °F	NA	NA	NA	NA	NA	NA	NA	NA	950000**	500000**
	100 °F	NA	NA	NA	NA	NA	NA	NA	NA	301412	289134
	130 °F	NA	NA	NA	NA	NA	NA	NA	NA	36755	43226
Viscosity (centistokes)	50 °F	NA	NA	NA	NA	NA	NA	NA	NA	*	*
	60 °F	NA	NA	NA	NA	NA	NA	NA	NA	*	*
	70 °F	NA	NA	NA	NA	NA	NA	NA	NA	*	*
	80 °F	NA	NA	NA	NA	NA	NA	NA	NA	*	*
	90 °F	NA	NA	NA	NA	NA	NA	NA	NA	*	*
	100 °F	NA	NA	NA	NA	NA	NA	NA	NA	308927	296375
	130 °F	NA	NA	NA	NA	NA	NA	NA	NA	37147	43886

Table 10
PTS Laboratory Physical and PID Analysis Results - Lagoon Material
Samples Collected on February 27, 2009

Analysis		Sample Identification									
		L1-E	L1-N	L1-S	L1-W	L2-E	L2-N	L2-S	L2-W	L1-N-tar	L2-N-tar
PID Measurements (ppm)	50 °F	42.9	39.6	13.5	20.2	53.8	32.8	18.8	54.8	8.8	4.2
	60 °F	24.5	38.4	5.5	18.8	75.1	16.2	22.2	77.7	7.8	8.9
	70 °F	24.8	17.9	7.7	12.7	17.5	19.1	31.1	57.7	6.5	7.8
	80 °F	15.6	13.9	6.6	9.9	23.2	12.4	19.1	34.5	3.1	2.1
	90 °F	31.9	29.8	67.4	22.2	16.9	28.2	21.3	53.8	10.2	3.6
	100 °F	25.2	70.5	22.6	20.1	96.7	15.9	116.0	150.0	7.1	9.0
	130 °F	8.5	74.0	16.6	22.6	43.9	27.8	111.0	330.0	3.1	9.7

Total Porosity = All Interconnected Pore Channels

Air Filled Porosity = Pore Channels Not Occupied by Pore Fluids

g/cc: gram per cubic centimeter

% Vb: Percent of Bulk Volume

% Pv: Percent of Pore Volume

NA: Not Analyzed

*: Viscosity greater than method/equipment capability, unable to measure fluid viscosity or density.

**: Viscosity greater than method/equipment capability; results extrapolated.

PID: Photoionization Detector

ppm: Parts per Million

Table 11a
PCR Mobile Laboratory Lead Analysis
Results - Soil
Soil Samples Collected
January 29 and 30, 2009

Sample Identification	Lead Concentration (ppm)
SB-1-0.5	77.12
SB-1-0.5 DUP	78.26
SB-1-4	30.74
SB-1-8	11.17
SB-2-0.5	94.21
SB-2-4	45.69
SB-2-8	23.87
SB-3-0.5	65.95
SB-3-4	37.24
SB-3-8	2386.16
SB-4-0.5	49.26
SB-4-4	43.83
SB-4-8	32.28
SB-5-0.5	34.35
SB-5-4	73.16
SB-5-8	20.54
SB-6-0.5	67.54
SB-6-4	218.04
SB-6-8	34.33
SB-7-0.5	34.9
SB-7-4	112.14
SB-7-8	98.6
SB-8-0.5	60.3
SB-8-4	67.85
SB-8-8	59.4
SB-9-0.5	50.66
SB-9-0.5 DUP	52.48
SB-9-4	42.78
SB-9-8	44.22
SB-10-0.5	110.57
SB-10-0.5 DUP	115.08
SB-10-4	37.29
SB-10-8	63.59
SB-11-0.5	2188.5
SB-11-4	83.59
SB-11-8	22.6
SB-12-0.5	29.95

Table 11a
PCR Mobile Laboratory Lead Analysis
Results - Soil
Soil Samples Collected
January 29 and 30, 2009

Sample Identification	Lead Concentration (ppm)
SB-12-4	41.55
SB-12-8	51.49
SB-13-0.5	53.19
SB-13-0.5 DUP	56.78
SB-13-4	27.24
SB-13-4 DUP	30.86
SB-13-8	38.48
SB-14-0.5	34.59
SB-14-4	18.28
SB-14-8	39.24
SB-15-0.5	65.47
SB-15-4	37.6
SB-15-8	195.13
SB-16-0.5	36.7
SB-16-0.5 DUP	37.73
SB-16-4	36.4
SB-16-8	162.38
SB-17-0.5	57.73
SB-17-4	163.36
SB-17-6	39.35
SB-18-0.5	86.89
SB-18-4	14.97
SB-18-4 DUP	13.93
SB-18-8	40.81
SB-19-0.5	69.22
SB-19-3	53.23
SB-19-5	63.88
SB-20-0.5	53.09
SB-20-0.5 DUP	55.36
SB-20-4	52.36
SB-20-8	103.6

ppm: parts per million

SB-1-4: Soil Boring 1 at 4 feet deep

DUP: Duplicate

Table 11b
Test America Laboratory Metal Analysis Results - Soil
Soil Samples Collected January 29 and 30, 2009

METAL	Sample Identification											
	SB-1-8'	SB-2-4'	SB-3-8'	SB-6-4'	SB-6-4'-Dup	SB-10-8'	SB-11-0.5'	SB-13-8'	SB-15-4'	SB-15-4'-Dup	SB-17-4'	SB-18-0.5'
Antimony	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1	< 1.0
Arsenic	3.6	5.4	2.7	5.5	4.8	4.6	3.3	10	4.6	4.4	10	3.6
Barium	47	120	82	780	870	90	1300	100	100	100	1100	1100
Beryllium	< 0.30	0.51	0.41	0.3	0.3	< 0.30	0.36	< 0.30	0.32	0.35	0.46	0.34
Cadmium	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	1.5	< 0.50
Chromium	11	20	21	21	21	13	21	16	40	28	29	21
Cobalt	4.1	8.9	7	6.9	5.8	5.5	6.2	5.8	5.6	6.1	8.9	5.2
Copper	8.2	19	19	24	20	22	24	22	22	22	28	18
Lead	4.5	27	17	69	71	47	50	23	77	73	1700	49
Mercury	0.024	0.04	0.05	0.095	1.4	0.75	0.23	0.044	0.29	0.28	0.16	0.2
Molybdenum	4.5	2.3	1	< 1.0	< 1.0	< 1.0	< 1.0	3.8	1.2	1.3	2.6	1
Nickel	6.5	14	14	16	14	12	15	11	15	14	19	15
Selenium	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Silver	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Thallium	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Vanadium	24	40	38	32	27	24	32	26	27	33	38	30
Zinc	24	56	53	130	110	180	130	200	100	78	490	81

Analysis by EPA Method 6010B
All results in mg/kg: milligrams per kilogram

FIGURES



Site Features Map

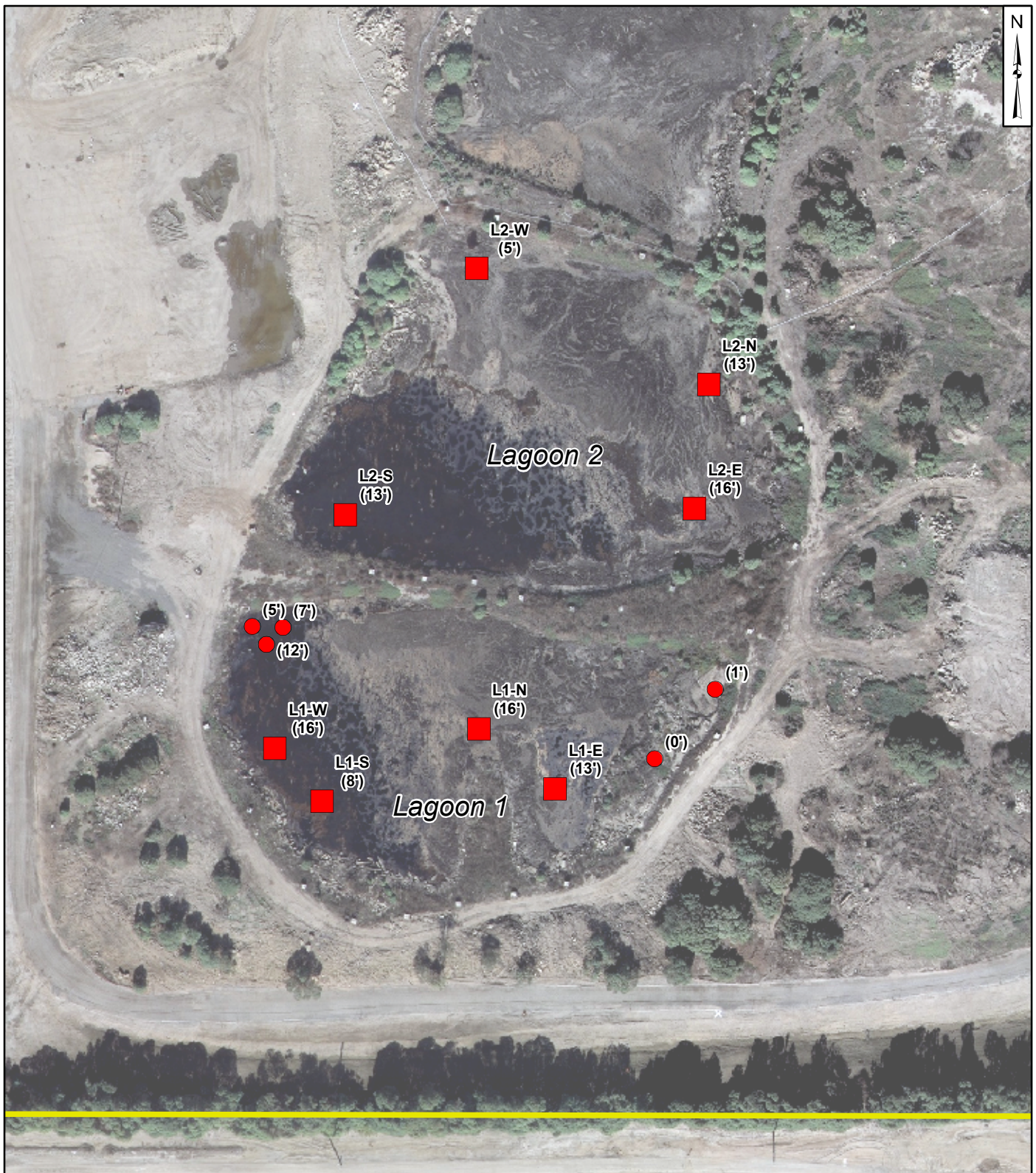
Ascon Landfill Site
Huntington Beach, CA

Geosyntec
consultants

Santa Barbara

May 2009

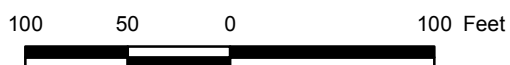
Figure
1



Legend

- Lagoon Probing and Sample Location
- Additional Lagoon Probing Location
- Ascon Site Boundary

(Depth of Lagoon Material in Feet)



**Lagoons 1 and 2
Probing and Sampling Locations**

Ascon Landfill Site,
Huntington Beach, CA

Geosyntec
consultants

Santa Barbara

May 2009

Figure

2

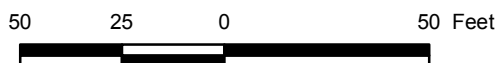


Legend



Lagoon Probing Location

(Depth of Lagoon Material in Feet)



Lagoon 3 Probing Locations

Ascon Landfill Site,
Huntington Beach, CA

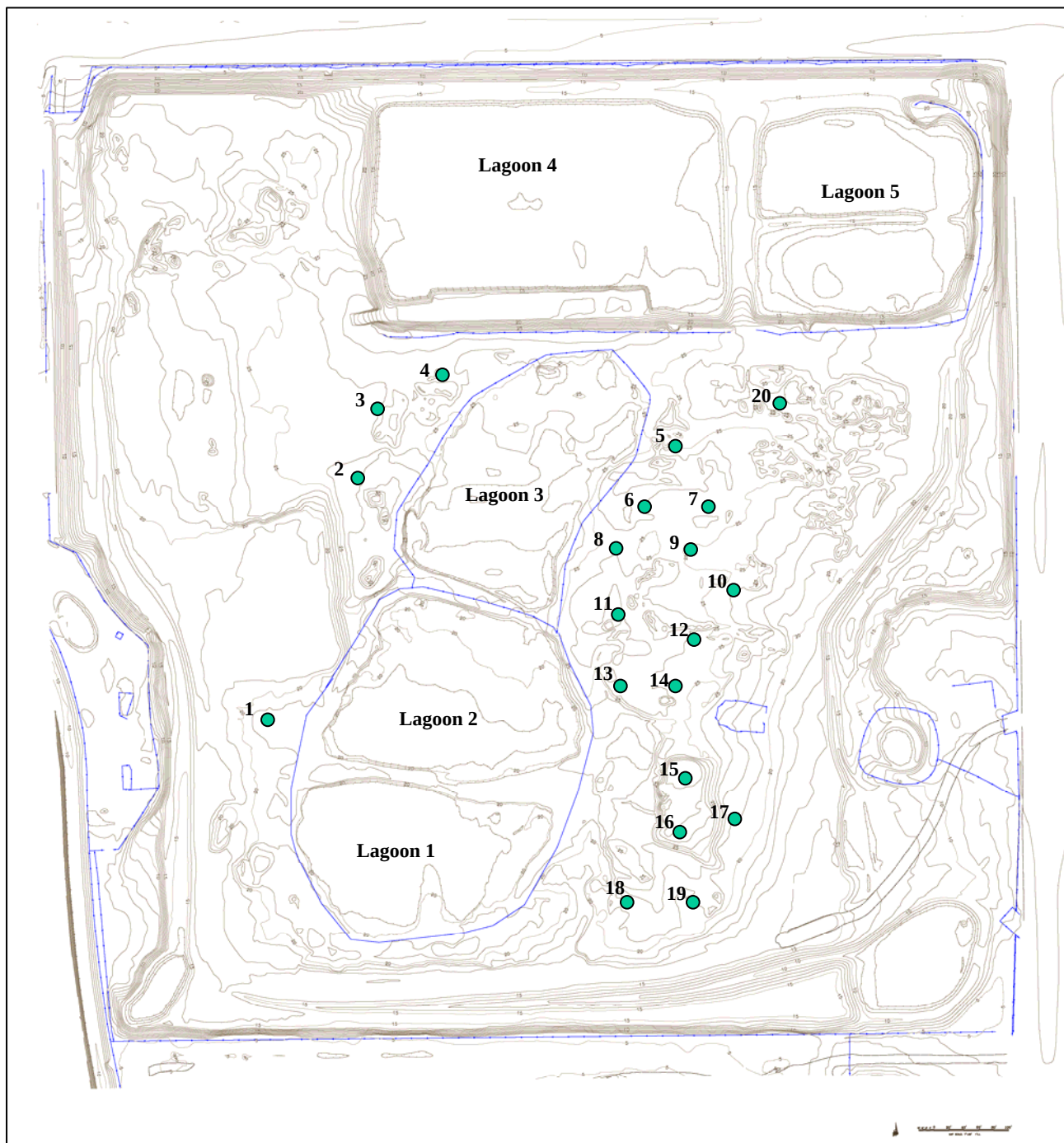
Geosyntec
consultants

Santa Barbara

May 2009

Figure

3



Legend

-  Fence Lines (approx.)
-  Topographic Contours (1-ft interval)
-  Soil Boring (SB) Location



Digital topography based on aerial photograph of 26 January 2006.
Elevation using NAVD 88, feet above mean sea level (MSL).

Soil Boring Locations

Ascon Landfill Site
Huntington Beach, CA

Geosyntec
consultants

Santa Barbara

May 2009

Figure
4

APPENDIX A

VENDOR CHAIN-OF-CUSTODIES
AND WASTE MANIFEST

CHAIN OF CUSTODY FORM

[illegible]

Note: By relinquishing samples, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Sample(s) will be disposed of after 30 days.

CHAIN OF CUSTODY FORM

[illegible]

Note: By relinquishing samples, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Sample(s) will be disposed of after 30 days.

Vendor: PSC Industrial

CHAIN OF CUSTODY FORM

[illegible]

Note: By relinquishing samples, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Sample(s) will be disposed of after 30 days.

CHAIN OF CUSTODY FORM

[illegible]

Note: By relinquishing samples, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on the project. Sample(s) will be disposed of after 30 days.

Vendor: Envirocon

CHAIN OF CUSTODY FORM

[illegible]

Note: By relinquishing samples, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Sample(s) will be disposed of after 30 days.

Note: By relinquishing samples, client agrees to pay for the services requested on this chain-of-custody form and any additional analyses performed on this project. Sample(s) will be disposed of after 30 days.

CHAIN OF CUSTODY FORM

[illegible]

Note: By relinquishing samples, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Sample(s) will be disposed of after 30 days.

Vendor:

CHAIN OF CUSTODY FORM

[illegible]

Page 1 of 1

ANALYSIS REQUIRED

[illegible]

Note: By relinquishing samples, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Sample(s) will be disposed of after 30 days.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAR000150880		2. Page 1 of 1	3. Emergency Response Phone (800)424-9300		4. Manifest Tracking Number 003943206 JJK		
		5. Generator's Name and Mailing Address ASCON LF SITE RESP PARTIES 21841 MAGNOLIA ST HUNTINGTON BEACH CA 92648 Generator's Site Address (if different than mailing address) Generator's Phone: (714)863-0017							
6. Transporter 1 Company Name BDC SPECIAL WASTE SERVICES		U.S. EPA ID Number CAR000181891							
7. Transporter 2 Company Name		U.S. EPA ID Number							
8. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT, INC. 35251 OLD SKYLINE ROAD KETTLEMAN CITY CA 93239 Facility's Phone: (559)388-9711		U.S. EPA ID Number CAT000648117							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		1. RQ, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S., (LEAD), UN3077, 9, PG III CA574283			1 CM		10 Y		352
		2.							
		3.							
		4.							
14. Special Handling Instructions and Additional Information Wear appropriate clothing when handling BDC S.W.S. (800)221-4232 1211 W. Gladstone Ave AZUSA, CA PH CA574283									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Offoror's Printed/Typed Name TAMARA ZEIER for Respon-ble Parties				Signature Tamara Zeier		Month Day Year 01 30 09			
INT'L	16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____								
	Transporter signature (for exports only): _____								
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials								
	Transporter 1 Printed/Typed Name Tom Delgado				Signature Tom Delgado		Month Day Year 1 30 09		
Transporter 2 Printed/Typed Name				Signature		Month Day Year			
DESIGNATED FACILITY	18. Discrepancy								
	18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection								
	Manifest Reference Number: _____								
	18b. Alternate Facility (or Generator) U.S. EPA ID Number								
	Facility's Phone: _____								
18c. Signature of Alternate Facility (or Generator) Month Day Year									
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1. H132		2.		3.		4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a									
Printed/Typed Name Ginger Adams				Signature Ginger Adams		Month Day Year 1-30-09			

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAR000150680		2. Page 1 of 1	3. Emergency Response Phone (800)424-9300		4. Manifest Tracking Number 003943207 JJK				
		5. Generator's Name and Mailing Address ASCON LF SITE RESP PARTIES 21641 MAGNOLIA ST HUNTINGTON BEACH CA 92648		Generator's Site Address (if different than mailing address)							
Generator's Phone: (714)883-0017		6. Transporter 1 Company Name BUL SPECIAL WASTE SERVICES INC					U.S. EPA ID Number CAR000181891				
7. Transporter 2 Company Name							U.S. EPA ID Number				
8. Designated Facility Name and Site Address CHEMICAL WASTE MANAGEMENT, INC. 35251 OLD SKYLINE ROAD KETTLEMAN CITY CA 93236							U.S. EPA ID Number CAT000648117				
Facility's Phone: (559)388-9711											
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
					No.	Type					
	1.	RQ. ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S., (LEAD), UN3077, 9, PG III -24674283-			1	CM	10	Y	352		
	2.										
	3.										
	4.										
14. Special Handling Instructions and Additional Information Profile # CA 574283											
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generator's/Offeror's Printed/Typed Name TAMARA ZIEGLER					Signature <i>Tamara Ziegler</i>			Month 01	Day 30	Year 09	
INT'L	16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____										
	Transporter signature (for exports only): _____										
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials										
	Transporter 1 Printed/Typed Name ADGLO/NAHWER					Signature <i>ADGLO/NAHWER</i>			Month 01	Day 30	Year 09
	Transporter 2 Printed/Typed Name					Signature			Month	Day	Year
DESIGNATED FACILITY	18. Discrepancy										
	18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection										
	Manifest Reference Number: _____										
	18b. Alternate Facility (or Generator) U.S. EPA ID Number										
	Facility's Phone: _____										
	18c. Signature of Alternate Facility (or Generator)								Month	Day	Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)											
1. H132			2.			3.			4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a											
Printed/Typed Name Ginger Adams					Signature <i>Ginger Adams</i>			Month 1	Day 30	Year 09	

APPENDIX B

FIELD SAMPLING PHOTO LOG



PHOTOGRAPH 1:

Location:
Lagoon 1

Date:
January 26, 2009

Orientation:
Southeast

Description:
Off-loading roll-off bins next to lagoons 1 and 2.



PHOTOGRAPH 2:

Location:
Lagoon 1

Date:
January 26, 2009

Orientation:
Southeast

Description:
Long reach excavator and backhoe used for lagoon probing and sampling activities.



PHOTOGRAPH 3:

Location:

L2-N

Date:

January 27, 2009

Orientation:

West

Description:

Lagoon 2-North probing and sampling location.



PHOTOGRAPH 4:

Location:

L2-E

Date:

January 27, 2009

Orientation:

Northwest

Description:

Lagoon 2-East probing and sampling location.



PHOTOGRAPH 5:

Location:
Lagoon 1–NE corner

Date:
January 27, 2009

Orientation:
Southwest

Description:
Lagoon 1-Northeast probing location.



PHOTOGRAPH 6:

Location:
L1-N

Date:
January 27, 2009

Orientation:
North

Description:
Lagoon 1-North probing and sampling location.



PHOTOGRAPH 7:

Location:

L1-E

Date:

January 27, 2009

Orientation:

Northeast

Description:

Lagoon 1-East probing and sampling location.



PHOTOGRAPH 8:

Location:

L1-S

Date:

January 27, 2009

Orientation:

East

Description:

Lagoon 1-South probing and sampling location.



PHOTOGRAPH 9:

Location:

L1-W

Date:

January 27, 2009

Orientation:

Northeast

Description:

Lagoon 1-West probing and sampling location.



PHOTOGRAPH 10:

Location:

L2-W

Date:

January 27, 2009

Orientation:

Southeast

Description:

Lagoon 2-West probing and sampling location.



PHOTOGRAPH 11:

Location:

L2-S

Date:

January 27, 2009

Orientation:

East

Description:

Lagoon 2-South probing and sampling location.



PHOTOGRAPH 12:

Location:

L2-S

Date:

January 27, 2009

Orientation:

East

Description:

Lagoon 2-South probing and sampling location.



PHOTOGRAPH 13:

Location:
Staging Area West of Lagoon 2

Date:
January 28, 2009

Orientation:
North

Description:
Preparation of lagoon material samples for transfer to vendors.



PHOTOGRAPH 14:

Location:
Lagoon 2

Date:
January 28, 2009

Orientation:
East

Description:
Expanding foam used to fill roll-off bin joints and 10-mil plastic sheeting placed inside roll-off bins.



PHOTOGRAPH 15:

Location:
Lagoon 1

Date:
January 28, 2009

Orientation:
Northeast

Description:
Loading Waste Management
roll-off bin from northwestern
corner of Lagoon 1.



PHOTOGRAPH 16:

Location:
Lagoon 2

Date:
January 28, 2009

Orientation:
East

Description:
Loading Waste Management
roll-off bin from Lagoon 2-
South location.



PHOTOGRAPH 17:

Location:
Lagoon 3

Date:
January 28, 2009

Orientation:
Northeast

Description:
Probing into western portion of
Lagoon 3.



PHOTOGRAPH 18:

Location:
Lagoon 3

Date:
January 28, 2009

Orientation:
Southeast

Description:
Probing into northern portion of
Lagoon 3.



PHOTOGRAPH 19:

Location:

SB-15

Date:

January 29, 2009

Orientation:

Northwest

Description:

Geoprobe drilling location
SB-15.



PHOTOGRAPH 20:

Location:

SB-14

Date:

January 29, 2009

Orientation:

West

Description:

Geoprobe drilling location
SB-14.



PHOTOGRAPH 21:

Location:

SB-6

Date:

January 29, 2009

Orientation:

Northwest

Description:

Geoprobe drilling location
SB-6.



PHOTOGRAPH 22:

Location:

SB-10

Date:

January 29, 2009

Orientation:

East

Description:

Geoprobe drilling location
SB-10.



PHOTOGRAPH 23:

Location:

SB-20

Date:

January 29, 2009

Orientation:

Northeast

Description:

Geoprobe drilling location
SB-20.



PHOTOGRAPH 24:

Location:

SB-4

Date:

January 30, 2009

Orientation:

East

Description:

Geoprobe drilling location
SB-4.



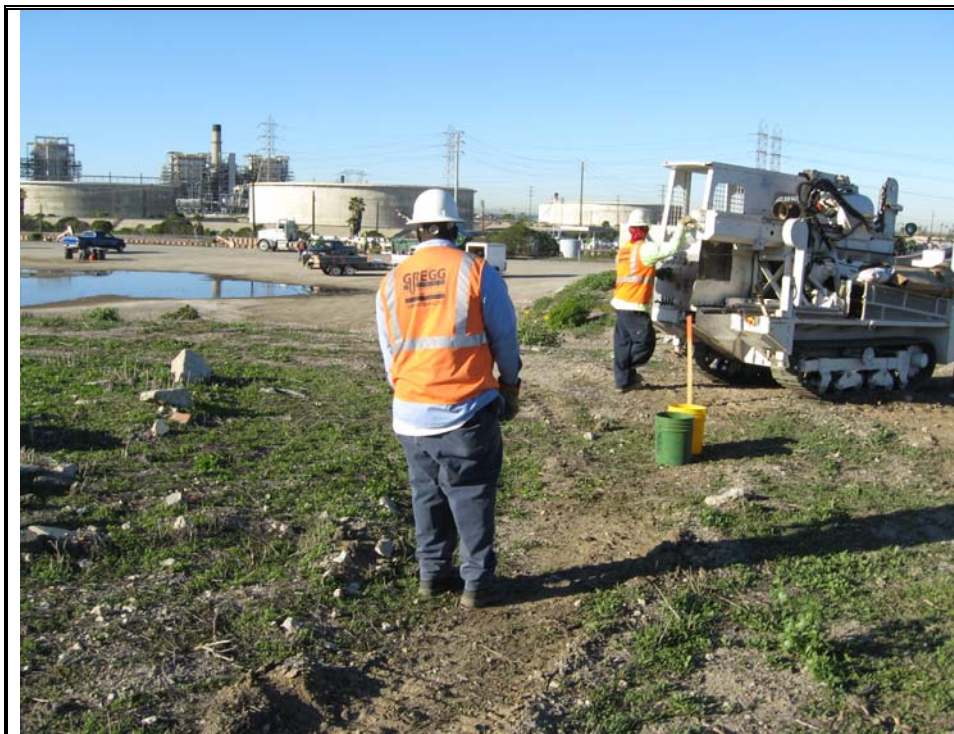
PHOTOGRAPH 25:

Location:
Staging Area West of Lagoon 2

Date:
January 30, 2009

Orientation:
Southwest

Description:
Waste Management picking up
roll-off bins of Lagoon material.



PHOTOGRAPH 26:

Location:
SB-2

Date:
January 30, 2009

Orientation:
West

Description:
Geoprobe drilling location
SB-2.



PHOTOGRAPH 27:

Location:

SB-1

Date:

January 30, 2009

Orientation:

West

Description:

Geoprobe drilling location
SB-1.



PHOTOGRAPH 28:

Location:

L1-N

Date:

February 27, 2009

Orientation:

Northeast

Description:

Collecting tar from Lagoon 1-
North location.



PHOTOGRAPH 29:

Location:

L1-N

Date:

February 27, 2009

Orientation:

Northeast

Description:

Collecting tar from Lagoon 1-North location.



PHOTOGRAPH 30:

Location:

L1-N

Date:

February 27, 2009

Orientation:

North

Description:

Collecting tar from Lagoon 1-North location.



PHOTOGRAPH 31:

Location:
L2-N

Date:
February 27, 2009

Orientation:
West

Description:
Collecting tar from Lagoon 2-
North location.

APPENDIX C
HEALTH AND SAFETY FORMS

TAILGATE SAFETY MEETING

Division/Subsidiary ASCON Landfill Facility ASCON - HB
Date 1-26-09 / 1-27-09 / 1-28-09 Time 0700 Job Number SB0320-40
Customer Project Navigator, Recon Address 21641 Magnolia St.; HB, CA
Specific Location Lagoons 1 & 2
Type Work Tar Sampling
Chemicals Used _____

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment Level D ; possible level C
Chemical Hazards Benzene, 1,2-DCA, VOCs
Physical Hazards Heavy Egmt ; Slip, trip, fall ; Bees (biological)
Emergency Procedures Co-workers drives personnel to hospital or clinic unless emergency, then 911
Hospital / Clinic Hoag Hospi. Phone 949 764-4624 Paramedic Phone () 911
Hospital Address 1 Hoag Dr., Newport Beach, CA 92863
Special Equipment _____
Other _____

ATTENDEES

Andy Simons
Stum & Horne
NAME PRINTED
LEEROY YOUNG
Jeremy Oliveto
JASON MORRIS
Kew Ellis
Steven McKeand
PETER MARTINEZ
David Graham
Kevin Coffman
Meeting conducted by:
LAUREN SOOS
NAME PRINTED
Supervisor _____

Stum & Horne
SIGNATURE
Kenneth Salas
Steve McKeand
David Graham
Tamar Zeier
Lauren Soos
SIGNATURE
Manager _____

TAILGATE SAFETY MEETING

Division/Subsidiary ASCON Landfill Facility ASCON-HB
Date 1-29-09 / 1/30/09 Time 0700 Job Number SB0320-40
Customer Project Navigator, Gregg Drilling / Recon Address 21641 Magnolia St; HB, CA
Specific Location Area surrounding Lagoon 1 & 2
Type Work Direct Push soil sampling / Decon steam cleaning
Chemicals Used _____

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment Level D
Chemical Hazards Lead, VOCs
Physical Hazards Heavy Egmt; Slip, trip, fall; Bees (bio); Heat Stress
Emergency Procedures Co-worker drives ^{injured} personnel to hospital or clinic unless emergency; then 911
Hospital / Clinic Hoag Hosp. Phone (949) 764-4624 Paramedic Phone () 911
Hospital Address 1 Hoag Dr., Newport Beach, CA 92863
Special Equipment _____
Other _____

Greg Roenfeldt

Pat Kearney
NAME PRINTED

LEEROY YOUNG

Jeremy Oliveto

JASON MOORE

David Graham

PETER MARTIN

Melissa Nelson

David Cruz

Terrance Carmiche

Simon Givens

Meeting conducted by:

Kevin Coffman

NAME PRINTED

Ryan Smith

Supervisor

ATTENDEES

Greg Roenfeldt

Pat Kearney

SIGNATURE

LEEROY YOUNG

Jeremy Oliveto

JASON MOORE

David Graham

PETER MARTIN

Melissa Nelson

David Cruz

Terrance Carmiche

Simon Givens

Kevin Coffman

SIGNATURE

Manager

Project Navigator, Ltd.

Geosyntec Consultants

Job Safety Analysis

JSA Type: ☒ Operations ☐ Maintenance ☐ Office ☐ Construction ☐ Other		☒ New ☐ Revised	Date: <u>1-29-09</u>
Company: <u>Geosyntec / Gregg Drilling</u>			
Work Type: <u>Soil Sampling</u>		Work Activity: <u>Direct Push Drilling</u>	
Personal Protective Equipment (PPE): ☐ Goggles ☐ Face Shields ☒ Safety Glasses w/rigid side shields ☐ NOMEX/FRC ☐ Tyvek <insert type>		☐ Lifeline/Body Harness ☐ Hearing Protection ☒ Hard Hat ☒ Safety Shoes w/steel toe ☐ Rubber Steel Toed Boots ☐ Supplied Air Respirator ☐ Air Purifying Respirator <insert type> ex. Full or half-face ☐ Welding/Pipe Clothing ☐ Welding Mask/Goggles ☐ Safety Vest ☐ Life Vest - Over water/Boat ☐ Gloves <insert type> ex. Nitrile ☐ Other _____ ☐ Other _____	
Development Team	Position/Title	Reviewed By	Position/Title
<u>Kevin Coffman</u>	<u>Geologist</u>		
① Job Steps	② Potential Hazard	③ Critical Actions	
1. <u>Direct Push Drill</u>	• Lifting Rods • Pinch Points	• Proper lift techniques • Ensure hands clear of pinch pts	
2. <u>Cut Acetate sleeves</u>	• cuts to body w/hack-saw • slice Acetate lines	• ensure hands, body clear of cutting zones	
3.			

STOP WORK AUTHORITY ACKNOWLEDGEMENT

I understand that it is my responsibility and that I have the authority to stop any work that is not safe. I understand this authority, and I agree to exercise it, as necessary, with no repercussions to myself for such stop work actions. Documentation will be placed in the Project Records.

[illegible]

TAILGATE SAFETY MEETING

Division/Subsidiary ASCON Landfill Facility HB, CA
Date 2-27-9 Time 0745 Job Number SB0320-40
Customer ASCON Address _____
Specific Location Drum Storage
Type Work Drum Sampling
Chemicals Used —

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment Level D ; possible half-face respirator
Chemical Hazards VOCs
Physical Hazards Bees
Emergency Procedures Co-worker to drive injured to hospital
Hospital / Clinic Hoag Hospital Phone (949) 764-4624 Paramedic Phone () 911
Hospital Address 1 Hoag Dr., Newport, CA 92863
Special Equipment _____
Other _____

ATTENDEES

NAME PRINTED

Kevin Coffman
Steve Howe

SIGNATURE

Kevin Coffman
Steve Howe

Meeting conducted by:

NAME PRINTED

Supervisor _____

SIGNATURE

Manager _____

Project Navigator, Ltd.

Geosyntec Consultants

Job Safety Analysis

JSA Type: ☐ Operations ☐ Maintenance ☐ Office ☐ Construction ☒ Other <u>Drum Sampling</u>		☒ New ☐ Revised	Date: <u>2-27-9</u>				
Company: <u>Geosyntec</u>							
Work Type: <u>Sampling</u>		Work Activity: <u>Sample Material from Drums</u>					
<table style="width:100%; border: none;"> <tr> <td style="width:33%; vertical-align: top;"> Personal Protective Equipment (PPE): ☐ Goggles ☐ Face Shields ☒ Safety Glasses w/rigid side shields ☐ NOMEX/FRC ☐ Tyvek <insert type> </td> <td style="width:33%; vertical-align: top;"> ☐ Lifeline/Body Harness ☐ Hearing Protection ☒ Hard Hat ☒ Safety Shoes w/steel toe ☐ Rubber Steel Toed Boots </td> <td style="width:33%; vertical-align: top;"> ☐ Supplied Air Respirator ☒ Air Purifying Respirator <insert type> ex. <u>Full or half-face</u> ☐ Welding/Pipe Clothing ☐ Welding Mask/Goggles ☒ Safety Vest </td> <td style="width:33%; vertical-align: top;"> ☐ Life Vest - Over water/Boat ☒ Gloves <insert type> ex. <u>Nitrile</u> ☐ Other _____ ☐ Other _____ </td> </tr> </table>				Personal Protective Equipment (PPE): ☐ Goggles ☐ Face Shields ☒ Safety Glasses w/rigid side shields ☐ NOMEX/FRC ☐ Tyvek <insert type>	☐ Lifeline/Body Harness ☐ Hearing Protection ☒ Hard Hat ☒ Safety Shoes w/steel toe ☐ Rubber Steel Toed Boots	☐ Supplied Air Respirator ☒ Air Purifying Respirator <insert type> ex. <u>Full or half-face</u> ☐ Welding/Pipe Clothing ☐ Welding Mask/Goggles ☒ Safety Vest	☐ Life Vest - Over water/Boat ☒ Gloves <insert type> ex. <u>Nitrile</u> ☐ Other _____ ☐ Other _____
Personal Protective Equipment (PPE): ☐ Goggles ☐ Face Shields ☒ Safety Glasses w/rigid side shields ☐ NOMEX/FRC ☐ Tyvek <insert type>	☐ Lifeline/Body Harness ☐ Hearing Protection ☒ Hard Hat ☒ Safety Shoes w/steel toe ☐ Rubber Steel Toed Boots	☐ Supplied Air Respirator ☒ Air Purifying Respirator <insert type> ex. <u>Full or half-face</u> ☐ Welding/Pipe Clothing ☐ Welding Mask/Goggles ☒ Safety Vest	☐ Life Vest - Over water/Boat ☒ Gloves <insert type> ex. <u>Nitrile</u> ☐ Other _____ ☐ Other _____				
Development Team	Position/Title	Reviewed By	Date				
<u>Kevin Coffman</u>	<u>Geologist</u>	<u>S. Howe</u>	<u>2-27-9</u>				
① Job Steps	② Potential Hazard	③ Critical Actions					
1. <u>open drums & monitor VOCs</u>	<u>Vapour emitted from drums</u>	<u>monitor w/ PID</u>					
2. <u>sample material in drums</u>	<u>exposed skin contact w/ material</u>	<u>Nitrile & rubber gloves; respirator while standing over drums & sampling</u>					
3.							

APPENDIX D

**AIR MONITORING LOGS/
INSTRUMENT CALIBRATION LOGS**

ACTIVITY AIR MONITORING LOG

Monitoring Technician: K. Coffman/A. Simons

Date: 1/27/09

Instrument: PID

Calibration Date/Time: 1/27/09

Activity: Lagoon Tar Sampling

Time	READING		Location	Activity	Upwind	Downwind	
	BZ*	WF*					
0820	0.0	-	L2-N	Lagoon Tar Sampling		✓	
0835	0.0	3.3	I			✓	
0850	0.0	2.4	I			✓	
0905	0.0	0.0	I			✓	
0920	0.0	0.0	I			✓	
0935	0.0	0.0	L2-E			✓	
0950	0.0	13.5	I			✓	
1005	0.0	0	I			✓	
1020	0.0	3.0	I			✓	
1035	0	0	I			✓	
1050	0	0	I			✓	
1105	0	0	I			✓	
1200	0	0	L1-N			✓	
1315	0	3.4	I			✓	
1330	0	0	I			✓	
1345	0	0.6	L1-E			✓	
1400	0	0	I			✓	
1430	0	0	L1-S			✓	
COMMENTS							
0835 = 1,2 DCA = 0, benzene = 0			1145 = 1,2 DCA = 0, benzene = 0				
0950: 1,2 DCA = 0, benzene = 0							
1315 = 1,2 DCA = 0							
1345 = Benzene = 0							

*BZ=Breathing Zone, WF=Work Face

pg 1 of 2

ACTIVITY AIR MONITORING LOG

Monitoring Technician: K. Caffrey / A. Simons

Date: 1/27/19

Instrument: P10

Calibration Date/Time. 1/27/09

Activity: Lagoon Tar Sampling

[illegible]

*BZ=Breathing Zone, WF=Work Face

pg 2 of 2

Perimeter Air Monitoring Results (pg 1 of 2)

Site Name: Ascon

Instrument Information

Instrument Names: PID
Multi Rail

Date: 1-27-09

Serial Number: 110-012254 (pin) / 150-402395

Monitoring Location: Ascon Lagoons

Parameters: VOCs, CO, LEL

Page 1 of

Monitoring Results

Location

L2-N

"

"

"

L2-E

Time	PID/LEL (ppm)	Odor (Worker Perception)	Particulate Matter (mg/m ³)	Wind Speed /Direction	Response Required (Y/N)	Comments
0835	0.0	Strong Aroma	0.10	NNE	N (monitor)	3.3 @ Work face; 1,2 DCA = 0; Benzene = 0
0850	0.0	"	-	"	N	-
0905	0.0 / 0	"	0.10	"	N	-
0920	0.0 / 0	"	0.0	10.6 N	N	-
0935	0.0 / 0	"	-	"	N	-
0950	0.0 / 0	"	-	13.8 NW	N (monitor)	13.5 @ workface; 1,2 DCA = 0; Benzene = 0
1005	0.0	"	-	"	N	-
1020	0.0 / 0	"	0.025	"	N	3.0 @ workface
1035	0	-	-	-	N	-
1050	0	-	-	-	N	-
1105	0	-	-	-	N	-
1200	0 / 0	Strong Aroma	-	-	N	-
1315	0.0 / 0	"	-	-	N	3.4 @ Work face; 1,2 DCA = 0
1330	0 / 0	"	-	-	N	-
1345	0 / 0	"	0.010	7.1 W	N	0.6 @ Work face; Benzene = 0

Name: K. Coffman / A. Simons

Signature: [Signature]

* Breathing Zone

Perimeter Air Monitoring Results (pg 2 of 2)

Site: Ascon / Date: 1/27/09

	<u>Time</u>	<u>PID[*]/LEL</u>	<u>odor</u>	<u>Particulate Matter</u>	<u>Wind speed/direction</u>	<u>Response (Y/N)</u>	<u>Comments</u>
L1-N	1400	0/0	-	-	4 mph / W	N	-
L1-S	1430	0/0	Aroma	-	-	N	-
L1-S	1445	0/0	Aroma	0.026	6.3 mph / W	Y (monitor)	WF = 1.7; benzene = 0 1,2-dichloro
L1-S	1500	0/0	"	-	-	N	-
L1-W	1515	0/0	"	-	5.6 mph / W	Y (monitor)	WF = 0.5; benzene = 0
L1-W	1530	0/0	"	0.011	-	N	-
L2-W	1555	0/0	Aroma	0.026	4.3 mph / W	N (monitor)	WF = 0.0
L2-S	1625	0/0	"	0.100	-	N	-
L2-S	1640	0/0	"	-	-	N	-

Name: K. Coffman / A. Simons

Signature:



* Breathing Zone Perimeter, not work face

WF = Work face

ACTIVITY AIR MONITORING LOG

Monitoring Technician:

K. Coffman

Date:

1-28-9

Instrument:

Mini Rae 2000

Calibration Date/Time.

1-28-9/0700

Activity:

Lagoon 1 & 2 sampling into Bins

[illegible]

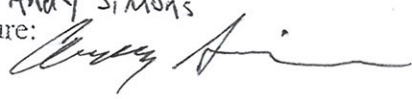
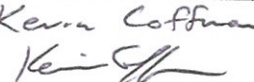
*BZ=Breathing Zone, WF=Work Face

1102 : Benzene: 0.0 ppm

111^9 : Benzene : 0.0 ppm

★ : No workers present @ work face.

Instrument Calibration Log

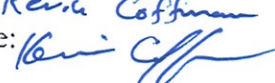
Instrument Information					
Instrument Name: MiniRAE 2000 PID		Manufacturer: Rae Systems			
Serial Number: 110-012254		Last Service Date: 1/26/09			
Parameters: VOCs		Calibration Gas: Isobutylene Gas (100 ppm)			
Calibration Procedure: fill Tedlar bag with Isobutylene gas (100 ppm). Press <mode> and <no> on MiniRae until it enters calibration mode. Press <yes> for span-cal mode and <yes> for Isobutylene gas. Attach Tedlar bag to air intake when prompted to and allow Isobutylene to flow into PID. When PID indicates that calibration is complete, record reading.					
Daily Calibration Results					
Date: 1/27/09	Time: 0718	Calibration Result: 100	ppm	Name: Andy Simons	Signature: 
Notes:	Time: 0720	Cal-Check Result: 100	ppm		
Date: 1-28-9	Time: 0700	Calibration Result: 100	ppm	Name: Kevin Coffman	Signature: 
Notes:	Time: 0715	Cal-Check Result: 100	ppm		
Date: 1-27-9	Time: 0730	Calibration Result: 99.4	ppm	Name: Kevin Coffman	Signature: 
Notes:	Time: 1323	Cal-Check Result: 101	ppm		
Date: 1-30-9	Time: 0735	Calibration Result: 98.8	ppm	Name: Kevin Coffman	Signature: 
Notes:	Time: 1045	Cal-Check Result: 102	ppm		
Date:	Time:	Calibration Result:	ppm	Name:	Signature:
Notes:	Time:	Cal-Check Result:	ppm		
Date:	Time:	Calibration Result:	ppm	Name:	Signature:
Notes:	Time:	Cal-Check Result:	ppm		

Instrument Calibration Log

Site Name: ASCON Landfill

Instrument Information			
Instrument Name: <u>personal Data Ram</u>	Manufacturer: <u>MTE</u>		
Serial Number: <u>2747</u>	Last Service Date: <u>—</u>		
Parameters: <u>1001</u>	Calibration Gas: <u>NA</u>	Lot #: <u>—</u>	
Calibration Procedure: <u>Pump air out of calibration bag & zero unit.</u>			
Daily Calibration Results			
Date/Time: <u>1-27-09</u> <u>0715</u>	Calibration Result: <u>0.000 mg/m³</u>	Name: <u>Kevin Coffman</u>	Signature: <u>Kevin Coffman</u>
Notes:			
Date/Time:	Calibration Result:	Name:	Signature:
Notes:			
Date/Time:	Calibration Result:	Name:	Signature:
Notes:			
Date/Time:	Calibration Result:	Name:	Signature:
Notes:			
Date/Time:	Calibration Result:	Name:	Signature:
Notes:			

Instrument Calibration Log

Instrument Information					
Instrument Name: MiniRAE 2000 PID		Manufacturer: Rae Systems			
Serial Number: 110-012273		Last Service Date: 2-25-09		Equip Co Rental	
Parameters: VOCs		Calibration Gas: Isobutylene Gas (100 ppm)			
Calibration Procedure: fill Tedlar bag with Isobutylene gas (100 ppm). Press <mode> and <no> on MiniRae until it enters calibration mode. Press <yes> for span-cal mode and <yes> for Isobutylene gas. Attach Tedlar bag to air intake when prompted to and allow Isobutylene to flow into PID. When PID indicates that calibration is complete, record reading.					
Daily Calibration Results					
Date: 2-27-9	Time: 1200	Calibration Result: 100 ppm	Cal-Check Result: 98.7 ppm	Name: Kevin Coffman	Signature: 
Notes:					
Date:	Time:	Calibration Result:	ppm	Name:	
Notes:	Time:	Cal-Check Result:	ppm	Signature:	
Date:	Time:	Calibration Result:	ppm	Name:	
Notes:	Time:	Cal-Check Result:	ppm	Signature:	
Date:	Time:	Calibration Result:	ppm	Name:	
Notes:	Time:	Cal-Check Result:	ppm	Signature:	
Date:	Time:	Calibration Result:	ppm	Name:	
Notes:	Time:	Cal-Check Result:	ppm	Signature:	
Date:	Time:	Calibration Result:	ppm	Name:	
Notes:	Time:	Cal-Check Result:	ppm	Signature:	

APPENDIX E
SITE VISITOR LOGS

TABLE HASP 8-3

SITE VISITOR RECORD

All visitors are required to sign the visitor log and comply with the HASP requirements.

Date	Name of Visitor (Print)	Name of Firm (Print)	Purpose of Visit	Arrival Time	Departure Time
1-26	Kevin Coffman	Geosyntec	Lagoon Sampling	0645	1700
1-26	JASON MOORE	RECON	Lagoon Sampling	7:00	4:30
1-26	Jeremy Oliveto	RECON	"	7:00	4:30
1-26	LEEROT YOUNG	RECON	"	7:00	4:30
1-26	LAUREN SOOS	GSC	H&S	7:05	8:30
1-26	Steve McKel	Recon	"	7:05	4:30
1-26	David Graham	Recon	"	7:00	4:30
1-26	PETER MARTINEZ	RECON	"	7:00	4:30
1-26	KEN ELLIS	Recon	"	7:00	4:30
1-26	KEN FREDIANI	GEOSYNTEC	"	7:00	1230
1-26-09	Tony/Emilio	Tony/Emilio	RECON	915	9:30
1-26-09	Rodriguez RODRIGUEZ	BDC SWS	DELIVERY	08:50	1023
1-26-09	Bob Rodriguez	BDC	Delivery	0850	1023
1-26-09	Anthony Hernandez	Km Inc	Delivery	0850	9:30
1-26-09	Benny Snyder	MAKCO	Del.	1130	1300

IN | OUT

10:30

TABLE HASP 8-3

SITE VISITOR RECORD

71- 

All visitors are required to sign the visitor log and comply with the HASP requirements.

Date	Name of Visitor (Print)	Name of Firm (Print)	Purpose of Visit	Arrival Time	Departure Time
1/27/09	MATT Nielsen	Metroplex	SAMPLES	0640	
1/27/09	Tosh Teves	PNL		0640	5:20
1-27-09	Kerch Coffin	Geosyntec	for sampling	0645	1730
1-27-09	David Graham	Recon	SAMPLES	645	5:20
1-27-09	Jeremy Oliveto	Recon	"	6:40	5:20
1-27-09	Ken Ellis	Recon	"	6:45	5:20
1-27-09	LEEROY YOUNG	RECON	"	6:45	5:20
1-27-09	JASON MOORE	RECON	"	6:45	5:20
1-27-09	PETER MARSHALL	RECON	"	6:45	5:20
1-27-09	Steven McKeand	Recon	"	645	520
1-27-09	STRECK S	SCOTT PSC	SAMPLES	6:55	8:00
1-27-09	Brian Thyn	"	"	6:55	10:20
1-27	RANDY SMITH	RTS	SAMPLES	6:55	9:25
1-27	Junior ILI	ASBURY ENV	"	6:55	9:15
1-27	SAFOUH SAYED	DTSC	oversee sampling	9:06	10:30
1/27/09	Ted Peng	DTSC	"	9:06	10:30
1/27/09	Andy Simon	Geosyntec	for Sampling	700	1730

Stone
909 631-3351

2

TABLE HASP 8-3

SITE VISITOR RECORD

All visitors are required to sign the visitor log and comply with the HASP requirements.

Date	Name of Visitor (Print)	Name of Firm (Print)	Purpose of Visit	Arrival Time	Departure Time
1/27	Rick Brackett	Envirocon	Sampling	6:50a	2:45p
1/27	Chris Kowal	Envirocon	Sampling	6:50a	2:45p
1/27	MATT MARKS	Envirocon	SAMPLING	6:55	2:25
1-27	Sam Spencer	Envirocon	"	6:56	2:25
1/27	Mark H. Case	Chia Hui	" "	6:58	8:30
1-27	MARIANNA	Chia Hui	" "	6:57	9:25
1-27	Steve Nigro	ENTACT	" "	6:58	12:03
1-27	Jeff Salas	ENTACT	"	6:58	3:35
1/27	Andy Simon	Geosyntec	Sampling	7:00	8:15
1/27	Kent Robinson	Geosyntec	"	7:09	5:00
1/27	Melissa Nelson	P/NL	"	7:10	3:35
1/27	David Ruiz	FRS	Sampling	7:15	2:50
1/27	Gus Moreno	Gus	supply	7:18	9:15
1/27	Alireza	Sci Pacific	taking samples	7:20	9:00
1/27	Yohas Kubi	" "	" "	7:20	9:00
1/27	Jane Pichro	Waste Mgmt	Sampling	8:15	12:30
1/27	Mike Mallett	WM	Sampling	9:10	12:30

#3

SITE VISITOR RECORD

[illegible]

TABLE HASP 8-3

SITE VISITOR RECORD

All visitors are required to sign the visitor log and comply with the HASP requirements.

Date	Name of Visitor (Print)	Name of Firm (Print)	Purpose of Visit	Arrival Time	Departure Time
1-28-09	Kevin Coffman	Geosyntec	Lagoon/Drum Sampling	0645	1730
1/28/09	Andy Simons	Geosyntec	Lagoon/Drum Sampling	0645	0915
1/28/09	JASON MOORE	RECON	"	0645	1710
1-28-09	Ken Ellis	Recon	"	0645	1710
1-28-09	Steven McKeane	Recon	"	0645	1710
1-28-09	PETER MARTINEZ	RECON	"	0645	1710
1-28-09	David Graham	Recon	"	0645	1710
1-28-09	Jeremy Oliveto	Recon	"	0630	1710
1/28/09	LEEROY YOUNG	RECON	"	0630	1710
1/28/09	TAMARA ZETTER	PNL	"	0650	1810
1/28/09	Steve Howe	PNL	"	0620	1745
1/28/09	Sosh Teves	PNL	"	0650	1705

TABLE HASP 8-3

SITE VISITOR RECORD

All visitors are required to sign the visitor log and comply with the HASP requirements.

Date	Name of Visitor (Print)	Name of Firm (Print)	Purpose of Visit	Arrival Time	Departure Time
1-29-09	Kevin Coffman	Geosyntec	Soil Sampling	0640	1630
1-29-09	Melissa Nelson	PNL	" "	640	
1-29-09	JASON MOORE	RECON	" "	640	
1-29-09	LEEROY YOUNG	RECON	" "	640	
1-29-09	PETER MAZUR	RECON	" "	6:40	
1-29-09	David Graton	Recon	" "	6:40	
1-29-09	Jeremy Orizeto	Recon	" "	6:40	
1-29-09	David (VLT) GREGG		" "	7:20	16:00
1-29-09	Terrance (Amick) GREGG		Soil Sampling	7:20	1600
1-29-09	SIMON GUDINA	Geosyntec	Hamilton Berm Inspection	13:15	15:55

TABLE HASP 8-3

SITE VISITOR RECORD

All visitors are required to sign the visitor log and comply with the HASP requirements.

Date	Name of Visitor (Print)	Name of Firm (Print)	Purpose of Visit	Arrival Time	Departure Time
1-30-09	Kevin Coffman	Geosyntec	Geoprobe Sampling	0645	1045
1-30-09	Melissa Nelson	PNL	" "	620	
1-30-09	JASON MORGAN	Recon	"	8:45	11:00
1-30-09	David Graham	Recon	"	8:45	11:00
1-30-09	PETER MARDER	RECON	"	6:45	11:00
1-30-09	Ryan Smith	Geosyntec	"	7:05	1045
1-30-09	Pat Rourke	PLR	"	7:00	1030
1/31/09	Greg Rosenfeldt	PLR	"	7:00	1030
1-30-09	David Cruz	GDT	"	7:00	10:20
1-30-09	Terrance Carmichael	GDT	"	7:00	10:20
1-30-09	Jeremy Oliveto	Recon	"	7:00	11:00
1-30-09	Tamara Ziser	PNL	On pickup - towers, + geoprobe	0635	
1-30-09	Les Latombe	PNL	meeting	0800	
	Terrance Carmichael	GDT	Sampling		

SITE VISITOR RECORD

[illegible]

APPENDIX F
SOIL BORING LOGS

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem. 2) Soil/Rock Name 3) Color 4) Moisture 5) Grain Size 6) Percentage 7) Plasticity 8) Density/Consistency 9) Structure 10) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)		TIME (00:00)
5	Artificial Fill (AF): silty Sand (SM); brown (10YR 4/3); dry; non-plastic; fine-medium sand; asphalt fragments; NHCO/S					1		-	100	0.0	0858	0.0ppm Ambient Air
						2		-	100	0.0	0903	
	Artificial Fill (AF): sandy silty Clay (CL); moist; fine-medium sand; medium plasticity; asphalt fragments; NHCO/S					3				0.0		End of Boring @ 8'bgs
10												
15												
20												
25												
30												

CONTRACTOR Gregg Drilling
EQUIPMENT Rhino Rig D15
DRILL MTHD Direct Push
DIAMETER 2.25" Outer Diameter; 1.75" Acetate Liners
LOGGER K. Coffman
NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER J. Zukin

NOTES: NHCO/S=No Hydrocarbon Odor or Staining Boring
Located West of Lagoon 2

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS



924 Anacapa St
Suite 4A
Santa Barbara, CA 93101
Tel: (805) 897-3800
Fax: (805) 899-8689

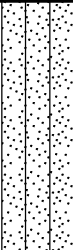
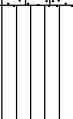
BORING **SB-2**
START DRILL DATE Jan 30, 09
FINISH DRILL DATE Jan 30, 09
LOCATION Huntington Beach, CA
PROJECT Ascon Landfill
NUMBER SB0320

SHEET 1 OF 1

ELEVATION DATA:
GROUND SURF.
TOP OF CASING
DATUM

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem. 2) Soil/Rock Name 3) Color 4) Moisture 5) Grain Size 6) Percentage 7) Plasticity 8) Density/Consistency 9) Structure 10) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)		TIME (00:00)
5	Artificial Fill (AF): silty Sand (SM); brown (10YR 4/3); dry; fine-medium sand; non-plastic; concrete fragments; NHCO/S					1		-	100		0842	End of Boring @ 8'bgs
		2					-	100	0.0	0845		
	Artificial Fill (AF): Silt with sand (ML); dark grayish brown (2.5Y 4/2); dry; fine sand; non-plastic; concrete fragments; NHCO/S					3				0.0		
10												
15												
20												
25												
30												

CONTRACTOR Gregg Drilling
EQUIPMENT Rhino Rig D15
DRILL MTHD Direct Push
DIAMETER 2.25" Outer Diameter; 1.75" Acetate Liners
LOGGER K. Coffman

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER J. Zukin

NOTES: NHCO/S=No Hydrocarbon Odor or Staining
Located West of Lagoon 3

Boring

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem. 7) Plasticity 2) Soil/Rock Name 8) Density/Consistency 3) Color 9) Structure 4) Moisture 10) Other (Mineralization, 5) Grain Size Discoloration, Odor, etc.) 6) Percentage	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)		TIME (00:00)
	Artificial Fill (AF): clayey Sand (SC); non-plastic; asphalt and concrete fragments					1		-	100	0.0	0820	0.0ppm Ambient Air
5	Artificial Fill (AF): sandy silty Clay with gravel (CL); dark grayish brown (2.5Y 4/2); moist; medium plasticity; concrete and asphalt fragments; NHCO/S					2		-	100	0.0	0826	
						3				0.0		End of Boring @ 8'bgs
10												
15												
20												
25												
30												

CONTRACTOR Gregg Drilling
EQUIPMENT Rhino Rig D15
DRILL MTHD Direct Push
DIAMETER 2.25" Outer Diameter; 1.75" Acetate Liners
LOGGER K. Coffman

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER J. Zukin

NOTES: NHCO/S=No Hydrocarbon Odor or Staining
Located West of Lagoon 3

Boring

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem. 7) Plasticity 2) Soil/Rock Name 8) Density/Consistency 3) Color 9) Structure 4) Moisture 10) Other (Mineralization, Discoloration, Odor, etc.) 5) Grain Size 6) Percentage	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)		TIME (00:00)
						1		-	100		0745	
	Artificial Fill (AF): silty Sand (SM); trace clay; dark brown (10YR 3/3); moist; fine sand; non-plastic; asphalt fragments; NHCO/S							-		0.0		
						2		-	0			Refusal @ 3'bgs; step-over
5	Artificial Fill (AF): silty Clay with gravel (CL); dark grayish brown (2.5Y 4/2); moist; fine sand; medium plasticity; concrete fragments; NHCO/S							-	100		0810	
										0.0		End of Boring @ 8'bgs
						3						
10												
15												
20												
25												
30												

CONTRACTOR Gregg Drilling
EQUIPMENT Rhino Rig D15
DRILL MTHD Direct Push
DIAMETER 2.25" Outer Diameter; 1.75" Acetate Liners
LOGGER K. Coffman
NORTHING EASTING COORDINATE SYSTEM:
REVIEWER J. Zukin

NOTES: NHCO/S=No Hydrocarbon Odor or Staining Boring
Located Northwest of Lagoon 3

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS



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BORING **SB-5**
START DRILL DATE Jan 29, 09
FINISH DRILL DATE Jan 29, 09
LOCATION Huntington Beach, CA
PROJECT Ascon Landfill
NUMBER SB0320

SHEET 1 OF 1

ELEVATION DATA:
GROUND SURF.
TOP OF CASING
DATUM

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem. 2) Soil/Rock Name 3) Color 4) Moisture 5) Grain Size 6) Percentage 7) Plasticity 8) Density/Consistency 9) Structure 10) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)		TIME (00:00)
						1		-	100		1527	
										0.0		
5	Artificial Fill (AF): silty Sand with gravel (SM); olive gray (5Y 5/2); dry; non-plastic; concrete and brick fragments; NHCO/S					2		-	100		1533	
	concrete at 6.5'bgs; increasing silt content with depth					3				0.0		
10												End of Boring @ 8'bgs
15												
20												
25												
30												

End of Boring @ 8'bgs

CONTRACTOR Gregg Drilling
EQUIPMENT Rhino Rig D15
DRILL MTHD Direct Push
DIAMETER 2.25" Outer Diameter; 1.75" Acetate Liners
LOGGER K. Coffman
NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER J. Zukin

NOTES: NHCO/S=No Hydrocarbon Odor or Staining
Located Northeast of Lagoon 3

Boring

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS



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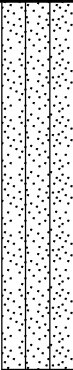
BORING **SB-6**
START DRILL DATE Jan 29, 09
FINISH DRILL DATE Jan 29, 09
LOCATION Huntington Beach, CA
PROJECT Ascon Landfill
NUMBER SB0320

SHEET 1 OF 1

ELEVATION DATA:
GROUND SURF.
TOP OF CASING
DATUM

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem. 2) Soil/Rock Name 3) Color 4) Moisture 5) Grain Size 6) Percentage 7) Plasticity 8) Density/Consistency 9) Structure 10) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)		TIME (00:00)
	Artificial Fill (AF): silty Sand (SM); trace fine gravel; brown (10YR 4/3); dry; non-plastic; concrete fragments at 3'bgs; NHCO/S					1		-	100		1330	End of Boring @ 8'bgs
										0.0		
5	Same as Above; trace clay; increasing moisture content; non-plastic; asphalt at 7'bgs; NHCO/S					2		-	100		1335	
										0.0		
						3						

CONTRACTOR Gregg Drilling
EQUIPMENT Rhino Rig D15
DRILL MTHD Direct Push
DIAMETER 2.25" Outer Diameter; 1.75" Acetate Liners
LOGGER K. Coffman
NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER J. Zukin

NOTES: NHCO/S=No Hydrocarbon Odor or Staining
Located East of Lagoon 3

Boring

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem. 7) Plasticity 2) Soil/Rock Name 8) Density/Consistency 3) Color 9) Structure 4) Moisture 10) Other (Mineralization, Discoloration, Odor, etc.) 5) Grain Size 6) Percentage	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)		TIME (00:00)
	Artificial Fill (AF): silty Sand (SM); brown (10YR 4/3); dry; non-plastic; concrete and asphalt fragments; NHCO/S					1		-	100		1348	0.0ppm Ambient Air
5	Artificial Fill (AF): sandy silty Clay (CL); very dark grayish brown (2.5Y 3/2); medium plasticity; concrete and asphalt fragments present from 4'-8'bgs; slight hydrocarbon odor and staining from 3'-4'bgs					2		-	100	5.3	1357	
						3				0.0		End of Boring @ 8'bgs
10												
15												
20												
25												
30												

CONTRACTOR Gregg Drilling
EQUIPMENT Rhino Rig D15
DRILL MTHD Direct Push
DIAMETER 2.25" Outer Diameter; 1.75" Acetate Liners
LOGGER K. Coffman

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER J. Zukin

NOTES: NHCO/S=No Hydrocarbon Odor or Staining
Located East of Lagoon 3

Boring

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem. 2) Soil/Rock Name 3) Color 4) Moisture 5) Grain Size 6) Percentage 7) Plasticity 8) Density/Consistency 9) Structure 10) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)		TIME (00:00)
5	Artificial Fill (AF): silty Sand (SM); brown (10YR 4/3); dry; asphalt and concrete fragments; NHCO/S					1		-	100	0.0	1302	End of Boring @ 8'bgs
						2		-	100			
						3			2.5			
10	Artificial Fill (AF): sandy silty Clay (CL); brown - very dark gray (2.5Y 3/1); moist; medium plasticity; concrete and asphalt fragments; slight hydrocarbon odor and staining from 7'-8'bgs											
15												
20												
25												
30												

CONTRACTOR Gregg Drilling
EQUIPMENT Rhino Rig D15
DRILL MTHD Direct Push
DIAMETER 2.25" Outer Diameter; 1.75" Acetate Liners
LOGGER K. Coffman

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER J. Zukin

NOTES: NHCO/S=No Hydrocarbon Odor or Staining
Located East of Lagoon 3

Boring

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem. 7) Plasticity 2) Soil/Rock Name 8) Density/Consistency 3) Color 9) Structure 4) Moisture 10) Other (Mineralization, 5) Grain Size Discoloration, Odor, etc.) 6) Percentage	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)		TIME (00:00)
	Artificial Fill (AF): silty Sand (SM); asphalt and concrete fragments					1		-	100		1425	End of Boring @ 8'bgs
	Artificial Fill (AF): sandy silty Clay (CL); dark grayish brown (2.5Y 4/2); moist; fine sand; medium plasticity; concrete fragments at 3'bgs; NHCO/S					2		-	100	0.8	1433	
5	asphalt fragments present from 6'-8'bgs; slight hydrocarbon odor					3				3.0		
10												
15												
20												
25												
30												

End of Boring @ 8'bgs

CONTRACTOR Gregg Drilling
EQUIPMENT Rhino Rig D15
DRILL MTHD Direct Push
DIAMETER 2.25" Outer Diameter; 1.75" Acetate Liners
LOGGER K. Coffman
NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER J. Zukin

NOTES: NHCO/S=No Hydrocarbon Odor or Staining Boring
Located East of Lagoon 3

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem. 2) Soil/Rock Name 3) Color 4) Moisture 5) Grain Size 6) Percentage 7) Plasticity 8) Density/Consistency 9) Structure 10) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)		TIME (00:00)
	Artificial Fill (AF): silty Sand (SM); brown (10YR 4/3); dry; concrete fragments; NHCO/S					1		-	100		1440	0.0ppm Ambient Air
5	Artificial Fill (AF): silty Clay (CL); very dark grayish brown (2.5Y 3/2); moist; medium plasticity; moderate hydrocarbon odor, no staining			2		-		100	8.5	1447		
	concrete and asphalt fragments			3					1.8			End of Boring @ 8'bgs
10												
15												
20												
25												
30												

CONTRACTOR Gregg Drilling
EQUIPMENT Rhino Rig D15
DRILL MTHD Direct Push
DIAMETER 2.25" Outer Diameter; 1.75" Acetate Liners
LOGGER K. Coffman

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER J. Zukin

NOTES: NHCO/S=No Hydrocarbon Odor or Staining
Located North of Drum Storage Area

Boring

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem. 2) Soil/Rock Name 3) Color 4) Moisture 5) Grain Size 6) Percentage 7) Plasticity 8) Density/Consistency 9) Structure 10) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)		TIME (00:00)
5	Artificial Fill (AF): silty Sand (SM); brown (10YR 4/3); dry-moist; fine-medium sand; non-plastic; fine concrete fragments; slight hydrocarbon odor @ 4'bgs					1		-	100		1130	End of Boring @ 8'bgs
						2		-	100		1133	
	Artificial Fill (AF): silty Clay (CL); trace fine sand; very dark gray (5Y 3/1); moist; medium plasticity; organic odor and staining					3				0.0		
10												
15												
20												
25												
30												

CONTRACTOR Gregg Drilling
EQUIPMENT Rhino Rig D15
DRILL MTHD Direct Push
DIAMETER 2.25" Outer Diameter; 1.75" Acetate Liners
LOGGER K. Coffman

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER J. Zukin

NOTES: NHCO/S=No Hydrocarbon Odor or Staining
Located Northwest of Drum Storage Area

Boring

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS



924 Anacapa St
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Santa Barbara, CA 93101
Tel: (805) 897-3800
Fax: (805) 899-8689

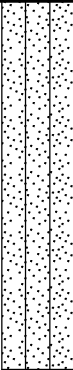
BORING **SB-13**
START DRILL DATE Jan 29, 09
FINISH DRILL DATE Jan 29, 09
LOCATION Huntington Beach, CA
PROJECT Ascon Landfill
NUMBER SB0320

SHEET 1 OF 1

ELEVATION DATA:
GROUND SURF.
TOP OF CASING
DATUM

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem. 2) Soil/Rock Name 3) Color 4) Moisture 5) Grain Size 6) Percentage 7) Plasticity 8) Density/Consistency 9) Structure 10) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)		TIME (00:00)
	Artificial Fill (AF): silty Sand (SM); brown (10YR 4/3); dry; non-plastic; concrete and asphalt fragments; NHCO/S					1		-	75		1040	0.0ppm Ambient Air
										0.0		
5	abundant concrete below 4'bgs					2		-	100		1045	
										0.0		
						3						End of Boring @ 8'bgs
10												
15												
20												
25												
30												

CONTRACTOR Gregg Drilling
EQUIPMENT Rhino Rig D15
DRILL MTHD Direct Push
DIAMETER 2.25" Outer Diameter; 1.75" Acetate Liners
LOGGER K. Coffman

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER J. Zukin

NOTES: NHCO/S=No Hydrocarbon Odor or Staining
Located West of Drum Storage Area

Boring

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem. 2) Soil/Rock Name 3) Color 4) Moisture 5) Grain Size 6) Percentage 7) Plasticity 8) Density/Consistency 9) Structure 10) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)		TIME (00:00)
						1		-	100		1022	0.0ppm Ambient Air
	Artificial Fill (AF): sandy silty Clay (CL); very dark gray (2.5Y 3/1); dry; fine sand; medium plasticity; asphalt fragments; NHCO/S									0.0		
5	concrete present from 5'-5.5'bgs					2		-	100		1030	
	cleaner clay; trace fine sand; very dark gray; moist; medium plasticity; NHCO/S									0.0		
						3						End of Boring @ 8'bgs
10												
15												
20												
25												
30												

CONTRACTOR Gregg Drilling
EQUIPMENT Rhino Rig D15
DRILL MTHD Direct Push
DIAMETER 2.25" Outer Diameter; 1.75" Acetate Liners
LOGGER K. Coffman

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER J. Zukin

NOTES: NHCO/S=No Hydrocarbon Odor or Staining Boring
Located West of Drum Storage Area

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS



924 Anacapa St
Suite 4A
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Tel: (805) 897-3800
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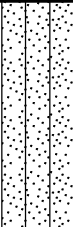
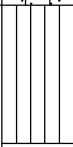
BORING **SB-15**
START DRILL DATE Jan 29, 09
FINISH DRILL DATE Jan 29, 09
LOCATION Huntington Beach, CA
PROJECT Ascon Landfill
NUMBER SB0320

SHEET 1 OF 1

ELEVATION DATA:
GROUND SURF.
TOP OF CASING
DATUM

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem. 7) Plasticity 2) Soil/Rock Name 8) Density/Consistency 3) Color 9) Structure 4) Moisture 10) Other (Mineralization, Discoloration, Odor, etc.) 5) Grain Size 6) Percentage	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)		TIME (00:00)
5	Artificial Fill (AF): silty Sand with gravel (SM); brown (10YR 4/3); dry; fine sand and gravel; non-plastic; concrete and asphalt fragments; NHCO/S					1		-	100	0.0	0955	0.0ppm Ambient Air
	2	-				100		1002				
	3							0.0				
10	Artificial Fill (AF): sandy Silt (ML); dry-moist; fine sand; non-plastic; asphalt fragments; NHCO/S									0.0		End of Boring @ 8'bgs
20												
25												
30												

CONTRACTOR Gregg Drilling
EQUIPMENT Rhino Rig D15
DRILL MTHD Direct Push
DIAMETER 2.25" Outer Diameter; 1.75" Acetate Liners
LOGGER K. Coffman

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER J. Zukin

NOTES: NHCO/S=No Hydrocarbon Odor or Staining
Located Southwest of Drum Storage Area

Boring

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem. 7) Plasticity 2) Soil/Rock Name 8) Density/Consistency 3) Color 9) Structure 4) Moisture 10) Other (Mineralization, Discoloration, Odor, etc.) 5) Grain Size 6) Percentage	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring		
						SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)		TIME (00:00)	
	Artificial Fill (AF): silty Sand (SM); trace clay; moist; fine-medium sand; non-plastic; concrete and asphalt fragments; NHCO/S					1		-	100		0934	0.0ppm Ambient Air	
								2	-	100		0940	
5	Artificial Fill (AF): silty Clay with sand (CL); trace fine gravel; brown (10YR 4/3); moist; low-medium plasticity; NHCO/S							3					
10												Refusal @ 8.5'bgs	
15													
20													
25													
30													

CONTRACTOR Gregg Drilling
EQUIPMENT Rhino Rig D15
DRILL MTHD Direct Push
DIAMETER 2.25" Outer Diameter; 1.75" Acetate Liners
LOGGER K. Coffman

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER J. Zukin

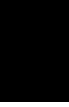
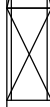
NOTES: NHCO/S=No Hydrocarbon Odor or Staining
Located Southwest of Drum Storage Area

Boring

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem. 7) Plasticity 2) Soil/Rock Name 8) Density/Consistency 3) Color 9) Structure 4) Moisture 10) Other (Mineralization, Discoloration, Odor, etc.) 5) Grain Size 6) Percentage	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)		TIME (00:00)
	Artificial Fill (AF): clayey Sand (SC); brown (10YR 4/3); moist; concrete and asphalt fragments					1		-	100		0814	0.0ppm Ambient Air
	Artificial Fill (AF): silty Clay (CL); trace fine sand; concrete and asphalt fragments; NHCO/S					2		-	100		0821	
5	increase in concrete fragments					3						Refusal @ 6'bgs
10												
15												
20												
25												
30												

CONTRACTOR Gregg Drilling
EQUIPMENT Rhino Rig D15
DRILL MTHD Direct Push
DIAMETER 2.25" Outer Diameter; 1.75" Acetate Liners
LOGGER K. Coffman

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER J. Zukin

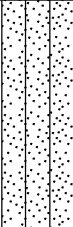
NOTES: NHCO/S=No Hydrocarbon Odor or Staining
Located South of Drum Storage Area

Boring

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem. 2) Soil/Rock Name 3) Color 4) Moisture 5) Grain Size 6) Percentage 7) Plasticity 8) Density/Consistency 9) Structure 10) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)		TIME (00:00)
	Artificial Fill (AF): silty Sand (SM); dark brown (10YR 3/3); dry; fine-medium sand; concrete and asphalt fragments; NHCO/S					1		-	75		0905	0.0ppm Ambient Air
5	Artificial Fill (AF): silty Clay (CL); brown (10YR 4/3); moist; medium plasticity; slight hydrocarbon odor and staining from 7'-8'bgs					2		-	100		0915	
	concrete @ 8'bgs					3				1.9		Refusal @ 8'bgs
10												
15												
20												
25												
30												

CONTRACTOR Gregg Drilling
EQUIPMENT Rhino Rig D15
DRILL MTHD Direct Push
DIAMETER 2.25" Outer Diameter; 1.75" Acetate Liners
LOGGER K. Coffman
NORTHING EASTING COORDINATE SYSTEM:
REVIEWER J. Zukin

NOTES: NHCO/S=No Hydrocarbon Odor or Staining Boring
Located East of Lagoon 1

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS



924 Anacapa St
Suite 4A
Santa Barbara, CA 93101
Tel: (805) 897-3800
Fax: (805) 899-8689

BORING **SB-19**
START DRILL DATE Jan 29, 09
FINISH DRILL DATE Jan 29, 09
LOCATION Huntington Beach, CA
PROJECT Ascon Landfill
NUMBER SB0320

SHEET 1 OF 1

ELEVATION DATA:
GROUND SURF.
TOP OF CASING
DATUM

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem. 2) Soil/Rock Name 3) Color 4) Moisture 5) Grain Size 6) Percentage 7) Plasticity 8) Density/Consistency 9) Structure 10) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)		TIME (00:00)
	Artificial Fill (AF): silty Sand (SM); dark brown (10YR 3/3); dry; fine-medium sand; concrete fragments; NHCO/S					1		-	50	0.0	0838	0.0ppm Ambient Air
						2						
5						3		-	100		0845	Refusal @ 5'bgs
10												
15												
20												
25												
30												

CONTRACTOR Gregg Drilling
EQUIPMENT Rhino Rig D15
DRILL MTHD Direct Push
DIAMETER 2.25" Outer Diameter; 1.75" Acetate Liners
LOGGER K. Coffman

NORTHING
EASTING
COORDINATE SYSTEM:
REVIEWER J. Zukin

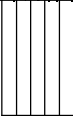
NOTES: NHCO/S=No Hydrocarbon Odor or Staining
Located East of Lagoon 1

Boring

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

GS FORM:
WELL BORE 01/04

BOREHOLE LOG

DEPTH (ft-bgs)	DESCRIPTION 1) Unit/Formation, Mem. 2) Soil/Rock Name 3) Color 4) Moisture 5) Grain Size 6) Percentage 7) Plasticity 8) Density/Consistency 9) Structure 10) Other (Mineralization, Discoloration, Odor, etc.)	GRAPHIC LOG	WELL LOG	GROUNDWATER OR STRUCTURE	ELEVATION (ft)	SAMPLE					COMMENTS 1) Rig Behavior 2) Air Monitoring	
						SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY (%)	PID READING (ppm)		TIME (00:00)
	Artificial Fill (AF): silty Sand (SM); dark grayish brown (10YR 4/2); dry; concrete fragments @ 2'bgs; NHCO/S					1		-	100		1510	End of Boring @ 8'bgs
											0.0	
5	decreasing sand content with depth						2		-	100		
	Artificial Fill (AF): sandy Silt (ML); dark olive gray (5Y 3/2); moist-wet; fine sand; concrete fragments/gravel; NHCO/S									0.5		
						3						
10												
15												
20												
25												
30												

CONTRACTOR Gregg Drilling
EQUIPMENT Rhino Rig D15
DRILL MTHD Direct Push
DIAMETER 2.25" Outer Diameter; 1.75" Acetate Liners
LOGGER K. Coffman
NORTHING EASTING COORDINATE SYSTEM:
REVIEWER J. Zukin

NOTES: NHCO/S=No Hydrocarbon Odor or Staining Boring
Located Northeast of Lagoon 3

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

APPENDIX G

TEST AMERICA LABORATORY
ANALYTICAL RESULTS

LABORATORY REPORT

Prepared For: Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project: Tar Analysis
ASCON Landfill SB0320

Sampled: 01/28/09
Received: 01/28/09
Revised: 03/09/09 09:59

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain(s) of Custody, 3 pages, are included and are an integral part of this report. This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 3°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

The hold time for STLC Mercury on sample ISA2736-01 was past the 28 day hold time due to analyst error.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

ADDITIONAL INFORMATION: This is a revised report to included added analysis and to report the reanalysis data for Specific Gravity.

This is a revised report to remove the unnecessary H flag on the STLC Mercury and to include STLC Zinc results for sample ISA2736-01 (L1-N).

LABORATORY ID

ISA2736-01
ISA2736-02
ISA2736-03

CLIENT ID

L1-N
L1-S
L1-E

MATRIX

Solid
Solid
Solid

TestAmerica Irvine

Joseph Doak
Project Manager

Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

LABORATORY ID

ISA2736-04
ISA2736-05
ISA2736-06
ISA2736-07
ISA2736-08
ISA2736-09
ISA2736-10
ISA2736-11
ISA2736-12

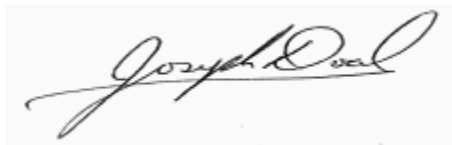
CLIENT ID

L1-W
L1-W-dup
L2-N
L2-S
L2-E
L2-W
L2-W-dup
Decon Water
Drum Mud

MATRIX

Solid
Solid
Solid
Solid
Solid
Solid
Solid
Water
Solid

Reviewed By:



TestAmerica Irvine

Joseph Doak
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

ISA2736 <Page 2 of 124>

Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-01 (L1-N - Solid)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	9B03005	1000	8300	1030	2/3/2009	2/4/2009	
Bromobenzene	EPA 8260B	9B03005	2600	ND	1030	2/3/2009	2/4/2009	
Bromochloromethane	EPA 8260B	9B03005	2600	ND	1030	2/3/2009	2/4/2009	
Bromodichloromethane	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
Bromoform	EPA 8260B	9B03005	2600	ND	1030	2/3/2009	2/4/2009	
Bromomethane	EPA 8260B	9B03005	2600	ND	1030	2/3/2009	2/4/2009	
n-Butylbenzene	EPA 8260B	9B03005	2600	27000	1030	2/3/2009	2/4/2009	
sec-Butylbenzene	EPA 8260B	9B03005	2600	18000	1030	2/3/2009	2/4/2009	
tert-Butylbenzene	EPA 8260B	9B03005	2600	ND	1030	2/3/2009	2/4/2009	
Carbon tetrachloride	EPA 8260B	9B03005	2600	ND	1030	2/3/2009	2/4/2009	
Chlorobenzene	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
Chloroethane	EPA 8260B	9B03005	2600	ND	1030	2/3/2009	2/4/2009	
Chloroform	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
Chloromethane	EPA 8260B	9B03005	2600	ND	1030	2/3/2009	2/4/2009	
2-Chlorotoluene	EPA 8260B	9B03005	2600	ND	1030	2/3/2009	2/4/2009	
4-Chlorotoluene	EPA 8260B	9B03005	2600	ND	1030	2/3/2009	2/4/2009	
1,2-Dibromo-3-chloropropane	EPA 8260B	9B03005	2600	ND	1030	2/3/2009	2/4/2009	
Dibromochloromethane	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
1,2-Dibromoethane (EDB)	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
Dibromomethane	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
1,2-Dichlorobenzene	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
1,3-Dichlorobenzene	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
1,4-Dichlorobenzene	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
Dichlorodifluoromethane	EPA 8260B	9B03005	2100	ND	1030	2/3/2009	2/4/2009	
1,1-Dichloroethane	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
1,2-Dichloroethane	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
1,1-Dichloroethene	EPA 8260B	9B03005	2600	ND	1030	2/3/2009	2/4/2009	
cis-1,2-Dichloroethene	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
trans-1,2-Dichloroethene	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
1,2-Dichloropropane	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
1,3-Dichloropropane	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
2,2-Dichloropropane	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
cis-1,3-Dichloropropene	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
trans-1,3-Dichloropropene	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
1,1-Dichloropropene	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
Ethylbenzene	EPA 8260B	9B03005	1000	48000	1030	2/3/2009	2/4/2009	
Hexachlorobutadiene	EPA 8260B	9B03005	2600	ND	1030	2/3/2009	2/4/2009	
Isopropylbenzene	EPA 8260B	9B03005	1000	18000	1030	2/3/2009	2/4/2009	
p-Isopropyltoluene	EPA 8260B	9B03005	1000	7700	1030	2/3/2009	2/4/2009	
Methylene chloride	EPA 8260B	9B03005	10000	ND	1030	2/3/2009	2/4/2009	
Naphthalene	EPA 8260B	9B03005	2600	110000	1030	2/3/2009	2/4/2009	

TestAmerica Irvine

Joseph Doak
Project Manager

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ISA2736 <Page 3 of 124>

Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-01 (L1-N - Solid) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	9B03005	1000	37000	1030	2/3/2009	2/4/2009	
Styrene	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
1,1,1,2-Tetrachloroethane	EPA 8260B	9B03005	2600	ND	1030	2/3/2009	2/4/2009	
1,1,2,2-Tetrachloroethane	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
Tetrachloroethene	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
Toluene	EPA 8260B	9B03005	1000	1400	1030	2/3/2009	2/4/2009	
1,2,3-Trichlorobenzene	EPA 8260B	9B03005	2600	ND	1030	2/3/2009	2/4/2009	
1,2,4-Trichlorobenzene	EPA 8260B	9B03005	2600	ND	1030	2/3/2009	2/4/2009	
1,1,1-Trichloroethane	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
1,1,2-Trichloroethane	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
Trichloroethene	EPA 8260B	9B03005	1000	ND	1030	2/3/2009	2/4/2009	
Trichlorofluoromethane	EPA 8260B	9B03005	2600	ND	1030	2/3/2009	2/4/2009	
1,2,3-Trichloropropane	EPA 8260B	9B03005	5200	ND	1030	2/3/2009	2/4/2009	
1,2,4-Trimethylbenzene	EPA 8260B	9B03005	1000	1500	1030	2/3/2009	2/4/2009	
1,3,5-Trimethylbenzene	EPA 8260B	9B03005	1000	12000	1030	2/3/2009	2/4/2009	
Vinyl chloride	EPA 8260B	9B03005	2600	ND	1030	2/3/2009	2/4/2009	
m,p-Xylenes	EPA 8260B	9B03005	1000	3200	1030	2/3/2009	2/4/2009	
o-Xylene	EPA 8260B	9B03005	1000	3500	1030	2/3/2009	2/4/2009	
<i>Surrogate: 4-Bromofluorobenzene (65-140%)</i>				93 %				
<i>Surrogate: Dibromofluoromethane (55-140%)</i>				88 %				
<i>Surrogate: Toluene-d8 (60-140%)</i>				96 %				

TestAmerica Irvine

Joseph Doak
Project Manager

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ISA2736 <Page 4 of 124>

Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-02 (L1-S - Solid)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	9B03005	960	2100	962	2/3/2009	2/4/2009	
Bromobenzene	EPA 8260B	9B03005	2400	ND	962	2/3/2009	2/4/2009	
Bromochloromethane	EPA 8260B	9B03005	2400	ND	962	2/3/2009	2/4/2009	
Bromodichloromethane	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
Bromoform	EPA 8260B	9B03005	2400	ND	962	2/3/2009	2/4/2009	
Bromomethane	EPA 8260B	9B03005	2400	ND	962	2/3/2009	2/4/2009	
n-Butylbenzene	EPA 8260B	9B03005	2400	ND	962	2/3/2009	2/4/2009	
sec-Butylbenzene	EPA 8260B	9B03005	2400	8200	962	2/3/2009	2/4/2009	
tert-Butylbenzene	EPA 8260B	9B03005	2400	ND	962	2/3/2009	2/4/2009	
Carbon tetrachloride	EPA 8260B	9B03005	2400	ND	962	2/3/2009	2/4/2009	
Chlorobenzene	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
Chloroethane	EPA 8260B	9B03005	2400	ND	962	2/3/2009	2/4/2009	
Chloroform	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
Chloromethane	EPA 8260B	9B03005	2400	ND	962	2/3/2009	2/4/2009	
2-Chlorotoluene	EPA 8260B	9B03005	2400	ND	962	2/3/2009	2/4/2009	
4-Chlorotoluene	EPA 8260B	9B03005	2400	ND	962	2/3/2009	2/4/2009	
1,2-Dibromo-3-chloropropane	EPA 8260B	9B03005	2400	ND	962	2/3/2009	2/4/2009	
Dibromochloromethane	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
1,2-Dibromoethane (EDB)	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
Dibromomethane	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
1,2-Dichlorobenzene	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
1,3-Dichlorobenzene	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
1,4-Dichlorobenzene	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
Dichlorodifluoromethane	EPA 8260B	9B03005	1900	ND	962	2/3/2009	2/4/2009	
1,1-Dichloroethane	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
1,2-Dichloroethane	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
1,1-Dichloroethene	EPA 8260B	9B03005	2400	ND	962	2/3/2009	2/4/2009	
cis-1,2-Dichloroethene	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
trans-1,2-Dichloroethene	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
1,2-Dichloropropane	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
1,3-Dichloropropane	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
2,2-Dichloropropane	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
cis-1,3-Dichloropropene	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
trans-1,3-Dichloropropene	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
1,1-Dichloropropene	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
Ethylbenzene	EPA 8260B	9B03005	960	17000	962	2/3/2009	2/4/2009	
Hexachlorobutadiene	EPA 8260B	9B03005	2400	ND	962	2/3/2009	2/4/2009	
Isopropylbenzene	EPA 8260B	9B03005	960	7300	962	2/3/2009	2/4/2009	
p-Isopropyltoluene	EPA 8260B	9B03005	960	7700	962	2/3/2009	2/4/2009	
Methylene chloride	EPA 8260B	9B03005	9600	ND	962	2/3/2009	2/4/2009	
Naphthalene	EPA 8260B	9B03005	2400	51000	962	2/3/2009	2/4/2009	

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-02 (L1-S - Solid) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	9B03005	960	14000	962	2/3/2009	2/4/2009	
Styrene	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
1,1,1,2-Tetrachloroethane	EPA 8260B	9B03005	2400	ND	962	2/3/2009	2/4/2009	
1,1,2,2-Tetrachloroethane	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
Tetrachloroethene	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
Toluene	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
1,2,3-Trichlorobenzene	EPA 8260B	9B03005	2400	ND	962	2/3/2009	2/4/2009	
1,2,4-Trichlorobenzene	EPA 8260B	9B03005	2400	ND	962	2/3/2009	2/4/2009	
1,1,1-Trichloroethane	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
1,1,2-Trichloroethane	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
Trichloroethene	EPA 8260B	9B03005	960	ND	962	2/3/2009	2/4/2009	
Trichlorofluoromethane	EPA 8260B	9B03005	2400	ND	962	2/3/2009	2/4/2009	
1,2,3-Trichloropropane	EPA 8260B	9B03005	4800	ND	962	2/3/2009	2/4/2009	
1,2,4-Trimethylbenzene	EPA 8260B	9B03005	960	31000	962	2/3/2009	2/4/2009	
1,3,5-Trimethylbenzene	EPA 8260B	9B03005	960	3500	962	2/3/2009	2/4/2009	
Vinyl chloride	EPA 8260B	9B03005	2400	ND	962	2/3/2009	2/4/2009	
m,p-Xylenes	EPA 8260B	9B03005	960	5400	962	2/3/2009	2/4/2009	
o-Xylene	EPA 8260B	9B03005	960	1600	962	2/3/2009	2/4/2009	
<i>Surrogate: 4-Bromofluorobenzene (65-140%)</i>				100 %				
<i>Surrogate: Dibromofluoromethane (55-140%)</i>				92 %				
<i>Surrogate: Toluene-d8 (60-140%)</i>				99 %				

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-03 (L1-E - Solid)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	9B03005	1100	2600	1060	2/3/2009	2/4/2009	
Bromobenzene	EPA 8260B	9B03005	2700	ND	1060	2/3/2009	2/4/2009	
Bromochloromethane	EPA 8260B	9B03005	2700	ND	1060	2/3/2009	2/4/2009	
Bromodichloromethane	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
Bromoform	EPA 8260B	9B03005	2700	ND	1060	2/3/2009	2/4/2009	
Bromomethane	EPA 8260B	9B03005	2700	ND	1060	2/3/2009	2/4/2009	
n-Butylbenzene	EPA 8260B	9B03005	2700	ND	1060	2/3/2009	2/4/2009	
sec-Butylbenzene	EPA 8260B	9B03005	2700	11000	1060	2/3/2009	2/4/2009	
tert-Butylbenzene	EPA 8260B	9B03005	2700	ND	1060	2/3/2009	2/4/2009	
Carbon tetrachloride	EPA 8260B	9B03005	2700	ND	1060	2/3/2009	2/4/2009	
Chlorobenzene	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
Chloroethane	EPA 8260B	9B03005	2700	ND	1060	2/3/2009	2/4/2009	
Chloroform	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
Chloromethane	EPA 8260B	9B03005	2700	ND	1060	2/3/2009	2/4/2009	
2-Chlorotoluene	EPA 8260B	9B03005	2700	ND	1060	2/3/2009	2/4/2009	
4-Chlorotoluene	EPA 8260B	9B03005	2700	ND	1060	2/3/2009	2/4/2009	
1,2-Dibromo-3-chloropropane	EPA 8260B	9B03005	2700	ND	1060	2/3/2009	2/4/2009	
Dibromochloromethane	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
1,2-Dibromoethane (EDB)	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
Dibromomethane	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
1,2-Dichlorobenzene	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
1,3-Dichlorobenzene	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
1,4-Dichlorobenzene	EPA 8260B	9B03005	1100	1800	1060	2/3/2009	2/4/2009	
Dichlorodifluoromethane	EPA 8260B	9B03005	2100	ND	1060	2/3/2009	2/4/2009	
1,1-Dichloroethane	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
1,2-Dichloroethane	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
1,1-Dichloroethene	EPA 8260B	9B03005	2700	ND	1060	2/3/2009	2/4/2009	
cis-1,2-Dichloroethene	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
trans-1,2-Dichloroethene	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
1,2-Dichloropropane	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
1,3-Dichloropropane	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
2,2-Dichloropropane	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
cis-1,3-Dichloropropene	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
trans-1,3-Dichloropropene	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
1,1-Dichloropropene	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
Ethylbenzene	EPA 8260B	9B03005	1100	22000	1060	2/3/2009	2/4/2009	
Hexachlorobutadiene	EPA 8260B	9B03005	2700	ND	1060	2/3/2009	2/4/2009	
Isopropylbenzene	EPA 8260B	9B03005	1100	13000	1060	2/3/2009	2/4/2009	
p-Isopropyltoluene	EPA 8260B	9B03005	1100	12000	1060	2/3/2009	2/4/2009	
Methylene chloride	EPA 8260B	9B03005	11000	ND	1060	2/3/2009	2/4/2009	
Naphthalene	EPA 8260B	9B03005	2700	29000	1060	2/3/2009	2/4/2009	

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Project Manager

Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-03 (L1-E - Solid) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	9B03005	1100	23000	1060	2/3/2009	2/4/2009	
Styrene	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
1,1,1,2-Tetrachloroethane	EPA 8260B	9B03005	2700	ND	1060	2/3/2009	2/4/2009	
1,1,2,2-Tetrachloroethane	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
Tetrachloroethene	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
Toluene	EPA 8260B	9B03005	1100	5500	1060	2/3/2009	2/4/2009	
1,2,3-Trichlorobenzene	EPA 8260B	9B03005	2700	ND	1060	2/3/2009	2/4/2009	
1,2,4-Trichlorobenzene	EPA 8260B	9B03005	2700	ND	1060	2/3/2009	2/4/2009	
1,1,1-Trichloroethane	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
1,1,2-Trichloroethane	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
Trichloroethene	EPA 8260B	9B03005	1100	ND	1060	2/3/2009	2/4/2009	
Trichlorofluoromethane	EPA 8260B	9B03005	2700	ND	1060	2/3/2009	2/4/2009	
1,2,3-Trichloropropane	EPA 8260B	9B03005	5300	ND	1060	2/3/2009	2/4/2009	
1,2,4-Trimethylbenzene	EPA 8260B	9B03005	1100	66000	1060	2/3/2009	2/4/2009	
1,3,5-Trimethylbenzene	EPA 8260B	9B03005	1100	21000	1060	2/3/2009	2/4/2009	
Vinyl chloride	EPA 8260B	9B03005	2700	ND	1060	2/3/2009	2/4/2009	
m,p-Xylenes	EPA 8260B	9B03005	1100	32000	1060	2/3/2009	2/4/2009	
o-Xylene	EPA 8260B	9B03005	1100	17000	1060	2/3/2009	2/4/2009	
Surrogate: 4-Bromofluorobenzene (65-140%)				97 %				
Surrogate: Dibromofluoromethane (55-140%)				86 %				
Surrogate: Toluene-d8 (60-140%)				97 %				

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Project Manager

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Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-04 (L1-W - Solid)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	9B03005	970	3200	971	2/3/2009	2/4/2009	
Bromobenzene	EPA 8260B	9B03005	2400	ND	971	2/3/2009	2/4/2009	
Bromochloromethane	EPA 8260B	9B03005	2400	ND	971	2/3/2009	2/4/2009	
Bromodichloromethane	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
Bromoform	EPA 8260B	9B03005	2400	ND	971	2/3/2009	2/4/2009	
Bromomethane	EPA 8260B	9B03005	2400	ND	971	2/3/2009	2/4/2009	
n-Butylbenzene	EPA 8260B	9B03005	2400	7900	971	2/3/2009	2/4/2009	
sec-Butylbenzene	EPA 8260B	9B03005	2400	6100	971	2/3/2009	2/4/2009	
tert-Butylbenzene	EPA 8260B	9B03005	2400	ND	971	2/3/2009	2/4/2009	
Carbon tetrachloride	EPA 8260B	9B03005	2400	ND	971	2/3/2009	2/4/2009	
Chlorobenzene	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
Chloroethane	EPA 8260B	9B03005	2400	ND	971	2/3/2009	2/4/2009	
Chloroform	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
Chloromethane	EPA 8260B	9B03005	2400	ND	971	2/3/2009	2/4/2009	
2-Chlorotoluene	EPA 8260B	9B03005	2400	ND	971	2/3/2009	2/4/2009	
4-Chlorotoluene	EPA 8260B	9B03005	2400	ND	971	2/3/2009	2/4/2009	
1,2-Dibromo-3-chloropropane	EPA 8260B	9B03005	2400	ND	971	2/3/2009	2/4/2009	
Dibromochloromethane	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
1,2-Dibromoethane (EDB)	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
Dibromomethane	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
1,2-Dichlorobenzene	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
1,3-Dichlorobenzene	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
1,4-Dichlorobenzene	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
Dichlorodifluoromethane	EPA 8260B	9B03005	1900	ND	971	2/3/2009	2/4/2009	
1,1-Dichloroethane	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
1,2-Dichloroethane	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
1,1-Dichloroethene	EPA 8260B	9B03005	2400	ND	971	2/3/2009	2/4/2009	
cis-1,2-Dichloroethene	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
trans-1,2-Dichloroethene	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
1,2-Dichloropropane	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
1,3-Dichloropropane	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
2,2-Dichloropropane	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
cis-1,3-Dichloropropene	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
trans-1,3-Dichloropropene	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
1,1-Dichloropropene	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
Ethylbenzene	EPA 8260B	9B03005	970	16000	971	2/3/2009	2/4/2009	
Hexachlorobutadiene	EPA 8260B	9B03005	2400	ND	971	2/3/2009	2/4/2009	
Isopropylbenzene	EPA 8260B	9B03005	970	11000	971	2/3/2009	2/4/2009	
p-Isopropyltoluene	EPA 8260B	9B03005	970	5200	971	2/3/2009	2/4/2009	
Methylene chloride	EPA 8260B	9B03005	9700	ND	971	2/3/2009	2/4/2009	
Naphthalene	EPA 8260B	9B03005	2400	25000	971	2/3/2009	2/4/2009	

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Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-04 (L1-W - Solid) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	9B03005	970	22000	971	2/3/2009	2/4/2009	
Styrene	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
1,1,1,2-Tetrachloroethane	EPA 8260B	9B03005	2400	ND	971	2/3/2009	2/4/2009	
1,1,2,2-Tetrachloroethane	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
Tetrachloroethene	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
Toluene	EPA 8260B	9B03005	970	4400	971	2/3/2009	2/4/2009	
1,2,3-Trichlorobenzene	EPA 8260B	9B03005	2400	ND	971	2/3/2009	2/4/2009	
1,2,4-Trichlorobenzene	EPA 8260B	9B03005	2400	ND	971	2/3/2009	2/4/2009	
1,1,1-Trichloroethane	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
1,1,2-Trichloroethane	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
Trichloroethene	EPA 8260B	9B03005	970	ND	971	2/3/2009	2/4/2009	
Trichlorofluoromethane	EPA 8260B	9B03005	2400	ND	971	2/3/2009	2/4/2009	
1,2,3-Trichloropropane	EPA 8260B	9B03005	4900	ND	971	2/3/2009	2/4/2009	
1,2,4-Trimethylbenzene	EPA 8260B	9B03005	970	53000	971	2/3/2009	2/4/2009	
1,3,5-Trimethylbenzene	EPA 8260B	9B03005	970	21000	971	2/3/2009	2/4/2009	
Vinyl chloride	EPA 8260B	9B03005	2400	ND	971	2/3/2009	2/4/2009	
m,p-Xylenes	EPA 8260B	9B03005	970	34000	971	2/3/2009	2/4/2009	
o-Xylene	EPA 8260B	9B03005	970	11000	971	2/3/2009	2/4/2009	
<i>Surrogate: 4-Bromofluorobenzene (65-140%)</i>				93 %				
<i>Surrogate: Dibromofluoromethane (55-140%)</i>				101 %				
<i>Surrogate: Toluene-d8 (60-140%)</i>				94 %				

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Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-05 (L1-W-dup - Solid)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	9B03005	1000	2800	1020	2/3/2009	2/4/2009	
Bromobenzene	EPA 8260B	9B03005	2600	ND	1020	2/3/2009	2/4/2009	
Bromochloromethane	EPA 8260B	9B03005	2600	ND	1020	2/3/2009	2/4/2009	
Bromodichloromethane	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
Bromoform	EPA 8260B	9B03005	2600	ND	1020	2/3/2009	2/4/2009	
Bromomethane	EPA 8260B	9B03005	2600	ND	1020	2/3/2009	2/4/2009	
n-Butylbenzene	EPA 8260B	9B03005	2600	7400	1020	2/3/2009	2/4/2009	
sec-Butylbenzene	EPA 8260B	9B03005	2600	5700	1020	2/3/2009	2/4/2009	
tert-Butylbenzene	EPA 8260B	9B03005	2600	ND	1020	2/3/2009	2/4/2009	
Carbon tetrachloride	EPA 8260B	9B03005	2600	ND	1020	2/3/2009	2/4/2009	
Chlorobenzene	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
Chloroethane	EPA 8260B	9B03005	2600	ND	1020	2/3/2009	2/4/2009	
Chloroform	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
Chloromethane	EPA 8260B	9B03005	2600	ND	1020	2/3/2009	2/4/2009	
2-Chlorotoluene	EPA 8260B	9B03005	2600	ND	1020	2/3/2009	2/4/2009	
4-Chlorotoluene	EPA 8260B	9B03005	2600	ND	1020	2/3/2009	2/4/2009	
1,2-Dibromo-3-chloropropane	EPA 8260B	9B03005	2600	ND	1020	2/3/2009	2/4/2009	
Dibromochloromethane	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
1,2-Dibromoethane (EDB)	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
Dibromomethane	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
1,2-Dichlorobenzene	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
1,3-Dichlorobenzene	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
1,4-Dichlorobenzene	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
Dichlorodifluoromethane	EPA 8260B	9B03005	2000	ND	1020	2/3/2009	2/4/2009	
1,1-Dichloroethane	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
1,2-Dichloroethane	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
1,1-Dichloroethene	EPA 8260B	9B03005	2600	ND	1020	2/3/2009	2/4/2009	
cis-1,2-Dichloroethene	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
trans-1,2-Dichloroethene	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
1,2-Dichloropropane	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
1,3-Dichloropropane	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
2,2-Dichloropropane	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
cis-1,3-Dichloropropene	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
trans-1,3-Dichloropropene	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
1,1-Dichloropropene	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
Ethylbenzene	EPA 8260B	9B03005	1000	18000	1020	2/3/2009	2/4/2009	
Hexachlorobutadiene	EPA 8260B	9B03005	2600	ND	1020	2/3/2009	2/4/2009	
Isopropylbenzene	EPA 8260B	9B03005	1000	11000	1020	2/3/2009	2/4/2009	
p-Isopropyltoluene	EPA 8260B	9B03005	1000	5200	1020	2/3/2009	2/4/2009	
Methylene chloride	EPA 8260B	9B03005	10000	ND	1020	2/3/2009	2/4/2009	
Naphthalene	EPA 8260B	9B03005	2600	24000	1020	2/3/2009	2/4/2009	

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-05 (L1-W-dup - Solid) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	9B03005	1000	22000	1020	2/3/2009	2/4/2009	
Styrene	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
1,1,1,2-Tetrachloroethane	EPA 8260B	9B03005	2600	ND	1020	2/3/2009	2/4/2009	
1,1,2,2-Tetrachloroethane	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
Tetrachloroethene	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
Toluene	EPA 8260B	9B03005	1000	3900	1020	2/3/2009	2/4/2009	
1,2,3-Trichlorobenzene	EPA 8260B	9B03005	2600	ND	1020	2/3/2009	2/4/2009	
1,2,4-Trichlorobenzene	EPA 8260B	9B03005	2600	ND	1020	2/3/2009	2/4/2009	
1,1,1-Trichloroethane	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
1,1,2-Trichloroethane	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
Trichloroethene	EPA 8260B	9B03005	1000	ND	1020	2/3/2009	2/4/2009	
Trichlorofluoromethane	EPA 8260B	9B03005	2600	ND	1020	2/3/2009	2/4/2009	
1,2,3-Trichloropropane	EPA 8260B	9B03005	5100	ND	1020	2/3/2009	2/4/2009	
1,2,4-Trimethylbenzene	EPA 8260B	9B03005	1000	47000	1020	2/3/2009	2/4/2009	
1,3,5-Trimethylbenzene	EPA 8260B	9B03005	1000	17000	1020	2/3/2009	2/4/2009	
Vinyl chloride	EPA 8260B	9B03005	2600	ND	1020	2/3/2009	2/4/2009	
m,p-Xylenes	EPA 8260B	9B03005	1000	29000	1020	2/3/2009	2/4/2009	
o-Xylene	EPA 8260B	9B03005	1000	10000	1020	2/3/2009	2/4/2009	
<i>Surrogate: 4-Bromofluorobenzene (65-140%)</i>				94 %				
<i>Surrogate: Dibromofluoromethane (55-140%)</i>				102 %				
<i>Surrogate: Toluene-d8 (60-140%)</i>				97 %				

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-06 (L2-N - Solid)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	9B03005	980	1900	980	2/3/2009	2/4/2009	
Bromobenzene	EPA 8260B	9B03005	2500	ND	980	2/3/2009	2/4/2009	
Bromochloromethane	EPA 8260B	9B03005	2500	ND	980	2/3/2009	2/4/2009	
Bromodichloromethane	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
Bromoform	EPA 8260B	9B03005	2500	ND	980	2/3/2009	2/4/2009	
Bromomethane	EPA 8260B	9B03005	2500	ND	980	2/3/2009	2/4/2009	
n-Butylbenzene	EPA 8260B	9B03005	2500	10000	980	2/3/2009	2/4/2009	
sec-Butylbenzene	EPA 8260B	9B03005	2500	7800	980	2/3/2009	2/4/2009	
tert-Butylbenzene	EPA 8260B	9B03005	2500	ND	980	2/3/2009	2/4/2009	
Carbon tetrachloride	EPA 8260B	9B03005	2500	ND	980	2/3/2009	2/4/2009	
Chlorobenzene	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
Chloroethane	EPA 8260B	9B03005	2500	ND	980	2/3/2009	2/4/2009	
Chloroform	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
Chloromethane	EPA 8260B	9B03005	2500	ND	980	2/3/2009	2/4/2009	
2-Chlorotoluene	EPA 8260B	9B03005	2500	ND	980	2/3/2009	2/4/2009	
4-Chlorotoluene	EPA 8260B	9B03005	2500	ND	980	2/3/2009	2/4/2009	
1,2-Dibromo-3-chloropropane	EPA 8260B	9B03005	2500	ND	980	2/3/2009	2/4/2009	
Dibromochloromethane	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
1,2-Dibromoethane (EDB)	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
Dibromomethane	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
1,2-Dichlorobenzene	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
1,3-Dichlorobenzene	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
1,4-Dichlorobenzene	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
Dichlorodifluoromethane	EPA 8260B	9B03005	2000	ND	980	2/3/2009	2/4/2009	
1,1-Dichloroethane	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
1,2-Dichloroethane	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
1,1-Dichloroethene	EPA 8260B	9B03005	2500	ND	980	2/3/2009	2/4/2009	
cis-1,2-Dichloroethene	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
trans-1,2-Dichloroethene	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
1,2-Dichloropropane	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
1,3-Dichloropropane	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
2,2-Dichloropropane	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
cis-1,3-Dichloropropene	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
trans-1,3-Dichloropropene	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
1,1-Dichloropropene	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
Ethylbenzene	EPA 8260B	9B03005	980	14000	980	2/3/2009	2/4/2009	
Hexachlorobutadiene	EPA 8260B	9B03005	2500	ND	980	2/3/2009	2/4/2009	
Isopropylbenzene	EPA 8260B	9B03005	980	9300	980	2/3/2009	2/4/2009	
p-Isopropyltoluene	EPA 8260B	9B03005	980	9600	980	2/3/2009	2/4/2009	
Methylene chloride	EPA 8260B	9B03005	9800	ND	980	2/3/2009	2/4/2009	
Naphthalene	EPA 8260B	9B03005	2500	27000	980	2/3/2009	2/4/2009	

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-06 (L2-N - Solid) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	9B03005	980	16000	980	2/3/2009	2/4/2009	
Styrene	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
1,1,1,2-Tetrachloroethane	EPA 8260B	9B03005	2500	ND	980	2/3/2009	2/4/2009	
1,1,2,2-Tetrachloroethane	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
Tetrachloroethene	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
Toluene	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
1,2,3-Trichlorobenzene	EPA 8260B	9B03005	2500	ND	980	2/3/2009	2/4/2009	
1,2,4-Trichlorobenzene	EPA 8260B	9B03005	2500	ND	980	2/3/2009	2/4/2009	
1,1,1-Trichloroethane	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
1,1,2-Trichloroethane	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
Trichloroethene	EPA 8260B	9B03005	980	ND	980	2/3/2009	2/4/2009	
Trichlorofluoromethane	EPA 8260B	9B03005	2500	ND	980	2/3/2009	2/4/2009	
1,2,3-Trichloropropane	EPA 8260B	9B03005	4900	ND	980	2/3/2009	2/4/2009	
1,2,4-Trimethylbenzene	EPA 8260B	9B03005	980	37000	980	2/3/2009	2/4/2009	
1,3,5-Trimethylbenzene	EPA 8260B	9B03005	980	14000	980	2/3/2009	2/4/2009	
Vinyl chloride	EPA 8260B	9B03005	2500	ND	980	2/3/2009	2/4/2009	
m,p-Xylenes	EPA 8260B	9B03005	980	18000	980	2/3/2009	2/4/2009	
o-Xylene	EPA 8260B	9B03005	980	8000	980	2/3/2009	2/4/2009	
<i>Surrogate: 4-Bromofluorobenzene (65-140%)</i>				96 %				
<i>Surrogate: Dibromofluoromethane (55-140%)</i>				104 %				
<i>Surrogate: Toluene-d8 (60-140%)</i>				99 %				

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-07 (L2-S - Solid)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	9B03005	890	3500	893	2/3/2009	2/4/2009	
Bromobenzene	EPA 8260B	9B03005	2200	ND	893	2/3/2009	2/4/2009	
Bromochloromethane	EPA 8260B	9B03005	2200	ND	893	2/3/2009	2/4/2009	
Bromodichloromethane	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
Bromoform	EPA 8260B	9B03005	2200	ND	893	2/3/2009	2/4/2009	
Bromomethane	EPA 8260B	9B03005	2200	ND	893	2/3/2009	2/4/2009	
n-Butylbenzene	EPA 8260B	9B03005	2200	ND	893	2/3/2009	2/4/2009	
sec-Butylbenzene	EPA 8260B	9B03005	2200	6400	893	2/3/2009	2/4/2009	
tert-Butylbenzene	EPA 8260B	9B03005	2200	ND	893	2/3/2009	2/4/2009	
Carbon tetrachloride	EPA 8260B	9B03005	2200	ND	893	2/3/2009	2/4/2009	
Chlorobenzene	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
Chloroethane	EPA 8260B	9B03005	2200	ND	893	2/3/2009	2/4/2009	
Chloroform	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
Chloromethane	EPA 8260B	9B03005	2200	ND	893	2/3/2009	2/4/2009	
2-Chlorotoluene	EPA 8260B	9B03005	2200	ND	893	2/3/2009	2/4/2009	
4-Chlorotoluene	EPA 8260B	9B03005	2200	ND	893	2/3/2009	2/4/2009	
1,2-Dibromo-3-chloropropane	EPA 8260B	9B03005	2200	ND	893	2/3/2009	2/4/2009	
Dibromochloromethane	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
1,2-Dibromoethane (EDB)	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
Dibromomethane	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
1,2-Dichlorobenzene	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
1,3-Dichlorobenzene	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
1,4-Dichlorobenzene	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
Dichlorodifluoromethane	EPA 8260B	9B03005	1800	ND	893	2/3/2009	2/4/2009	
1,1-Dichloroethane	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
1,2-Dichloroethane	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
1,1-Dichloroethene	EPA 8260B	9B03005	2200	ND	893	2/3/2009	2/4/2009	
cis-1,2-Dichloroethene	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
trans-1,2-Dichloroethene	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
1,2-Dichloropropane	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
1,3-Dichloropropane	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
2,2-Dichloropropane	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
cis-1,3-Dichloropropene	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
trans-1,3-Dichloropropene	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
1,1-Dichloropropene	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
Ethylbenzene	EPA 8260B	9B03005	890	14000	893	2/3/2009	2/4/2009	
Hexachlorobutadiene	EPA 8260B	9B03005	2200	ND	893	2/3/2009	2/4/2009	
Isopropylbenzene	EPA 8260B	9B03005	890	6700	893	2/3/2009	2/4/2009	
p-Isopropyltoluene	EPA 8260B	9B03005	890	7800	893	2/3/2009	2/4/2009	
Methylene chloride	EPA 8260B	9B03005	8900	ND	893	2/3/2009	2/4/2009	
Naphthalene	EPA 8260B	9B03005	2200	24000	893	2/3/2009	2/4/2009	

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2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-07 (L2-S - Solid) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	9B03005	890	12000	893	2/3/2009	2/4/2009	
Styrene	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
1,1,1,2-Tetrachloroethane	EPA 8260B	9B03005	2200	ND	893	2/3/2009	2/4/2009	
1,1,2,2-Tetrachloroethane	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
Tetrachloroethene	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
Toluene	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
1,2,3-Trichlorobenzene	EPA 8260B	9B03005	2200	ND	893	2/3/2009	2/4/2009	
1,2,4-Trichlorobenzene	EPA 8260B	9B03005	2200	ND	893	2/3/2009	2/4/2009	
1,1,1-Trichloroethane	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
1,1,2-Trichloroethane	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
Trichloroethene	EPA 8260B	9B03005	890	ND	893	2/3/2009	2/4/2009	
Trichlorofluoromethane	EPA 8260B	9B03005	2200	ND	893	2/3/2009	2/4/2009	
1,2,3-Trichloropropane	EPA 8260B	9B03005	4500	ND	893	2/3/2009	2/4/2009	
1,2,4-Trimethylbenzene	EPA 8260B	9B03005	890	40000	893	2/3/2009	2/4/2009	
1,3,5-Trimethylbenzene	EPA 8260B	9B03005	890	7500	893	2/3/2009	2/4/2009	
Vinyl chloride	EPA 8260B	9B03005	2200	ND	893	2/3/2009	2/4/2009	
m,p-Xylenes	EPA 8260B	9B03005	890	15000	893	2/3/2009	2/4/2009	
o-Xylene	EPA 8260B	9B03005	890	3300	893	2/3/2009	2/4/2009	
<i>Surrogate: 4-Bromofluorobenzene (65-140%)</i>				108 %				
<i>Surrogate: Dibromofluoromethane (55-140%)</i>				111 %				
<i>Surrogate: Toluene-d8 (60-140%)</i>				110 %				

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-08 (L2-E - Solid)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	9B03005	920	4000	917	2/3/2009	2/4/2009	
Bromobenzene	EPA 8260B	9B03005	2300	ND	917	2/3/2009	2/4/2009	
Bromochloromethane	EPA 8260B	9B03005	2300	ND	917	2/3/2009	2/4/2009	
Bromodichloromethane	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
Bromoform	EPA 8260B	9B03005	2300	ND	917	2/3/2009	2/4/2009	
Bromomethane	EPA 8260B	9B03005	2300	ND	917	2/3/2009	2/4/2009	
n-Butylbenzene	EPA 8260B	9B03005	2300	ND	917	2/3/2009	2/4/2009	
sec-Butylbenzene	EPA 8260B	9B03005	2300	7100	917	2/3/2009	2/4/2009	
tert-Butylbenzene	EPA 8260B	9B03005	2300	ND	917	2/3/2009	2/4/2009	
Carbon tetrachloride	EPA 8260B	9B03005	2300	ND	917	2/3/2009	2/4/2009	
Chlorobenzene	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
Chloroethane	EPA 8260B	9B03005	2300	ND	917	2/3/2009	2/4/2009	
Chloroform	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
Chloromethane	EPA 8260B	9B03005	2300	ND	917	2/3/2009	2/4/2009	
2-Chlorotoluene	EPA 8260B	9B03005	2300	ND	917	2/3/2009	2/4/2009	
4-Chlorotoluene	EPA 8260B	9B03005	2300	ND	917	2/3/2009	2/4/2009	
1,2-Dibromo-3-chloropropane	EPA 8260B	9B03005	2300	ND	917	2/3/2009	2/4/2009	
Dibromochloromethane	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
1,2-Dibromoethane (EDB)	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
Dibromomethane	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
1,2-Dichlorobenzene	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
1,3-Dichlorobenzene	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
1,4-Dichlorobenzene	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
Dichlorodifluoromethane	EPA 8260B	9B03005	1800	ND	917	2/3/2009	2/4/2009	
1,1-Dichloroethane	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
1,2-Dichloroethane	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
1,1-Dichloroethene	EPA 8260B	9B03005	2300	ND	917	2/3/2009	2/4/2009	
cis-1,2-Dichloroethene	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
trans-1,2-Dichloroethene	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
1,2-Dichloropropane	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
1,3-Dichloropropane	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
2,2-Dichloropropane	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
cis-1,3-Dichloropropene	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
trans-1,3-Dichloropropene	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
1,1-Dichloropropene	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
Ethylbenzene	EPA 8260B	9B03005	920	19000	917	2/3/2009	2/4/2009	
Hexachlorobutadiene	EPA 8260B	9B03005	2300	ND	917	2/3/2009	2/4/2009	
Isopropylbenzene	EPA 8260B	9B03005	920	9000	917	2/3/2009	2/4/2009	
p-Isopropyltoluene	EPA 8260B	9B03005	920	8800	917	2/3/2009	2/4/2009	
Methylene chloride	EPA 8260B	9B03005	9200	ND	917	2/3/2009	2/4/2009	
Naphthalene	EPA 8260B	9B03005	2300	40000	917	2/3/2009	2/4/2009	

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-08 (L2-E - Solid) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	9B03005	920	17000	917	2/3/2009	2/4/2009	
Styrene	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
1,1,1,2-Tetrachloroethane	EPA 8260B	9B03005	2300	ND	917	2/3/2009	2/4/2009	
1,1,2,2-Tetrachloroethane	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
Tetrachloroethene	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
Toluene	EPA 8260B	9B03005	920	10000	917	2/3/2009	2/4/2009	
1,2,3-Trichlorobenzene	EPA 8260B	9B03005	2300	ND	917	2/3/2009	2/4/2009	
1,2,4-Trichlorobenzene	EPA 8260B	9B03005	2300	ND	917	2/3/2009	2/4/2009	
1,1,1-Trichloroethane	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
1,1,2-Trichloroethane	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
Trichloroethene	EPA 8260B	9B03005	920	ND	917	2/3/2009	2/4/2009	
Trichlorofluoromethane	EPA 8260B	9B03005	2300	ND	917	2/3/2009	2/4/2009	
1,2,3-Trichloropropane	EPA 8260B	9B03005	4600	ND	917	2/3/2009	2/4/2009	
1,2,4-Trimethylbenzene	EPA 8260B	9B03005	920	64000	917	2/3/2009	2/4/2009	
1,3,5-Trimethylbenzene	EPA 8260B	9B03005	920	23000	917	2/3/2009	2/4/2009	
Vinyl chloride	EPA 8260B	9B03005	2300	ND	917	2/3/2009	2/4/2009	
m,p-Xylenes	EPA 8260B	9B03005	920	40000	917	2/3/2009	2/4/2009	
o-Xylene	EPA 8260B	9B03005	920	24000	917	2/3/2009	2/4/2009	
<i>Surrogate: 4-Bromofluorobenzene (65-140%)</i>				99 %				
<i>Surrogate: Dibromofluoromethane (55-140%)</i>				103 %				
<i>Surrogate: Toluene-d8 (60-140%)</i>				99 %				

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-09 (L2-W - Solid)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	9B03005	1000	3000	1010	2/3/2009	2/4/2009	
Bromobenzene	EPA 8260B	9B03005	2500	ND	1010	2/3/2009	2/4/2009	
Bromochloromethane	EPA 8260B	9B03005	2500	ND	1010	2/3/2009	2/4/2009	
Bromodichloromethane	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
Bromoform	EPA 8260B	9B03005	2500	ND	1010	2/3/2009	2/4/2009	
Bromomethane	EPA 8260B	9B03005	2500	ND	1010	2/3/2009	2/4/2009	
n-Butylbenzene	EPA 8260B	9B03005	2500	ND	1010	2/3/2009	2/4/2009	
sec-Butylbenzene	EPA 8260B	9B03005	2500	11000	1010	2/3/2009	2/4/2009	
tert-Butylbenzene	EPA 8260B	9B03005	2500	ND	1010	2/3/2009	2/4/2009	
Carbon tetrachloride	EPA 8260B	9B03005	2500	ND	1010	2/3/2009	2/4/2009	
Chlorobenzene	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
Chloroethane	EPA 8260B	9B03005	2500	ND	1010	2/3/2009	2/4/2009	
Chloroform	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
Chloromethane	EPA 8260B	9B03005	2500	ND	1010	2/3/2009	2/4/2009	
2-Chlorotoluene	EPA 8260B	9B03005	2500	ND	1010	2/3/2009	2/4/2009	
4-Chlorotoluene	EPA 8260B	9B03005	2500	ND	1010	2/3/2009	2/4/2009	
1,2-Dibromo-3-chloropropane	EPA 8260B	9B03005	2500	ND	1010	2/3/2009	2/4/2009	
Dibromochloromethane	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
1,2-Dibromoethane (EDB)	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
Dibromomethane	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
1,2-Dichlorobenzene	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
1,3-Dichlorobenzene	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
1,4-Dichlorobenzene	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
Dichlorodifluoromethane	EPA 8260B	9B03005	2000	ND	1010	2/3/2009	2/4/2009	
1,1-Dichloroethane	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
1,2-Dichloroethane	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
1,1-Dichloroethene	EPA 8260B	9B03005	2500	ND	1010	2/3/2009	2/4/2009	
cis-1,2-Dichloroethene	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
trans-1,2-Dichloroethene	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
1,2-Dichloropropane	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
1,3-Dichloropropane	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
2,2-Dichloropropane	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
cis-1,3-Dichloropropene	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
trans-1,3-Dichloropropene	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
1,1-Dichloropropene	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
Ethylbenzene	EPA 8260B	9B03005	1000	30000	1010	2/3/2009	2/4/2009	
Hexachlorobutadiene	EPA 8260B	9B03005	2500	ND	1010	2/3/2009	2/4/2009	
Isopropylbenzene	EPA 8260B	9B03005	1000	11000	1010	2/3/2009	2/4/2009	
p-Isopropyltoluene	EPA 8260B	9B03005	1000	13000	1010	2/3/2009	2/4/2009	
Methylene chloride	EPA 8260B	9B03005	10000	ND	1010	2/3/2009	2/4/2009	
Naphthalene	EPA 8260B	9B03005	2500	66000	1010	2/3/2009	2/4/2009	

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-09 (L2-W - Solid) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	9B03005	1000	21000	1010	2/3/2009	2/4/2009	
Styrene	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
1,1,1,2-Tetrachloroethane	EPA 8260B	9B03005	2500	ND	1010	2/3/2009	2/4/2009	
1,1,2,2-Tetrachloroethane	EPA 8260B	9B03005	1000	2600	1010	2/3/2009	2/4/2009	
Tetrachloroethene	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
Toluene	EPA 8260B	9B03005	1000	10000	1010	2/3/2009	2/4/2009	
1,2,3-Trichlorobenzene	EPA 8260B	9B03005	2500	ND	1010	2/3/2009	2/4/2009	
1,2,4-Trichlorobenzene	EPA 8260B	9B03005	2500	ND	1010	2/3/2009	2/4/2009	
1,1,1-Trichloroethane	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
1,1,2-Trichloroethane	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
Trichloroethene	EPA 8260B	9B03005	1000	ND	1010	2/3/2009	2/4/2009	
Trichlorofluoromethane	EPA 8260B	9B03005	2500	ND	1010	2/3/2009	2/4/2009	
1,2,3-Trichloropropane	EPA 8260B	9B03005	5100	ND	1010	2/3/2009	2/4/2009	
1,2,4-Trimethylbenzene	EPA 8260B	9B03005	1000	45000	1010	2/3/2009	2/4/2009	
1,3,5-Trimethylbenzene	EPA 8260B	9B03005	1000	8100	1010	2/3/2009	2/4/2009	
Vinyl chloride	EPA 8260B	9B03005	2500	ND	1010	2/3/2009	2/4/2009	
m,p-Xylenes	EPA 8260B	9B03005	1000	20000	1010	2/3/2009	2/4/2009	
o-Xylene	EPA 8260B	9B03005	1000	10000	1010	2/3/2009	2/4/2009	
Surrogate: 4-Bromofluorobenzene (65-140%)				100 %				
Surrogate: Dibromofluoromethane (55-140%)				94 %				
Surrogate: Toluene-d8 (60-140%)				103 %				

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-10 (L2-W-dup - Solid)								
Reporting Units: ug/kg								
Benzene	EPA 8260B	9B03005	990	2200	990	2/3/2009	2/4/2009	
Bromobenzene	EPA 8260B	9B03005	2500	ND	990	2/3/2009	2/4/2009	
Bromochloromethane	EPA 8260B	9B03005	2500	ND	990	2/3/2009	2/4/2009	
Bromodichloromethane	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
Bromoform	EPA 8260B	9B03005	2500	ND	990	2/3/2009	2/4/2009	
Bromomethane	EPA 8260B	9B03005	2500	ND	990	2/3/2009	2/4/2009	
n-Butylbenzene	EPA 8260B	9B03005	2500	ND	990	2/3/2009	2/4/2009	
sec-Butylbenzene	EPA 8260B	9B03005	2500	8000	990	2/3/2009	2/4/2009	
tert-Butylbenzene	EPA 8260B	9B03005	2500	ND	990	2/3/2009	2/4/2009	
Carbon tetrachloride	EPA 8260B	9B03005	2500	ND	990	2/3/2009	2/4/2009	
Chlorobenzene	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
Chloroethane	EPA 8260B	9B03005	2500	ND	990	2/3/2009	2/4/2009	
Chloroform	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
Chloromethane	EPA 8260B	9B03005	2500	ND	990	2/3/2009	2/4/2009	
2-Chlorotoluene	EPA 8260B	9B03005	2500	ND	990	2/3/2009	2/4/2009	
4-Chlorotoluene	EPA 8260B	9B03005	2500	ND	990	2/3/2009	2/4/2009	
1,2-Dibromo-3-chloropropane	EPA 8260B	9B03005	2500	3000	990	2/3/2009	2/4/2009	
Dibromochloromethane	EPA 8260B	9B03005	990	6900	990	2/3/2009	2/4/2009	
1,2-Dibromoethane (EDB)	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
Dibromomethane	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
1,2-Dichlorobenzene	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
1,3-Dichlorobenzene	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
1,4-Dichlorobenzene	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
Dichlorodifluoromethane	EPA 8260B	9B03005	2000	ND	990	2/3/2009	2/4/2009	
1,1-Dichloroethane	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
1,2-Dichloroethane	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
1,1-Dichloroethene	EPA 8260B	9B03005	2500	ND	990	2/3/2009	2/4/2009	
cis-1,2-Dichloroethene	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
trans-1,2-Dichloroethene	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
1,2-Dichloropropane	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
1,3-Dichloropropane	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
2,2-Dichloropropane	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
cis-1,3-Dichloropropene	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
trans-1,3-Dichloropropene	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
1,1-Dichloropropene	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
Ethylbenzene	EPA 8260B	9B03005	990	28000	990	2/3/2009	2/4/2009	
Hexachlorobutadiene	EPA 8260B	9B03005	2500	ND	990	2/3/2009	2/4/2009	
Isopropylbenzene	EPA 8260B	9B03005	990	6800	990	2/3/2009	2/4/2009	
p-Isopropyltoluene	EPA 8260B	9B03005	990	11000	990	2/3/2009	2/4/2009	
Methylene chloride	EPA 8260B	9B03005	9900	ND	990	2/3/2009	2/4/2009	
Naphthalene	EPA 8260B	9B03005	2500	33000	990	2/3/2009	2/4/2009	

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2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-10 (L2-W-dup - Solid) - cont.								
Reporting Units: ug/kg								
n-Propylbenzene	EPA 8260B	9B03005	990	12000	990	2/3/2009	2/4/2009	
Styrene	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
1,1,1,2-Tetrachloroethane	EPA 8260B	9B03005	2500	ND	990	2/3/2009	2/4/2009	
1,1,2,2-Tetrachloroethane	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
Tetrachloroethene	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
Toluene	EPA 8260B	9B03005	990	9500	990	2/3/2009	2/4/2009	
1,2,3-Trichlorobenzene	EPA 8260B	9B03005	2500	ND	990	2/3/2009	2/4/2009	
1,2,4-Trichlorobenzene	EPA 8260B	9B03005	2500	ND	990	2/3/2009	2/4/2009	
1,1,1-Trichloroethane	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
1,1,2-Trichloroethane	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
Trichloroethene	EPA 8260B	9B03005	990	ND	990	2/3/2009	2/4/2009	
Trichlorofluoromethane	EPA 8260B	9B03005	2500	ND	990	2/3/2009	2/4/2009	
1,2,3-Trichloropropane	EPA 8260B	9B03005	5000	ND	990	2/3/2009	2/4/2009	
1,2,4-Trimethylbenzene	EPA 8260B	9B03005	990	50000	990	2/3/2009	2/4/2009	
1,3,5-Trimethylbenzene	EPA 8260B	9B03005	990	16000	990	2/3/2009	2/4/2009	
Vinyl chloride	EPA 8260B	9B03005	2500	ND	990	2/3/2009	2/4/2009	
m,p-Xylenes	EPA 8260B	9B03005	990	24000	990	2/3/2009	2/4/2009	
o-Xylene	EPA 8260B	9B03005	990	16000	990	2/3/2009	2/4/2009	
<i>Surrogate: 4-Bromofluorobenzene (65-140%)</i>				97 %				
<i>Surrogate: Dibromofluoromethane (55-140%)</i>				95 %				
<i>Surrogate: Toluene-d8 (60-140%)</i>				105 %				

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Joseph Doak
Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-01 (L1-N - Solid)								RL2
Reporting Units: ug/kg								
Acenaphthene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Acenaphthylene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Aniline	EPA 8270C	9B02052	31000	ND	74.6	2/2/2009	2/3/2009	
Anthracene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Benzidine	EPA 8270C	9B02052	49000	ND	74.6	2/2/2009	2/3/2009	
Benzo(a)anthracene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Benzo(a)pyrene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Benzo(b)fluoranthene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Benzo(g,h,i)perylene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Benzo(k)fluoranthene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Benzoic acid	EPA 8270C	9B02052	62000	ND	74.6	2/2/2009	2/3/2009	
Benzyl alcohol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4-Bromophenyl phenyl ether	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Butyl benzyl phthalate	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4-Chloro-3-methylphenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4-Chloroaniline	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Bis(2-chloroethoxy)methane	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Bis(2-chloroethyl)ether	EPA 8270C	9B02052	12000	ND	74.6	2/2/2009	2/3/2009	
Bis(2-chloroisopropyl)ether	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2-Chloronaphthalene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2-Chlorophenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4-Chlorophenyl phenyl ether	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Chrysene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Dibenz(a,h)anthracene	EPA 8270C	9B02052	31000	ND	74.6	2/2/2009	2/3/2009	
Dibenzofuran	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Di-n-butyl phthalate	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
1,2-Dichlorobenzene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
1,3-Dichlorobenzene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
1,4-Dichlorobenzene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
3,3'-Dichlorobenzidine	EPA 8270C	9B02052	62000	ND	74.6	2/2/2009	2/3/2009	
2,4-Dichlorophenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Diethyl phthalate	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2,4-Dimethylphenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Dimethyl phthalate	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4,6-Dinitro-2-methylphenol	EPA 8270C	9B02052	31000	ND	74.6	2/2/2009	2/3/2009	
2,4-Dinitrophenol	EPA 8270C	9B02052	49000	ND	74.6	2/2/2009	2/3/2009	
2,4-Dinitrotoluene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2,6-Dinitrotoluene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Di-n-octyl phthalate	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Bis(2-ethylhexyl)phthalate	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	

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Joseph Doak
Project Manager

Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-01 (L1-N - Solid) - cont.								RL2
Reporting Units: ug/kg								
Fluoranthene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Fluorene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Hexachlorobenzene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Hexachlorobutadiene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Hexachlorocyclopentadiene	EPA 8270C	9B02052	62000	ND	74.6	2/2/2009	2/3/2009	
Hexachloroethane	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Indeno(1,2,3-cd)pyrene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Isophorone	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2-Methylnaphthalene	EPA 8270C	9B02052	25000	110000	74.6	2/2/2009	2/3/2009	
2-Methylphenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4-Methylphenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Naphthalene	EPA 8270C	9B02052	25000	37000	74.6	2/2/2009	2/3/2009	
2-Nitroaniline	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
3-Nitroaniline	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4-Nitroaniline	EPA 8270C	9B02052	62000	ND	74.6	2/2/2009	2/3/2009	
Nitrobenzene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2-Nitrophenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4-Nitrophenol	EPA 8270C	9B02052	62000	ND	74.6	2/2/2009	2/3/2009	
N-Nitroso-di-n-propylamine	EPA 8270C	9B02052	19000	ND	74.6	2/2/2009	2/3/2009	
N-Nitrosodiphenylamine	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Pentachlorophenol	EPA 8270C	9B02052	62000	ND	74.6	2/2/2009	2/3/2009	
Phenanthrene	EPA 8270C	9B02052	25000	29000	74.6	2/2/2009	2/3/2009	
Phenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Pyrene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
1,2,4-Trichlorobenzene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2,4,5-Trichlorophenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2,4,6-Trichlorophenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Surrogate: 2,4,6-Tribromophenol (35-125%)				142 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				72 %				Z3
Surrogate: 2-Fluorophenol (25-120%)				*				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				115 %				Z3
Surrogate: Phenol-d6 (35-120%)				*				Z3
Surrogate: Terphenyl-d14 (40-135%)				116 %				Z3

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-02 (L1-S - Solid)								RL2
Reporting Units: ug/kg								
Acenaphthene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Acenaphthylene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Aniline	EPA 8270C	9B02052	25000	ND	59.9	2/2/2009	2/2/2009	
Anthracene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Benzidine	EPA 8270C	9B02052	40000	ND	59.9	2/2/2009	2/2/2009	
Benzo(a)anthracene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Benzo(a)pyrene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Benzo(b)fluoranthene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Benzo(g,h,i)perylene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Benzo(k)fluoranthene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Benzoic acid	EPA 8270C	9B02052	50000	ND	59.9	2/2/2009	2/2/2009	
Benzyl alcohol	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
4-Bromophenyl phenyl ether	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Butyl benzyl phthalate	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
4-Chloro-3-methylphenol	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
4-Chloroaniline	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Bis(2-chloroethoxy)methane	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Bis(2-chloroethyl)ether	EPA 8270C	9B02052	10000	ND	59.9	2/2/2009	2/2/2009	
Bis(2-chloroisopropyl)ether	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
2-Chloronaphthalene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
2-Chlorophenol	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
4-Chlorophenyl phenyl ether	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Chrysene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Dibenz(a,h)anthracene	EPA 8270C	9B02052	25000	ND	59.9	2/2/2009	2/2/2009	
Dibenzofuran	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Di-n-butyl phthalate	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
1,2-Dichlorobenzene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
1,3-Dichlorobenzene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
1,4-Dichlorobenzene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
3,3'-Dichlorobenzidine	EPA 8270C	9B02052	50000	ND	59.9	2/2/2009	2/2/2009	
2,4-Dichlorophenol	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Diethyl phthalate	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
2,4-Dimethylphenol	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Dimethyl phthalate	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
4,6-Dinitro-2-methylphenol	EPA 8270C	9B02052	25000	ND	59.9	2/2/2009	2/2/2009	
2,4-Dinitrophenol	EPA 8270C	9B02052	40000	ND	59.9	2/2/2009	2/2/2009	
2,4-Dinitrotoluene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
2,6-Dinitrotoluene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Di-n-octyl phthalate	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Bis(2-ethylhexyl)phthalate	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-02 (L1-S - Solid) - cont.								RL2
Reporting Units: ug/kg								
Fluoranthene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Fluorene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Hexachlorobenzene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Hexachlorobutadiene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Hexachlorocyclopentadiene	EPA 8270C	9B02052	50000	ND	59.9	2/2/2009	2/2/2009	
Hexachloroethane	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Indeno(1,2,3-cd)pyrene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Isophorone	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
2-Methylnaphthalene	EPA 8270C	9B02052	20000	44000	59.9	2/2/2009	2/2/2009	
2-Methylphenol	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
4-Methylphenol	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Naphthalene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
2-Nitroaniline	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
3-Nitroaniline	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
4-Nitroaniline	EPA 8270C	9B02052	50000	ND	59.9	2/2/2009	2/2/2009	
Nitrobenzene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
2-Nitrophenol	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
4-Nitrophenol	EPA 8270C	9B02052	50000	ND	59.9	2/2/2009	2/2/2009	
N-Nitroso-di-n-propylamine	EPA 8270C	9B02052	15000	ND	59.9	2/2/2009	2/2/2009	
N-Nitrosodiphenylamine	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Pentachlorophenol	EPA 8270C	9B02052	50000	ND	59.9	2/2/2009	2/2/2009	
Phenanthrene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Phenol	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Pyrene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
1,2,4-Trichlorobenzene	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
2,4,5-Trichlorophenol	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
2,4,6-Trichlorophenol	EPA 8270C	9B02052	20000	ND	59.9	2/2/2009	2/2/2009	
Surrogate: 2,4,6-Tribromophenol (35-125%)				116 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				54 %				Z3
Surrogate: 2-Fluorophenol (25-120%)				44 %				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				82 %				Z3
Surrogate: Phenol-d6 (35-120%)				48 %				Z3
Surrogate: Terphenyl-d14 (40-135%)				62 %				Z3

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Joseph Doak
Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-03 (L1-E - Solid)								RL2
Reporting Units: ug/kg								
Acenaphthene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Acenaphthylene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Aniline	EPA 8270C	9B02052	25000	ND	59.7	2/2/2009	2/2/2009	
Anthracene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Benzidine	EPA 8270C	9B02052	39000	ND	59.7	2/2/2009	2/2/2009	
Benzo(a)anthracene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Benzo(a)pyrene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Benzo(b)fluoranthene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Benzo(g,h,i)perylene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Benzo(k)fluoranthene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Benzoic acid	EPA 8270C	9B02052	50000	ND	59.7	2/2/2009	2/2/2009	
Benzyl alcohol	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
4-Bromophenyl phenyl ether	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Butyl benzyl phthalate	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
4-Chloro-3-methylphenol	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
4-Chloroaniline	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Bis(2-chloroethoxy)methane	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Bis(2-chloroethyl)ether	EPA 8270C	9B02052	10000	ND	59.7	2/2/2009	2/2/2009	
Bis(2-chloroisopropyl)ether	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
2-Chloronaphthalene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
2-Chlorophenol	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
4-Chlorophenyl phenyl ether	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Chrysene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Dibenz(a,h)anthracene	EPA 8270C	9B02052	25000	ND	59.7	2/2/2009	2/2/2009	
Dibenzofuran	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Di-n-butyl phthalate	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
1,2-Dichlorobenzene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
1,3-Dichlorobenzene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
1,4-Dichlorobenzene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
3,3'-Dichlorobenzidine	EPA 8270C	9B02052	50000	ND	59.7	2/2/2009	2/2/2009	
2,4-Dichlorophenol	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Diethyl phthalate	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
2,4-Dimethylphenol	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Dimethyl phthalate	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
4,6-Dinitro-2-methylphenol	EPA 8270C	9B02052	25000	ND	59.7	2/2/2009	2/2/2009	
2,4-Dinitrophenol	EPA 8270C	9B02052	39000	ND	59.7	2/2/2009	2/2/2009	
2,4-Dinitrotoluene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
2,6-Dinitrotoluene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Di-n-octyl phthalate	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Bis(2-ethylhexyl)phthalate	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-03 (L1-E - Solid) - cont.								RL2
Reporting Units: ug/kg								
Fluoranthene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Fluorene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Hexachlorobenzene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Hexachlorobutadiene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Hexachlorocyclopentadiene	EPA 8270C	9B02052	50000	ND	59.7	2/2/2009	2/2/2009	
Hexachloroethane	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Indeno(1,2,3-cd)pyrene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Isophorone	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
2-Methylnaphthalene	EPA 8270C	9B02052	20000	26000	59.7	2/2/2009	2/2/2009	
2-Methylphenol	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
4-Methylphenol	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Naphthalene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
2-Nitroaniline	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
3-Nitroaniline	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
4-Nitroaniline	EPA 8270C	9B02052	50000	ND	59.7	2/2/2009	2/2/2009	
Nitrobenzene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
2-Nitrophenol	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
4-Nitrophenol	EPA 8270C	9B02052	50000	ND	59.7	2/2/2009	2/2/2009	
N-Nitroso-di-n-propylamine	EPA 8270C	9B02052	15000	ND	59.7	2/2/2009	2/2/2009	
N-Nitrosodiphenylamine	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Pentachlorophenol	EPA 8270C	9B02052	50000	ND	59.7	2/2/2009	2/2/2009	
Phenanthrene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Phenol	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Pyrene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
1,2,4-Trichlorobenzene	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
2,4,5-Trichlorophenol	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
2,4,6-Trichlorophenol	EPA 8270C	9B02052	20000	ND	59.7	2/2/2009	2/2/2009	
Surrogate: 2,4,6-Tribromophenol (35-125%)				130 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				63 %				Z3
Surrogate: 2-Fluorophenol (25-120%)				47 %				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				78 %				Z3
Surrogate: Phenol-d6 (35-120%)				49 %				Z3
Surrogate: Terphenyl-d14 (40-135%)				64 %				Z3

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-04 (L1-W - Solid)								RL2
Reporting Units: ug/kg								
Acenaphthene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Acenaphthylene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Aniline	EPA 8270C	9B02052	31000	ND	74.6	2/2/2009	2/3/2009	
Anthracene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Benzidine	EPA 8270C	9B02052	49000	ND	74.6	2/2/2009	2/3/2009	
Benzo(a)anthracene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Benzo(a)pyrene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Benzo(b)fluoranthene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Benzo(g,h,i)perylene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Benzo(k)fluoranthene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Benzoic acid	EPA 8270C	9B02052	62000	ND	74.6	2/2/2009	2/3/2009	
Benzyl alcohol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4-Bromophenyl phenyl ether	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Butyl benzyl phthalate	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4-Chloro-3-methylphenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4-Chloroaniline	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Bis(2-chloroethoxy)methane	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Bis(2-chloroethyl)ether	EPA 8270C	9B02052	12000	ND	74.6	2/2/2009	2/3/2009	
Bis(2-chloroisopropyl)ether	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2-Chloronaphthalene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2-Chlorophenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4-Chlorophenyl phenyl ether	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Chrysene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Dibenz(a,h)anthracene	EPA 8270C	9B02052	31000	ND	74.6	2/2/2009	2/3/2009	
Dibenzofuran	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Di-n-butyl phthalate	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
1,2-Dichlorobenzene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
1,3-Dichlorobenzene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
1,4-Dichlorobenzene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
3,3'-Dichlorobenzidine	EPA 8270C	9B02052	62000	ND	74.6	2/2/2009	2/3/2009	
2,4-Dichlorophenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Diethyl phthalate	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2,4-Dimethylphenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Dimethyl phthalate	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4,6-Dinitro-2-methylphenol	EPA 8270C	9B02052	31000	ND	74.6	2/2/2009	2/3/2009	
2,4-Dinitrophenol	EPA 8270C	9B02052	49000	ND	74.6	2/2/2009	2/3/2009	
2,4-Dinitrotoluene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2,6-Dinitrotoluene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Di-n-octyl phthalate	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Bis(2-ethylhexyl)phthalate	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-04 (L1-W - Solid) - cont.								RL2
Reporting Units: ug/kg								
Fluoranthene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Fluorene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Hexachlorobenzene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Hexachlorobutadiene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Hexachlorocyclopentadiene	EPA 8270C	9B02052	62000	ND	74.6	2/2/2009	2/3/2009	
Hexachloroethane	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Indeno(1,2,3-cd)pyrene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Isophorone	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2-Methylnaphthalene	EPA 8270C	9B02052	25000	49000	74.6	2/2/2009	2/3/2009	
2-Methylphenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4-Methylphenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Naphthalene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2-Nitroaniline	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
3-Nitroaniline	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4-Nitroaniline	EPA 8270C	9B02052	62000	ND	74.6	2/2/2009	2/3/2009	
Nitrobenzene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2-Nitrophenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4-Nitrophenol	EPA 8270C	9B02052	62000	ND	74.6	2/2/2009	2/3/2009	
N-Nitroso-di-n-propylamine	EPA 8270C	9B02052	19000	ND	74.6	2/2/2009	2/3/2009	
N-Nitrosodiphenylamine	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Pentachlorophenol	EPA 8270C	9B02052	62000	ND	74.6	2/2/2009	2/3/2009	
Phenanthrene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Phenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Pyrene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
1,2,4-Trichlorobenzene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2,4,5-Trichlorophenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2,4,6-Trichlorophenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Surrogate: 2,4,6-Tribromophenol (35-125%)				133 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				64 %				Z3
Surrogate: 2-Fluorophenol (25-120%)				*				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				118 %				Z3
Surrogate: Phenol-d6 (35-120%)				*				Z3
Surrogate: Terphenyl-d14 (40-135%)				110 %				Z3

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Joseph Doak
Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-05 (L1-W-dup - Solid)								RL2
Reporting Units: ug/kg								
Acenaphthene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Acenaphthylene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Aniline	EPA 8270C	9B02052	31000	ND	74.9	2/2/2009	2/3/2009	
Anthracene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Benzidine	EPA 8270C	9B02052	49000	ND	74.9	2/2/2009	2/3/2009	
Benzo(a)anthracene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Benzo(a)pyrene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Benzo(b)fluoranthene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Benzo(g,h,i)perylene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Benzo(k)fluoranthene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Benzoic acid	EPA 8270C	9B02052	62000	ND	74.9	2/2/2009	2/3/2009	
Benzyl alcohol	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
4-Bromophenyl phenyl ether	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Butyl benzyl phthalate	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
4-Chloro-3-methylphenol	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
4-Chloroaniline	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Bis(2-chloroethoxy)methane	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Bis(2-chloroethyl)ether	EPA 8270C	9B02052	13000	ND	74.9	2/2/2009	2/3/2009	
Bis(2-chloroisopropyl)ether	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
2-Chloronaphthalene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
2-Chlorophenol	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
4-Chlorophenyl phenyl ether	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Chrysene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Dibenz(a,h)anthracene	EPA 8270C	9B02052	31000	ND	74.9	2/2/2009	2/3/2009	
Dibenzofuran	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Di-n-butyl phthalate	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
1,2-Dichlorobenzene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
1,3-Dichlorobenzene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
1,4-Dichlorobenzene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
3,3'-Dichlorobenzidine	EPA 8270C	9B02052	62000	ND	74.9	2/2/2009	2/3/2009	
2,4-Dichlorophenol	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Diethyl phthalate	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
2,4-Dimethylphenol	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Dimethyl phthalate	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
4,6-Dinitro-2-methylphenol	EPA 8270C	9B02052	31000	ND	74.9	2/2/2009	2/3/2009	
2,4-Dinitrophenol	EPA 8270C	9B02052	49000	ND	74.9	2/2/2009	2/3/2009	
2,4-Dinitrotoluene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
2,6-Dinitrotoluene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Di-n-octyl phthalate	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Bis(2-ethylhexyl)phthalate	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-05 (L1-W-dup - Solid) - cont.								RL2
Reporting Units: ug/kg								
Fluoranthene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Fluorene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Hexachlorobenzene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Hexachlorobutadiene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Hexachlorocyclopentadiene	EPA 8270C	9B02052	62000	ND	74.9	2/2/2009	2/3/2009	
Hexachloroethane	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Indeno(1,2,3-cd)pyrene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Isophorone	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
2-Methylnaphthalene	EPA 8270C	9B02052	25000	32000	74.9	2/2/2009	2/3/2009	
2-Methylphenol	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
4-Methylphenol	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Naphthalene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
2-Nitroaniline	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
3-Nitroaniline	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
4-Nitroaniline	EPA 8270C	9B02052	62000	ND	74.9	2/2/2009	2/3/2009	
Nitrobenzene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
2-Nitrophenol	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
4-Nitrophenol	EPA 8270C	9B02052	62000	ND	74.9	2/2/2009	2/3/2009	
N-Nitroso-di-n-propylamine	EPA 8270C	9B02052	19000	ND	74.9	2/2/2009	2/3/2009	
N-Nitrosodiphenylamine	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Pentachlorophenol	EPA 8270C	9B02052	62000	ND	74.9	2/2/2009	2/3/2009	
Phenanthrene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Phenol	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Pyrene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
1,2,4-Trichlorobenzene	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
2,4,5-Trichlorophenol	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
2,4,6-Trichlorophenol	EPA 8270C	9B02052	25000	ND	74.9	2/2/2009	2/3/2009	
Surrogate: 2,4,6-Tribromophenol (35-125%)				126 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				61 %				Z3
Surrogate: 2-Fluorophenol (25-120%)				*				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				75 %				Z3
Surrogate: Phenol-d6 (35-120%)				*				Z3
Surrogate: Terphenyl-d14 (40-135%)				113 %				Z3

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-06 (L2-N - Solid)								RL2
Reporting Units: ug/kg								
Acenaphthene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Acenaphthylene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Aniline	EPA 8270C	9B02052	13000	ND	30	2/2/2009	2/3/2009	
Anthracene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Benzidine	EPA 8270C	9B02052	20000	ND	30	2/2/2009	2/3/2009	
Benzo(a)anthracene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Benzo(a)pyrene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Benzo(b)fluoranthene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Benzo(g,h,i)perylene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Benzo(k)fluoranthene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Benzoic acid	EPA 8270C	9B02052	25000	ND	30	2/2/2009	2/3/2009	
Benzyl alcohol	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
4-Bromophenyl phenyl ether	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Butyl benzyl phthalate	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
4-Chloro-3-methylphenol	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
4-Chloroaniline	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Bis(2-chloroethoxy)methane	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Bis(2-chloroethyl)ether	EPA 8270C	9B02052	5000	ND	30	2/2/2009	2/3/2009	
Bis(2-chloroisopropyl)ether	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
2-Chloronaphthalene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
2-Chlorophenol	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
4-Chlorophenyl phenyl ether	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Chrysene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Dibenz(a,h)anthracene	EPA 8270C	9B02052	13000	ND	30	2/2/2009	2/3/2009	
Dibenzofuran	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Di-n-butyl phthalate	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
1,2-Dichlorobenzene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
1,3-Dichlorobenzene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
1,4-Dichlorobenzene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
3,3'-Dichlorobenzidine	EPA 8270C	9B02052	25000	ND	30	2/2/2009	2/3/2009	
2,4-Dichlorophenol	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Diethyl phthalate	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
2,4-Dimethylphenol	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Dimethyl phthalate	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
4,6-Dinitro-2-methylphenol	EPA 8270C	9B02052	13000	ND	30	2/2/2009	2/3/2009	
2,4-Dinitrophenol	EPA 8270C	9B02052	20000	ND	30	2/2/2009	2/3/2009	
2,4-Dinitrotoluene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
2,6-Dinitrotoluene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Di-n-octyl phthalate	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Bis(2-ethylhexyl)phthalate	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-06 (L2-N - Solid) - cont.								RL2
Reporting Units: ug/kg								
Fluoranthene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Fluorene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Hexachlorobenzene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Hexachlorobutadiene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Hexachlorocyclopentadiene	EPA 8270C	9B02052	25000	ND	30	2/2/2009	2/3/2009	
Hexachloroethane	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Indeno(1,2,3-cd)pyrene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Isophorone	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
2-Methylnaphthalene	EPA 8270C	9B02052	10000	25000	30	2/2/2009	2/3/2009	
2-Methylphenol	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
4-Methylphenol	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Naphthalene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
2-Nitroaniline	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
3-Nitroaniline	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
4-Nitroaniline	EPA 8270C	9B02052	25000	ND	30	2/2/2009	2/3/2009	
Nitrobenzene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
2-Nitrophenol	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
4-Nitrophenol	EPA 8270C	9B02052	25000	ND	30	2/2/2009	2/3/2009	
N-Nitroso-di-n-propylamine	EPA 8270C	9B02052	7500	ND	30	2/2/2009	2/3/2009	
N-Nitrosodiphenylamine	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Pentachlorophenol	EPA 8270C	9B02052	25000	ND	30	2/2/2009	2/3/2009	
Phenanthrene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Phenol	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Pyrene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
1,2,4-Trichlorobenzene	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
2,4,5-Trichlorophenol	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
2,4,6-Trichlorophenol	EPA 8270C	9B02052	10000	ND	30	2/2/2009	2/3/2009	
Surrogate: 2,4,6-Tribromophenol (35-125%)				91 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				69 %				Z3
Surrogate: 2-Fluorophenol (25-120%)				0.8 %				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				90 %				Z3
Surrogate: Phenol-d6 (35-120%)				*				Z3
Surrogate: Terphenyl-d14 (40-135%)				100 %				Z3

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-07 (L2-S - Solid)								
Reporting Units: ug/kg								
Acenaphthene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Acenaphthylene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Aniline	EPA 8270C	9B02052	16000	ND	37.3	2/2/2009	2/3/2009	
Anthracene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Benzidine	EPA 8270C	9B02052	25000	ND	37.3	2/2/2009	2/3/2009	
Benzo(a)anthracene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Benzo(a)pyrene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Benzo(b)fluoranthene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Benzo(g,h,i)perylene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Benzo(k)fluoranthene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Benzoic acid	EPA 8270C	9B02052	31000	ND	37.3	2/2/2009	2/3/2009	
Benzyl alcohol	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
4-Bromophenyl phenyl ether	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Butyl benzyl phthalate	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
4-Chloro-3-methylphenol	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
4-Chloroaniline	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Bis(2-chloroethoxy)methane	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Bis(2-chloroethyl)ether	EPA 8270C	9B02052	6200	ND	37.3	2/2/2009	2/3/2009	
Bis(2-chloroisopropyl)ether	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
2-Chloronaphthalene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
2-Chlorophenol	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
4-Chlorophenyl phenyl ether	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Chrysene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Dibenz(a,h)anthracene	EPA 8270C	9B02052	16000	ND	37.3	2/2/2009	2/3/2009	
Dibenzofuran	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Di-n-butyl phthalate	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
1,2-Dichlorobenzene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
1,3-Dichlorobenzene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
1,4-Dichlorobenzene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
3,3'-Dichlorobenzidine	EPA 8270C	9B02052	31000	ND	37.3	2/2/2009	2/3/2009	
2,4-Dichlorophenol	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Diethyl phthalate	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
2,4-Dimethylphenol	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Dimethyl phthalate	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
4,6-Dinitro-2-methylphenol	EPA 8270C	9B02052	16000	ND	37.3	2/2/2009	2/3/2009	
2,4-Dinitrophenol	EPA 8270C	9B02052	25000	ND	37.3	2/2/2009	2/3/2009	
2,4-Dinitrotoluene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
2,6-Dinitrotoluene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Di-n-octyl phthalate	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Bis(2-ethylhexyl)phthalate	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-07 (L2-S - Solid) - cont.								
Reporting Units: ug/kg								
Fluoranthene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Fluorene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Hexachlorobenzene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Hexachlorobutadiene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Hexachlorocyclopentadiene	EPA 8270C	9B02052	31000	ND	37.3	2/2/2009	2/3/2009	
Hexachloroethane	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Indeno(1,2,3-cd)pyrene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Isophorone	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
2-Methylnaphthalene	EPA 8270C	9B02052	12000	28000	37.3	2/2/2009	2/3/2009	
2-Methylphenol	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
4-Methylphenol	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Naphthalene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
2-Nitroaniline	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
3-Nitroaniline	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
4-Nitroaniline	EPA 8270C	9B02052	31000	ND	37.3	2/2/2009	2/3/2009	
Nitrobenzene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
2-Nitrophenol	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
4-Nitrophenol	EPA 8270C	9B02052	31000	ND	37.3	2/2/2009	2/3/2009	
N-Nitroso-di-n-propylamine	EPA 8270C	9B02052	9300	ND	37.3	2/2/2009	2/3/2009	
N-Nitrosodiphenylamine	EPA 8270C	9B02052	12000	100000	37.3	2/2/2009	2/3/2009	
Pentachlorophenol	EPA 8270C	9B02052	31000	ND	37.3	2/2/2009	2/3/2009	
Phenanthrene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Phenol	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Pyrene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
1,2,4-Trichlorobenzene	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
2,4,5-Trichlorophenol	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
2,4,6-Trichlorophenol	EPA 8270C	9B02052	12000	ND	37.3	2/2/2009	2/3/2009	
Surrogate: 2,4,6-Tribromophenol (35-125%)				102 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				72 %				Z3
Surrogate: 2-Fluorophenol (25-120%)				*				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				100 %				Z3
Surrogate: Phenol-d6 (35-120%)				*				Z3
Surrogate: Terphenyl-d14 (40-135%)				125 %				Z3

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-08 (L2-E - Solid)								RL2
Reporting Units: ug/kg								
Acenaphthene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Acenaphthylene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Aniline	EPA 8270C	9B02052	31000	ND	74.6	2/2/2009	2/3/2009	
Anthracene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Benzidine	EPA 8270C	9B02052	49000	ND	74.6	2/2/2009	2/3/2009	
Benzo(a)anthracene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Benzo(a)pyrene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Benzo(b)fluoranthene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Benzo(g,h,i)perylene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Benzo(k)fluoranthene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Benzoic acid	EPA 8270C	9B02052	62000	ND	74.6	2/2/2009	2/3/2009	
Benzyl alcohol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4-Bromophenyl phenyl ether	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Butyl benzyl phthalate	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4-Chloro-3-methylphenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4-Chloroaniline	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Bis(2-chloroethoxy)methane	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Bis(2-chloroethyl)ether	EPA 8270C	9B02052	12000	ND	74.6	2/2/2009	2/3/2009	
Bis(2-chloroisopropyl)ether	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2-Chloronaphthalene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2-Chlorophenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4-Chlorophenyl phenyl ether	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Chrysene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Dibenz(a,h)anthracene	EPA 8270C	9B02052	31000	ND	74.6	2/2/2009	2/3/2009	
Dibenzofuran	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Di-n-butyl phthalate	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
1,2-Dichlorobenzene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
1,3-Dichlorobenzene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
1,4-Dichlorobenzene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
3,3'-Dichlorobenzidine	EPA 8270C	9B02052	62000	ND	74.6	2/2/2009	2/3/2009	
2,4-Dichlorophenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Diethyl phthalate	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2,4-Dimethylphenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Dimethyl phthalate	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4,6-Dinitro-2-methylphenol	EPA 8270C	9B02052	31000	ND	74.6	2/2/2009	2/3/2009	
2,4-Dinitrophenol	EPA 8270C	9B02052	49000	ND	74.6	2/2/2009	2/3/2009	
2,4-Dinitrotoluene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2,6-Dinitrotoluene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Di-n-octyl phthalate	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Bis(2-ethylhexyl)phthalate	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-08 (L2-E - Solid) - cont.								RL2
Reporting Units: ug/kg								
Fluoranthene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Fluorene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Hexachlorobenzene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Hexachlorobutadiene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Hexachlorocyclopentadiene	EPA 8270C	9B02052	62000	ND	74.6	2/2/2009	2/3/2009	
Hexachloroethane	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Indeno(1,2,3-cd)pyrene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Isophorone	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2-Methylnaphthalene	EPA 8270C	9B02052	25000	41000	74.6	2/2/2009	2/3/2009	
2-Methylphenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4-Methylphenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Naphthalene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2-Nitroaniline	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
3-Nitroaniline	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4-Nitroaniline	EPA 8270C	9B02052	62000	ND	74.6	2/2/2009	2/3/2009	
Nitrobenzene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2-Nitrophenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
4-Nitrophenol	EPA 8270C	9B02052	62000	ND	74.6	2/2/2009	2/3/2009	
N-Nitroso-di-n-propylamine	EPA 8270C	9B02052	19000	ND	74.6	2/2/2009	2/3/2009	
N-Nitrosodiphenylamine	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Pentachlorophenol	EPA 8270C	9B02052	62000	ND	74.6	2/2/2009	2/3/2009	
Phenanthrene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Phenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Pyrene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
1,2,4-Trichlorobenzene	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2,4,5-Trichlorophenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
2,4,6-Trichlorophenol	EPA 8270C	9B02052	25000	ND	74.6	2/2/2009	2/3/2009	
Surrogate: 2,4,6-Tribromophenol (35-125%)				134 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				61 %				Z3
Surrogate: 2-Fluorophenol (25-120%)				12 %				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				86 %				Z3
Surrogate: Phenol-d6 (35-120%)				*				Z3
Surrogate: Terphenyl-d14 (40-135%)				114 %				Z3

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-09 (L2-W - Solid)								RL2
Reporting Units: ug/kg								
Acenaphthene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Acenaphthylene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Aniline	EPA 8270C	9B02052	16000	ND	37.5	2/2/2009	2/5/2009	
Anthracene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Benzidine	EPA 8270C	9B02052	25000	ND	37.5	2/2/2009	2/5/2009	
Benzo(a)anthracene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Benzo(a)pyrene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Benzo(b)fluoranthene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Benzo(g,h,i)perylene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Benzo(k)fluoranthene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Benzoic acid	EPA 8270C	9B02052	31000	ND	37.5	2/2/2009	2/5/2009	
Benzyl alcohol	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
4-Bromophenyl phenyl ether	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Butyl benzyl phthalate	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
4-Chloro-3-methylphenol	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
4-Chloroaniline	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Bis(2-chloroethoxy)methane	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Bis(2-chloroethyl)ether	EPA 8270C	9B02052	6300	ND	37.5	2/2/2009	2/5/2009	
Bis(2-chloroisopropyl)ether	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
2-Chloronaphthalene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
2-Chlorophenol	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
4-Chlorophenyl phenyl ether	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Chrysene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Dibenz(a,h)anthracene	EPA 8270C	9B02052	16000	ND	37.5	2/2/2009	2/5/2009	
Dibenzofuran	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Di-n-butyl phthalate	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
1,2-Dichlorobenzene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
1,3-Dichlorobenzene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
1,4-Dichlorobenzene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
3,3'-Dichlorobenzidine	EPA 8270C	9B02052	31000	ND	37.5	2/2/2009	2/5/2009	
2,4-Dichlorophenol	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Diethyl phthalate	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
2,4-Dimethylphenol	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Dimethyl phthalate	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
4,6-Dinitro-2-methylphenol	EPA 8270C	9B02052	16000	ND	37.5	2/2/2009	2/5/2009	
2,4-Dinitrophenol	EPA 8270C	9B02052	25000	ND	37.5	2/2/2009	2/5/2009	
2,4-Dinitrotoluene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
2,6-Dinitrotoluene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Di-n-octyl phthalate	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Bis(2-ethylhexyl)phthalate	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-09 (L2-W - Solid) - cont.								RL2
Reporting Units: ug/kg								
Fluoranthene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Fluorene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Hexachlorobenzene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Hexachlorobutadiene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Hexachlorocyclopentadiene	EPA 8270C	9B02052	31000	ND	37.5	2/2/2009	2/5/2009	
Hexachloroethane	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Indeno(1,2,3-cd)pyrene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Isophorone	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
2-Methylnaphthalene	EPA 8270C	9B02052	12000	43000	37.5	2/2/2009	2/5/2009	
2-Methylphenol	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
4-Methylphenol	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Naphthalene	EPA 8270C	9B02052	12000	14000	37.5	2/2/2009	2/5/2009	
2-Nitroaniline	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
3-Nitroaniline	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
4-Nitroaniline	EPA 8270C	9B02052	31000	ND	37.5	2/2/2009	2/5/2009	
Nitrobenzene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
2-Nitrophenol	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
4-Nitrophenol	EPA 8270C	9B02052	31000	ND	37.5	2/2/2009	2/5/2009	
N-Nitroso-di-n-propylamine	EPA 8270C	9B02052	9400	ND	37.5	2/2/2009	2/5/2009	
N-Nitrosodiphenylamine	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Pentachlorophenol	EPA 8270C	9B02052	31000	ND	37.5	2/2/2009	2/5/2009	
Phenanthrene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Phenol	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Pyrene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
1,2,4-Trichlorobenzene	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
2,4,5-Trichlorophenol	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
2,4,6-Trichlorophenol	EPA 8270C	9B02052	12000	ND	37.5	2/2/2009	2/5/2009	
Surrogate: 2,4,6-Tribromophenol (35-125%)				82 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				55 %				Z3
Surrogate: 2-Fluorophenol (25-120%)				39 %				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				89 %				Z3
Surrogate: Phenol-d6 (35-120%)				*				Z3
Surrogate: Terphenyl-d14 (40-135%)				80 %				Z3

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Joseph Doak
Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-10 (L2-W-dup - Solid)								RL2
Reporting Units: ug/kg								
Acenaphthene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Acenaphthylene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Aniline	EPA 8270C	9B03050	50000	ND	119	2/3/2009	2/5/2009	
Anthracene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Benzidine	EPA 8270C	9B03050	79000	ND	119	2/3/2009	2/5/2009	
Benzo(a)anthracene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Benzo(a)pyrene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Benzo(b)fluoranthene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Benzo(g,h,i)perylene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Benzo(k)fluoranthene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Benzoic acid	EPA 8270C	9B03050	99000	ND	119	2/3/2009	2/5/2009	
Benzyl alcohol	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
4-Bromophenyl phenyl ether	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Butyl benzyl phthalate	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
4-Chloro-3-methylphenol	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
4-Chloroaniline	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Bis(2-chloroethoxy)methane	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Bis(2-chloroethyl)ether	EPA 8270C	9B03050	20000	ND	119	2/3/2009	2/5/2009	
Bis(2-chloroisopropyl)ether	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
2-Chloronaphthalene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
2-Chlorophenol	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
4-Chlorophenyl phenyl ether	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Chrysene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Dibenz(a,h)anthracene	EPA 8270C	9B03050	50000	ND	119	2/3/2009	2/5/2009	
Dibenzofuran	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Di-n-butyl phthalate	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
1,2-Dichlorobenzene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
1,3-Dichlorobenzene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
1,4-Dichlorobenzene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
3,3'-Dichlorobenzidine	EPA 8270C	9B03050	99000	ND	119	2/3/2009	2/5/2009	
2,4-Dichlorophenol	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Diethyl phthalate	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
2,4-Dimethylphenol	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Dimethyl phthalate	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
4,6-Dinitro-2-methylphenol	EPA 8270C	9B03050	50000	ND	119	2/3/2009	2/5/2009	
2,4-Dinitrophenol	EPA 8270C	9B03050	79000	ND	119	2/3/2009	2/5/2009	
2,4-Dinitrotoluene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
2,6-Dinitrotoluene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Di-n-octyl phthalate	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Bis(2-ethylhexyl)phthalate	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	

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Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-10 (L2-W-dup - Solid) - cont.								RL2
Reporting Units: ug/kg								
Fluoranthene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Fluorene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Hexachlorobenzene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Hexachlorobutadiene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Hexachlorocyclopentadiene	EPA 8270C	9B03050	99000	ND	119	2/3/2009	2/5/2009	
Hexachloroethane	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Indeno(1,2,3-cd)pyrene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Isophorone	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
2-Methylnaphthalene	EPA 8270C	9B03050	40000	93000	119	2/3/2009	2/5/2009	
2-Methylphenol	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
4-Methylphenol	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Naphthalene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
2-Nitroaniline	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
3-Nitroaniline	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
4-Nitroaniline	EPA 8270C	9B03050	99000	ND	119	2/3/2009	2/5/2009	
Nitrobenzene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
2-Nitrophenol	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
4-Nitrophenol	EPA 8270C	9B03050	99000	ND	119	2/3/2009	2/5/2009	
N-Nitroso-di-n-propylamine	EPA 8270C	9B03050	30000	ND	119	2/3/2009	2/5/2009	
N-Nitrosodiphenylamine	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Pentachlorophenol	EPA 8270C	9B03050	99000	ND	119	2/3/2009	2/5/2009	
Phenanthrene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Phenol	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Pyrene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
1,2,4-Trichlorobenzene	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
2,4,5-Trichlorophenol	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
2,4,6-Trichlorophenol	EPA 8270C	9B03050	40000	ND	119	2/3/2009	2/5/2009	
Surrogate: 2,4,6-Tribromophenol (35-125%)				124 %				Z3
Surrogate: 2-Fluorobiphenyl (35-120%)				73 %				Z3
Surrogate: 2-Fluorophenol (25-120%)				54 %				Z3
Surrogate: Nitrobenzene-d5 (30-120%)				93 %				Z3
Surrogate: Phenol-d6 (35-120%)				*				Z3
Surrogate: Terphenyl-d14 (40-135%)				106 %				Z3

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Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-01 (L1-N - Solid)								RL1
Reporting Units: ug/kg								
4,4'-DDD	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	C-1
4,4'-DDE	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	C-1
4,4'-DDT	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	C-2
Aldrin	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	
alpha-BHC	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	
beta-BHC	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	
delta-BHC	EPA 3545/8081A	9A30115	600	ND	59.5	1/30/2009	2/5/2009	
Dieldrin	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	
Endosulfan I	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	
Endosulfan II	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	
Endosulfan sulfate	EPA 3545/8081A	9A30115	600	ND	59.5	1/30/2009	2/5/2009	
Endrin	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	
Endrin aldehyde	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	
Endrin ketone	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	C-2
gamma-BHC (Lindane)	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	
Heptachlor	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	
Heptachlor epoxide	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	
Methoxychlor	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	C-2
Chlordane	EPA 3545/8081A	9A30115	3000	ND	59.5	1/30/2009	2/5/2009	
Toxaphene	EPA 3545/8081A	9A30115	12000	ND	59.5	1/30/2009	2/5/2009	
Surrogate: Decachlorobiphenyl (45-120%)				58 %				Z3
Surrogate: Tetrachloro-m-xylene (35-115%)				268 %				Z3

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ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-02 (L1-S - Solid)								RL1
Reporting Units: ug/kg								
4,4'-DDD	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	C-1
4,4'-DDE	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	C-1
4,4'-DDT	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	C-2
Aldrin	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	
alpha-BHC	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	
beta-BHC	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	
delta-BHC	EPA 3545/8081A	9A30115	300	ND	29.8	1/30/2009	2/5/2009	
Dieldrin	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	
Endosulfan I	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	
Endosulfan II	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	
Endosulfan sulfate	EPA 3545/8081A	9A30115	300	ND	29.8	1/30/2009	2/5/2009	
Endrin	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	
Endrin aldehyde	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	
Endrin ketone	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	C-2
gamma-BHC (Lindane)	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	
Heptachlor	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	
Heptachlor epoxide	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	
Methoxychlor	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	C-2
Chlordane	EPA 3545/8081A	9A30115	1500	ND	29.8	1/30/2009	2/5/2009	
Toxaphene	EPA 3545/8081A	9A30115	6000	ND	29.8	1/30/2009	2/5/2009	
Surrogate: Decachlorobiphenyl (45-120%)				38 %				Z3
Surrogate: Tetrachloro-m-xylene (35-115%)				72 %				Z3

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ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-03 (L1-E - Solid)								RL1
Reporting Units: ug/kg								
4,4'-DDD	EPA 3545/8081A	9A30115	150	ND	30	1/30/2009	2/5/2009	C-1
4,4'-DDE	EPA 3545/8081A	9A30115	150	ND	30	1/30/2009	2/5/2009	C-1
4,4'-DDT	EPA 3545/8081A	9A30115	150	ND	30	1/30/2009	2/5/2009	C-2
Aldrin	EPA 3545/8081A	9A30115	150	ND	30	1/30/2009	2/5/2009	
alpha-BHC	EPA 3545/8081A	9A30115	150	ND	30	1/30/2009	2/5/2009	
beta-BHC	EPA 3545/8081A	9A30115	150	ND	30	1/30/2009	2/5/2009	
delta-BHC	EPA 3545/8081A	9A30115	300	ND	30	1/30/2009	2/5/2009	
Dieldrin	EPA 3545/8081A	9A30115	150	ND	30	1/30/2009	2/5/2009	
Endosulfan I	EPA 3545/8081A	9A30115	150	ND	30	1/30/2009	2/5/2009	
Endosulfan II	EPA 3545/8081A	9A30115	150	ND	30	1/30/2009	2/5/2009	
Endosulfan sulfate	EPA 3545/8081A	9A30115	300	ND	30	1/30/2009	2/5/2009	
Endrin	EPA 3545/8081A	9A30115	150	ND	30	1/30/2009	2/5/2009	
Endrin aldehyde	EPA 3545/8081A	9A30115	150	ND	30	1/30/2009	2/5/2009	
Endrin ketone	EPA 3545/8081A	9A30115	150	ND	30	1/30/2009	2/5/2009	C-2
gamma-BHC (Lindane)	EPA 3545/8081A	9A30115	150	ND	30	1/30/2009	2/5/2009	
Heptachlor	EPA 3545/8081A	9A30115	150	ND	30	1/30/2009	2/5/2009	
Heptachlor epoxide	EPA 3545/8081A	9A30115	150	ND	30	1/30/2009	2/5/2009	
Methoxychlor	EPA 3545/8081A	9A30115	150	ND	30	1/30/2009	2/5/2009	C-2
Chlordane	EPA 3545/8081A	9A30115	1500	ND	30	1/30/2009	2/5/2009	
Toxaphene	EPA 3545/8081A	9A30115	6000	ND	30	1/30/2009	2/5/2009	
Surrogate: Decachlorobiphenyl (45-120%)				48 %				Z3
Surrogate: Tetrachloro-m-xylene (35-115%)				119 %				Z3

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Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-04 (L1-W - Solid)								RL1
Reporting Units: ug/kg								
4,4'-DDD	EPA 3545/8081A	9A30115	190	ND	37.4	1/30/2009	2/5/2009	C-1
4,4'-DDE	EPA 3545/8081A	9A30115	190	ND	37.4	1/30/2009	2/5/2009	C-1
4,4'-DDT	EPA 3545/8081A	9A30115	190	ND	37.4	1/30/2009	2/5/2009	C-2
Aldrin	EPA 3545/8081A	9A30115	190	ND	37.4	1/30/2009	2/5/2009	
alpha-BHC	EPA 3545/8081A	9A30115	190	ND	37.4	1/30/2009	2/5/2009	
beta-BHC	EPA 3545/8081A	9A30115	190	ND	37.4	1/30/2009	2/5/2009	
delta-BHC	EPA 3545/8081A	9A30115	370	ND	37.4	1/30/2009	2/5/2009	
Dieldrin	EPA 3545/8081A	9A30115	190	ND	37.4	1/30/2009	2/5/2009	
Endosulfan I	EPA 3545/8081A	9A30115	190	ND	37.4	1/30/2009	2/5/2009	
Endosulfan II	EPA 3545/8081A	9A30115	190	ND	37.4	1/30/2009	2/5/2009	
Endosulfan sulfate	EPA 3545/8081A	9A30115	370	ND	37.4	1/30/2009	2/5/2009	
Endrin	EPA 3545/8081A	9A30115	190	ND	37.4	1/30/2009	2/5/2009	
Endrin aldehyde	EPA 3545/8081A	9A30115	190	ND	37.4	1/30/2009	2/5/2009	
Endrin ketone	EPA 3545/8081A	9A30115	190	ND	37.4	1/30/2009	2/5/2009	C-2
gamma-BHC (Lindane)	EPA 3545/8081A	9A30115	190	ND	37.4	1/30/2009	2/5/2009	
Heptachlor	EPA 3545/8081A	9A30115	190	ND	37.4	1/30/2009	2/5/2009	
Heptachlor epoxide	EPA 3545/8081A	9A30115	190	ND	37.4	1/30/2009	2/5/2009	
Methoxychlor	EPA 3545/8081A	9A30115	190	ND	37.4	1/30/2009	2/5/2009	C-2
Chlordane	EPA 3545/8081A	9A30115	1900	ND	37.4	1/30/2009	2/5/2009	
Toxaphene	EPA 3545/8081A	9A30115	7500	ND	37.4	1/30/2009	2/5/2009	
Surrogate: Decachlorobiphenyl (45-120%)				136 %				Z3
Surrogate: Tetrachloro-m-xylene (35-115%)				93 %				Z3

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Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-05 (L1-W-dup - Solid)								RL1
Reporting Units: ug/kg								
4,4'-DDD	EPA 3545/8081A	9A30115	190	ND	37.5	1/30/2009	2/5/2009	C-1
4,4'-DDE	EPA 3545/8081A	9A30115	190	ND	37.5	1/30/2009	2/5/2009	C-1
4,4'-DDT	EPA 3545/8081A	9A30115	190	ND	37.5	1/30/2009	2/5/2009	C-2
Aldrin	EPA 3545/8081A	9A30115	190	ND	37.5	1/30/2009	2/5/2009	
alpha-BHC	EPA 3545/8081A	9A30115	190	ND	37.5	1/30/2009	2/5/2009	
beta-BHC	EPA 3545/8081A	9A30115	190	ND	37.5	1/30/2009	2/5/2009	
delta-BHC	EPA 3545/8081A	9A30115	380	ND	37.5	1/30/2009	2/5/2009	
Dieldrin	EPA 3545/8081A	9A30115	190	ND	37.5	1/30/2009	2/5/2009	
Endosulfan I	EPA 3545/8081A	9A30115	190	ND	37.5	1/30/2009	2/5/2009	
Endosulfan II	EPA 3545/8081A	9A30115	190	ND	37.5	1/30/2009	2/5/2009	
Endosulfan sulfate	EPA 3545/8081A	9A30115	380	ND	37.5	1/30/2009	2/5/2009	
Endrin	EPA 3545/8081A	9A30115	190	ND	37.5	1/30/2009	2/5/2009	
Endrin aldehyde	EPA 3545/8081A	9A30115	190	ND	37.5	1/30/2009	2/5/2009	
Endrin ketone	EPA 3545/8081A	9A30115	190	ND	37.5	1/30/2009	2/5/2009	C-2
gamma-BHC (Lindane)	EPA 3545/8081A	9A30115	190	ND	37.5	1/30/2009	2/5/2009	
Heptachlor	EPA 3545/8081A	9A30115	190	ND	37.5	1/30/2009	2/5/2009	
Heptachlor epoxide	EPA 3545/8081A	9A30115	190	ND	37.5	1/30/2009	2/5/2009	
Methoxychlor	EPA 3545/8081A	9A30115	190	ND	37.5	1/30/2009	2/5/2009	C-2
Chlordane	EPA 3545/8081A	9A30115	1900	ND	37.5	1/30/2009	2/5/2009	
Toxaphene	EPA 3545/8081A	9A30115	7500	ND	37.5	1/30/2009	2/5/2009	
Surrogate: Decachlorobiphenyl (45-120%)				152 %				Z3
Surrogate: Tetrachloro-m-xylene (35-115%)				106 %				Z3

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Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-06 (L2-N - Solid)								RL1
Reporting Units: ug/kg								
4,4'-DDD	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	C-1
4,4'-DDE	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	C-1
4,4'-DDT	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	C-2
Aldrin	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	
alpha-BHC	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	
beta-BHC	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	
delta-BHC	EPA 3545/8081A	9A30115	300	ND	29.8	1/30/2009	2/5/2009	
Dieldrin	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	
Endosulfan I	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	
Endosulfan II	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	
Endosulfan sulfate	EPA 3545/8081A	9A30115	300	ND	29.8	1/30/2009	2/5/2009	
Endrin	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	
Endrin aldehyde	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	
Endrin ketone	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	C-2
gamma-BHC (Lindane)	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	
Heptachlor	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	
Heptachlor epoxide	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	
Methoxychlor	EPA 3545/8081A	9A30115	150	ND	29.8	1/30/2009	2/5/2009	C-2
Chlordane	EPA 3545/8081A	9A30115	1500	ND	29.8	1/30/2009	2/5/2009	
Toxaphene	EPA 3545/8081A	9A30115	6000	ND	29.8	1/30/2009	2/5/2009	
Surrogate: Decachlorobiphenyl (45-120%)				39 %				Z3
Surrogate: Tetrachloro-m-xylene (35-115%)				89 %				Z3

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ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-07 (L2-S - Solid)								RL1
Reporting Units: ug/kg								
4,4'-DDD	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	C-1
4,4'-DDE	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	C-1
4,4'-DDT	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	C-2
Aldrin	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	
alpha-BHC	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	
beta-BHC	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	
delta-BHC	EPA 3545/8081A	9A30115	600	ND	59.6	1/30/2009	2/5/2009	
Dieldrin	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	
Endosulfan I	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	
Endosulfan II	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	
Endosulfan sulfate	EPA 3545/8081A	9A30115	600	ND	59.6	1/30/2009	2/5/2009	
Endrin	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	
Endrin aldehyde	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	
Endrin ketone	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	C-2
gamma-BHC (Lindane)	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	
Heptachlor	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	
Heptachlor epoxide	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	
Methoxychlor	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	C-2
Chlordane	EPA 3545/8081A	9A30115	3000	ND	59.6	1/30/2009	2/5/2009	
Toxaphene	EPA 3545/8081A	9A30115	12000	ND	59.6	1/30/2009	2/5/2009	
Surrogate: Decachlorobiphenyl (45-120%)				88 %				Z3
Surrogate: Tetrachloro-m-xylene (35-115%)				186 %				Z3

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Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-08 (L2-E - Solid)								RL1
Reporting Units: ug/kg								
4,4'-DDD	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	C-1
4,4'-DDE	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	C-1
4,4'-DDT	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	C-2
Aldrin	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	
alpha-BHC	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	
beta-BHC	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	
delta-BHC	EPA 3545/8081A	9A30115	600	ND	59.6	1/30/2009	2/5/2009	
Dieldrin	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	
Endosulfan I	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	
Endosulfan II	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	
Endosulfan sulfate	EPA 3545/8081A	9A30115	600	ND	59.6	1/30/2009	2/5/2009	
Endrin	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	
Endrin aldehyde	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	
Endrin ketone	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	C-2
gamma-BHC (Lindane)	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	
Heptachlor	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	
Heptachlor epoxide	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	
Methoxychlor	EPA 3545/8081A	9A30115	300	ND	59.6	1/30/2009	2/5/2009	C-2
Chlordane	EPA 3545/8081A	9A30115	3000	ND	59.6	1/30/2009	2/5/2009	
Toxaphene	EPA 3545/8081A	9A30115	12000	ND	59.6	1/30/2009	2/5/2009	
Surrogate: Decachlorobiphenyl (45-120%)				59 %				Z3
Surrogate: Tetrachloro-m-xylene (35-115%)				166 %				Z3

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ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-09 (L2-W - Solid)								RL1
Reporting Units: ug/kg								
4,4'-DDD	EPA 3545/8081A	9A30115	300	ND	60	1/30/2009	2/5/2009	C-1
4,4'-DDE	EPA 3545/8081A	9A30115	300	ND	60	1/30/2009	2/5/2009	C-1
4,4'-DDT	EPA 3545/8081A	9A30115	300	ND	60	1/30/2009	2/5/2009	C-2
Aldrin	EPA 3545/8081A	9A30115	300	ND	60	1/30/2009	2/5/2009	
alpha-BHC	EPA 3545/8081A	9A30115	300	ND	60	1/30/2009	2/5/2009	
beta-BHC	EPA 3545/8081A	9A30115	300	ND	60	1/30/2009	2/5/2009	
delta-BHC	EPA 3545/8081A	9A30115	600	ND	60	1/30/2009	2/5/2009	
Dieldrin	EPA 3545/8081A	9A30115	300	ND	60	1/30/2009	2/5/2009	
Endosulfan I	EPA 3545/8081A	9A30115	300	ND	60	1/30/2009	2/5/2009	
Endosulfan II	EPA 3545/8081A	9A30115	300	ND	60	1/30/2009	2/5/2009	
Endosulfan sulfate	EPA 3545/8081A	9A30115	600	ND	60	1/30/2009	2/5/2009	
Endrin	EPA 3545/8081A	9A30115	300	ND	60	1/30/2009	2/5/2009	
Endrin aldehyde	EPA 3545/8081A	9A30115	300	ND	60	1/30/2009	2/5/2009	
Endrin ketone	EPA 3545/8081A	9A30115	300	ND	60	1/30/2009	2/5/2009	C-2
gamma-BHC (Lindane)	EPA 3545/8081A	9A30115	300	ND	60	1/30/2009	2/5/2009	
Heptachlor	EPA 3545/8081A	9A30115	300	ND	60	1/30/2009	2/5/2009	
Heptachlor epoxide	EPA 3545/8081A	9A30115	300	ND	60	1/30/2009	2/5/2009	
Methoxychlor	EPA 3545/8081A	9A30115	300	ND	60	1/30/2009	2/5/2009	C-2
Chlordane	EPA 3545/8081A	9A30115	3000	ND	60	1/30/2009	2/5/2009	
Toxaphene	EPA 3545/8081A	9A30115	12000	ND	60	1/30/2009	2/5/2009	
Surrogate: Decachlorobiphenyl (45-120%)				63 %				Z3
Surrogate: Tetrachloro-m-xylene (35-115%)				274 %				Z3

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ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-10 (L2-W-dup - Solid)								RL1
Reporting Units: ug/kg								
4,4'-DDD	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	C-1
4,4'-DDE	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	C-1
4,4'-DDT	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	C-2
Aldrin	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	
alpha-BHC	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	
beta-BHC	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	
delta-BHC	EPA 3545/8081A	9A30115	600	ND	59.5	1/30/2009	2/5/2009	
Dieldrin	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	
Endosulfan I	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	
Endosulfan II	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	
Endosulfan sulfate	EPA 3545/8081A	9A30115	600	ND	59.5	1/30/2009	2/5/2009	
Endrin	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	
Endrin aldehyde	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	
Endrin ketone	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	C-2
gamma-BHC (Lindane)	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	
Heptachlor	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	
Heptachlor epoxide	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	
Methoxychlor	EPA 3545/8081A	9A30115	300	ND	59.5	1/30/2009	2/5/2009	C-2
Chlordane	EPA 3545/8081A	9A30115	3000	ND	59.5	1/30/2009	2/5/2009	
Toxaphene	EPA 3545/8081A	9A30115	12000	ND	59.5	1/30/2009	2/5/2009	
Surrogate: Decachlorobiphenyl (45-120%)				76 %				Z3
Surrogate: Tetrachloro-m-xylene (35-115%)				247 %				Z3

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ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
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POLYCHLORINATED BIPHENYLS (EPA 3545/8082)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-01 (L1-N - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 8082	9B06059	140	ND	2.78	2/4/2009	2/7/2009	
Aroclor 1221	EPA 8082	9B06059	140	ND	2.78	2/4/2009	2/7/2009	
Aroclor 1232	EPA 8082	9B06059	140	ND	2.78	2/4/2009	2/7/2009	
Aroclor 1242	EPA 8082	9B06059	140	1000	2.78	2/4/2009	2/7/2009	A-01b
Aroclor 1248	EPA 8082	9B06059	140	ND	2.78	2/4/2009	2/7/2009	
Aroclor 1254	EPA 8082	9B06059	140	360	2.78	2/4/2009	2/7/2009	A-01b
Aroclor 1260	EPA 8082	9B06059	140	ND	2.78	2/4/2009	2/7/2009	
Surrogate: Decachlorobiphenyl (45-120%)				74 %				
Sample ID: ISA2736-02 (L1-S - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 8082	9B06059	130	ND	2.59	2/4/2009	2/7/2009	
Aroclor 1221	EPA 8082	9B06059	130	ND	2.59	2/4/2009	2/7/2009	
Aroclor 1232	EPA 8082	9B06059	130	ND	2.59	2/4/2009	2/7/2009	
Aroclor 1242	EPA 8082	9B06059	130	780	2.59	2/4/2009	2/7/2009	A-01c
Aroclor 1248	EPA 8082	9B06059	130	ND	2.59	2/4/2009	2/7/2009	
Aroclor 1254	EPA 8082	9B06059	130	410	2.59	2/4/2009	2/7/2009	A-01c
Aroclor 1260	EPA 8082	9B06059	130	200	2.59	2/4/2009	2/7/2009	A-01c
Surrogate: Decachlorobiphenyl (45-120%)				72 %				
Sample ID: ISA2736-03 (L1-E - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 8082	9B06059	150	ND	2.99	2/4/2009	2/7/2009	
Aroclor 1221	EPA 8082	9B06059	150	ND	2.99	2/4/2009	2/7/2009	
Aroclor 1232	EPA 8082	9B06059	150	ND	2.99	2/4/2009	2/7/2009	
Aroclor 1242	EPA 8082	9B06059	150	ND	2.99	2/4/2009	2/7/2009	
Aroclor 1248	EPA 8082	9B06059	150	ND	2.99	2/4/2009	2/7/2009	
Aroclor 1254	EPA 8082	9B06059	150	ND	2.99	2/4/2009	2/7/2009	
Aroclor 1260	EPA 8082	9B06059	150	ND	2.99	2/4/2009	2/7/2009	
Surrogate: Decachlorobiphenyl (45-120%)				56 %				

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POLYCHLORINATED BIPHENYLS (EPA 3545/8082)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-04 (L1-W - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 8082	9B06059	150	ND	2.97	2/4/2009	2/7/2009	
Aroclor 1221	EPA 8082	9B06059	150	ND	2.97	2/4/2009	2/7/2009	
Aroclor 1232	EPA 8082	9B06059	150	ND	2.97	2/4/2009	2/7/2009	
Aroclor 1242	EPA 8082	9B06059	150	680	2.97	2/4/2009	2/7/2009	A-01e
Aroclor 1248	EPA 8082	9B06059	150	ND	2.97	2/4/2009	2/7/2009	
Aroclor 1254	EPA 8082	9B06059	150	790	2.97	2/4/2009	2/7/2009	A-01c
Aroclor 1260	EPA 8082	9B06059	150	430	2.97	2/4/2009	2/7/2009	A-01c
Surrogate: Decachlorobiphenyl (45-120%)				72 %				
Sample ID: ISA2736-05 (L1-W-dup - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 8082	9B06059	290	ND	5.79	2/4/2009	2/7/2009	
Aroclor 1221	EPA 8082	9B06059	290	ND	5.79	2/4/2009	2/7/2009	
Aroclor 1232	EPA 8082	9B06059	290	ND	5.79	2/4/2009	2/7/2009	
Aroclor 1242	EPA 8082	9B06059	290	1300	5.79	2/4/2009	2/7/2009	A-01e
Aroclor 1248	EPA 8082	9B06059	290	ND	5.79	2/4/2009	2/7/2009	
Aroclor 1254	EPA 8082	9B06059	290	1600	5.79	2/4/2009	2/7/2009	A-01c
Aroclor 1260	EPA 8082	9B06059	290	840	5.79	2/4/2009	2/7/2009	A-01c
Surrogate: Decachlorobiphenyl (45-120%)				68 %				
Sample ID: ISA2736-06 (L2-N - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 8082	9B06059	140	ND	2.88	2/4/2009	2/7/2009	
Aroclor 1221	EPA 8082	9B06059	140	ND	2.88	2/4/2009	2/7/2009	
Aroclor 1232	EPA 8082	9B06059	140	ND	2.88	2/4/2009	2/7/2009	
Aroclor 1242	EPA 8082	9B06059	140	350	2.88	2/4/2009	2/7/2009	A-01a
Aroclor 1248	EPA 8082	9B06059	140	ND	2.88	2/4/2009	2/7/2009	
Aroclor 1254	EPA 8082	9B06059	140	280	2.88	2/4/2009	2/7/2009	A-01a
Aroclor 1260	EPA 8082	9B06059	140	ND	2.88	2/4/2009	2/7/2009	
Surrogate: Decachlorobiphenyl (45-120%)				74 %				

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

POLYCHLORINATED BIPHENYLS (EPA 3545/8082)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-07 (L2-S - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 8082	9B06059	150	ND	2.91	2/4/2009	2/6/2009	A-01
Aroclor 1221	EPA 8082	9B06059	150	ND	2.91	2/4/2009	2/6/2009	
Aroclor 1232	EPA 8082	9B06059	150	ND	2.91	2/4/2009	2/6/2009	
Aroclor 1242	EPA 8082	9B06059	150	680	2.91	2/4/2009	2/6/2009	
Aroclor 1248	EPA 8082	9B06059	150	ND	2.91	2/4/2009	2/6/2009	
Aroclor 1254	EPA 8082	9B06059	150	ND	2.91	2/4/2009	2/6/2009	A-01
Aroclor 1260	EPA 8082	9B06059	150	980	2.91	2/4/2009	2/6/2009	
Surrogate: Decachlorobiphenyl (45-120%)				67 %				
Sample ID: ISA2736-08 (L2-E - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 8082	9B06059	150	ND	2.96	2/4/2009	2/6/2009	A-01a
Aroclor 1221	EPA 8082	9B06059	150	ND	2.96	2/4/2009	2/6/2009	
Aroclor 1232	EPA 8082	9B06059	150	ND	2.96	2/4/2009	2/6/2009	
Aroclor 1242	EPA 8082	9B06059	150	430	2.96	2/4/2009	2/6/2009	
Aroclor 1248	EPA 8082	9B06059	150	ND	2.96	2/4/2009	2/6/2009	
Aroclor 1254	EPA 8082	9B06059	150	190	2.96	2/4/2009	2/6/2009	A-01a
Aroclor 1260	EPA 8082	9B06059	150	ND	2.96	2/4/2009	2/6/2009	
Surrogate: Decachlorobiphenyl (45-120%)				71 %				
Sample ID: ISA2736-09 (L2-W - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 8082	9B06059	150	ND	2.99	2/4/2009	2/6/2009	A-01c
Aroclor 1221	EPA 8082	9B06059	150	ND	2.99	2/4/2009	2/6/2009	
Aroclor 1232	EPA 8082	9B06059	150	ND	2.99	2/4/2009	2/6/2009	
Aroclor 1242	EPA 8082	9B06059	150	700	2.99	2/4/2009	2/6/2009	
Aroclor 1248	EPA 8082	9B06059	150	ND	2.99	2/4/2009	2/6/2009	
Aroclor 1254	EPA 8082	9B06059	150	360	2.99	2/4/2009	2/6/2009	A-01c
Aroclor 1260	EPA 8082	9B06059	150	150	2.99	2/4/2009	2/6/2009	A-01d
Surrogate: Decachlorobiphenyl (45-120%)				80 %				

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Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

POLYCHLORINATED BIPHENYLS (EPA 3545/8082)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-10 (L2-W-dup - Solid)								
Reporting Units: ug/kg								
Aroclor 1016	EPA 8082	9B06059	150	ND	2.99	2/4/2009	2/6/2009	
Aroclor 1221	EPA 8082	9B06059	150	ND	2.99	2/4/2009	2/6/2009	
Aroclor 1232	EPA 8082	9B06059	150	ND	2.99	2/4/2009	2/6/2009	
Aroclor 1242	EPA 8082	9B06059	150	620	2.99	2/4/2009	2/6/2009	A-01a
Aroclor 1248	EPA 8082	9B06059	150	ND	2.99	2/4/2009	2/6/2009	
Aroclor 1254	EPA 8082	9B06059	150	270	2.99	2/4/2009	2/6/2009	A-01a
Aroclor 1260	EPA 8082	9B06059	150	ND	2.99	2/4/2009	2/6/2009	
<i>Surrogate: Decachlorobiphenyl (45-120%)</i>				68 %				

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Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-01 (L1-N - Solid)								
Reporting Units: mg/kg								
Mercury	EPA 7471A	9A30128	0.10	2.5	5	1/30/2009	1/30/2009	
Antimony	EPA 6010B	9B04124	100	ND	10	2/4/2009	2/5/2009	RL1
Arsenic	EPA 6010B	9B04124	20	45	10	2/4/2009	2/5/2009	
Barium	EPA 6010B	9B04124	10	640	10	2/4/2009	2/5/2009	
Beryllium	EPA 6010B	9B04124	5.0	ND	10	2/4/2009	2/5/2009	RL1
Cadmium	EPA 6010B	9B04124	5.0	21	10	2/4/2009	2/5/2009	
Chromium	EPA 6010B	9B04124	10	220	10	2/4/2009	2/5/2009	
Cobalt	EPA 6010B	9B04124	10	ND	10	2/4/2009	2/5/2009	RL1
Copper	EPA 6010B	9B04124	20	58	10	2/4/2009	2/5/2009	
Lead	EPA 6010B	9B04124	20	1400	10	2/4/2009	2/5/2009	
Molybdenum	EPA 6010B	9B04124	20	ND	10	2/4/2009	2/5/2009	RL1
Nickel	EPA 6010B	9B04124	20	32	10	2/4/2009	2/5/2009	
Selenium	EPA 6010B	9B04124	20	ND	10	2/4/2009	2/5/2009	RL1
Silver	EPA 6010B	9B04124	10	ND	10	2/4/2009	2/5/2009	RL1
Thallium	EPA 6010B	9B04124	100	ND	10	2/4/2009	2/5/2009	RL1
Vanadium	EPA 6010B	9B04124	10	23	10	2/4/2009	2/5/2009	
Zinc	EPA 6010B	9B04124	50	6800	10	2/4/2009	2/5/2009	

Sample ID: ISA2736-02 (L1-S - Solid)

Reporting Units: mg/kg

Mercury	EPA 7471A	9A30128	0.10	1.2	5	1/30/2009	1/30/2009	
Antimony	EPA 6010B	9B04124	10	ND	1	2/4/2009	2/5/2009	
Arsenic	EPA 6010B	9B04124	2.0	21	1	2/4/2009	2/5/2009	
Barium	EPA 6010B	9B04124	2.0	2800	2	2/4/2009	2/6/2009	
Beryllium	EPA 6010B	9B04124	0.50	ND	1	2/4/2009	2/5/2009	
Cadmium	EPA 6010B	9B04124	0.50	3.1	1	2/4/2009	2/5/2009	
Chromium	EPA 6010B	9B04124	1.0	100	1	2/4/2009	2/5/2009	
Cobalt	EPA 6010B	9B04124	1.0	3.5	1	2/4/2009	2/5/2009	
Copper	EPA 6010B	9B04124	2.0	53	1	2/4/2009	2/5/2009	
Lead	EPA 6010B	9B04124	2.0	1200	1	2/4/2009	2/5/2009	
Molybdenum	EPA 6010B	9B04124	2.0	3.5	1	2/4/2009	2/5/2009	
Nickel	EPA 6010B	9B04124	2.0	26	1	2/4/2009	2/5/2009	
Selenium	EPA 6010B	9B04124	2.0	ND	1	2/4/2009	2/5/2009	
Silver	EPA 6010B	9B04124	1.0	1.1	1	2/4/2009	2/5/2009	
Thallium	EPA 6010B	9B04124	10	ND	1	2/4/2009	2/5/2009	
Vanadium	EPA 6010B	9B04124	1.0	21	1	2/4/2009	2/5/2009	
Zinc	EPA 6010B	9B04124	5.0	520	1	2/4/2009	2/5/2009	

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-03 (L1-E - Solid)								
Reporting Units: mg/kg								
Mercury	EPA 7471A	9A30128	0.10	0.58	5	1/30/2009	1/30/2009	
Antimony	EPA 6010B	9B04124	10	ND	1	2/4/2009	2/5/2009	
Arsenic	EPA 6010B	9B04124	2.0	31	1	2/4/2009	2/5/2009	
Barium	EPA 6010B	9B04124	2.0	3100	2	2/4/2009	2/6/2009	
Beryllium	EPA 6010B	9B04124	0.50	ND	1	2/4/2009	2/5/2009	
Cadmium	EPA 6010B	9B04124	0.50	170	1	2/4/2009	2/5/2009	
Chromium	EPA 6010B	9B04124	1.0	280	1	2/4/2009	2/5/2009	
Cobalt	EPA 6010B	9B04124	1.0	2.5	1	2/4/2009	2/5/2009	
Copper	EPA 6010B	9B04124	2.0	31	1	2/4/2009	2/5/2009	
Lead	EPA 6010B	9B04124	2.0	75	1	2/4/2009	2/5/2009	
Molybdenum	EPA 6010B	9B04124	2.0	5.0	1	2/4/2009	2/5/2009	
Nickel	EPA 6010B	9B04124	2.0	35	1	2/4/2009	2/5/2009	
Selenium	EPA 6010B	9B04124	2.0	ND	1	2/4/2009	2/5/2009	
Silver	EPA 6010B	9B04124	1.0	39	1	2/4/2009	2/5/2009	
Thallium	EPA 6010B	9B04124	10	ND	1	2/4/2009	2/5/2009	
Vanadium	EPA 6010B	9B04124	1.0	23	1	2/4/2009	2/5/2009	
Zinc	EPA 6010B	9B04124	5.0	190	1	2/4/2009	2/5/2009	

Sample ID: ISA2736-04 (L1-W - Solid)

Reporting Units: mg/kg

Mercury	EPA 7471A	9A30128	0.10	0.62	5	1/30/2009	1/30/2009	
Antimony	EPA 6010B	9B04124	10	ND	1	2/4/2009	2/5/2009	
Arsenic	EPA 6010B	9B04124	2.0	16	1	2/4/2009	2/5/2009	
Barium	EPA 6010B	9B04124	1.0	810	1	2/4/2009	2/5/2009	
Beryllium	EPA 6010B	9B04124	0.50	ND	1	2/4/2009	2/5/2009	
Cadmium	EPA 6010B	9B04124	0.50	40	1	2/4/2009	2/5/2009	
Chromium	EPA 6010B	9B04124	1.0	45	1	2/4/2009	2/5/2009	
Cobalt	EPA 6010B	9B04124	1.0	2.7	1	2/4/2009	2/5/2009	
Copper	EPA 6010B	9B04124	2.0	22	1	2/4/2009	2/5/2009	
Lead	EPA 6010B	9B04124	2.0	90	1	2/4/2009	2/5/2009	
Molybdenum	EPA 6010B	9B04124	2.0	5.0	1	2/4/2009	2/5/2009	
Nickel	EPA 6010B	9B04124	2.0	46	1	2/4/2009	2/5/2009	
Selenium	EPA 6010B	9B04124	2.0	ND	1	2/4/2009	2/5/2009	
Silver	EPA 6010B	9B04124	1.0	2.4	1	2/4/2009	2/5/2009	
Thallium	EPA 6010B	9B04124	10	ND	1	2/4/2009	2/5/2009	
Vanadium	EPA 6010B	9B04124	1.0	20	1	2/4/2009	2/5/2009	
Zinc	EPA 6010B	9B04124	5.0	130	1	2/4/2009	2/5/2009	

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Geosyntec Consultants/Project Navigator - Ascon
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Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-05 (L1-W-dup - Solid)								
Reporting Units: mg/kg								
Mercury	EPA 7471A	9A30128	0.10	0.23	5	1/30/2009	1/30/2009	
Antimony	EPA 6010B	9B04124	10	ND	1	2/4/2009	2/5/2009	
Arsenic	EPA 6010B	9B04124	2.0	16	1	2/4/2009	2/5/2009	
Barium	EPA 6010B	9B04124	2.0	3900	2	2/4/2009	2/6/2009	
Beryllium	EPA 6010B	9B04124	0.50	ND	1	2/4/2009	2/5/2009	
Cadmium	EPA 6010B	9B04124	0.50	13	1	2/4/2009	2/5/2009	
Chromium	EPA 6010B	9B04124	1.0	59	1	2/4/2009	2/5/2009	
Cobalt	EPA 6010B	9B04124	1.0	1.8	1	2/4/2009	2/5/2009	
Copper	EPA 6010B	9B04124	2.0	22	1	2/4/2009	2/5/2009	
Lead	EPA 6010B	9B04124	2.0	92	1	2/4/2009	2/5/2009	
Molybdenum	EPA 6010B	9B04124	2.0	3.8	1	2/4/2009	2/5/2009	
Nickel	EPA 6010B	9B04124	2.0	39	1	2/4/2009	2/5/2009	
Selenium	EPA 6010B	9B04124	2.0	ND	1	2/4/2009	2/5/2009	
Silver	EPA 6010B	9B04124	1.0	1.3	1	2/4/2009	2/5/2009	
Thallium	EPA 6010B	9B04124	10	ND	1	2/4/2009	2/5/2009	
Vanadium	EPA 6010B	9B04124	1.0	29	1	2/4/2009	2/5/2009	
Zinc	EPA 6010B	9B04124	5.0	110	1	2/4/2009	2/5/2009	

Sample ID: ISA2736-06 (L2-N - Solid)

Reporting Units: mg/kg

Mercury	EPA 7471A	9A30128	0.10	0.39	5	1/30/2009	1/30/2009	
Antimony	EPA 6010B	9B04124	10	ND	1	2/4/2009	2/5/2009	
Arsenic	EPA 6010B	9B04124	2.0	50	1	2/4/2009	2/5/2009	
Barium	EPA 6010B	9B04124	2.0	3600	2	2/4/2009	2/6/2009	
Beryllium	EPA 6010B	9B04124	0.50	ND	1	2/4/2009	2/5/2009	
Cadmium	EPA 6010B	9B04124	0.50	1.8	1	2/4/2009	2/5/2009	
Chromium	EPA 6010B	9B04124	1.0	120	1	2/4/2009	2/5/2009	
Cobalt	EPA 6010B	9B04124	1.0	2.1	1	2/4/2009	2/5/2009	
Copper	EPA 6010B	9B04124	2.0	23	1	2/4/2009	2/5/2009	
Lead	EPA 6010B	9B04124	2.0	160	1	2/4/2009	2/5/2009	
Molybdenum	EPA 6010B	9B04124	2.0	ND	1	2/4/2009	2/5/2009	
Nickel	EPA 6010B	9B04124	2.0	23	1	2/4/2009	2/5/2009	
Selenium	EPA 6010B	9B04124	2.0	ND	1	2/4/2009	2/5/2009	
Silver	EPA 6010B	9B04124	1.0	ND	1	2/4/2009	2/5/2009	
Thallium	EPA 6010B	9B04124	10	ND	1	2/4/2009	2/5/2009	
Vanadium	EPA 6010B	9B04124	1.0	19	1	2/4/2009	2/5/2009	
Zinc	EPA 6010B	9B04124	5.0	130	1	2/4/2009	2/5/2009	

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Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-07 (L2-S - Solid)								
Reporting Units: mg/kg								
Mercury	EPA 7471A	9A30128	0.10	0.18	5	1/30/2009	1/30/2009	
Antimony	EPA 6010B	9B04124	10	ND	1	2/4/2009	2/5/2009	
Arsenic	EPA 6010B	9B04124	2.0	47	1	2/4/2009	2/5/2009	
Barium	EPA 6010B	9B04124	1.0	1100	1	2/4/2009	2/5/2009	
Beryllium	EPA 6010B	9B04124	0.50	ND	1	2/4/2009	2/5/2009	
Cadmium	EPA 6010B	9B04124	0.50	2.5	1	2/4/2009	2/5/2009	
Chromium	EPA 6010B	9B04124	1.0	150	1	2/4/2009	2/5/2009	
Cobalt	EPA 6010B	9B04124	1.0	3.4	1	2/4/2009	2/5/2009	
Copper	EPA 6010B	9B04124	2.0	31	1	2/4/2009	2/5/2009	
Lead	EPA 6010B	9B04124	2.0	260	1	2/4/2009	2/5/2009	
Molybdenum	EPA 6010B	9B04124	2.0	2.3	1	2/4/2009	2/5/2009	
Nickel	EPA 6010B	9B04124	2.0	32	1	2/4/2009	2/5/2009	
Selenium	EPA 6010B	9B04124	2.0	ND	1	2/4/2009	2/5/2009	
Silver	EPA 6010B	9B04124	1.0	ND	1	2/4/2009	2/5/2009	
Thallium	EPA 6010B	9B04124	10	ND	1	2/4/2009	2/5/2009	
Vanadium	EPA 6010B	9B04124	1.0	25	1	2/4/2009	2/5/2009	
Zinc	EPA 6010B	9B04124	5.0	180	1	2/4/2009	2/5/2009	

Sample ID: ISA2736-08 (L2-E - Solid)

Reporting Units: mg/kg

Mercury	EPA 7471A	9A30128	0.10	0.57	5	1/30/2009	1/30/2009	
Antimony	EPA 6010B	9B04124	10	22	1	2/4/2009	2/5/2009	
Arsenic	EPA 6010B	9B04124	2.0	95	1	2/4/2009	2/5/2009	
Barium	EPA 6010B	9B04124	1.0	650	1	2/4/2009	2/5/2009	
Beryllium	EPA 6010B	9B04124	0.50	ND	1	2/4/2009	2/5/2009	
Cadmium	EPA 6010B	9B04124	0.50	12	1	2/4/2009	2/5/2009	
Chromium	EPA 6010B	9B04124	1.0	120	1	2/4/2009	2/5/2009	
Cobalt	EPA 6010B	9B04124	1.0	9.3	1	2/4/2009	2/5/2009	
Copper	EPA 6010B	9B04124	2.0	44	1	2/4/2009	2/5/2009	
Lead	EPA 6010B	9B04124	4.0	3500	2	2/4/2009	2/6/2009	
Molybdenum	EPA 6010B	9B04124	2.0	3.8	1	2/4/2009	2/5/2009	
Nickel	EPA 6010B	9B04124	2.0	35	1	2/4/2009	2/5/2009	
Selenium	EPA 6010B	9B04124	2.0	ND	1	2/4/2009	2/5/2009	
Silver	EPA 6010B	9B04124	1.0	1.4	1	2/4/2009	2/5/2009	
Thallium	EPA 6010B	9B04124	10	ND	1	2/4/2009	2/5/2009	
Vanadium	EPA 6010B	9B04124	1.0	27	1	2/4/2009	2/5/2009	
Zinc	EPA 6010B	9B04124	10	1500	2	2/4/2009	2/6/2009	

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-09 (L2-W - Solid)								
Reporting Units: mg/kg								
Mercury	EPA 7471A	9A30128	0.10	0.27	5	1/30/2009	1/30/2009	
Antimony	EPA 6010B	9B04124	10	ND	1	2/4/2009	2/5/2009	
Arsenic	EPA 6010B	9B04124	2.0	71	1	2/4/2009	2/5/2009	
Barium	EPA 6010B	9B04124	1.0	460	1	2/4/2009	2/5/2009	
Beryllium	EPA 6010B	9B04124	0.50	ND	1	2/4/2009	2/5/2009	
Cadmium	EPA 6010B	9B04124	0.50	77	1	2/4/2009	2/5/2009	
Chromium	EPA 6010B	9B04124	1.0	160	1	2/4/2009	2/5/2009	
Cobalt	EPA 6010B	9B04124	1.0	3.7	1	2/4/2009	2/5/2009	
Copper	EPA 6010B	9B04124	2.0	49	1	2/4/2009	2/5/2009	
Lead	EPA 6010B	9B04124	2.0	230	1	2/4/2009	2/5/2009	
Molybdenum	EPA 6010B	9B04124	2.0	3.9	1	2/4/2009	2/5/2009	
Nickel	EPA 6010B	9B04124	2.0	55	1	2/4/2009	2/5/2009	
Selenium	EPA 6010B	9B04124	2.0	ND	1	2/4/2009	2/5/2009	
Silver	EPA 6010B	9B04124	1.0	3.1	1	2/4/2009	2/5/2009	
Thallium	EPA 6010B	9B04124	10	ND	1	2/4/2009	2/5/2009	
Vanadium	EPA 6010B	9B04124	1.0	20	1	2/4/2009	2/5/2009	
Zinc	EPA 6010B	9B04124	5.0	1100	1	2/4/2009	2/5/2009	

Sample ID: ISA2736-10 (L2-W-dup - Solid)

Reporting Units: mg/kg

Mercury	EPA 7471A	9B03103	0.020	0.29	1	2/3/2009	2/3/2009	
Antimony	EPA 6010B	9B04124	10	ND	1	2/4/2009	2/6/2009	
Arsenic	EPA 6010B	9B04124	2.0	53	1	2/4/2009	2/6/2009	
Barium	EPA 6010B	9B04124	1.0	990	1	2/4/2009	2/6/2009	
Beryllium	EPA 6010B	9B04124	0.50	ND	1	2/4/2009	2/6/2009	
Cadmium	EPA 6010B	9B04124	0.50	59	1	2/4/2009	2/6/2009	
Chromium	EPA 6010B	9B04124	1.0	120	1	2/4/2009	2/6/2009	
Cobalt	EPA 6010B	9B04124	1.0	4.3	1	2/4/2009	2/6/2009	
Copper	EPA 6010B	9B04124	2.0	46	1	2/4/2009	2/6/2009	
Lead	EPA 6010B	9B04124	2.0	370	1	2/4/2009	2/6/2009	
Molybdenum	EPA 6010B	9B04124	2.0	4.0	1	2/4/2009	2/6/2009	
Nickel	EPA 6010B	9B04124	2.0	59	1	2/4/2009	2/6/2009	
Selenium	EPA 6010B	9B04124	2.0	ND	1	2/4/2009	2/6/2009	
Silver	EPA 6010B	9B04124	1.0	2.6	1	2/4/2009	2/6/2009	
Thallium	EPA 6010B	9B04124	10	ND	1	2/4/2009	2/6/2009	
Vanadium	EPA 6010B	9B04124	1.0	52	1	2/4/2009	2/6/2009	
Zinc	EPA 6010B	9B04124	10	1100	2	2/4/2009	2/6/2009	

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-11 (Decon Water - Water)								
Reporting Units: mg/l								
Mercury	EPA 7470A	9B04078	0.00020	ND	1	2/4/2009	2/4/2009	M2
Antimony	EPA 6010B	9B05128	0.010	ND	1	2/5/2009	2/6/2009	
Arsenic	EPA 6010B	9B05128	0.010	ND	1	2/5/2009	2/6/2009	
Barium	EPA 6010B	9B05128	0.010	0.055	1	2/5/2009	2/6/2009	
Beryllium	EPA 6010B	9B05128	0.0040	ND	1	2/5/2009	2/6/2009	
Cadmium	EPA 6010B	9B05128	0.0050	ND	1	2/5/2009	2/6/2009	
Chromium	EPA 6010B	9B05128	0.0050	0.0085	1	2/5/2009	2/6/2009	
Cobalt	EPA 6010B	9B05128	0.010	ND	1	2/5/2009	2/6/2009	
Copper	EPA 6010B	9B05128	0.010	ND	1	2/5/2009	2/6/2009	
Lead	EPA 6010B	9B05128	0.0050	ND	1	2/5/2009	2/6/2009	
Molybdenum	EPA 6010B	9B05128	0.020	ND	1	2/5/2009	2/6/2009	
Nickel	EPA 6010B	9B05128	0.010	ND	1	2/5/2009	2/6/2009	
Selenium	EPA 6010B	9B05128	0.010	ND	1	2/5/2009	2/6/2009	
Silver	EPA 6010B	9B05128	0.010	ND	1	2/5/2009	2/6/2009	
Thallium	EPA 6010B	9B05128	0.010	ND	1	2/5/2009	2/7/2009	
Vanadium	EPA 6010B	9B05128	0.010	ND	1	2/5/2009	2/6/2009	
Zinc	EPA 6010B	9B05128	0.020	ND	1	2/5/2009	2/6/2009	

Sample ID: ISA2736-12 (Drum Mud - Solid)

Reporting Units: mg/kg

Mercury	EPA 7471A	9A30128	0.10	0.16	5	1/30/2009	1/30/2009	
Antimony	EPA 6010B	9B04124	10	ND	1	2/4/2009	2/6/2009	
Arsenic	EPA 6010B	9B04124	2.0	28	1	2/4/2009	2/6/2009	
Barium	EPA 6010B	9B04124	1.0	1700	1	2/4/2009	2/6/2009	
Beryllium	EPA 6010B	9B04124	0.50	ND	1	2/4/2009	2/6/2009	
Cadmium	EPA 6010B	9B04124	0.50	2.0	1	2/4/2009	2/6/2009	
Chromium	EPA 6010B	9B04124	1.0	51	1	2/4/2009	2/6/2009	
Cobalt	EPA 6010B	9B04124	1.0	4.1	1	2/4/2009	2/6/2009	
Copper	EPA 6010B	9B04124	2.0	33	1	2/4/2009	2/6/2009	
Lead	EPA 6010B	9B04124	2.0	190	1	2/4/2009	2/6/2009	
Molybdenum	EPA 6010B	9B04124	2.0	ND	1	2/4/2009	2/6/2009	
Nickel	EPA 6010B	9B04124	2.0	20	1	2/4/2009	2/6/2009	
Selenium	EPA 6010B	9B04124	2.0	ND	1	2/4/2009	2/6/2009	
Silver	EPA 6010B	9B04124	1.0	ND	1	2/4/2009	2/6/2009	
Thallium	EPA 6010B	9B04124	10	ND	1	2/4/2009	2/6/2009	
Vanadium	EPA 6010B	9B04124	1.0	29	1	2/4/2009	2/6/2009	
Zinc	EPA 6010B	9B04124	5.0	120	1	2/4/2009	2/6/2009	

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-01 (L1-N - Solid)								
Reporting Units: N/A								
Free Liquid	SW-846 9095A	9B06094	NA	Not Present	1	2/6/2009	2/6/2009	
Sample ID: ISA2736-01 (L1-N - Solid)								
Reporting Units: pH Units								
pH	EPA 9045C	9A31054	0.100	8.05	1	1/31/2009	2/1/2009	
Sample ID: ISA2736-02 (L1-S - Solid)								
Reporting Units: N/A								
Free Liquid	SW-846 9095A	9B06094	NA	Not Present	1	2/6/2009	2/6/2009	
Sample ID: ISA2736-02 (L1-S - Solid)								
Reporting Units: pH Units								
pH	EPA 9045C	9A31054	0.100	8.02	1	1/31/2009	2/1/2009	
Sample ID: ISA2736-03 (L1-E - Solid)								
Reporting Units: N/A								
Free Liquid	SW-846 9095A	9B06094	NA	Not Present	1	2/6/2009	2/6/2009	
Sample ID: ISA2736-03 (L1-E - Solid)								
Reporting Units: pH Units								
pH	EPA 9045C	9A31054	0.100	8.66	1	1/31/2009	2/1/2009	
Sample ID: ISA2736-04 (L1-W - Solid)								
Reporting Units: N/A								
Free Liquid	SW-846 9095A	9B06094	NA	Not Present	1	2/6/2009	2/6/2009	
Sample ID: ISA2736-04 (L1-W - Solid)								
Reporting Units: pH Units								
pH	EPA 9045C	9A31054	0.100	7.94	1	1/31/2009	2/1/2009	
Sample ID: ISA2736-05 (L1-W-dup - Solid)								
Reporting Units: N/A								
Free Liquid	SW-846 9095A	9B06094	NA	Not Present	1	2/6/2009	2/6/2009	
Sample ID: ISA2736-06 (L2-N - Solid)								
Reporting Units: N/A								
Free Liquid	SW-846 9095A	9B06094	NA	Not Present	1	2/6/2009	2/6/2009	
Sample ID: ISA2736-06 (L2-N - Solid)								
Reporting Units: pH Units								
pH	EPA 9045C	9A31054	0.100	7.99	1	1/31/2009	2/1/2009	

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-07 (L2-S - Solid)								
Reporting Units: N/A								
Free Liquid	SW-846 9095A	9B06094	NA	Not Present	1	2/6/2009	2/6/2009	
Sample ID: ISA2736-07 (L2-S - Solid)								
Reporting Units: pH Units								
pH	EPA 9045C	9A31054	0.100	7.99	1	1/31/2009	2/1/2009	
Sample ID: ISA2736-08 (L2-E - Solid)								
Reporting Units: N/A								
Free Liquid	SW-846 9095A	9B06094	NA	Not Present	1	2/6/2009	2/6/2009	
Sample ID: ISA2736-08 (L2-E - Solid)								
Reporting Units: pH Units								
pH	EPA 9045C	9A31054	0.100	8.14	1	1/31/2009	2/1/2009	
Sample ID: ISA2736-09 (L2-W - Solid)								
Reporting Units: N/A								
Free Liquid	SW-846 9095A	9B06094	NA	Not Present	1	2/6/2009	2/6/2009	
Sample ID: ISA2736-09 (L2-W - Solid)								
Reporting Units: pH Units								
pH	EPA 9045C	9A31054	0.100	8.22	1	1/31/2009	2/1/2009	
Sample ID: ISA2736-10 (L2-W-dup - Solid)								
Reporting Units: N/A								
Free Liquid	SW-846 9095A	9B06094	NA	Not Present	1	2/6/2009	2/6/2009	
Sample ID: ISA2736-12 (Drum Mud - Solid)								
Reporting Units: pH Units								
pH	EPA 9045C	9A31054	0.100	8.72	1	1/31/2009	2/1/2009	

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

SPECIFIC GRAVITY

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-01RE1 (L1-N - Solid)								
Reporting Units: N/A								
Specific Gravity	ASTM	9B23059	NA	1.14	1	2/6/2009	2/23/2009	
Sample ID: ISA2736-02RE1 (L1-S - Solid)								
Reporting Units: N/A								
Specific Gravity	ASTM	9B23059	NA	1.41	1	2/6/2009	2/23/2009	
Sample ID: ISA2736-03RE1 (L1-E - Solid)								
Reporting Units: N/A								
Specific Gravity	ASTM	9B23059	NA	1.38	1	2/6/2009	2/23/2009	
Sample ID: ISA2736-04RE1 (L1-W - Solid)								
Reporting Units: N/A								
Specific Gravity	ASTM	9B23059	NA	1.26	1	2/6/2009	2/23/2009	
Sample ID: ISA2736-06RE1 (L2-N - Solid)								
Reporting Units: N/A								
Specific Gravity	ASTM	9B23059	NA	1.19	1	2/6/2009	2/23/2009	
Sample ID: ISA2736-07RE1 (L2-S - Solid)								
Reporting Units: N/A								
Specific Gravity	ASTM	9B23059	NA	1.04	1	2/6/2009	2/23/2009	
Sample ID: ISA2736-08RE1 (L2-E - Solid)								
Reporting Units: N/A								
Specific Gravity	ASTM	9B23059	NA	1.12	1	2/6/2009	2/23/2009	
Sample ID: ISA2736-09RE1 (L2-W - Solid)								
Reporting Units: N/A								
Specific Gravity	ASTM	9B23059	NA	1.56	1	2/6/2009	2/23/2009	

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

HYDROCARBON DISTRIBUTION (CADHS/8015 Mod.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	% of Total	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-01 (L1-N - Solid)									
Reporting Units: mg/kg									
EFH (C8 - C40)	EPA 8015 MOD.	9B02063	5000	140000	999	100	2/3/2009	2/5/2009	
EFH (C8 - C9)	EPA 8015 MOD.	9B02063	3500	ND	999	N/A	2/3/2009	2/5/2009	
EFH (C10 - C11)	EPA 8015 MOD.	9B02063	3500	9700	999	7	2/3/2009	2/5/2009	
EFH (C12 - C13)	EPA 8015 MOD.	9B02063	3500	19000	999	14	2/3/2009	2/5/2009	
EFH (C14 - C15)	EPA 8015 MOD.	9B02063	3500	23000	999	16	2/3/2009	2/5/2009	
EFH (C16 - C17)	EPA 8015 MOD.	9B02063	3500	21000	999	15	2/3/2009	2/5/2009	
EFH (C18 - C19)	EPA 8015 MOD.	9B02063	3500	17000	999	12	2/3/2009	2/5/2009	
EFH (C20 - C21)	EPA 8015 MOD.	9B02063	3500	12000	999	9	2/3/2009	2/5/2009	
EFH (C22 - C23)	EPA 8015 MOD.	9B02063	3500	9600	999	7	2/3/2009	2/5/2009	
EFH (C24 - C25)	EPA 8015 MOD.	9B02063	3500	7600	999	5	2/3/2009	2/5/2009	
EFH (C26 - C27)	EPA 8015 MOD.	9B02063	3500	6700	999	5	2/3/2009	2/5/2009	
EFH (C28 - C29)	EPA 8015 MOD.	9B02063	3500	4100	999	3	2/3/2009	2/5/2009	
EFH (C30 - C31)	EPA 8015 MOD.	9B02063	3500	4500	999	3	2/3/2009	2/5/2009	
EFH (C32 - C35)	EPA 8015 MOD.	9B02063	3500	4300	999	3	2/3/2009	2/5/2009	
EFH (C36 - C40)	EPA 8015 MOD.	9B02063	3500	3800	999	3	2/3/2009	2/5/2009	

Surrogate: n-Octacosane (40-125%)

19500 %

Z3

Sample ID: ISA2736-02 (L1-S - Solid)

Reporting Units: mg/kg									
EFH (C8 - C40)	EPA 8015 MOD.	9B02063	750	36000	150	100	2/3/2009	2/5/2009	
EFH (C8 - C9)	EPA 8015 MOD.	9B02063	520	ND	150	N/A	2/3/2009	2/5/2009	
EFH (C10 - C11)	EPA 8015 MOD.	9B02063	520	1500	150	4	2/3/2009	2/5/2009	
EFH (C12 - C13)	EPA 8015 MOD.	9B02063	520	3500	150	10	2/3/2009	2/5/2009	
EFH (C14 - C15)	EPA 8015 MOD.	9B02063	520	4400	150	12	2/3/2009	2/5/2009	
EFH (C16 - C17)	EPA 8015 MOD.	9B02063	520	5000	150	14	2/3/2009	2/5/2009	
EFH (C18 - C19)	EPA 8015 MOD.	9B02063	520	4500	150	13	2/3/2009	2/5/2009	
EFH (C20 - C21)	EPA 8015 MOD.	9B02063	520	3200	150	9	2/3/2009	2/5/2009	
EFH (C22 - C23)	EPA 8015 MOD.	9B02063	520	2600	150	7	2/3/2009	2/5/2009	
EFH (C24 - C25)	EPA 8015 MOD.	9B02063	520	2000	150	6	2/3/2009	2/5/2009	
EFH (C26 - C27)	EPA 8015 MOD.	9B02063	520	2100	150	6	2/3/2009	2/5/2009	
EFH (C28 - C29)	EPA 8015 MOD.	9B02063	520	1400	150	4	2/3/2009	2/5/2009	
EFH (C30 - C31)	EPA 8015 MOD.	9B02063	520	1800	150	5	2/3/2009	2/5/2009	
EFH (C32 - C35)	EPA 8015 MOD.	9B02063	520	2400	150	7	2/3/2009	2/5/2009	
EFH (C36 - C40)	EPA 8015 MOD.	9B02063	520	1600	150	4	2/3/2009	2/5/2009	

Surrogate: n-Octacosane (40-125%)

4830 %

Z3

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

HYDROCARBON DISTRIBUTION (CADHS/8015 Mod.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	% of Total	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-03 (L1-E - Solid)									
Reporting Units: mg/kg									
EFH (C8 - C40)	EPA 8015 MOD.	9B02063	750	37000	150	100	2/3/2009	2/5/2009	
EFH (C8 - C9)	EPA 8015 MOD.	9B02063	520	1500	150	4	2/3/2009	2/5/2009	
EFH (C10 - C11)	EPA 8015 MOD.	9B02063	520	2800	150	8	2/3/2009	2/5/2009	
EFH (C12 - C13)	EPA 8015 MOD.	9B02063	520	3800	150	10	2/3/2009	2/5/2009	
EFH (C14 - C15)	EPA 8015 MOD.	9B02063	520	4400	150	12	2/3/2009	2/5/2009	
EFH (C16 - C17)	EPA 8015 MOD.	9B02063	520	4500	150	12	2/3/2009	2/5/2009	
EFH (C18 - C19)	EPA 8015 MOD.	9B02063	520	3800	150	10	2/3/2009	2/5/2009	
EFH (C20 - C21)	EPA 8015 MOD.	9B02063	520	2700	150	7	2/3/2009	2/5/2009	
EFH (C22 - C23)	EPA 8015 MOD.	9B02063	520	2200	150	6	2/3/2009	2/5/2009	
EFH (C24 - C25)	EPA 8015 MOD.	9B02063	520	1800	150	5	2/3/2009	2/5/2009	
EFH (C26 - C27)	EPA 8015 MOD.	9B02063	520	2400	150	6	2/3/2009	2/5/2009	
EFH (C28 - C29)	EPA 8015 MOD.	9B02063	520	1300	150	4	2/3/2009	2/5/2009	
EFH (C30 - C31)	EPA 8015 MOD.	9B02063	520	1800	150	5	2/3/2009	2/5/2009	
EFH (C32 - C35)	EPA 8015 MOD.	9B02063	520	2300	150	6	2/3/2009	2/5/2009	
EFH (C36 - C40)	EPA 8015 MOD.	9B02063	520	1600	150	4	2/3/2009	2/5/2009	

Surrogate: n-Octacosane (40-125%)

2500 %

Z3

Sample ID: ISA2736-04 (L1-W - Solid)

Reporting Units: mg/kg									
EFH (C8 - C40)	EPA 8015 MOD.	9B02063	1500	42000	300	100	2/3/2009	2/5/2009	
EFH (C8 - C9)	EPA 8015 MOD.	9B02063	1000	ND	300	N/A	2/3/2009	2/5/2009	
EFH (C10 - C11)	EPA 8015 MOD.	9B02063	1000	ND	300	N/A	2/3/2009	2/5/2009	
EFH (C12 - C13)	EPA 8015 MOD.	9B02063	1000	2100	300	5	2/3/2009	2/5/2009	
EFH (C14 - C15)	EPA 8015 MOD.	9B02063	1000	3200	300	8	2/3/2009	2/5/2009	
EFH (C16 - C17)	EPA 8015 MOD.	9B02063	1000	5100	300	12	2/3/2009	2/5/2009	
EFH (C18 - C19)	EPA 8015 MOD.	9B02063	1000	5700	300	14	2/3/2009	2/5/2009	
EFH (C20 - C21)	EPA 8015 MOD.	9B02063	1000	4400	300	10	2/3/2009	2/5/2009	
EFH (C22 - C23)	EPA 8015 MOD.	9B02063	1000	3800	300	9	2/3/2009	2/5/2009	
EFH (C24 - C25)	EPA 8015 MOD.	9B02063	1000	3300	300	8	2/3/2009	2/5/2009	
EFH (C26 - C27)	EPA 8015 MOD.	9B02063	1000	3900	300	9	2/3/2009	2/5/2009	
EFH (C28 - C29)	EPA 8015 MOD.	9B02063	1000	1800	300	4	2/3/2009	2/5/2009	
EFH (C30 - C31)	EPA 8015 MOD.	9B02063	1000	2500	300	6	2/3/2009	2/5/2009	
EFH (C32 - C35)	EPA 8015 MOD.	9B02063	1000	2700	300	6	2/3/2009	2/5/2009	
EFH (C36 - C40)	EPA 8015 MOD.	9B02063	1000	2000	300	5	2/3/2009	2/5/2009	

Surrogate: n-Octacosane (40-125%)

3590 %

Z3

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

HYDROCARBON DISTRIBUTION (CADHS/8015 Mod.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	% of Total	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-05 (L1-W-dup - Solid)									
Reporting Units: mg/kg									
EFH (C8 - C40)	EPA 8015 MOD.	9B02063	1500	60000	300	100	2/3/2009	2/5/2009	
EFH (C8 - C9)	EPA 8015 MOD.	9B02063	1000	1600	300	3	2/3/2009	2/5/2009	
EFH (C10 - C11)	EPA 8015 MOD.	9B02063	1000	3600	300	6	2/3/2009	2/5/2009	
EFH (C12 - C13)	EPA 8015 MOD.	9B02063	1000	6400	300	11	2/3/2009	2/5/2009	
EFH (C14 - C15)	EPA 8015 MOD.	9B02063	1000	7800	300	13	2/3/2009	2/5/2009	
EFH (C16 - C17)	EPA 8015 MOD.	9B02063	1000	7900	300	13	2/3/2009	2/5/2009	
EFH (C18 - C19)	EPA 8015 MOD.	9B02063	1000	6600	300	11	2/3/2009	2/5/2009	
EFH (C20 - C21)	EPA 8015 MOD.	9B02063	1000	4700	300	8	2/3/2009	2/5/2009	
EFH (C22 - C23)	EPA 8015 MOD.	9B02063	1000	3900	300	7	2/3/2009	2/5/2009	
EFH (C24 - C25)	EPA 8015 MOD.	9B02063	1000	3000	300	5	2/3/2009	2/5/2009	
EFH (C26 - C27)	EPA 8015 MOD.	9B02063	1000	4300	300	7	2/3/2009	2/5/2009	
EFH (C28 - C29)	EPA 8015 MOD.	9B02063	1000	1900	300	3	2/3/2009	2/5/2009	
EFH (C30 - C31)	EPA 8015 MOD.	9B02063	1000	2300	300	4	2/3/2009	2/5/2009	
EFH (C32 - C35)	EPA 8015 MOD.	9B02063	1000	3200	300	5	2/3/2009	2/5/2009	
EFH (C36 - C40)	EPA 8015 MOD.	9B02063	1000	2800	300	5	2/3/2009	2/5/2009	
Surrogate: n-Octacosane (40-125%)				3760 %					Z3

Sample ID: ISA2736-06 (L2-N - Solid)

Reporting Units: mg/kg									
EFH (C8 - C40)	EPA 8015 MOD.	9B02063	750	29000	150	100	2/3/2009	2/5/2009	
EFH (C8 - C9)	EPA 8015 MOD.	9B02063	520	ND	150	N/A	2/3/2009	2/5/2009	
EFH (C10 - C11)	EPA 8015 MOD.	9B02063	520	ND	150	N/A	2/3/2009	2/5/2009	
EFH (C12 - C13)	EPA 8015 MOD.	9B02063	520	980	150	3	2/3/2009	2/5/2009	
EFH (C14 - C15)	EPA 8015 MOD.	9B02063	520	1800	150	6	2/3/2009	2/5/2009	
EFH (C16 - C17)	EPA 8015 MOD.	9B02063	520	3400	150	12	2/3/2009	2/5/2009	
EFH (C18 - C19)	EPA 8015 MOD.	9B02063	520	4100	150	14	2/3/2009	2/5/2009	
EFH (C20 - C21)	EPA 8015 MOD.	9B02063	520	3100	150	11	2/3/2009	2/5/2009	
EFH (C22 - C23)	EPA 8015 MOD.	9B02063	520	2500	150	9	2/3/2009	2/5/2009	
EFH (C24 - C25)	EPA 8015 MOD.	9B02063	520	2500	150	9	2/3/2009	2/5/2009	
EFH (C26 - C27)	EPA 8015 MOD.	9B02063	520	3100	150	11	2/3/2009	2/5/2009	
EFH (C28 - C29)	EPA 8015 MOD.	9B02063	520	1400	150	5	2/3/2009	2/5/2009	
EFH (C30 - C31)	EPA 8015 MOD.	9B02063	520	1900	150	7	2/3/2009	2/5/2009	
EFH (C32 - C35)	EPA 8015 MOD.	9B02063	520	2400	150	8	2/3/2009	2/5/2009	
EFH (C36 - C40)	EPA 8015 MOD.	9B02063	520	1700	150	6	2/3/2009	2/5/2009	
Surrogate: n-Octacosane (40-125%)				2430 %					Z3

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

HYDROCARBON DISTRIBUTION (CADHS/8015 Mod.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	% of Total	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-07 (L2-S - Solid)									
Reporting Units: mg/kg									
EFH (C8 - C40)	EPA 8015 MOD.	9B02063	1500	53000	300	100	2/3/2009	2/5/2009	
EFH (C8 - C9)	EPA 8015 MOD.	9B02063	1000	ND	300	N/A	2/3/2009	2/5/2009	
EFH (C10 - C11)	EPA 8015 MOD.	9B02063	1000	1700	300	3	2/3/2009	2/5/2009	
EFH (C12 - C13)	EPA 8015 MOD.	9B02063	1000	3700	300	7	2/3/2009	2/5/2009	
EFH (C14 - C15)	EPA 8015 MOD.	9B02063	1000	4500	300	8	2/3/2009	2/5/2009	
EFH (C16 - C17)	EPA 8015 MOD.	9B02063	1000	6600	300	12	2/3/2009	2/5/2009	
EFH (C18 - C19)	EPA 8015 MOD.	9B02063	1000	7400	300	14	2/3/2009	2/5/2009	
EFH (C20 - C21)	EPA 8015 MOD.	9B02063	1000	5600	300	11	2/3/2009	2/5/2009	
EFH (C22 - C23)	EPA 8015 MOD.	9B02063	1000	4200	300	8	2/3/2009	2/5/2009	
EFH (C24 - C25)	EPA 8015 MOD.	9B02063	1000	3600	300	7	2/3/2009	2/5/2009	
EFH (C26 - C27)	EPA 8015 MOD.	9B02063	1000	4300	300	8	2/3/2009	2/5/2009	
EFH (C28 - C29)	EPA 8015 MOD.	9B02063	1000	1900	300	4	2/3/2009	2/5/2009	
EFH (C30 - C31)	EPA 8015 MOD.	9B02063	1000	2800	300	5	2/3/2009	2/5/2009	
EFH (C32 - C35)	EPA 8015 MOD.	9B02063	1000	3600	300	7	2/3/2009	2/5/2009	
EFH (C36 - C40)	EPA 8015 MOD.	9B02063	1000	2900	300	5	2/3/2009	2/5/2009	

Surrogate: n-Octacosane (40-125%)

3110 %

Z3

Sample ID: ISA2736-08 (L2-E - Solid)

Reporting Units: mg/kg									
EFH (C8 - C40)	EPA 8015 MOD.	9B02063	750	44000	150	100	2/3/2009	2/5/2009	
EFH (C8 - C9)	EPA 8015 MOD.	9B02063	520	790	150	2	2/3/2009	2/5/2009	
EFH (C10 - C11)	EPA 8015 MOD.	9B02063	520	2400	150	5	2/3/2009	2/5/2009	
EFH (C12 - C13)	EPA 8015 MOD.	9B02063	520	5800	150	13	2/3/2009	2/5/2009	
EFH (C14 - C15)	EPA 8015 MOD.	9B02063	520	6300	150	14	2/3/2009	2/5/2009	
EFH (C16 - C17)	EPA 8015 MOD.	9B02063	520	5700	150	13	2/3/2009	2/5/2009	
EFH (C18 - C19)	EPA 8015 MOD.	9B02063	520	4500	150	10	2/3/2009	2/5/2009	
EFH (C20 - C21)	EPA 8015 MOD.	9B02063	520	3400	150	8	2/3/2009	2/5/2009	
EFH (C22 - C23)	EPA 8015 MOD.	9B02063	520	2700	150	6	2/3/2009	2/5/2009	
EFH (C24 - C25)	EPA 8015 MOD.	9B02063	520	2300	150	5	2/3/2009	2/5/2009	
EFH (C26 - C27)	EPA 8015 MOD.	9B02063	520	2700	150	6	2/3/2009	2/5/2009	
EFH (C28 - C29)	EPA 8015 MOD.	9B02063	520	1300	150	3	2/3/2009	2/5/2009	
EFH (C30 - C31)	EPA 8015 MOD.	9B02063	520	1700	150	4	2/3/2009	2/5/2009	
EFH (C32 - C35)	EPA 8015 MOD.	9B02063	520	2200	150	5	2/3/2009	2/5/2009	
EFH (C36 - C40)	EPA 8015 MOD.	9B02063	520	1600	150	4	2/3/2009	2/5/2009	

Surrogate: n-Octacosane (40-125%)

2080 %

Z3

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

HYDROCARBON DISTRIBUTION (CADHS/8015 Mod.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	% of Total	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-09 (L2-W - Solid)									
Reporting Units: mg/kg									
EFH (C8 - C40)	EPA 8015 MOD.	9B02063	750	45000	150	100	2/3/2009	2/5/2009	
EFH (C8 - C9)	EPA 8015 MOD.	9B02063	520	790	150	2	2/3/2009	2/5/2009	
EFH (C10 - C11)	EPA 8015 MOD.	9B02063	520	2400	150	5	2/3/2009	2/5/2009	
EFH (C12 - C13)	EPA 8015 MOD.	9B02063	520	5100	150	11	2/3/2009	2/5/2009	
EFH (C14 - C15)	EPA 8015 MOD.	9B02063	520	5900	150	13	2/3/2009	2/5/2009	
EFH (C16 - C17)	EPA 8015 MOD.	9B02063	520	5700	150	13	2/3/2009	2/5/2009	
EFH (C18 - C19)	EPA 8015 MOD.	9B02063	520	4900	150	11	2/3/2009	2/5/2009	
EFH (C20 - C21)	EPA 8015 MOD.	9B02063	520	3700	150	8	2/3/2009	2/5/2009	
EFH (C22 - C23)	EPA 8015 MOD.	9B02063	520	3200	150	7	2/3/2009	2/5/2009	
EFH (C24 - C25)	EPA 8015 MOD.	9B02063	520	2700	150	6	2/3/2009	2/5/2009	
EFH (C26 - C27)	EPA 8015 MOD.	9B02063	520	3300	150	7	2/3/2009	2/5/2009	
EFH (C28 - C29)	EPA 8015 MOD.	9B02063	520	1400	150	3	2/3/2009	2/5/2009	
EFH (C30 - C31)	EPA 8015 MOD.	9B02063	520	1900	150	4	2/3/2009	2/5/2009	
EFH (C32 - C35)	EPA 8015 MOD.	9B02063	520	2200	150	5	2/3/2009	2/5/2009	
EFH (C36 - C40)	EPA 8015 MOD.	9B02063	520	1800	150	4	2/3/2009	2/5/2009	

Surrogate: n-Octacosane (40-125%)

2380 %

Z3

Sample ID: ISA2736-10 (L2-W-dup - Solid)

Reporting Units: mg/kg									
EFH (C8 - C40)	EPA 8015 MOD.	9B02063	750	34000	150	100	2/3/2009	2/5/2009	
EFH (C8 - C9)	EPA 8015 MOD.	9B02063	520	ND	150	N/A	2/3/2009	2/5/2009	
EFH (C10 - C11)	EPA 8015 MOD.	9B02063	520	1500	150	4	2/3/2009	2/5/2009	
EFH (C12 - C13)	EPA 8015 MOD.	9B02063	520	3500	150	10	2/3/2009	2/5/2009	
EFH (C14 - C15)	EPA 8015 MOD.	9B02063	520	4500	150	13	2/3/2009	2/5/2009	
EFH (C16 - C17)	EPA 8015 MOD.	9B02063	520	4900	150	14	2/3/2009	2/5/2009	
EFH (C18 - C19)	EPA 8015 MOD.	9B02063	520	4300	150	13	2/3/2009	2/5/2009	
EFH (C20 - C21)	EPA 8015 MOD.	9B02063	520	3200	150	9	2/3/2009	2/5/2009	
EFH (C22 - C23)	EPA 8015 MOD.	9B02063	520	2400	150	7	2/3/2009	2/5/2009	
EFH (C24 - C25)	EPA 8015 MOD.	9B02063	520	1800	150	5	2/3/2009	2/5/2009	
EFH (C26 - C27)	EPA 8015 MOD.	9B02063	520	2400	150	7	2/3/2009	2/5/2009	
EFH (C28 - C29)	EPA 8015 MOD.	9B02063	520	980	150	3	2/3/2009	2/5/2009	
EFH (C30 - C31)	EPA 8015 MOD.	9B02063	520	1400	150	4	2/3/2009	2/5/2009	
EFH (C32 - C35)	EPA 8015 MOD.	9B02063	520	1700	150	5	2/3/2009	2/5/2009	
EFH (C36 - C40)	EPA 8015 MOD.	9B02063	520	1400	150	4	2/3/2009	2/5/2009	

Surrogate: n-Octacosane (40-125%)

2080 %

Z3

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Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

TCLP METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	TCLP Limit	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-01 (L1-N - Solid)									
Reporting Units: mg/l									
Barium	6010B-TCLP	9B24161	0.20	17	1	100.0	2/24/2009	2/25/2009	B-1
Cadmium	6010B-TCLP	9B24161	0.10	ND	1	1.0	2/24/2009	2/25/2009	
Chromium	6010B-TCLP	9B24161	0.10	0.32	1	5.0	2/24/2009	2/25/2009	
Lead	6010B-TCLP	9B24161	0.10	3.7	1	5.0	2/24/2009	2/25/2009	
Sample ID: ISA2736-02 (L1-S - Solid)									
Reporting Units: mg/l									
Barium	6010B-TCLP	9B24161	0.20	20	1	100.0	2/24/2009	2/25/2009	B-1
Cadmium	6010B-TCLP	9B24161	0.10	ND	1	1.0	2/24/2009	2/25/2009	
Chromium	6010B-TCLP	9B24161	0.10	0.19	1	5.0	2/24/2009	2/25/2009	
Lead	6010B-TCLP	9B24161	0.10	19	1	5.0	2/24/2009	2/25/2009	
Sample ID: ISA2736-03 (L1-E - Solid)									
Reporting Units: mg/l									
Barium	6010B-TCLP	9B24161	0.20	10	1	100.0	2/24/2009	2/25/2009	B-1
Cadmium	6010B-TCLP	9B24161	0.10	ND	1	1.0	2/24/2009	2/25/2009	
Chromium	6010B-TCLP	9B24161	0.10	0.49	1	5.0	2/24/2009	2/25/2009	
Lead	6010B-TCLP	9B24161	0.10	1.1	1	5.0	2/24/2009	2/25/2009	
Sample ID: ISA2736-04 (L1-W - Solid)									
Reporting Units: mg/l									
Barium	6010B-TCLP	9B24161	0.20	5.8	1	100.0	2/24/2009	2/25/2009	B-1
Cadmium	6010B-TCLP	9B24161	0.10	0.16	1	1.0	2/24/2009	2/25/2009	
Chromium	6010B-TCLP	9B24161	0.10	ND	1	5.0	2/24/2009	2/25/2009	
Lead	6010B-TCLP	9B24161	0.10	0.52	1	5.0	2/24/2009	2/25/2009	
Sample ID: ISA2736-05 (L1-W-dup - Solid)									
Reporting Units: mg/l									
Barium	6010B-TCLP	9B24161	0.20	6.7	1	100.0	2/24/2009	2/25/2009	B-1
Cadmium	6010B-TCLP	9B24161	0.10	0.34	1	1.0	2/24/2009	2/25/2009	
Chromium	6010B-TCLP	9B24161	0.10	0.13	1	5.0	2/24/2009	2/25/2009	
Lead	6010B-TCLP	9B24161	0.10	0.67	1	5.0	2/24/2009	2/25/2009	
Sample ID: ISA2736-06 (L2-N - Solid)									
Reporting Units: mg/l									
Barium	6010B-TCLP	9B24161	0.20	11	1	100.0	2/24/2009	2/25/2009	B-1
Cadmium	6010B-TCLP	9B24161	0.10	ND	1	1.0	2/24/2009	2/25/2009	
Chromium	6010B-TCLP	9B24161	0.10	0.21	1	5.0	2/24/2009	2/25/2009	
Lead	6010B-TCLP	9B24161	0.10	0.18	1	5.0	2/24/2009	2/25/2009	

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

TCLP METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	TCLP Limit	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-07 (L2-S - Solid)									
Reporting Units: mg/l									
Barium	6010B-TCLP	9B24161	0.20	7.8	1	100.0	2/24/2009	2/25/2009	B-1
Cadmium	6010B-TCLP	9B24161	0.10	ND	1	1.0	2/24/2009	2/25/2009	
Chromium	6010B-TCLP	9B24161	0.10	0.18	1	5.0	2/24/2009	2/25/2009	
Lead	6010B-TCLP	9B24161	0.10	0.35	1	5.0	2/24/2009	2/25/2009	
Sample ID: ISA2736-08 (L2-E - Solid)									
Reporting Units: mg/l									
Barium	6010B-TCLP	9B24161	0.20	17	1	100.0	2/24/2009	2/25/2009	B-1
Cadmium	6010B-TCLP	9B24161	0.10	ND	1	1.0	2/24/2009	2/25/2009	
Chromium	6010B-TCLP	9B24161	0.10	0.19	1	5.0	2/24/2009	2/25/2009	
Lead	6010B-TCLP	9B24161	0.10	16	1	5.0	2/24/2009	2/25/2009	
Sample ID: ISA2736-09 (L2-W - Solid)									
Reporting Units: mg/l									
Barium	6010B-TCLP	9B24161	0.20	27	1	100.0	2/24/2009	2/25/2009	B-1
Cadmium	6010B-TCLP	9B24161	0.10	ND	1	1.0	2/24/2009	2/25/2009	
Chromium	6010B-TCLP	9B24161	0.10	0.36	1	5.0	2/24/2009	2/25/2009	
Lead	6010B-TCLP	9B24161	0.10	0.76	1	5.0	2/24/2009	2/25/2009	
Sample ID: ISA2736-10 (L2-W-dup - Solid)									
Reporting Units: mg/l									
Barium	6010B-TCLP	9B24161	0.20	24	1	100.0	2/24/2009	2/25/2009	B-1
Cadmium	6010B-TCLP	9B24161	0.10	ND	1	1.0	2/24/2009	2/25/2009	
Chromium	6010B-TCLP	9B24161	0.10	0.26	1	5.0	2/24/2009	2/25/2009	
Lead	6010B-TCLP	9B24161	0.10	0.42	1	5.0	2/24/2009	2/25/2009	

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

STLC METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	STLC Limit	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-01 (L1-N - Solid)									
Reporting Units: mg/l									
Arsenic	6010B-STLC	9B22037	0.20	1.0	1	5.0	2/22/2009	2/23/2009	
Barium	6010B-STLC	9B22037	0.20	35	1	100	2/22/2009	2/23/2009	
Cadmium	6010B-STLC	9B22037	0.10	ND	1	1.0	2/22/2009	2/23/2009	
Chromium	6010B-STLC	9B22037	0.10	11	1	5.0	2/22/2009	2/23/2009	
Lead	6010B-STLC	9B22037	0.10	2.6	1	5.0	2/22/2009	2/23/2009	
Nickel	6010B-STLC	9B22037	0.20	0.33	1	20	2/22/2009	2/23/2009	
Zinc	6010B-STLC	9B22037	0.40	18	1	250	2/22/2009	2/23/2009	
Mercury	7470A-STLC	9C02075	0.0020	ND	1	0.20	3/2/2009	3/2/2009	

Sample ID: ISA2736-02 (L1-S - Solid)

Reporting Units: mg/l									
Arsenic	6010B-STLC	9B22037	0.20	0.84	1	5.0	2/22/2009	2/23/2009	
Barium	6010B-STLC	9B22037	0.20	40	1	100	2/22/2009	2/23/2009	
Cadmium	6010B-STLC	9B22037	0.10	ND	1	1.0	2/22/2009	2/23/2009	
Chromium	6010B-STLC	9B22037	0.10	3.8	1	5.0	2/22/2009	2/23/2009	
Lead	6010B-STLC	9B22037	0.10	26	1	5.0	2/22/2009	2/23/2009	

Sample ID: ISA2736-03 (L1-E - Solid)

Reporting Units: mg/l									
Arsenic	6010B-STLC	9B22037	0.20	1.2	1	5.0	2/22/2009	2/23/2009	
Barium	6010B-STLC	9B22037	0.20	38	1	100	2/22/2009	2/23/2009	
Cadmium	6010B-STLC	9B22037	0.10	ND	1	1.0	2/22/2009	2/23/2009	
Chromium	6010B-STLC	9B22037	0.10	13	1	5.0	2/22/2009	2/23/2009	
Lead	6010B-STLC	9B22037	0.10	1.2	1	5.0	2/22/2009	2/23/2009	

Sample ID: ISA2736-04 (L1-W - Solid)

Reporting Units: mg/l									
Arsenic	6010B-STLC	9B22037	0.20	1.0	1	5.0	2/22/2009	2/23/2009	
Barium	6010B-STLC	9B22037	0.20	24	1	100	2/22/2009	2/23/2009	
Cadmium	6010B-STLC	9B22037	0.10	2.5	1	1.0	2/22/2009	2/23/2009	
Chromium	6010B-STLC	9B22037	0.10	2.4	1	5.0	2/22/2009	2/23/2009	
Lead	6010B-STLC	9B22037	0.10	3.0	1	5.0	2/22/2009	2/23/2009	

Sample ID: ISA2736-05 (L1-W-dup - Solid)

Reporting Units: mg/l									
Arsenic	6010B-STLC	9B22037	0.20	0.53	1	5.0	2/22/2009	2/23/2009	
Barium	6010B-STLC	9B22037	0.20	21	1	100	2/22/2009	2/23/2009	
Cadmium	6010B-STLC	9B22037	0.10	0.88	1	1.0	2/22/2009	2/23/2009	
Chromium	6010B-STLC	9B22037	0.10	1.2	1	5.0	2/22/2009	2/23/2009	
Lead	6010B-STLC	9B22037	0.10	2.0	1	5.0	2/22/2009	2/23/2009	

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Geosyntec Consultants/Project Navigator - Ascon
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Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

STLC METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	STLC Limit	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISA2736-06 (L2-N - Solid)									
Reporting Units: mg/l									
Arsenic	6010B-STLC	9B22037	0.20	0.96	1	5.0	2/22/2009	2/23/2009	
Barium	6010B-STLC	9B22037	0.20	25	1	100	2/22/2009	2/23/2009	
Cadmium	6010B-STLC	9B22037	0.10	ND	1	1.0	2/22/2009	2/23/2009	
Chromium	6010B-STLC	9B22037	0.10	2.9	1	5.0	2/22/2009	2/23/2009	
Lead	6010B-STLC	9B22037	0.10	3.6	1	5.0	2/22/2009	2/23/2009	
Sample ID: ISA2736-07 (L2-S - Solid)									
Reporting Units: mg/l									
Arsenic	6010B-STLC	9B22037	0.20	1.6	1	5.0	2/22/2009	2/23/2009	
Barium	6010B-STLC	9B22037	0.20	27	1	100	2/22/2009	2/23/2009	
Cadmium	6010B-STLC	9B22037	0.10	ND	1	1.0	2/22/2009	2/23/2009	
Chromium	6010B-STLC	9B22037	0.10	3.0	1	5.0	2/22/2009	2/23/2009	
Lead	6010B-STLC	9B22037	0.10	0.18	1	5.0	2/22/2009	2/23/2009	
Sample ID: ISA2736-08 (L2-E - Solid)									
Reporting Units: mg/l									
Arsenic	6010B-STLC	9B22037	0.20	1.9	1	5.0	2/22/2009	2/23/2009	
Barium	6010B-STLC	9B22037	0.20	45	1	100	2/22/2009	2/23/2009	
Cadmium	6010B-STLC	9B22037	0.10	ND	1	1.0	2/22/2009	2/23/2009	
Chromium	6010B-STLC	9B22037	0.10	2.8	1	5.0	2/22/2009	2/23/2009	
Lead	6010B-STLC	9B22037	0.10	17	1	5.0	2/22/2009	2/23/2009	
Sample ID: ISA2736-09 (L2-W - Solid)									
Reporting Units: mg/l									
Arsenic	6010B-STLC	9B22037	0.20	0.88	1	5.0	2/22/2009	2/23/2009	
Barium	6010B-STLC	9B22037	0.20	47	1	100	2/22/2009	2/23/2009	
Cadmium	6010B-STLC	9B22037	0.10	ND	1	1.0	2/22/2009	2/23/2009	
Chromium	6010B-STLC	9B22037	0.10	5.4	1	5.0	2/22/2009	2/23/2009	
Lead	6010B-STLC	9B22037	0.10	0.25	1	5.0	2/22/2009	2/23/2009	
Sample ID: ISA2736-10 (L2-W-dup - Solid)									
Reporting Units: mg/l									
Arsenic	6010B-STLC	9B22037	0.20	1.2	1	5.0	2/22/2009	2/23/2009	
Barium	6010B-STLC	9B22037	0.20	56	1	100	2/22/2009	2/23/2009	
Cadmium	6010B-STLC	9B22037	0.10	ND	1	1.0	2/22/2009	2/23/2009	
Chromium	6010B-STLC	9B22037	0.10	4.4	1	5.0	2/22/2009	2/23/2009	
Lead	6010B-STLC	9B22037	0.10	0.24	1	5.0	2/22/2009	2/23/2009	

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Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

WASTE EXTRACTION TEST (STLC) - Metals/Inorganics

Analyte	Method	Batch	Extraction Start Date	Extraction End Date	Data Qualifiers
Sample ID: ISA2736-01 (L1-N - Solid) Extraction	STLC-Met	9B19151	2/19/2009	2/21/2009	
Sample ID: ISA2736-02 (L1-S - Solid) Extraction	STLC-Met	9B19151	2/19/2009	2/21/2009	
Sample ID: ISA2736-03 (L1-E - Solid) Extraction	STLC-Met	9B19151	2/19/2009	2/21/2009	
Sample ID: ISA2736-04 (L1-W - Solid) Extraction	STLC-Met	9B19151	2/19/2009	2/21/2009	
Sample ID: ISA2736-05 (L1-W-dup - Solid) Extraction	STLC-Met	9B19151	2/19/2009	2/21/2009	
Sample ID: ISA2736-06 (L2-N - Solid) Extraction	STLC-Met	9B19151	2/19/2009	2/21/2009	
Sample ID: ISA2736-07 (L2-S - Solid) Extraction	STLC-Met	9B19151	2/19/2009	2/21/2009	
Sample ID: ISA2736-08 (L2-E - Solid) Extraction	STLC-Met	9B19151	2/19/2009	2/21/2009	

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WASTE EXTRACTION TEST (STLC) - Metals/Inorganics

Analyte	Method	Batch	Extraction Start Date	Extraction End Date	Data Qualifiers
Sample ID: ISA2736-09 (L2-W - Solid)					
Extraction	STLC-Met	9B19151	2/19/2009	2/21/2009	
Sample ID: ISA2736-10 (L2-W-dup - Solid)					
Extraction	STLC-Met	9B19151	2/19/2009	2/21/2009	

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Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

TCLP EXTRACTION - Metals

Analyte	Method	Batch	Extraction Start Date	Extraction End Date	Data Qualifiers
Sample ID: ISA2736-01 (L1-N - Solid) Extraction	EPA 1311-Met	9B23121	2/23/2009	2/24/2009	
Sample ID: ISA2736-02 (L1-S - Solid) Extraction	EPA 1311-Met	9B23121	2/23/2009	2/24/2009	
Sample ID: ISA2736-03 (L1-E - Solid) Extraction	EPA 1311-Met	9B23121	2/23/2009	2/24/2009	
Sample ID: ISA2736-04 (L1-W - Solid) Extraction	EPA 1311-Met	9B23121	2/23/2009	2/24/2009	
Sample ID: ISA2736-05 (L1-W-dup - Solid) Extraction	EPA 1311-Met	9B23121	2/23/2009	2/24/2009	
Sample ID: ISA2736-06 (L2-N - Solid) Extraction	EPA 1311-Met	9B23121	2/23/2009	2/24/2009	
Sample ID: ISA2736-07 (L2-S - Solid) Extraction	EPA 1311-Met	9B23121	2/23/2009	2/24/2009	
Sample ID: ISA2736-08 (L2-E - Solid) Extraction	EPA 1311-Met	9B23121	2/23/2009	2/24/2009	

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ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

TCLP EXTRACTION - Metals

Analyte	Method	Batch	Extraction Start Date	Extraction End Date	Data Qualifiers
Sample ID: ISA2736-09 (L2-W - Solid)					
Extraction	EPA 1311-Met	9B23121	2/23/2009	2/24/2009	
Sample ID: ISA2736-10 (L2-W-dup - Solid)					
Extraction	EPA 1311-Met	9B23121	2/23/2009	2/24/2009	

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Project ID: Tar Analysis
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Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

HYDROCARBON DISTRIBUTION (CADHS/8015 Mod.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B02063 Extracted: 02/03/09										
Blank Analyzed: 02/04/2009 (9B02063-BLK1)										
EFH (C8 - C40)	ND	5.0	mg/kg							
EFH (C10 - C28)	ND	5.0	mg/kg							
Surrogate: n-Octacosane	5.94		mg/kg	6.67		89	40-125			
LCS Analyzed: 02/04/2009 (9B02063-BS1)										
EFH (C10 - C28)	26.4	5.0	mg/kg	33.3		79	45-115			
Surrogate: n-Octacosane	6.10		mg/kg	6.67		92	40-125			
Matrix Spike Analyzed: 02/04/2009 (9B02063-MS1)					Source: ISA2729-01					
EFH (C10 - C28)	29.1	5.0	mg/kg	33.3	ND	87	40-120			
Surrogate: n-Octacosane	6.12		mg/kg	6.66		92	40-125			
Matrix Spike Dup Analyzed: 02/04/2009 (9B02063-MSD1)					Source: ISA2729-01					
EFH (C10 - C28)	28.1	5.0	mg/kg	33.3	ND	84	40-120	4	30	
Surrogate: n-Octacosane	5.98		mg/kg	6.66		90	40-125			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 9B03005 Extracted: 02/03/09</u>										
Blank Analyzed: 02/03/2009 (9B03005-BLK1)										
Benzene	ND	100	ug/kg							
Bromobenzene	ND	250	ug/kg							
Bromochloromethane	ND	250	ug/kg							
Bromodichloromethane	ND	100	ug/kg							
Bromoform	ND	250	ug/kg							
Bromomethane	ND	250	ug/kg							
n-Butylbenzene	ND	250	ug/kg							
sec-Butylbenzene	ND	250	ug/kg							
tert-Butylbenzene	ND	250	ug/kg							
Carbon tetrachloride	ND	250	ug/kg							
Chlorobenzene	ND	100	ug/kg							
Chloroethane	ND	250	ug/kg							
Chloroform	ND	100	ug/kg							
Chloromethane	ND	250	ug/kg							
2-Chlorotoluene	ND	250	ug/kg							
4-Chlorotoluene	ND	250	ug/kg							
1,2-Dibromo-3-chloropropane	ND	250	ug/kg							
Dibromochloromethane	ND	100	ug/kg							
1,2-Dibromoethane (EDB)	ND	100	ug/kg							
Dibromomethane	ND	100	ug/kg							
1,2-Dichlorobenzene	ND	100	ug/kg							
1,3-Dichlorobenzene	ND	100	ug/kg							
1,4-Dichlorobenzene	ND	100	ug/kg							
Dichlorodifluoromethane	ND	200	ug/kg							
1,1-Dichloroethane	ND	100	ug/kg							
1,2-Dichloroethane	ND	100	ug/kg							
1,1-Dichloroethene	ND	250	ug/kg							
cis-1,2-Dichloroethene	ND	100	ug/kg							
trans-1,2-Dichloroethene	ND	100	ug/kg							
1,2-Dichloropropane	ND	100	ug/kg							
1,3-Dichloropropane	ND	100	ug/kg							
2,2-Dichloropropane	ND	100	ug/kg							
cis-1,3-Dichloropropene	ND	100	ug/kg							
trans-1,3-Dichloropropene	ND	100	ug/kg							
1,1-Dichloropropene	ND	100	ug/kg							
Ethylbenzene	ND	100	ug/kg							

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ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B03005 Extracted: 02/03/09										
Blank Analyzed: 02/03/2009 (9B03005-BLK1)										
Hexachlorobutadiene	ND	250	ug/kg							
Isopropylbenzene	ND	100	ug/kg							
p-Isopropyltoluene	ND	100	ug/kg							
Methylene chloride	ND	1000	ug/kg							
Naphthalene	ND	250	ug/kg							
n-Propylbenzene	ND	100	ug/kg							
Styrene	ND	100	ug/kg							
1,1,1,2-Tetrachloroethane	ND	250	ug/kg							
1,1,2,2-Tetrachloroethane	ND	100	ug/kg							
Tetrachloroethene	ND	100	ug/kg							
Toluene	ND	100	ug/kg							
1,2,3-Trichlorobenzene	ND	250	ug/kg							
1,2,4-Trichlorobenzene	ND	250	ug/kg							
1,1,1-Trichloroethane	ND	100	ug/kg							
1,1,2-Trichloroethane	ND	100	ug/kg							
Trichloroethene	ND	100	ug/kg							
Trichlorofluoromethane	ND	250	ug/kg							
1,2,3-Trichloropropane	ND	500	ug/kg							
1,2,4-Trimethylbenzene	ND	100	ug/kg							
1,3,5-Trimethylbenzene	ND	100	ug/kg							
Vinyl chloride	ND	250	ug/kg							
m,p-Xylenes	ND	100	ug/kg							
o-Xylene	ND	100	ug/kg							
Surrogate: 4-Bromofluorobenzene	2200		ug/kg	2500		88	65-140			
Surrogate: Dibromofluoromethane	2140		ug/kg	2500		86	55-140			
Surrogate: Toluene-d8	2230		ug/kg	2500		89	60-140			

LCS Analyzed: 02/03/2009 (9B03005-BS1)

Benzene	2660	100	ug/kg	2500		106	65-120			
Bromobenzene	2770	250	ug/kg	2500		111	70-120			
Bromochloromethane	2710	250	ug/kg	2500		108	65-125			
Bromodichloromethane	2520	100	ug/kg	2500		101	65-135			
Bromoform	2480	250	ug/kg	2500		99	50-130			
Bromomethane	2030	250	ug/kg	2500		81	30-140			
n-Butylbenzene	2920	250	ug/kg	2500		117	70-130			
sec-Butylbenzene	2910	250	ug/kg	2500		116	70-125			

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Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B03005 Extracted: 02/03/09										
LCS Analyzed: 02/03/2009 (9B03005-BS1)										
tert-Butylbenzene	2780	250	ug/kg	2500		111	70-125			
Carbon tetrachloride	2480	250	ug/kg	2500		99	65-145			
Chlorobenzene	2650	100	ug/kg	2500		106	70-125			
Chloroethane	2120	250	ug/kg	2500		85	40-140			
Chloroform	2480	100	ug/kg	2500		99	75-130			
Chloromethane	2000	250	ug/kg	2500		80	30-140			
2-Chlorotoluene	2680	250	ug/kg	2500		107	70-125			
4-Chlorotoluene	2730	250	ug/kg	2500		109	70-125			
1,2-Dibromo-3-chloropropane	2380	250	ug/kg	2500		95	45-135			
Dibromochloromethane	2540	100	ug/kg	2500		101	65-140			
1,2-Dibromoethane (EDB)	2490	100	ug/kg	2500		100	70-130			
Dibromomethane	2610	100	ug/kg	2500		104	65-130			
1,2-Dichlorobenzene	2690	100	ug/kg	2500		108	70-120			
1,3-Dichlorobenzene	2600	100	ug/kg	2500		104	70-125			
1,4-Dichlorobenzene	2450	100	ug/kg	2500		98	70-125			
Dichlorodifluoromethane	1530	200	ug/kg	2500		61	10-155			
1,1-Dichloroethane	2500	100	ug/kg	2500		100	65-130			
1,2-Dichloroethane	2290	100	ug/kg	2500		92	60-145			
1,1-Dichloroethene	2480	250	ug/kg	2500		99	75-140			
cis-1,2-Dichloroethene	2500	100	ug/kg	2500		100	65-130			
trans-1,2-Dichloroethene	2200	100	ug/kg	2500		88	65-130			
1,2-Dichloropropane	2630	100	ug/kg	2500		105	75-125			
1,3-Dichloropropane	2670	100	ug/kg	2500		107	65-130			
2,2-Dichloropropane	2600	100	ug/kg	2500		104	60-145			
cis-1,3-Dichloropropene	3080	100	ug/kg	2500		123	70-130			
trans-1,3-Dichloropropene	2300	100	ug/kg	2500		92	65-135			
1,1-Dichloropropene	2770	100	ug/kg	2500		111	70-130			
Ethylbenzene	2710	100	ug/kg	2500		108	80-120			
Hexachlorobutadiene	2700	250	ug/kg	2500		108	60-135			
Isopropylbenzene	2810	100	ug/kg	2500		112	70-125			
p-Isopropyltoluene	2830	100	ug/kg	2500		113	70-125			
Methylene chloride	2390	1000	ug/kg	2500		96	60-140			
Naphthalene	2890	250	ug/kg	2500		115	50-140			
n-Propylbenzene	2930	100	ug/kg	2500		117	70-130			
Styrene	2780	100	ug/kg	2500		111	70-135			
1,1,1,2-Tetrachloroethane	2510	250	ug/kg	2500		101	70-140			

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B03005 Extracted: 02/03/09										
LCS Analyzed: 02/03/2009 (9B03005-BS1)										
1,1,2,2-Tetrachloroethane	2800	100	ug/kg	2500		112	55-135			
Tetrachloroethene	2610	100	ug/kg	2500		104	65-125			
Toluene	2720	100	ug/kg	2500		109	80-120			
1,2,3-Trichlorobenzene	2930	250	ug/kg	2500		117	60-135			
1,2,4-Trichlorobenzene	2990	250	ug/kg	2500		120	65-135			
1,1,1-Trichloroethane	2510	100	ug/kg	2500		100	65-140			
1,1,2-Trichloroethane	2590	100	ug/kg	2500		104	65-130			
Trichloroethene	2540	100	ug/kg	2500		102	70-130			
Trichlorofluoromethane	2180	250	ug/kg	2500		87	50-145			
1,2,3-Trichloropropane	2510	500	ug/kg	2500		100	55-130			
1,2,4-Trimethylbenzene	2830	100	ug/kg	2500		113	70-125			
1,3,5-Trimethylbenzene	2810	100	ug/kg	2500		112	70-125			
Vinyl chloride	530	250	ug/kg	2500		21	10-120			
m,p-Xylenes	5750	100	ug/kg	5000		115	70-125			
o-Xylene	2870	100	ug/kg	2500		115	70-125			
Surrogate: 4-Bromofluorobenzene	2140		ug/kg	2500		85	65-140			
Surrogate: Dibromofluoromethane	1990		ug/kg	2500		79	55-140			
Surrogate: Toluene-d8	2020		ug/kg	2500		81	60-140			
LCS Dup Analyzed: 02/03/2009 (9B03005-BSD1)										
Benzene	2710	100	ug/kg	2500		108	65-120	2	20	
Bromobenzene	2820	250	ug/kg	2500		113	70-120	2	20	
Bromochloromethane	2740	250	ug/kg	2500		110	65-125	1	20	
Bromodichloromethane	2580	100	ug/kg	2500		103	65-135	3	20	
Bromoform	2500	250	ug/kg	2500		100	50-130	0	25	
Bromomethane	2080	250	ug/kg	2500		83	30-140	2	30	
n-Butylbenzene	2960	250	ug/kg	2500		118	70-130	1	20	
sec-Butylbenzene	2960	250	ug/kg	2500		118	70-125	2	20	
tert-Butylbenzene	2810	250	ug/kg	2500		112	70-125	1	20	
Carbon tetrachloride	2460	250	ug/kg	2500		98	65-145	1	20	
Chlorobenzene	2720	100	ug/kg	2500		109	70-125	2	20	
Chloroethane	2220	250	ug/kg	2500		89	40-140	5	25	
Chloroform	2590	100	ug/kg	2500		104	75-130	4	20	
Chloromethane	2020	250	ug/kg	2500		81	30-140	1	25	
2-Chlorotoluene	2700	250	ug/kg	2500		108	70-125	1	20	
4-Chlorotoluene	2720	250	ug/kg	2500		109	70-125	0	20	

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B03005 Extracted: 02/03/09										
LCS Dup Analyzed: 02/03/2009 (9B03005-BSD1)										
1,2-Dibromo-3-chloropropane	2410	250	ug/kg	2500		96	45-135	1	25	
Dibromochloromethane	2600	100	ug/kg	2500		104	65-140	2	20	
1,2-Dibromoethane (EDB)	2590	100	ug/kg	2500		104	70-130	4	20	
Dibromomethane	2630	100	ug/kg	2500		105	65-130	1	20	
1,2-Dichlorobenzene	2700	100	ug/kg	2500		108	70-120	0	20	
1,3-Dichlorobenzene	2680	100	ug/kg	2500		107	70-125	3	20	
1,4-Dichlorobenzene	2440	100	ug/kg	2500		98	70-125	0	20	
Dichlorodifluoromethane	1480	200	ug/kg	2500		59	10-155	3	30	
1,1-Dichloroethane	2580	100	ug/kg	2500		103	65-130	3	20	
1,2-Dichloroethane	2260	100	ug/kg	2500		90	60-145	1	20	
1,1-Dichloroethene	2640	250	ug/kg	2500		106	75-140	6	20	
cis-1,2-Dichloroethene	2640	100	ug/kg	2500		106	65-130	5	20	
trans-1,2-Dichloroethene	2270	100	ug/kg	2500		91	65-130	3	20	
1,2-Dichloropropane	2720	100	ug/kg	2500		109	75-125	3	20	
1,3-Dichloropropane	2720	100	ug/kg	2500		109	65-130	2	20	
2,2-Dichloropropane	2680	100	ug/kg	2500		107	60-145	3	25	
cis-1,3-Dichloropropene	3220	100	ug/kg	2500		129	70-130	4	20	
trans-1,3-Dichloropropene	2360	100	ug/kg	2500		94	65-135	3	20	
1,1-Dichloropropene	2870	100	ug/kg	2500		115	70-130	4	20	
Ethylbenzene	2760	100	ug/kg	2500		110	80-120	2	20	
Hexachlorobutadiene	2790	250	ug/kg	2500		112	60-135	3	20	
Isopropylbenzene	2850	100	ug/kg	2500		114	70-125	1	20	
p-Isopropyltoluene	2880	100	ug/kg	2500		115	70-125	2	20	
Methylene chloride	2490	1000	ug/kg	2500		100	60-140	4	20	
Naphthalene	2910	250	ug/kg	2500		116	50-140	1	25	
n-Propylbenzene	2950	100	ug/kg	2500		118	70-130	1	20	
Styrene	2810	100	ug/kg	2500		112	70-135	1	20	
1,1,1,2-Tetrachloroethane	2580	250	ug/kg	2500		103	70-140	3	20	
1,1,2,2-Tetrachloroethane	2760	100	ug/kg	2500		110	55-135	2	25	
Tetrachloroethene	2710	100	ug/kg	2500		108	65-125	4	20	
Toluene	2760	100	ug/kg	2500		110	80-120	1	20	
1,2,3-Trichlorobenzene	2990	250	ug/kg	2500		119	60-135	2	20	
1,2,4-Trichlorobenzene	3030	250	ug/kg	2500		121	65-135	1	20	
1,1,1-Trichloroethane	2530	100	ug/kg	2500		101	65-140	1	20	
1,1,2-Trichloroethane	2680	100	ug/kg	2500		107	65-130	3	20	
Trichloroethene	2600	100	ug/kg	2500		104	70-130	2	20	

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B03005 Extracted: 02/03/09										
LCS Dup Analyzed: 02/03/2009 (9B03005-BSD1)										
Trichlorofluoromethane	2220	250	ug/kg	2500		89	50-145	2	25	
1,2,3-Trichloropropane	2490	500	ug/kg	2500		100	55-130	1	25	
1,2,4-Trimethylbenzene	2870	100	ug/kg	2500		115	70-125	1	20	
1,3,5-Trimethylbenzene	2860	100	ug/kg	2500		114	70-125	2	20	
Vinyl chloride	544	250	ug/kg	2500		22	10-120	3	30	
m,p-Xylenes	5810	100	ug/kg	5000		116	70-125	1	20	
o-Xylene	2910	100	ug/kg	2500		116	70-125	1	20	
Surrogate: 4-Bromofluorobenzene	2270		ug/kg	2500		91	65-140			
Surrogate: Dibromofluoromethane	2120		ug/kg	2500		85	55-140			
Surrogate: Toluene-d8	2120		ug/kg	2500		85	60-140			

Matrix Spike Analyzed: 02/03/2009 (9B03005-MS1)

Source: ISA2729-10

Benzene	2590	100	ug/kg	2500	ND	103	55-140			
Bromobenzene	2680	250	ug/kg	2500	ND	107	60-140			
Bromochloromethane	2500	250	ug/kg	2500	ND	100	60-145			
Bromodichloromethane	2510	100	ug/kg	2500	ND	100	60-150			
Bromoform	2610	250	ug/kg	2500	ND	104	50-140			
Bromomethane	1860	250	ug/kg	2500	ND	74	30-140			
n-Butylbenzene	2820	250	ug/kg	2500	335	99	55-155			
sec-Butylbenzene	2700	250	ug/kg	2500	141	102	55-145			
tert-Butylbenzene	2510	250	ug/kg	2500	ND	100	65-150			
Carbon tetrachloride	2390	250	ug/kg	2500	ND	96	65-145			
Chlorobenzene	2560	100	ug/kg	2500	ND	102	65-145			
Chloroethane	1900	250	ug/kg	2500	ND	76	35-140			
Chloroform	2210	100	ug/kg	2500	ND	88	60-140			
Chloromethane	1600	250	ug/kg	2500	ND	64	25-140			
2-Chlorotoluene	2390	250	ug/kg	2500	ND	96	60-145			
4-Chlorotoluene	2500	250	ug/kg	2500	ND	100	65-140			
1,2-Dibromo-3-chloropropane	2290	250	ug/kg	2500	ND	92	40-160			
Dibromochloromethane	2500	100	ug/kg	2500	ND	100	55-150			
1,2-Dibromoethane (EDB)	2440	100	ug/kg	2500	ND	98	65-145			
Dibromomethane	2520	100	ug/kg	2500	ND	101	65-135			
1,2-Dichlorobenzene	2500	100	ug/kg	2500	ND	100	60-135			
1,3-Dichlorobenzene	2540	100	ug/kg	2500	ND	102	60-145			
1,4-Dichlorobenzene	2300	100	ug/kg	2500	ND	92	60-140			
Dichlorodifluoromethane	1140	200	ug/kg	2500	ND	46	10-155			

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Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B03005 Extracted: 02/03/09										
Matrix Spike Analyzed: 02/03/2009 (9B03005-MS1)				Source: ISA2729-10						
1,1-Dichloroethane	2190	100	ug/kg	2500	ND	87	60-145			
1,2-Dichloroethane	2120	100	ug/kg	2500	ND	85	60-145			
1,1-Dichloroethene	2320	250	ug/kg	2500	ND	93	55-155			
cis-1,2-Dichloroethene	2190	100	ug/kg	2500	ND	88	55-135			
trans-1,2-Dichloroethene	1960	100	ug/kg	2500	ND	78	55-145			
1,2-Dichloropropane	2430	100	ug/kg	2500	ND	97	60-140			
1,3-Dichloropropane	2490	100	ug/kg	2500	ND	100	65-135			
2,2-Dichloropropane	2120	100	ug/kg	2500	ND	85	50-150			
cis-1,3-Dichloropropene	2890	100	ug/kg	2500	ND	115	65-140			
trans-1,3-Dichloropropene	2290	100	ug/kg	2500	ND	92	60-145			
1,1-Dichloropropene	2700	100	ug/kg	2500	ND	108	60-140			
Ethylbenzene	3110	100	ug/kg	2500	631	99	50-150			
Hexachlorobutadiene	2720	250	ug/kg	2500	ND	109	55-145			
Isopropylbenzene	2620	100	ug/kg	2500	191	97	65-145			
p-Isopropyltoluene	2730	100	ug/kg	2500	192	102	60-140			
Methylene chloride	2140	1000	ug/kg	2500	ND	85	55-145			
Naphthalene	2920	250	ug/kg	2500	368	102	35-160			
n-Propylbenzene	2960	100	ug/kg	2500	512	98	50-150			
Styrene	2560	100	ug/kg	2500	ND	102	60-150			
1,1,1,2-Tetrachloroethane	2410	250	ug/kg	2500	ND	96	60-150			
1,1,2,2-Tetrachloroethane	2410	100	ug/kg	2500	ND	96	50-145			
Tetrachloroethene	2720	100	ug/kg	2500	ND	109	60-150			
Toluene	2480	100	ug/kg	2500	ND	99	55-140			
1,2,3-Trichlorobenzene	2660	250	ug/kg	2500	ND	107	50-140			
1,2,4-Trichlorobenzene	2800	250	ug/kg	2500	ND	112	60-140			
1,1,1-Trichloroethane	2210	100	ug/kg	2500	ND	89	60-140			
1,1,2-Trichloroethane	2680	100	ug/kg	2500	ND	107	60-145			
Trichloroethene	2530	100	ug/kg	2500	ND	101	65-150			
Trichlorofluoromethane	1990	250	ug/kg	2500	ND	80	35-150			
1,2,3-Trichloropropane	2370	500	ug/kg	2500	ND	95	50-145			
1,2,4-Trimethylbenzene	3820	100	ug/kg	2500	1470	94	60-140			
1,3,5-Trimethylbenzene	2850	100	ug/kg	2500	394	98	65-140			
Vinyl chloride	366	250	ug/kg	2500	ND	15	10-120			
m,p-Xylenes	5960	100	ug/kg	5000	979	100	60-145			
o-Xylene	2610	100	ug/kg	2500	58.9	102	55-145			
Surrogate: 4-Bromofluorobenzene	2520		ug/kg	2500		101	65-140			

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
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Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B03005 Extracted: 02/03/09										
Matrix Spike Analyzed: 02/03/2009 (9B03005-MS1)					Source: ISA2729-10					
Surrogate: Dibromofluoromethane	2200		ug/kg	2500		88	55-140			
Surrogate: Toluene-d8	2540		ug/kg	2500		102	60-140			
Matrix Spike Dup Analyzed: 02/03/2009 (9B03005-MSD1)					Source: ISA2729-10					
Benzene	2450	100	ug/kg	2500	ND	98	55-140	5	25	
Bromobenzene	2550	250	ug/kg	2500	ND	102	60-140	5	25	
Bromochloromethane	2400	250	ug/kg	2500	ND	96	60-145	4	25	
Bromodichloromethane	2460	100	ug/kg	2500	ND	98	60-150	2	25	
Bromoform	2560	250	ug/kg	2500	ND	103	50-140	2	30	
Bromomethane	1770	250	ug/kg	2500	ND	71	30-140	5	30	
n-Butylbenzene	2650	250	ug/kg	2500	335	93	55-155	6	25	
sec-Butylbenzene	2500	250	ug/kg	2500	141	94	55-145	8	25	
tert-Butylbenzene	2440	250	ug/kg	2500	ND	98	65-150	3	25	
Carbon tetrachloride	2280	250	ug/kg	2500	ND	91	65-145	5	25	
Chlorobenzene	2440	100	ug/kg	2500	ND	98	65-145	5	25	
Chloroethane	1760	250	ug/kg	2500	ND	70	35-140	8	30	
Chloroform	2120	100	ug/kg	2500	ND	85	60-140	4	25	
Chloromethane	1510	250	ug/kg	2500	ND	60	25-140	6	30	
2-Chlorotoluene	2220	250	ug/kg	2500	ND	89	60-145	8	25	
4-Chlorotoluene	2380	250	ug/kg	2500	ND	95	65-140	5	25	
1,2-Dibromo-3-chloropropane	2150	250	ug/kg	2500	ND	86	40-160	6	30	
Dibromochloromethane	2430	100	ug/kg	2500	ND	97	55-150	3	25	
1,2-Dibromoethane (EDB)	2340	100	ug/kg	2500	ND	94	65-145	4	25	
Dibromomethane	2420	100	ug/kg	2500	ND	97	65-135	4	25	
1,2-Dichlorobenzene	2460	100	ug/kg	2500	ND	98	60-135	2	25	
1,3-Dichlorobenzene	2360	100	ug/kg	2500	ND	95	60-145	7	25	
1,4-Dichlorobenzene	2240	100	ug/kg	2500	ND	90	60-140	3	25	
Dichlorodifluoromethane	1030	200	ug/kg	2500	ND	41	10-155	11	35	
1,1-Dichloroethane	2080	100	ug/kg	2500	ND	83	60-145	5	25	
1,2-Dichloroethane	2290	100	ug/kg	2500	ND	92	60-145	8	25	
1,1-Dichloroethene	2210	250	ug/kg	2500	ND	89	55-155	5	25	
cis-1,2-Dichloroethene	2140	100	ug/kg	2500	ND	86	55-135	2	25	
trans-1,2-Dichloroethene	1860	100	ug/kg	2500	ND	74	55-145	5	25	
1,2-Dichloropropane	2320	100	ug/kg	2500	ND	93	60-140	5	25	
1,3-Dichloropropane	2300	100	ug/kg	2500	ND	92	65-135	8	25	
2,2-Dichloropropane	1970	100	ug/kg	2500	ND	79	50-150	7	25	

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Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B03005 Extracted: 02/03/09										
Matrix Spike Dup Analyzed: 02/03/2009 (9B03005-MSD1)					Source: ISA2729-10					
cis-1,3-Dichloropropene	2780	100	ug/kg	2500	ND	111	65-140	4	25	
trans-1,3-Dichloropropene	2170	100	ug/kg	2500	ND	87	60-145	5	25	
1,1-Dichloropropene	2620	100	ug/kg	2500	ND	105	60-140	3	25	
Ethylbenzene	3180	100	ug/kg	2500	631	102	50-150	2	25	
Hexachlorobutadiene	2620	250	ug/kg	2500	ND	105	55-145	4	35	
Isopropylbenzene	2510	100	ug/kg	2500	191	93	65-145	4	25	
p-Isopropyltoluene	2630	100	ug/kg	2500	192	98	60-140	4	25	
Methylene chloride	2050	1000	ug/kg	2500	ND	82	55-145	4	25	
Naphthalene	2740	250	ug/kg	2500	368	95	35-160	6	30	
n-Propylbenzene	2870	100	ug/kg	2500	512	94	50-150	3	25	
Styrene	2420	100	ug/kg	2500	ND	97	60-150	6	25	
1,1,1,2-Tetrachloroethane	2390	250	ug/kg	2500	ND	96	60-150	1	20	
1,1,2,2-Tetrachloroethane	2280	100	ug/kg	2500	ND	91	50-145	5	25	
Tetrachloroethene	2680	100	ug/kg	2500	ND	107	60-150	1	25	
Toluene	2400	100	ug/kg	2500	ND	96	55-140	3	25	
1,2,3-Trichlorobenzene	2510	250	ug/kg	2500	ND	100	50-140	6	25	
1,2,4-Trichlorobenzene	2630	250	ug/kg	2500	ND	105	60-140	6	25	
1,1,1-Trichloroethane	2080	100	ug/kg	2500	ND	83	60-140	6	20	
1,1,2-Trichloroethane	2440	100	ug/kg	2500	ND	98	60-145	9	25	
Trichloroethene	2530	100	ug/kg	2500	ND	101	65-150	0	25	
Trichlorofluoromethane	1830	250	ug/kg	2500	ND	73	35-150	8	30	
1,2,3-Trichloropropane	2200	500	ug/kg	2500	ND	88	50-145	7	30	
1,2,4-Trimethylbenzene	3530	100	ug/kg	2500	1470	82	60-140	8	25	
1,3,5-Trimethylbenzene	2640	100	ug/kg	2500	394	90	65-140	7	25	
Vinyl chloride	367	250	ug/kg	2500	ND	15	10-120	0	35	
m,p-Xylenes	5880	100	ug/kg	5000	979	98	60-145	1	25	
o-Xylene	2500	100	ug/kg	2500	58.9	98	55-145	4	25	
Surrogate: 4-Bromofluorobenzene	2530		ug/kg	2500		101	65-140			
Surrogate: Dibromofluoromethane	2110		ug/kg	2500		85	55-140			
Surrogate: Toluene-d8	2430		ug/kg	2500		97	60-140			

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B02052 Extracted: 02/02/09										
Blank Analyzed: 02/02/2009 (9B02052-BLK1)										
Acenaphthene	ND	330	ug/kg							
Acenaphthylene	ND	330	ug/kg							
Aniline	ND	420	ug/kg							
Anthracene	ND	330	ug/kg							
Benzidine	ND	660	ug/kg							
Benzo(a)anthracene	ND	330	ug/kg							
Benzo(a)pyrene	ND	330	ug/kg							
Benzo(b)fluoranthene	ND	330	ug/kg							
Benzo(g,h,i)perylene	ND	330	ug/kg							
Benzo(k)fluoranthene	ND	330	ug/kg							
Benzoic acid	ND	830	ug/kg							
Benzyl alcohol	ND	330	ug/kg							
4-Bromophenyl phenyl ether	ND	330	ug/kg							
Butyl benzyl phthalate	ND	330	ug/kg							
4-Chloro-3-methylphenol	ND	330	ug/kg							
4-Chloroaniline	ND	330	ug/kg							
Bis(2-chloroethoxy)methane	ND	330	ug/kg							
Bis(2-chloroethyl)ether	ND	170	ug/kg							
Bis(2-chloroisopropyl)ether	ND	330	ug/kg							
2-Chloronaphthalene	ND	330	ug/kg							
2-Chlorophenol	ND	330	ug/kg							
4-Chlorophenyl phenyl ether	ND	330	ug/kg							
Chrysene	ND	330	ug/kg							
Dibenz(a,h)anthracene	ND	420	ug/kg							
Dibenzofuran	ND	330	ug/kg							
Di-n-butyl phthalate	ND	330	ug/kg							
1,2-Dichlorobenzene	ND	330	ug/kg							
1,3-Dichlorobenzene	ND	330	ug/kg							
1,4-Dichlorobenzene	ND	330	ug/kg							
3,3'-Dichlorobenzidine	ND	830	ug/kg							
2,4-Dichlorophenol	ND	330	ug/kg							
Diethyl phthalate	ND	330	ug/kg							
2,4-Dimethylphenol	ND	330	ug/kg							
Dimethyl phthalate	ND	330	ug/kg							
4,6-Dinitro-2-methylphenol	ND	420	ug/kg							
2,4-Dinitrophenol	ND	660	ug/kg							

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Geosyntec Consultants/Project Navigator - Ascon
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Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B02052 Extracted: 02/02/09										
Blank Analyzed: 02/02/2009 (9B02052-BLK1)										
2,4-Dinitrotoluene	ND	330	ug/kg							
2,6-Dinitrotoluene	ND	330	ug/kg							
Di-n-octyl phthalate	ND	330	ug/kg							
1,2-Diphenylhydrazine/Azobenzene	ND	330	ug/kg							
Bis(2-ethylhexyl)phthalate	ND	330	ug/kg							
Fluoranthene	ND	330	ug/kg							
Fluorene	ND	330	ug/kg							
Hexachlorobenzene	ND	330	ug/kg							
Hexachlorobutadiene	ND	330	ug/kg							
Hexachlorocyclopentadiene	ND	830	ug/kg							
Hexachloroethane	ND	330	ug/kg							
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg							
Isophorone	ND	330	ug/kg							
2-Methylnaphthalene	ND	330	ug/kg							
2-Methylphenol	ND	330	ug/kg							
4-Methylphenol	ND	330	ug/kg							
Naphthalene	ND	330	ug/kg							
2-Nitroaniline	ND	330	ug/kg							
3-Nitroaniline	ND	330	ug/kg							
4-Nitroaniline	ND	830	ug/kg							
Nitrobenzene	ND	330	ug/kg							
2-Nitrophenol	ND	330	ug/kg							
4-Nitrophenol	ND	830	ug/kg							
N-Nitroso-di-n-propylamine	ND	250	ug/kg							
N-Nitrosodiphenylamine	ND	330	ug/kg							
Pentachlorophenol	ND	830	ug/kg							
Phenanthrene	ND	330	ug/kg							
Phenol	ND	330	ug/kg							
Pyrene	ND	330	ug/kg							
1,2,4-Trichlorobenzene	ND	330	ug/kg							
2,4,5-Trichlorophenol	ND	330	ug/kg							
2,4,6-Trichlorophenol	ND	330	ug/kg							
Surrogate: 2,4,6-Tribromophenol	5660		ug/kg	6670		85	35-125			
Surrogate: 2-Fluorobiphenyl	2800		ug/kg	3330		84	35-120			
Surrogate: 2-Fluorophenol	4850		ug/kg	6670		73	25-120			
Surrogate: Nitrobenzene-d5	2550		ug/kg	3330		76	30-120			

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2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B02052 Extracted: 02/02/09										
Blank Analyzed: 02/02/2009 (9B02052-BLK1)										
Surrogate: Phenol-d6	5180		ug/kg	6670		78	35-120			
Surrogate: Terphenyl-d14	3180		ug/kg	3330		95	40-135			
LCS Analyzed: 02/02/2009 (9B02052-BS1)										
Acenaphthene	2940	330	ug/kg	3330		88	50-120			
Acenaphthylene	3160	330	ug/kg	3330		95	50-120			
Aniline	2560	420	ug/kg	3330		77	25-120			
Anthracene	3140	330	ug/kg	3330		94	55-120			
Benzidine	2690	660	ug/kg	3330		81	20-120			
Benzo(a)anthracene	3480	330	ug/kg	3330		104	55-120			
Benzo(a)pyrene	3450	330	ug/kg	3330		104	50-125			
Benzo(b)fluoranthene	3220	330	ug/kg	3330		97	45-125			
Benzo(g,h,i)perylene	3060	330	ug/kg	3330		92	35-130			
Benzo(k)fluoranthene	3410	330	ug/kg	3330		102	45-125			
Benzoic acid	2610	830	ug/kg	3330		78	20-120			
Benzyl alcohol	3000	330	ug/kg	3330		90	35-120			
4-Bromophenyl phenyl ether	3090	330	ug/kg	3330		93	45-120			
Butyl benzyl phthalate	3020	330	ug/kg	3330		91	50-125			
4-Chloro-3-methylphenol	2940	330	ug/kg	3330		88	50-125			
4-Chloroaniline	2450	330	ug/kg	3330		74	20-120			
Bis(2-chloroethoxy)methane	2850	330	ug/kg	3330		86	45-120			
Bis(2-chloroethyl)ether	2620	170	ug/kg	3330		79	35-120			
Bis(2-chloroisopropyl)ether	2820	330	ug/kg	3330		85	40-120			
2-Chloronaphthalene	3010	330	ug/kg	3330		90	45-120			
2-Chlorophenol	2690	330	ug/kg	3330		81	40-120			
4-Chlorophenyl phenyl ether	3070	330	ug/kg	3330		92	55-120			
Chrysene	3420	330	ug/kg	3330		102	55-120			
Dibenz(a,h)anthracene	3280	420	ug/kg	3330		98	40-135			
Dibenzofuran	3160	330	ug/kg	3330		95	55-120			
Di-n-butyl phthalate	3450	330	ug/kg	3330		104	50-125			
1,2-Dichlorobenzene	2690	330	ug/kg	3330		81	40-120			
1,3-Dichlorobenzene	2590	330	ug/kg	3330		78	35-120			
1,4-Dichlorobenzene	2610	330	ug/kg	3330		78	35-120			
3,3'-Dichlorobenzidine	3070	830	ug/kg	3330		92	20-130			
2,4-Dichlorophenol	3170	330	ug/kg	3330		95	45-120			
Diethyl phthalate	3140	330	ug/kg	3330		94	50-125			

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Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B02052 Extracted: 02/02/09										
LCS Analyzed: 02/02/2009 (9B02052-BS1)										
2,4-Dimethylphenol	2660	330	ug/kg	3330		80	40-120			
Dimethyl phthalate	3020	330	ug/kg	3330		91	50-125			
4,6-Dinitro-2-methylphenol	2880	420	ug/kg	3330		87	40-120			
2,4-Dinitrophenol	2550	660	ug/kg	3330		77	25-120			
2,4-Dinitrotoluene	3140	330	ug/kg	3330		94	55-125			
2,6-Dinitrotoluene	3030	330	ug/kg	3330		91	55-125			
Di-n-octyl phthalate	3530	330	ug/kg	3330		106	50-135			
1,2-Diphenylhydrazine/Azobenzene	3080	330	ug/kg	3330		92	50-125			
Bis(2-ethylhexyl)phthalate	3590	330	ug/kg	3330		108	50-130			
Fluoranthene	3350	330	ug/kg	3330		100	55-120			
Fluorene	3150	330	ug/kg	3330		95	55-120			
Hexachlorobenzene	2980	330	ug/kg	3330		89	50-120			
Hexachlorobutadiene	2890	330	ug/kg	3330		87	40-120			
Hexachlorocyclopentadiene	2770	830	ug/kg	3330		83	30-125			
Hexachloroethane	2600	330	ug/kg	3330		78	40-120			
Indeno(1,2,3-cd)pyrene	3180	330	ug/kg	3330		95	30-135			
Isophorone	2650	330	ug/kg	3330		80	40-120			
2-Methylnaphthalene	3020	330	ug/kg	3330		91	45-120			
2-Methylphenol	2860	330	ug/kg	3330		86	40-120			
4-Methylphenol	2780	330	ug/kg	3330		83	45-120			
Naphthalene	2940	330	ug/kg	3330		88	45-120			
2-Nitroaniline	2830	330	ug/kg	3330		85	50-125			
3-Nitroaniline	3000	330	ug/kg	3330		90	35-120			
4-Nitroaniline	2780	830	ug/kg	3330		84	45-125			
Nitrobenzene	2750	330	ug/kg	3330		83	45-120			
2-Nitrophenol	3000	330	ug/kg	3330		90	45-120			
4-Nitrophenol	2530	830	ug/kg	3330		76	40-125			
N-Nitroso-di-n-propylamine	2720	250	ug/kg	3330		82	40-120			
N-Nitrosodiphenylamine	3030	330	ug/kg	3330		91	50-120			
Pentachlorophenol	3130	830	ug/kg	3330		94	40-120			
Phenanthrene	3100	330	ug/kg	3330		93	50-120			
Phenol	2820	330	ug/kg	3330		85	40-120			
Pyrene	3010	330	ug/kg	3330		90	45-125			
1,2,4-Trichlorobenzene	2850	330	ug/kg	3330		86	40-120			
2,4,5-Trichlorophenol	3270	330	ug/kg	3330		98	50-120			
2,4,6-Trichlorophenol	3270	330	ug/kg	3330		98	50-120			

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Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B02052 Extracted: 02/02/09										
LCS Analyzed: 02/02/2009 (9B02052-BS1)										
Surrogate: 2,4,6-Tribromophenol	5580		ug/kg	6670		84	35-125			
Surrogate: 2-Fluorobiphenyl	2760		ug/kg	3330		83	35-120			
Surrogate: 2-Fluorophenol	4870		ug/kg	6670		73	25-120			
Surrogate: Nitrobenzene-d5	2320		ug/kg	3330		70	30-120			
Surrogate: Phenol-d6	5110		ug/kg	6670		77	35-120			
Surrogate: Terphenyl-d14	2760		ug/kg	3330		83	40-135			

Matrix Spike Analyzed: 02/02/2009 (9B02052-MS1)

Source: ISA2483-06

Acenaphthene	3220	330	ug/kg	3330	ND	97	45-120			
Acenaphthylene	3310	330	ug/kg	3330	ND	99	45-120			
Aniline	2510	420	ug/kg	3330	ND	75	25-120			
Anthracene	3530	330	ug/kg	3330	ND	106	55-120			
Benzidine	ND	660	ug/kg	3330	ND		20-120			M2
Benzo(a)anthracene	3640	330	ug/kg	3330	ND	109	50-120			
Benzo(a)pyrene	3700	330	ug/kg	3330	ND	111	45-125			
Benzo(b)fluoranthene	3560	330	ug/kg	3330	ND	107	45-125			
Benzo(g,h,i)perylene	3400	330	ug/kg	3330	ND	102	25-130			
Benzo(k)fluoranthene	3610	330	ug/kg	3330	ND	108	45-125			
Benzoic acid	2390	830	ug/kg	3330	ND	72	20-120			
Benzyl alcohol	3230	330	ug/kg	3330	ND	97	20-120			
4-Bromophenyl phenyl ether	3350	330	ug/kg	3330	ND	101	45-120			
Butyl benzyl phthalate	3040	330	ug/kg	3330	ND	91	45-125			
4-Chloro-3-methylphenol	3250	330	ug/kg	3330	ND	98	50-125			
4-Chloroaniline	2300	330	ug/kg	3330	ND	69	20-120			
Bis(2-chloroethoxy)methane	3040	330	ug/kg	3330	ND	91	45-120			
Bis(2-chloroethyl)ether	2820	170	ug/kg	3330	ND	84	35-110			
Bis(2-chloroisopropyl)ether	2970	330	ug/kg	3330	ND	89	40-120			
2-Chloronaphthalene	3200	330	ug/kg	3330	ND	96	45-120			
2-Chlorophenol	2950	330	ug/kg	3330	ND	89	40-120			
4-Chlorophenyl phenyl ether	3370	330	ug/kg	3330	ND	101	50-120			
Chrysene	3550	330	ug/kg	3330	ND	107	55-120			
Dibenz(a,h)anthracene	3610	420	ug/kg	3330	ND	108	25-135			
Dibenzofuran	3400	330	ug/kg	3330	ND	102	50-120			
Di-n-butyl phthalate	3620	330	ug/kg	3330	ND	108	50-125			
1,2-Dichlorobenzene	2760	330	ug/kg	3330	ND	83	40-120			
1,3-Dichlorobenzene	2600	330	ug/kg	3330	ND	78	35-120			

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Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B02052 Extracted: 02/02/09										
Matrix Spike Analyzed: 02/02/2009 (9B02052-MS1)				Source: ISA2483-06						
1,4-Dichlorobenzene	2700	330	ug/kg	3330	ND	81	35-120			
3,3'-Dichlorobenzidine	3030	830	ug/kg	3330	ND	91	20-130			
2,4-Dichlorophenol	3500	330	ug/kg	3330	ND	105	45-120			
Diethyl phthalate	3330	330	ug/kg	3330	ND	100	50-125			
2,4-Dimethylphenol	2980	330	ug/kg	3330	ND	89	30-120			
Dimethyl phthalate	3210	330	ug/kg	3330	ND	96	45-125			
4,6-Dinitro-2-methylphenol	3330	420	ug/kg	3330	ND	100	35-120			
2,4-Dinitrophenol	2930	660	ug/kg	3330	ND	88	20-120			
2,4-Dinitrotoluene	3460	330	ug/kg	3330	ND	104	50-125			
2,6-Dinitrotoluene	3300	330	ug/kg	3330	ND	99	50-125			
Di-n-octyl phthalate	3600	330	ug/kg	3330	ND	108	50-135			
1,2-Diphenylhydrazine/Azobenzene	3310	330	ug/kg	3330	ND	99	50-125			
Bis(2-ethylhexyl)phthalate	3550	330	ug/kg	3330	ND	106	45-130			
Fluoranthene	3690	330	ug/kg	3330	ND	111	45-120			
Fluorene	3370	330	ug/kg	3330	ND	101	50-120			
Hexachlorobenzene	3220	330	ug/kg	3330	ND	97	50-120			
Hexachlorobutadiene	3000	330	ug/kg	3330	ND	90	40-120			
Hexachlorocyclopentadiene	2930	830	ug/kg	3330	ND	88	20-125			
Hexachloroethane	2670	330	ug/kg	3330	ND	80	35-120			
Indeno(1,2,3-cd)pyrene	3530	330	ug/kg	3330	ND	106	20-130			
Isophorone	2920	330	ug/kg	3330	ND	88	40-120			
2-Methylnaphthalene	3260	330	ug/kg	3330	ND	98	40-120			
2-Methylphenol	3100	330	ug/kg	3330	ND	93	40-120			
4-Methylphenol	3020	330	ug/kg	3330	ND	91	45-120			
Naphthalene	3080	330	ug/kg	3330	ND	92	40-120			
2-Nitroaniline	3210	330	ug/kg	3330	ND	96	45-120			
3-Nitroaniline	3270	330	ug/kg	3330	ND	98	30-120			
4-Nitroaniline	3500	830	ug/kg	3330	ND	105	40-125			
Nitrobenzene	2880	330	ug/kg	3330	ND	86	40-120			
2-Nitrophenol	3250	330	ug/kg	3330	ND	97	40-120			
4-Nitrophenol	3100	830	ug/kg	3330	ND	93	35-125			
N-Nitroso-di-n-propylamine	2970	250	ug/kg	3330	ND	89	35-120			
N-Nitrosodiphenylamine	3350	330	ug/kg	3330	ND	101	45-125			
Pentachlorophenol	3570	830	ug/kg	3330	ND	107	30-120			
Phenanthrene	3420	330	ug/kg	3330	ND	102	50-120			
Phenol	3110	330	ug/kg	3330	ND	93	40-120			

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Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B02052 Extracted: 02/02/09										
Matrix Spike Analyzed: 02/02/2009 (9B02052-MS1)				Source: ISA2483-06						
Pyrene	2940	330	ug/kg	3330	ND	88	40-125			
1,2,4-Trichlorobenzene	3000	330	ug/kg	3330	ND	90	40-120			
2,4,5-Trichlorophenol	3530	330	ug/kg	3330	ND	106	45-120			
2,4,6-Trichlorophenol	3580	330	ug/kg	3330	ND	107	45-120			
Surrogate: 2,4,6-Tribromophenol	5800		ug/kg	6670		87	35-125			
Surrogate: 2-Fluorobiphenyl	2790		ug/kg	3330		84	35-120			
Surrogate: 2-Fluorophenol	4830		ug/kg	6670		72	25-120			
Surrogate: Nitrobenzene-d5	2370		ug/kg	3330		71	30-120			
Surrogate: Phenol-d6	5340		ug/kg	6670		80	35-120			
Surrogate: Terphenyl-d14	2610		ug/kg	3330		78	40-135			
Matrix Spike Dup Analyzed: 02/02/2009 (9B02052-MSD1)				Source: ISA2483-06						
Acenaphthene	3490	330	ug/kg	3330	ND	105	45-120	8	25	
Acenaphthylene	3630	330	ug/kg	3330	ND	109	45-120	9	20	
Aniline	2480	420	ug/kg	3330	ND	74	25-120	1	30	
Anthracene	3680	330	ug/kg	3330	ND	111	55-120	4	25	
Benzidine	ND	660	ug/kg	3330	ND		20-120		30	M2
Benzo(a)anthracene	3880	330	ug/kg	3330	ND	116	50-120	6	25	
Benzo(a)pyrene	3940	330	ug/kg	3330	ND	118	45-125	6	25	
Benzo(b)fluoranthene	3730	330	ug/kg	3330	ND	112	45-125	5	30	
Benzo(g,h,i)perylene	3490	330	ug/kg	3330	ND	105	25-130	3	30	
Benzo(k)fluoranthene	3930	330	ug/kg	3330	ND	118	45-125	9	30	
Benzoic acid	1800	830	ug/kg	3330	ND	54	20-120	28	30	
Benzyl alcohol	3110	330	ug/kg	3330	ND	93	20-120	4	30	
4-Bromophenyl phenyl ether	3510	330	ug/kg	3330	ND	105	45-120	5	20	
Butyl benzyl phthalate	3440	330	ug/kg	3330	ND	103	45-125	12	25	
4-Chloro-3-methylphenol	3380	330	ug/kg	3330	ND	102	50-125	4	25	
4-Chloroaniline	2050	330	ug/kg	3330	ND	62	20-120	11	30	
Bis(2-chloroethoxy)methane	3170	330	ug/kg	3330	ND	95	45-120	4	25	
Bis(2-chloroethyl)ether	2990	170	ug/kg	3330	ND	90	35-110	6	25	
Bis(2-chloroisopropyl)ether	3140	330	ug/kg	3330	ND	94	40-120	6	25	
2-Chloronaphthalene	3460	330	ug/kg	3330	ND	104	45-120	8	20	
2-Chlorophenol	3040	330	ug/kg	3330	ND	91	40-120	3	20	
4-Chlorophenyl phenyl ether	3600	330	ug/kg	3330	ND	108	50-120	7	25	
Chrysene	3810	330	ug/kg	3330	ND	114	55-120	7	25	
Dibenz(a,h)anthracene	3830	420	ug/kg	3330	ND	115	25-135	6	30	

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B02052 Extracted: 02/02/09										
Matrix Spike Dup Analyzed: 02/02/2009 (9B02052-MSD1)					Source: ISA2483-06					
Dibenzofuran	3660	330	ug/kg	3330	ND	110	50-120	7	25	
Di-n-butyl phthalate	3980	330	ug/kg	3330	ND	119	50-125	10	25	
1,2-Dichlorobenzene	2880	330	ug/kg	3330	ND	86	40-120	5	25	
1,3-Dichlorobenzene	2770	330	ug/kg	3330	ND	83	35-120	6	25	
1,4-Dichlorobenzene	2840	330	ug/kg	3330	ND	85	35-120	5	25	
3,3'-Dichlorobenzidine	3040	830	ug/kg	3330	ND	91	20-130	0	25	
2,4-Dichlorophenol	3620	330	ug/kg	3330	ND	108	45-120	3	25	
Diethyl phthalate	3590	330	ug/kg	3330	ND	108	50-125	8	25	
2,4-Dimethylphenol	3000	330	ug/kg	3330	ND	90	30-120	1	25	
Dimethyl phthalate	3490	330	ug/kg	3330	ND	105	45-125	8	25	
4,6-Dinitro-2-methylphenol	3300	420	ug/kg	3330	ND	99	35-120	1	25	
2,4-Dinitrophenol	2670	660	ug/kg	3330	ND	80	20-120	9	25	
2,4-Dinitrotoluene	3650	330	ug/kg	3330	ND	110	50-125	5	25	
2,6-Dinitrotoluene	3550	330	ug/kg	3330	ND	106	50-125	7	20	
Di-n-octyl phthalate	3870	330	ug/kg	3330	ND	116	50-135	7	25	
1,2-Diphenylhydrazine/Azobenzene	3620	330	ug/kg	3330	ND	109	50-125	9	25	
Bis(2-ethylhexyl)phthalate	3950	330	ug/kg	3330	ND	118	45-130	11	25	
Fluoranthene	3940	330	ug/kg	3330	ND	118	45-120	6	25	
Fluorene	3670	330	ug/kg	3330	ND	110	50-120	8	25	
Hexachlorobenzene	3470	330	ug/kg	3330	ND	104	50-120	7	25	
Hexachlorobutadiene	3080	330	ug/kg	3330	ND	92	40-120	2	25	
Hexachlorocyclopentadiene	2930	830	ug/kg	3330	ND	88	20-125	0	30	
Hexachloroethane	2670	330	ug/kg	3330	ND	80	35-120	0	30	
Indeno(1,2,3-cd)pyrene	3670	330	ug/kg	3330	ND	110	20-130	4	30	
Isophorone	3050	330	ug/kg	3330	ND	92	40-120	4	25	
2-Methylnaphthalene	3420	330	ug/kg	3330	ND	103	40-120	5	20	
2-Methylphenol	3260	330	ug/kg	3330	ND	98	40-120	5	25	
4-Methylphenol	3120	330	ug/kg	3330	ND	94	45-120	3	25	
Naphthalene	3220	330	ug/kg	3330	ND	97	40-120	5	25	
2-Nitroaniline	3440	330	ug/kg	3330	ND	103	45-120	7	25	
3-Nitroaniline	3600	330	ug/kg	3330	ND	108	30-120	9	25	
4-Nitroaniline	3500	830	ug/kg	3330	ND	105	40-125	0	30	
Nitrobenzene	3070	330	ug/kg	3330	ND	92	40-120	7	25	
2-Nitrophenol	3440	330	ug/kg	3330	ND	103	40-120	6	25	
4-Nitrophenol	3130	830	ug/kg	3330	ND	94	35-125	1	30	
N-Nitroso-di-n-propylamine	2970	250	ug/kg	3330	ND	89	35-120	0	25	

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2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B02052 Extracted: 02/02/09										
Matrix Spike Dup Analyzed: 02/02/2009 (9B02052-MSD1)					Source: ISA2483-06					
N-Nitrosodiphenylamine	3560	330	ug/kg	3330	ND	107	45-125	6	25	
Pentachlorophenol	3780	830	ug/kg	3330	ND	113	30-120	6	25	
Phenanthrene	3610	330	ug/kg	3330	ND	108	50-120	5	25	
Phenol	3150	330	ug/kg	3330	ND	94	40-120	1	25	
Pyrene	3360	330	ug/kg	3330	ND	101	40-125	13	30	
1,2,4-Trichlorobenzene	3260	330	ug/kg	3330	ND	98	40-120	8	25	
2,4,5-Trichlorophenol	3830	330	ug/kg	3330	ND	115	45-120	8	20	
2,4,6-Trichlorophenol	3940	330	ug/kg	3330	ND	118	45-120	10	25	
Surrogate: 2,4,6-Tribromophenol	6100		ug/kg	6670		92	35-125			
Surrogate: 2-Fluorobiphenyl	3050		ug/kg	3330		92	35-120			
Surrogate: 2-Fluorophenol	5100		ug/kg	6670		76	25-120			
Surrogate: Nitrobenzene-d5	2600		ug/kg	3330		78	30-120			
Surrogate: Phenol-d6	5490		ug/kg	6670		82	35-120			
Surrogate: Terphenyl-d14	2960		ug/kg	3330		89	40-135			

Batch: 9B03050 Extracted: 02/03/09

Blank Analyzed: 02/03/2009 (9B03050-BLK1)

Acenaphthene	ND	330	ug/kg
Acenaphthylene	ND	330	ug/kg
Aniline	ND	420	ug/kg
Anthracene	ND	330	ug/kg
Benzidine	ND	660	ug/kg
Benzo(a)anthracene	ND	330	ug/kg
Benzo(a)pyrene	ND	330	ug/kg
Benzo(b)fluoranthene	ND	330	ug/kg
Benzo(g,h,i)perylene	ND	330	ug/kg
Benzo(k)fluoranthene	ND	330	ug/kg
Benzoic acid	ND	830	ug/kg
Benzyl alcohol	ND	330	ug/kg
4-Bromophenyl phenyl ether	ND	330	ug/kg
Butyl benzyl phthalate	ND	330	ug/kg
4-Chloro-3-methylphenol	ND	330	ug/kg
4-Chloroaniline	ND	330	ug/kg
Bis(2-chloroethoxy)methane	ND	330	ug/kg
Bis(2-chloroethyl)ether	ND	170	ug/kg

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ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B03050 Extracted: 02/03/09										
Blank Analyzed: 02/03/2009 (9B03050-BLK1)										
Bis(2-chloroisopropyl)ether	ND	330	ug/kg							
2-Chloronaphthalene	ND	330	ug/kg							
2-Chlorophenol	ND	330	ug/kg							
4-Chlorophenyl phenyl ether	ND	330	ug/kg							
Chrysene	ND	330	ug/kg							
Dibenz(a,h)anthracene	ND	420	ug/kg							
Dibenzofuran	ND	330	ug/kg							
Di-n-butyl phthalate	ND	330	ug/kg							
1,2-Dichlorobenzene	ND	330	ug/kg							
1,3-Dichlorobenzene	ND	330	ug/kg							
1,4-Dichlorobenzene	ND	330	ug/kg							
3,3'-Dichlorobenzidine	ND	830	ug/kg							
2,4-Dichlorophenol	ND	330	ug/kg							
Diethyl phthalate	ND	330	ug/kg							
2,4-Dimethylphenol	ND	330	ug/kg							
Dimethyl phthalate	ND	330	ug/kg							
4,6-Dinitro-2-methylphenol	ND	420	ug/kg							
2,4-Dinitrophenol	ND	660	ug/kg							
2,4-Dinitrotoluene	ND	330	ug/kg							
2,6-Dinitrotoluene	ND	330	ug/kg							
Di-n-octyl phthalate	ND	330	ug/kg							
1,2-Diphenylhydrazine/Azobenzene	ND	330	ug/kg							
Bis(2-ethylhexyl)phthalate	ND	330	ug/kg							
Fluoranthene	ND	330	ug/kg							
Fluorene	ND	330	ug/kg							
Hexachlorobenzene	ND	330	ug/kg							
Hexachlorobutadiene	ND	330	ug/kg							
Hexachlorocyclopentadiene	ND	830	ug/kg							
Hexachloroethane	ND	330	ug/kg							
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg							
Isophorone	ND	330	ug/kg							
2-Methylnaphthalene	ND	330	ug/kg							
2-Methylphenol	ND	330	ug/kg							
4-Methylphenol	ND	330	ug/kg							
Naphthalene	ND	330	ug/kg							
2-Nitroaniline	ND	330	ug/kg							

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Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B03050 Extracted: 02/03/09										
Blank Analyzed: 02/03/2009 (9B03050-BLK1)										
3-Nitroaniline	ND	330	ug/kg							
4-Nitroaniline	ND	830	ug/kg							
Nitrobenzene	ND	330	ug/kg							
2-Nitrophenol	ND	330	ug/kg							
4-Nitrophenol	ND	830	ug/kg							
N-Nitroso-di-n-propylamine	ND	250	ug/kg							
N-Nitrosodiphenylamine	ND	330	ug/kg							
Pentachlorophenol	ND	830	ug/kg							
Phenanthrene	ND	330	ug/kg							
Phenol	ND	330	ug/kg							
Pyrene	ND	330	ug/kg							
1,2,4-Trichlorobenzene	ND	330	ug/kg							
2,4,5-Trichlorophenol	ND	330	ug/kg							
2,4,6-Trichlorophenol	ND	330	ug/kg							
Surrogate: 2,4,6-Tribromophenol	6080		ug/kg	6670		91	35-125			
Surrogate: 2-Fluorobiphenyl	3090		ug/kg	3330		93	35-120			
Surrogate: 2-Fluorophenol	6490		ug/kg	6670		97	25-120			
Surrogate: Nitrobenzene-d5	3000		ug/kg	3330		90	30-120			
Surrogate: Phenol-d6	6360		ug/kg	6670		95	35-120			
Surrogate: Terphenyl-d14	3840		ug/kg	3330		115	40-135			
LCS Analyzed: 02/03/2009 (9B03050-BS1)										
Acenaphthene	2760	330	ug/kg	3330		83	50-120			
Acenaphthylene	2720	330	ug/kg	3330		81	50-120			
Aniline	2620	420	ug/kg	3330		79	25-120			
Anthracene	2820	330	ug/kg	3330		85	55-120			
Benzidine	2240	660	ug/kg	3330		67	20-120			
Benzo(a)anthracene	2970	330	ug/kg	3330		89	55-120			
Benzo(a)pyrene	3160	330	ug/kg	3330		95	50-125			
Benzo(b)fluoranthene	2940	330	ug/kg	3330		88	45-125			
Benzo(g,h,i)perylene	2950	330	ug/kg	3330		89	35-130			
Benzo(k)fluoranthene	3140	330	ug/kg	3330		94	45-125			
Benzoic acid	2140	830	ug/kg	3330		64	20-120			
Benzyl alcohol	2760	330	ug/kg	3330		83	35-120			
4-Bromophenyl phenyl ether	2890	330	ug/kg	3330		87	45-120			
Butyl benzyl phthalate	3070	330	ug/kg	3330		92	50-125			

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B03050 Extracted: 02/03/09										
LCS Analyzed: 02/03/2009 (9B03050-BS1)										
4-Chloro-3-methylphenol	2720	330	ug/kg	3330		81	50-125			
4-Chloroaniline	2360	330	ug/kg	3330		71	20-120			
Bis(2-chloroethoxy)methane	2530	330	ug/kg	3330		76	45-120			
Bis(2-chloroethyl)ether	2490	170	ug/kg	3330		75	35-120			
Bis(2-chloroisopropyl)ether	2680	330	ug/kg	3330		80	40-120			
2-Chloronaphthalene	2580	330	ug/kg	3330		77	45-120			
2-Chlorophenol	2740	330	ug/kg	3330		82	40-120			
4-Chlorophenyl phenyl ether	2670	330	ug/kg	3330		80	55-120			
Chrysene	3010	330	ug/kg	3330		90	55-120			
Dibenz(a,h)anthracene	3070	420	ug/kg	3330		92	40-135			
Dibenzofuran	2690	330	ug/kg	3330		81	55-120			
Di-n-butyl phthalate	2840	330	ug/kg	3330		85	50-125			
1,2-Dichlorobenzene	2410	330	ug/kg	3330		72	40-120			
1,3-Dichlorobenzene	2270	330	ug/kg	3330		68	35-120			
1,4-Dichlorobenzene	2340	330	ug/kg	3330		70	35-120			
3,3'-Dichlorobenzidine	2390	830	ug/kg	3330		72	20-130			
2,4-Dichlorophenol	2700	330	ug/kg	3330		81	45-120			
Diethyl phthalate	2690	330	ug/kg	3330		81	50-125			
2,4-Dimethylphenol	2610	330	ug/kg	3330		78	40-120			
Dimethyl phthalate	2670	330	ug/kg	3330		80	50-125			
4,6-Dinitro-2-methylphenol	2570	420	ug/kg	3330		77	40-120			
2,4-Dinitrophenol	2300	660	ug/kg	3330		69	25-120			
2,4-Dinitrotoluene	2790	330	ug/kg	3330		84	55-125			
2,6-Dinitrotoluene	2790	330	ug/kg	3330		84	55-125			
Di-n-octyl phthalate	3490	330	ug/kg	3330		105	50-135			
1,2-Diphenylhydrazine/Azobenzene	2660	330	ug/kg	3330		80	50-125			
Bis(2-ethylhexyl)phthalate	3140	330	ug/kg	3330		94	50-130			
Fluoranthene	2830	330	ug/kg	3330		85	55-120			
Fluorene	2690	330	ug/kg	3330		81	55-120			
Hexachlorobenzene	2810	330	ug/kg	3330		84	50-120			
Hexachlorobutadiene	2410	330	ug/kg	3330		72	40-120			
Hexachlorocyclopentadiene	2470	830	ug/kg	3330		74	30-125			
Hexachloroethane	2320	330	ug/kg	3330		70	40-120			
Indeno(1,2,3-cd)pyrene	2930	330	ug/kg	3330		88	30-135			
Isophorone	2500	330	ug/kg	3330		75	40-120			
2-Methylnaphthalene	2620	330	ug/kg	3330		79	45-120			

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Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B03050 Extracted: 02/03/09										
LCS Analyzed: 02/03/2009 (9B03050-BS1)										
2-Methylphenol	2790	330	ug/kg	3330		84	40-120			
4-Methylphenol	2680	330	ug/kg	3330		80	45-120			
Naphthalene	2480	330	ug/kg	3330		75	45-120			
2-Nitroaniline	2920	330	ug/kg	3330		88	50-125			
3-Nitroaniline	2580	330	ug/kg	3330		78	35-120			
4-Nitroaniline	2870	830	ug/kg	3330		86	45-125			
Nitrobenzene	2520	330	ug/kg	3330		76	45-120			
2-Nitrophenol	2620	330	ug/kg	3330		79	45-120			
4-Nitrophenol	2790	830	ug/kg	3330		84	40-125			
N-Nitroso-di-n-propylamine	2610	250	ug/kg	3330		78	40-120			
N-Nitrosodiphenylamine	2820	330	ug/kg	3330		85	50-120			
Pentachlorophenol	2740	830	ug/kg	3330		82	40-120			
Phenanthrene	2790	330	ug/kg	3330		84	50-120			
Phenol	2780	330	ug/kg	3330		83	40-120			
Pyrene	3020	330	ug/kg	3330		91	45-125			
1,2,4-Trichlorobenzene	2450	330	ug/kg	3330		74	40-120			
2,4,5-Trichlorophenol	2790	330	ug/kg	3330		84	50-120			
2,4,6-Trichlorophenol	2820	330	ug/kg	3330		85	50-120			
Surrogate: 2,4,6-Tribromophenol	5600		ug/kg	6670		84	35-125			
Surrogate: 2-Fluorobiphenyl	2640		ug/kg	3330		79	35-120			
Surrogate: 2-Fluorophenol	5650		ug/kg	6670		85	25-120			
Surrogate: Nitrobenzene-d5	2560		ug/kg	3330		77	30-120			
Surrogate: Phenol-d6	5800		ug/kg	6670		87	35-120			
Surrogate: Terphenyl-d14	3220		ug/kg	3330		97	40-135			

Matrix Spike Analyzed: 02/04/2009 (9B03050-MS1)

Source: ISA2775-10

Acenaphthene	2660	330	ug/kg	3330	ND	80	45-120			
Acenaphthylene	2880	330	ug/kg	3330	ND	86	45-120			
Aniline	1290	420	ug/kg	3330	ND	39	25-120			
Anthracene	2970	330	ug/kg	3330	ND	89	55-120			
Benzidine	ND	660	ug/kg	3330	ND		20-120			M2
Benzo(a)anthracene	3200	330	ug/kg	3330	ND	96	50-120			
Benzo(a)pyrene	3410	330	ug/kg	3330	ND	102	45-125			
Benzo(b)fluoranthene	3300	330	ug/kg	3330	ND	99	45-125			
Benzo(g,h,i)perylene	4410	330	ug/kg	3330	ND	132	25-130			M1
Benzo(k)fluoranthene	3580	330	ug/kg	3330	ND	107	45-125			

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METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B03050 Extracted: 02/03/09										
Matrix Spike Analyzed: 02/04/2009 (9B03050-MS1)					Source: ISA2775-10					
Benzoic acid	336	830	ug/kg	3330	ND	10	20-120			M2
Benzyl alcohol	2180	330	ug/kg	3330	ND	66	20-120			
4-Bromophenyl phenyl ether	3010	330	ug/kg	3330	ND	90	45-120			
Butyl benzyl phthalate	3510	330	ug/kg	3330	ND	105	45-125			
4-Chloro-3-methylphenol	2840	330	ug/kg	3330	ND	85	50-125			
4-Chloroaniline	1050	330	ug/kg	3330	ND	32	20-120			
Bis(2-chloroethoxy)methane	2570	330	ug/kg	3330	ND	77	45-120			
Bis(2-chloroethyl)ether	2990	170	ug/kg	3330	ND	90	35-110			
Bis(2-chloroisopropyl)ether	2710	330	ug/kg	3330	ND	81	40-120			
2-Chloronaphthalene	2670	330	ug/kg	3330	ND	80	45-120			
2-Chlorophenol	3030	330	ug/kg	3330	ND	91	40-120			
4-Chlorophenyl phenyl ether	2880	330	ug/kg	3330	ND	86	50-120			
Chrysene	3280	330	ug/kg	3330	ND	98	55-120			
Dibenz(a,h)anthracene	3740	420	ug/kg	3330	ND	112	25-135			
Dibenzofuran	2910	330	ug/kg	3330	ND	87	50-120			
Di-n-butyl phthalate	3110	330	ug/kg	3330	ND	93	50-125			
1,2-Dichlorobenzene	2460	330	ug/kg	3330	ND	74	40-120			
1,3-Dichlorobenzene	2220	330	ug/kg	3330	ND	67	35-120			
1,4-Dichlorobenzene	2350	330	ug/kg	3330	ND	71	35-120			
3,3'-Dichlorobenzidine	1370	830	ug/kg	3330	ND	41	20-130			
2,4-Dichlorophenol	3140	330	ug/kg	3330	ND	94	45-120			
Diethyl phthalate	3060	330	ug/kg	3330	ND	92	50-125			
2,4-Dimethylphenol	2800	330	ug/kg	3330	ND	84	30-120			
Dimethyl phthalate	2890	330	ug/kg	3330	ND	87	45-125			
4,6-Dinitro-2-methylphenol	2390	420	ug/kg	3330	ND	72	35-120			
2,4-Dinitrophenol	1830	660	ug/kg	3330	ND	55	20-120			
2,4-Dinitrotoluene	3010	330	ug/kg	3330	ND	90	50-125			
2,6-Dinitrotoluene	3020	330	ug/kg	3330	ND	90	50-125			
Di-n-octyl phthalate	4020	330	ug/kg	3330	ND	121	50-135			
1,2-Diphenylhydrazine/Azobenzene	2900	330	ug/kg	3330	ND	87	50-125			
Bis(2-ethylhexyl)phthalate	3670	330	ug/kg	3330	ND	110	45-130			
Fluoranthene	3070	330	ug/kg	3330	ND	92	45-120			
Fluorene	2920	330	ug/kg	3330	ND	88	50-120			
Hexachlorobenzene	2980	330	ug/kg	3330	ND	89	50-120			
Hexachlorobutadiene	2390	330	ug/kg	3330	ND	72	40-120			
Hexachlorocyclopentadiene	1570	830	ug/kg	3330	ND	47	20-125			

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B03050 Extracted: 02/03/09										
Matrix Spike Analyzed: 02/04/2009 (9B03050-MS1)					Source: ISA2775-10					
Hexachloroethane	2350	330	ug/kg	3330	ND	70	35-120			
Indeno(1,2,3-cd)pyrene	3750	330	ug/kg	3330	ND	112	20-130			
Isophorone	2550	330	ug/kg	3330	ND	76	40-120			
2-Methylnaphthalene	2880	330	ug/kg	3330	ND	86	40-120			
2-Methylphenol	3240	330	ug/kg	3330	ND	97	40-120			
4-Methylphenol	3120	330	ug/kg	3330	ND	94	45-120			
Naphthalene	2550	330	ug/kg	3330	ND	77	40-120			
2-Nitroaniline	3080	330	ug/kg	3330	ND	92	45-120			
3-Nitroaniline	1910	330	ug/kg	3330	ND	57	30-120			
4-Nitroaniline	2830	830	ug/kg	3330	ND	85	40-125			
Nitrobenzene	2520	330	ug/kg	3330	ND	76	40-120			
2-Nitrophenol	2700	330	ug/kg	3330	ND	81	40-120			
4-Nitrophenol	2650	830	ug/kg	3330	ND	80	35-125			
N-Nitroso-di-n-propylamine	2780	250	ug/kg	3330	ND	83	35-120			
N-Nitrosodiphenylamine	2990	330	ug/kg	3330	ND	90	45-125			
Pentachlorophenol	2210	830	ug/kg	3330	ND	66	30-120			
Phenanthrene	2930	330	ug/kg	3330	ND	88	50-120			
Phenol	3080	330	ug/kg	3330	ND	92	40-120			
Pyrene	3370	330	ug/kg	3330	ND	101	40-125			
1,2,4-Trichlorobenzene	2470	330	ug/kg	3330	ND	74	40-120			
2,4,5-Trichlorophenol	2950	330	ug/kg	3330	ND	89	45-120			
2,4,6-Trichlorophenol	2840	330	ug/kg	3330	ND	85	45-120			
Surrogate: 2,4,6-Tribromophenol	5630		ug/kg	6670		84	35-125			
Surrogate: 2-Fluorobiphenyl	2660		ug/kg	3330		80	35-120			
Surrogate: 2-Fluorophenol	5680		ug/kg	6670		85	25-120			
Surrogate: Nitrobenzene-d5	2550		ug/kg	3330		76	30-120			
Surrogate: Phenol-d6	6550		ug/kg	6670		98	35-120			
Surrogate: Terphenyl-d14	3540		ug/kg	3330		106	40-135			

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ASCON Landfill SB0320
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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B03050 Extracted: 02/03/09										
Matrix Spike Dup Analyzed: 02/04/2009 (9B03050-MSD1)					Source: ISA2775-10					
Acenaphthene	2610	330	ug/kg	3330	ND	78	45-120	2	25	
Acenaphthylene	2840	330	ug/kg	3330	ND	85	45-120	1	20	
Aniline	1670	420	ug/kg	3330	ND	50	25-120	26	30	
Anthracene	2980	330	ug/kg	3330	ND	89	55-120	0	25	
Benzidine	ND	660	ug/kg	3330	ND		20-120		30	M2
Benzo(a)anthracene	3110	330	ug/kg	3330	ND	93	50-120	3	25	
Benzo(a)pyrene	3280	330	ug/kg	3330	ND	98	45-125	4	25	
Benzo(b)fluoranthene	3190	330	ug/kg	3330	ND	96	45-125	3	30	
Benzo(g,h,i)perylene	4230	330	ug/kg	3330	ND	127	25-130	4	30	
Benzo(k)fluoranthene	3380	330	ug/kg	3330	ND	101	45-125	6	30	
Benzoic acid	281	830	ug/kg	3330	ND	8	20-120	18	30	M2
Benzyl alcohol	2020	330	ug/kg	3330	ND	61	20-120	8	30	
4-Bromophenyl phenyl ether	3050	330	ug/kg	3330	ND	92	45-120	1	20	
Butyl benzyl phthalate	3390	330	ug/kg	3330	ND	102	45-125	3	25	
4-Chloro-3-methylphenol	2740	330	ug/kg	3330	ND	82	50-125	4	25	
4-Chloroaniline	1340	330	ug/kg	3330	ND	40	20-120	24	30	
Bis(2-chloroethoxy)methane	2540	330	ug/kg	3330	ND	76	45-120	1	25	
Bis(2-chloroethyl)ether	2670	170	ug/kg	3330	ND	80	35-110	12	25	
Bis(2-chloroisopropyl)ether	2520	330	ug/kg	3330	ND	76	40-120	7	25	
2-Chloronaphthalene	2670	330	ug/kg	3330	ND	80	45-120	0	20	
2-Chlorophenol	2830	330	ug/kg	3330	ND	85	40-120	7	20	
4-Chlorophenyl phenyl ether	2840	330	ug/kg	3330	ND	85	50-120	1	25	
Chrysene	3110	330	ug/kg	3330	ND	93	55-120	5	25	
Dibenz(a,h)anthracene	3610	420	ug/kg	3330	ND	108	25-135	3	30	
Dibenzofuran	2840	330	ug/kg	3330	ND	85	50-120	2	25	
Di-n-butyl phthalate	3070	330	ug/kg	3330	ND	92	50-125	1	25	
1,2-Dichlorobenzene	2300	330	ug/kg	3330	ND	69	40-120	7	25	
1,3-Dichlorobenzene	2090	330	ug/kg	3330	ND	63	35-120	6	25	
1,4-Dichlorobenzene	2150	330	ug/kg	3330	ND	65	35-120	9	25	
3,3'-Dichlorobenzidine	1540	830	ug/kg	3330	ND	46	20-130	11	25	
2,4-Dichlorophenol	3010	330	ug/kg	3330	ND	90	45-120	4	25	
Diethyl phthalate	2930	330	ug/kg	3330	ND	88	50-125	4	25	
2,4-Dimethylphenol	2700	330	ug/kg	3330	ND	81	30-120	4	25	
Dimethyl phthalate	2820	330	ug/kg	3330	ND	85	45-125	2	25	
4,6-Dinitro-2-methylphenol	2410	420	ug/kg	3330	ND	72	35-120	1	25	
2,4-Dinitrophenol	1750	660	ug/kg	3330	ND	53	20-120	5	25	

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B03050 Extracted: 02/03/09										
Matrix Spike Dup Analyzed: 02/04/2009 (9B03050-MSD1)					Source: ISA2775-10					
2,4-Dinitrotoluene	2900	330	ug/kg	3330	ND	87	50-125	3	25	
2,6-Dinitrotoluene	2940	330	ug/kg	3330	ND	88	50-125	2	20	
Di-n-octyl phthalate	3850	330	ug/kg	3330	ND	115	50-135	4	25	
1,2-Diphenylhydrazine/Azobenzene	2820	330	ug/kg	3330	ND	85	50-125	3	25	
Bis(2-ethylhexyl)phthalate	3510	330	ug/kg	3330	ND	105	45-130	4	25	
Fluoranthene	3010	330	ug/kg	3330	ND	90	45-120	2	25	
Fluorene	2860	330	ug/kg	3330	ND	86	50-120	2	25	
Hexachlorobenzene	3010	330	ug/kg	3330	ND	90	50-120	1	25	
Hexachlorobutadiene	2340	330	ug/kg	3330	ND	70	40-120	2	25	
Hexachlorocyclopentadiene	1690	830	ug/kg	3330	ND	51	20-125	7	30	
Hexachloroethane	2190	330	ug/kg	3330	ND	66	35-120	7	30	
Indeno(1,2,3-cd)pyrene	3610	330	ug/kg	3330	ND	108	20-130	4	30	
Isophorone	2520	330	ug/kg	3330	ND	76	40-120	1	25	
2-Methylnaphthalene	2850	330	ug/kg	3330	ND	86	40-120	1	20	
2-Methylphenol	3020	330	ug/kg	3330	ND	91	40-120	7	25	
4-Methylphenol	2870	330	ug/kg	3330	ND	86	45-120	8	25	
Naphthalene	2510	330	ug/kg	3330	ND	75	40-120	2	25	
2-Nitroaniline	2960	330	ug/kg	3330	ND	89	45-120	4	25	
3-Nitroaniline	2070	330	ug/kg	3330	ND	62	30-120	8	25	
4-Nitroaniline	2750	830	ug/kg	3330	ND	83	40-125	3	30	
Nitrobenzene	2510	330	ug/kg	3330	ND	75	40-120	1	25	
2-Nitrophenol	2700	330	ug/kg	3330	ND	81	40-120	0	25	
4-Nitrophenol	2580	830	ug/kg	3330	ND	77	35-125	3	30	
N-Nitroso-di-n-propylamine	2630	250	ug/kg	3330	ND	79	35-120	6	25	
N-Nitrosodiphenylamine	3020	330	ug/kg	3330	ND	91	45-125	1	25	
Pentachlorophenol	2230	830	ug/kg	3330	ND	67	30-120	1	25	
Phenanthrene	2910	330	ug/kg	3330	ND	87	50-120	0	25	
Phenol	3070	330	ug/kg	3330	ND	92	40-120	0	25	
Pyrene	3330	330	ug/kg	3330	ND	100	40-125	1	30	
1,2,4-Trichlorobenzene	2410	330	ug/kg	3330	ND	72	40-120	2	25	
2,4,5-Trichlorophenol	2920	330	ug/kg	3330	ND	88	45-120	1	20	
2,4,6-Trichlorophenol	2900	330	ug/kg	3330	ND	87	45-120	2	25	
Surrogate: 2,4,6-Tribromophenol	5770		ug/kg	6660		87	35-125			
Surrogate: 2-Fluorobiphenyl	2650		ug/kg	3330		80	35-120			
Surrogate: 2-Fluorophenol	5410		ug/kg	6660		81	25-120			
Surrogate: Nitrobenzene-d5	2510		ug/kg	3330		75	30-120			

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2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B03050 Extracted: 02/03/09										
Matrix Spike Dup Analyzed: 02/04/2009 (9B03050-MSD1)					Source: ISA2775-10					
Surrogate: Phenol-d6	6050		ug/kg	6660		91	35-120			
Surrogate: Terphenyl-d14	3410		ug/kg	3330		102	40-135			

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Report Number: ISA2736

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METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9A30115 Extracted: 01/30/09										
Blank Analyzed: 02/05/2009 (9A30115-BLK1)										
4,4'-DDD	ND	5.0	ug/kg							
4,4'-DDE	ND	5.0	ug/kg							
4,4'-DDT	ND	5.0	ug/kg							
Aldrin	ND	5.0	ug/kg							
alpha-BHC	ND	5.0	ug/kg							
beta-BHC	ND	5.0	ug/kg							
delta-BHC	ND	10	ug/kg							
Dieldrin	ND	5.0	ug/kg							
Endosulfan I	ND	5.0	ug/kg							
Endosulfan II	ND	5.0	ug/kg							
Endosulfan sulfate	ND	10	ug/kg							
Endrin	ND	5.0	ug/kg							
Endrin aldehyde	ND	5.0	ug/kg							
Endrin ketone	ND	5.0	ug/kg							
gamma-BHC (Lindane)	ND	5.0	ug/kg							
Heptachlor	ND	5.0	ug/kg							
Heptachlor epoxide	ND	5.0	ug/kg							
Methoxychlor	ND	5.0	ug/kg							
Chlordane	ND	50	ug/kg							
Toxaphene	ND	200	ug/kg							
Surrogate: Decachlorobiphenyl	19.5		ug/kg	33.3		59	45-120			
Surrogate: Tetrachloro-m-xylene	19.4		ug/kg	33.3		58	35-115			

LCS Analyzed: 02/06/2009 (9A30115-BS1)

4,4'-DDD	31.1	5.0	ug/kg	33.3		93	60-120			
4,4'-DDE	30.8	5.0	ug/kg	33.3		92	60-120			
4,4'-DDT	31.6	5.0	ug/kg	33.3		95	65-120			
Aldrin	29.7	5.0	ug/kg	33.3		89	50-115			
alpha-BHC	29.8	5.0	ug/kg	33.3		89	60-115			
beta-BHC	26.7	5.0	ug/kg	33.3		80	60-115			
delta-BHC	29.0	10	ug/kg	33.3		87	60-115			
Dieldrin	29.4	5.0	ug/kg	33.3		88	65-115			
Endosulfan I	30.4	5.0	ug/kg	33.3		91	40-120			
Endosulfan II	30.7	5.0	ug/kg	33.3		92	55-120			
Endosulfan sulfate	29.5	10	ug/kg	33.3		89	65-115			
Endrin	32.2	5.0	ug/kg	33.3		96	55-120			

MNR

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ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9A30115 Extracted: 01/30/09										
LCS Analyzed: 02/06/2009 (9A30115-BS1)										MNR
Endrin aldehyde	26.8	5.0	ug/kg	33.3		80	55-115			
Endrin ketone	28.9	5.0	ug/kg	33.3		87	65-115			
gamma-BHC (Lindane)	29.9	5.0	ug/kg	33.3		90	55-115			
Heptachlor	30.0	5.0	ug/kg	33.3		90	55-115			
Heptachlor epoxide	28.5	5.0	ug/kg	33.3		86	55-115			
Methoxychlor	29.2	5.0	ug/kg	33.3		88	65-120			
Surrogate: Decachlorobiphenyl	29.3		ug/kg	33.3		88	45-120			
Surrogate: Tetrachloro-m-xylene	29.0		ug/kg	33.3		87	35-115			

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ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
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METHOD BLANK/QC DATA

POLYCHLORINATED BIPHENYLS (EPA 3545/8082)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B06059 Extracted: 02/04/09										
Blank Analyzed: 02/05/2009 (9B06059-BLK1)										
Aroclor 1016	ND	50	ug/kg							
Aroclor 1221	ND	50	ug/kg							
Aroclor 1232	ND	50	ug/kg							
Aroclor 1242	ND	50	ug/kg							
Aroclor 1248	ND	50	ug/kg							
Aroclor 1254	ND	50	ug/kg							
Aroclor 1260	ND	50	ug/kg							
Surrogate: Decachlorobiphenyl	31.2		ug/kg	33.3		93	45-120			
LCS Analyzed: 02/05/2009 (9B06059-BS1)										
Aroclor 1016	227	50	ug/kg	267		85	65-115			
Aroclor 1260	235	50	ug/kg	267		88	65-115			
Surrogate: Decachlorobiphenyl	32.8		ug/kg	33.3		98	45-120			
Matrix Spike Analyzed: 02/05/2009 (9B06059-MS1)					Source: ISA2624-04RE1					
Aroclor 1016	220	50	ug/kg	266	ND	83	50-120			
Aroclor 1260	225	50	ug/kg	266	ND	85	50-125			
Surrogate: Decachlorobiphenyl	30.5		ug/kg	33.2		92	45-120			
Matrix Spike Dup Analyzed: 02/05/2009 (9B06059-MSD1)					Source: ISA2624-04RE1					
Aroclor 1016	225	50	ug/kg	266	ND	85	50-120	3	30	
Aroclor 1260	233	50	ug/kg	266	ND	87	50-125	3	30	
Surrogate: Decachlorobiphenyl	32.0		ug/kg	33.3		96	45-120			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 9A30128 Extracted: 01/30/09</u>										
Blank Analyzed: 01/30/2009 (9A30128-BLK1)										
Mercury	ND	0.020	mg/kg							
LCS Analyzed: 01/30/2009 (9A30128-BS1)										
Mercury	0.774	0.020	mg/kg	0.800		97	80-120			
Matrix Spike Analyzed: 01/30/2009 (9A30128-MS1)										
Mercury	0.776	0.020	mg/kg	0.800	ND	97	70-130			
Matrix Spike Dup Analyzed: 01/30/2009 (9A30128-MSD1)										
Mercury	0.763	0.020	mg/kg	0.800	ND	95	70-130	2	20	
<u>Batch: 9B03103 Extracted: 02/03/09</u>										
Blank Analyzed: 02/03/2009 (9B03103-BLK1)										
Mercury	ND	0.020	mg/kg							
LCS Analyzed: 02/03/2009 (9B03103-BS1)										
Mercury	0.766	0.020	mg/kg	0.800		96	80-120			
Matrix Spike Analyzed: 02/03/2009 (9B03103-MS1)										
Mercury	0.759	0.020	mg/kg	0.800	ND	95	70-130			
Matrix Spike Dup Analyzed: 02/03/2009 (9B03103-MSD1)										
Mercury	0.747	0.020	mg/kg	0.800	ND	93	70-130	2	20	
<u>Batch: 9B04078 Extracted: 02/04/09</u>										
Blank Analyzed: 02/04/2009 (9B04078-BLK1)										
Mercury	ND	0.00020	mg/l							

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 9B04078 Extracted: 02/04/09</u>										
LCS Analyzed: 02/04/2009 (9B04078-BS1)										
Mercury	0.00851	0.00020	mg/l	0.00800		106	80-120			
Matrix Spike Analyzed: 02/04/2009 (9B04078-MS1)										
Mercury	0.00326	0.00020	mg/l	0.00800	ND	41	70-130			M2
Matrix Spike Dup Analyzed: 02/04/2009 (9B04078-MSD1)										
Mercury	0.00322	0.00020	mg/l	0.00800	ND	40	70-130	1	20	M2
<u>Batch: 9B04124 Extracted: 02/04/09</u>										
Blank Analyzed: 02/05/2009 (9B04124-BLK1)										
Antimony	ND	10	mg/kg							
Arsenic	ND	2.0	mg/kg							
Barium	ND	1.0	mg/kg							
Beryllium	ND	0.50	mg/kg							
Cadmium	ND	0.50	mg/kg							
Chromium	ND	1.0	mg/kg							
Cobalt	ND	1.0	mg/kg							
Copper	ND	2.0	mg/kg							
Lead	ND	2.0	mg/kg							
Molybdenum	ND	2.0	mg/kg							
Nickel	ND	2.0	mg/kg							
Selenium	ND	2.0	mg/kg							
Silver	ND	1.0	mg/kg							
Thallium	ND	10	mg/kg							
Vanadium	ND	1.0	mg/kg							
Zinc	ND	5.0	mg/kg							

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ASCON Landfill SB0320
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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B04124 Extracted: 02/04/09										
LCS Analyzed: 02/05/2009 (9B04124-BS1)										
Antimony	46.7	10	mg/kg	50.0		93	80-120			
Arsenic	47.9	2.0	mg/kg	50.0		96	80-120			
Barium	48.7	1.0	mg/kg	50.0		97	80-120			
Beryllium	47.6	0.50	mg/kg	50.0		95	80-120			
Cadmium	47.1	0.50	mg/kg	50.0		94	80-120			
Chromium	47.3	1.0	mg/kg	50.0		95	80-120			
Cobalt	46.4	1.0	mg/kg	50.0		93	80-120			
Copper	48.1	2.0	mg/kg	50.0		96	80-120			
Lead	47.6	2.0	mg/kg	50.0		95	80-120			
Molybdenum	45.7	2.0	mg/kg	50.0		91	80-120			
Nickel	48.1	2.0	mg/kg	50.0		96	80-120			
Selenium	44.6	2.0	mg/kg	50.0		89	80-120			
Silver	24.2	1.0	mg/kg	25.0		97	80-120			
Thallium	46.5	10	mg/kg	50.0		93	80-120			
Vanadium	47.9	1.0	mg/kg	50.0		96	80-120			
Zinc	45.0	5.0	mg/kg	50.0		90	80-120			

Matrix Spike Analyzed: 02/05/2009 (9B04124-MS1)

Source: ISA2686-01

Antimony	42.5	10	mg/kg	50.0	ND	85	75-125			
Arsenic	71.2	2.0	mg/kg	50.0	24.5	93	75-125			
Barium	319	1.0	mg/kg	50.0	270	97	75-125			MHA
Beryllium	47.0	0.50	mg/kg	50.0	ND	94	75-125			
Cadmium	44.7	0.50	mg/kg	50.0	0.277	89	75-125			
Chromium	79.9	1.0	mg/kg	50.0	36.3	87	75-125			
Cobalt	48.6	1.0	mg/kg	50.0	5.73	86	75-125			
Copper	127	2.0	mg/kg	50.0	79.4	95	75-125			
Lead	61.0	2.0	mg/kg	50.0	16.7	89	75-125			
Molybdenum	51.0	2.0	mg/kg	50.0	7.67	87	75-125			
Nickel	64.1	2.0	mg/kg	50.0	20.2	88	75-125			
Selenium	46.9	2.0	mg/kg	50.0	3.93	86	75-125			
Silver	25.2	1.0	mg/kg	25.0	0.921	97	75-125			
Thallium	40.9	10	mg/kg	50.0	ND	82	75-125			
Vanadium	93.7	1.0	mg/kg	50.0	47.5	93	75-125			
Zinc	693	5.0	mg/kg	50.0	657	73	75-125			MHA

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Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B04124 Extracted: 02/04/09										
Matrix Spike Dup Analyzed: 02/05/2009 (9B04124-MSD1)					Source: ISA2686-01					
Antimony	39.4	10	mg/kg	50.0	ND	79	75-125	7	20	MHA
Arsenic	69.9	2.0	mg/kg	50.0	24.5	91	75-125	2	20	
Barium	300	1.0	mg/kg	50.0	270	60	75-125	6	20	
Beryllium	46.0	0.50	mg/kg	50.0	ND	92	75-125	2	20	
Cadmium	44.7	0.50	mg/kg	50.0	0.277	89	75-125	0	20	
Chromium	76.8	1.0	mg/kg	50.0	36.3	81	75-125	4	20	
Cobalt	48.4	1.0	mg/kg	50.0	5.73	85	75-125	1	20	
Copper	125	2.0	mg/kg	50.0	79.4	91	75-125	2	20	
Lead	59.7	2.0	mg/kg	50.0	16.7	86	75-125	2	20	
Molybdenum	52.9	2.0	mg/kg	50.0	7.67	90	75-125	4	20	
Nickel	64.4	2.0	mg/kg	50.0	20.2	88	75-125	1	20	MHA
Selenium	46.0	2.0	mg/kg	50.0	3.93	84	75-125	2	20	
Silver	24.5	1.0	mg/kg	25.0	0.921	94	75-125	3	20	
Thallium	39.8	10	mg/kg	50.0	ND	80	75-125	3	20	
Vanadium	90.0	1.0	mg/kg	50.0	47.5	85	75-125	4	20	
Zinc	687	5.0	mg/kg	50.0	657	61	75-125	1	20	

Batch: 9B05128 Extracted: 02/05/09

Blank Analyzed: 02/06/2009-02/07/2009 (9B05128-BLK1)

Antimony	ND	0.010	mg/l
Arsenic	ND	0.010	mg/l
Barium	ND	0.010	mg/l
Beryllium	ND	0.0040	mg/l
Cadmium	ND	0.0050	mg/l
Chromium	ND	0.0050	mg/l
Cobalt	ND	0.010	mg/l
Copper	ND	0.010	mg/l
Lead	ND	0.0050	mg/l
Molybdenum	ND	0.020	mg/l
Nickel	ND	0.010	mg/l
Selenium	ND	0.010	mg/l
Silver	ND	0.010	mg/l
Thallium	ND	0.010	mg/l
Vanadium	ND	0.010	mg/l
Zinc	ND	0.020	mg/l

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Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B05128 Extracted: 02/05/09										
LCS Analyzed: 02/06/2009-02/07/2009 (9B05128-BS1)										
Antimony	0.937	0.010	mg/l	1.00		94	80-120			
Arsenic	0.976	0.010	mg/l	1.00		98	80-120			
Barium	0.998	0.010	mg/l	1.00		100	80-120			
Beryllium	0.987	0.0040	mg/l	1.00		99	80-120			
Cadmium	0.971	0.0050	mg/l	1.00		97	80-120			
Chromium	0.924	0.0050	mg/l	1.00		92	80-120			
Cobalt	0.948	0.010	mg/l	1.00		95	80-120			
Copper	0.987	0.010	mg/l	1.00		99	80-120			
Lead	0.967	0.0050	mg/l	1.00		97	80-120			
Molybdenum	0.906	0.020	mg/l	1.00		91	80-120			
Nickel	0.964	0.010	mg/l	1.00		96	80-120			
Selenium	0.913	0.010	mg/l	1.00		91	80-120			
Silver	0.496	0.010	mg/l	0.500		99	80-120			
Thallium	0.987	0.010	mg/l	1.00		99	80-120			
Vanadium	0.995	0.010	mg/l	1.00		99	80-120			
Zinc	0.926	0.020	mg/l	1.00		93	80-120			

Matrix Spike Analyzed: 02/07/2009 (9B05128-MS1)

Source: ISA2668-11

Antimony	0.989	0.020	mg/l	1.00	ND	99	75-125
Arsenic	1.00	0.020	mg/l	1.00	ND	100	75-125
Barium	1.83	0.020	mg/l	1.00	0.788	105	75-125
Beryllium	0.996	0.0080	mg/l	1.00	ND	100	75-125
Cadmium	0.981	0.010	mg/l	1.00	ND	98	75-125
Chromium	0.996	0.010	mg/l	1.00	ND	100	75-125
Cobalt	0.949	0.020	mg/l	1.00	ND	95	75-125
Copper	1.06	0.020	mg/l	1.00	ND	106	75-125
Lead	1.00	0.010	mg/l	1.00	ND	100	75-125
Molybdenum	0.980	0.040	mg/l	1.00	ND	98	75-125
Nickel	0.973	0.020	mg/l	1.00	ND	97	75-125
Selenium	0.937	0.020	mg/l	1.00	ND	94	75-125
Silver	0.539	0.020	mg/l	0.500	ND	108	75-125
Thallium	0.967	0.020	mg/l	1.00	ND	97	75-125
Vanadium	1.02	0.020	mg/l	1.00	ND	102	75-125
Zinc	0.954	0.040	mg/l	1.00	ND	95	75-125

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ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B05128 Extracted: 02/05/09										
Matrix Spike Dup Analyzed: 02/07/2009 (9B05128-MSD1)					Source: ISA2668-11					
Antimony	0.974	0.020	mg/l	1.00	ND	97	75-125	1	20	
Arsenic	0.978	0.020	mg/l	1.00	ND	98	75-125	3	20	
Barium	1.83	0.020	mg/l	1.00	0.788	104	75-125	0	20	
Beryllium	0.985	0.0080	mg/l	1.00	ND	99	75-125	1	20	
Cadmium	0.973	0.010	mg/l	1.00	ND	97	75-125	1	20	
Chromium	0.981	0.010	mg/l	1.00	ND	98	75-125	1	20	
Cobalt	0.935	0.020	mg/l	1.00	ND	94	75-125	1	20	
Copper	1.06	0.020	mg/l	1.00	ND	106	75-125	0	20	
Lead	0.986	0.010	mg/l	1.00	ND	99	75-125	1	20	
Molybdenum	0.971	0.040	mg/l	1.00	ND	97	75-125	1	20	
Nickel	0.960	0.020	mg/l	1.00	ND	96	75-125	1	20	
Selenium	0.929	0.020	mg/l	1.00	ND	93	75-125	1	20	
Silver	0.537	0.020	mg/l	0.500	ND	107	75-125	0	20	
Thallium	0.944	0.020	mg/l	1.00	ND	94	75-125	2	20	
Vanadium	1.02	0.020	mg/l	1.00	ND	102	75-125	0	20	
Zinc	0.963	0.040	mg/l	1.00	ND	96	75-125	1	20	

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Report Number: ISA2736

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METHOD BLANK/QC DATA

TCLP METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 9B24161 Extracted: 02/24/09</u>										
Blank Analyzed: 02/25/2009-02/26/2009 (9B24161-BLK1)										
Barium	0.254	0.20	mg/l							B
Cadmium	ND	0.10	mg/l							
Chromium	ND	0.10	mg/l							
Lead	ND	0.10	mg/l							
LCS Analyzed: 02/25/2009 (9B24161-BS1)										
Barium	2.25	0.20	mg/l	2.00		112	80-120			
Cadmium	1.94	0.10	mg/l	2.00		97	80-120			
Chromium	1.95	0.10	mg/l	2.00		97	80-120			
Lead	1.96	0.10	mg/l	2.00		98	80-120			
Matrix Spike Analyzed: 02/25/2009 (9B24161-MS1)										
					Source: ISA2736-01					
Barium	19.1	0.20	mg/l	2.00	17.4	85	75-125			
Cadmium	1.86	0.10	mg/l	2.00	ND	93	75-125			
Chromium	2.24	0.10	mg/l	2.00	0.319	96	75-125			
Lead	5.60	0.10	mg/l	2.00	3.74	93	75-125			

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Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

STLC METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 9B22037 Extracted: 02/22/09</u>										
Blank Analyzed: 02/23/2009 (9B22037-BLK1)										
Arsenic	ND	0.20	mg/l							
Barium	ND	0.20	mg/l							
Cadmium	ND	0.10	mg/l							
Chromium	ND	0.10	mg/l							
Lead	ND	0.10	mg/l							
Nickel	ND	0.20	mg/l							
Zinc	ND	0.40	mg/l							
LCS Analyzed: 02/23/2009 (9B22037-BS1)										
Arsenic	20.4	0.20	mg/l	20.0		102	80-120			
Barium	18.8	0.20	mg/l	20.0		94	80-120			
Cadmium	20.3	0.10	mg/l	20.0		102	80-120			
Chromium	20.6	0.10	mg/l	20.0		103	80-120			
Lead	19.8	0.10	mg/l	20.0		99	80-120			
Nickel	19.9	0.20	mg/l	20.0		99	80-120			
Zinc	18.5	0.40	mg/l	20.0		92	80-120			
Matrix Spike Analyzed: 02/23/2009 (9B22037-MS1)										
				Source: ISB0931-01						
Arsenic	30.6	0.20	mg/l	20.0	11.2	97	75-125			
Barium	19.9	0.20	mg/l	20.0	1.32	93	75-125			
Cadmium	19.6	0.10	mg/l	20.0	ND	98	75-125			
Chromium	20.2	0.10	mg/l	20.0	0.207	100	75-125			
Lead	19.4	0.10	mg/l	20.0	0.385	95	75-125			
Nickel	19.4	0.20	mg/l	20.0	0.337	96	75-125			
Zinc	17.8	0.40	mg/l	20.0	0.321	87	75-125			
Matrix Spike Dup Analyzed: 02/23/2009 (9B22037-MSD1)										
				Source: ISB0931-01						
Arsenic	31.2	0.20	mg/l	20.0	11.2	100	75-125	2	20	
Barium	20.0	0.20	mg/l	20.0	1.32	93	75-125	1	20	
Cadmium	20.1	0.10	mg/l	20.0	ND	100	75-125	3	20	
Chromium	20.5	0.10	mg/l	20.0	0.207	102	75-125	2	20	
Lead	19.8	0.10	mg/l	20.0	0.385	97	75-125	2	20	
Nickel	20.0	0.20	mg/l	20.0	0.337	98	75-125	3	20	
Zinc	17.9	0.40	mg/l	20.0	0.321	88	75-125	1	20	

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Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

STLC METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 9C02075 Extracted: 03/02/09</u>										
Blank Analyzed: 03/02/2009 (9C02075-BLK1)										
Mercury	ND	0.0020	mg/l							
LCS Analyzed: 03/02/2009 (9C02075-BS1)										
Mercury	0.0819	0.0020	mg/l	0.0800		102	80-120			
Matrix Spike Analyzed: 03/02/2009 (9C02075-MS1)										
Mercury	0.0812	0.0020	mg/l	0.0800	ND	101	70-130			
Matrix Spike Dup Analyzed: 03/02/2009 (9C02075-MSD1)										
Mercury	0.0790	0.0020	mg/l	0.0800	ND	99	70-130	3	20	

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METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 9A31054 Extracted: 01/31/09</u>										
Duplicate Analyzed: 02/01/2009 (9A31054-DUP1)					Source: ISA2736-04					
pH	7.94	0.100	pH Units		7.94			0	5	
Duplicate Analyzed: 02/01/2009 (9A31054-DUP2)					Source: ISA2736-12					
pH	8.73	0.100	pH Units		8.72			0	5	
<u>Batch: 9B06094 Extracted: 02/06/09</u>										
Duplicate Analyzed: 02/06/2009 (9B06094-DUP1)					Source: ISA2736-01					
Free Liquid	Not Present	NA	N/A		ND				200	

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Joseph Doak
Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

METHOD BLANK/QC DATA

SPECIFIC GRAVITY

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B23059 Extracted: 02/23/09									
Duplicate Analyzed: 02/23/2009 (9B23059-DUP1)									
Specific Gravity	1.14	NA	N/A		Source: ISA2736-01RE1 1.14		0	10	

TestAmerica Irvine

Joseph Doak
Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

GC CALIBRATION CHECK CRITERIA

Per Method 8000B of SW-846, the percent recovery of the calibration checks for GC analyses must be within $\pm 15\%$ from the true value for each individual compound or the average % recovery of all compounds in the calibration check solution must be within $\pm 15\%$ recovery. Per Method 8000B, the end user is to be notified if the latter situation occurs.

The % recovery for the following individual compounds fell outside the $\pm 15\%$ criteria, however the average % recovery of all compounds in the calibration check solution was within $\pm 15\%$, thus meeting the overall calibration check criteria.

Calibration Check				
Compound	Footnote	% Recovery	Lab Number	Batch
4,4'-DDD	1	176	ISA2736-01	9A30115
4,4'-DDD	1	176	ISA2736-02	9A30115
4,4'-DDD	1	176	ISA2736-03	9A30115
4,4'-DDD	1	176	ISA2736-04	9A30115
4,4'-DDD	1	176	ISA2736-05	9A30115
4,4'-DDD	1	176	ISA2736-06	9A30115
4,4'-DDD	1	176	ISA2736-07	9A30115
4,4'-DDD	1	176	ISA2736-08	9A30115
4,4'-DDD	1	176	ISA2736-09	9A30115
4,4'-DDD	1	176	ISA2736-10	9A30115
4,4'-DDE	1	125	ISA2736-01	9A30115
4,4'-DDE	1	125	ISA2736-02	9A30115
4,4'-DDE	1	125	ISA2736-03	9A30115
4,4'-DDE	1	125	ISA2736-04	9A30115
4,4'-DDE	1	125	ISA2736-05	9A30115
4,4'-DDE	1	125	ISA2736-06	9A30115
4,4'-DDE	1	125	ISA2736-07	9A30115
4,4'-DDE	1	125	ISA2736-08	9A30115
4,4'-DDE	1	125	ISA2736-09	9A30115
4,4'-DDE	1	125	ISA2736-10	9A30115
4,4'-DDT	2	18	ISA2736-01	9A30115
4,4'-DDT	2	18	ISA2736-02	9A30115
4,4'-DDT	2	18	ISA2736-03	9A30115
4,4'-DDT	2	18	ISA2736-04	9A30115
4,4'-DDT	2	18	ISA2736-05	9A30115
4,4'-DDT	2	18	ISA2736-06	9A30115
4,4'-DDT	2	18	ISA2736-07	9A30115
4,4'-DDT	2	18	ISA2736-08	9A30115
4,4'-DDT	2	18	ISA2736-09	9A30115
4,4'-DDT	2	18	ISA2736-10	9A30115
Endrin ketone	2	65	ISA2736-01	9A30115
Endrin ketone	2	65	ISA2736-02	9A30115
Endrin ketone	2	65	ISA2736-03	9A30115
Endrin ketone	2	65	ISA2736-04	9A30115
Endrin ketone	2	65	ISA2736-05	9A30115

TestAmerica Irvine

Joseph Doak
Project Manager

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Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

GC CALIBRATION CHECK CRITERIA

Per Method 8000B of SW-846, the percent recovery of the calibration checks for GC analyses must be within $\pm 15\%$ from the true value for each individual compound or the average % recovery of all compounds in the calibration check solution must be within $\pm 15\%$ recovery. Per Method 8000B, the end user is to be notified if the latter situation occurs.

The % recovery for the following individual compounds fell outside the $\pm 15\%$ criteria, however the average % recovery of all compounds in the calibration check solution was within $\pm 15\%$, thus meeting the overall calibration check criteria.

Calibration Check				
Compound	Footnote	% Recovery	Lab Number	Batch
Endrin ketone	2	65	ISA2736-06	9A30115
Endrin ketone	2	65	ISA2736-07	9A30115
Endrin ketone	2	65	ISA2736-08	9A30115
Endrin ketone	2	65	ISA2736-09	9A30115
Endrin ketone	2	65	ISA2736-10	9A30115
Methoxychlor	2	37	ISA2736-01	9A30115
Methoxychlor	2	37	ISA2736-02	9A30115
Methoxychlor	2	37	ISA2736-03	9A30115
Methoxychlor	2	37	ISA2736-04	9A30115
Methoxychlor	2	37	ISA2736-05	9A30115
Methoxychlor	2	37	ISA2736-06	9A30115
Methoxychlor	2	37	ISA2736-07	9A30115
Methoxychlor	2	37	ISA2736-08	9A30115
Methoxychlor	2	37	ISA2736-09	9A30115
Methoxychlor	2	37	ISA2736-10	9A30115

Footnotes:

- The calibration demonstrated a high bias for this compound. Samples were flagged to indicate a possible high bias in the result for this compound.
- The calibration demonstrated a low bias for this compound. Samples were flagged to indicate a possible low bias in the result for this compound.

TestAmerica Irvine

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Project Manager

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ISA2736 <Page 122 of 124>

Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

DATA QUALIFIERS AND DEFINITIONS

A-01	Sample result might be biased high due to coelution of Aroclors 1242 and 1260.
A-01a	Sample result might be biased high due to coelution of Aroclors 1242 and 1254.
A-01b	Sample result might be biased high due to coelution of Aroclors 1242 and 1254 .
A-01c	Sample result might be biased high due to coelution of Aroclors 1242, 1254 and 1260.
A-01d	Sample result might be biased high due to coelution of Aroclors 1242, 1254 and 1260. The data was reprocessed in a different way as the calibration 3 peaks in the confirmation column.
A-01e	Sample result might be biased high due to coelution of Aroclors 1242, 1254 and 1260. The data was reprocessed in a different way as the calibration 4 peaks were used in the primary column .
B	Analyte was detected in the associated Method Blank.
B-1	Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
C-1	Calibration Verification recovery was above the method control limit for this analyte, however the average % difference for all analytes met method criteria. See Calibration Summary form.
C-2	Calibration Verification recovery was below the method control limit for this analyte, however the average % difference for all analytes met method criteria. See Calibration Summary form.
M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
MNR	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
RL1	Reporting limit raised due to sample matrix effects.
RL2	Reporting limit raised due to high concentrations of hydrocarbons.
Z3	The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For 1,2-Diphenylhydrazine:

The result for 1,2-Diphenylhydrazine is based upon the reading of its breakdown product, Azobenzene.

For Hydrocarbon Distribution Analyses:

The reporting limits for the individual carbon distribution ranges are derived by proportioning the individual ranges relative to the total carbon range, not to fall below the method detection limit of the total range.

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

TestAmerica Irvine

Joseph Doak
Project Manager

Geosyntec Consultants/Project Navigator - Ascon
2100 Main Street, Suite 150
Huntington Beach, CA 92648
Attention: Kevin Coffman

Project ID: Tar Analysis
ASCON Landfill SB0320
Report Number: ISA2736

Sampled: 01/28/09
Received: 01/28/09

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
6010B-STLC	Solid	X	X
6010B-TCLP	Solid	X	X
7470A-STLC	Solid	X	X
ASTM	Solid		
EPA 1311-Met	Solid	X	X
EPA 3545/8081A	Solid	X	X
EPA 6010B	Solid	X	X
EPA 6010B	Water	X	X
EPA 7470A	Water	X	X
EPA 7471A	Solid	X	X
EPA 8015 MOD.	Solid	X	X
EPA 8082	Solid	X	X
EPA 8260B	Solid	X	X
EPA 8270C	Solid	X	X
EPA 9045C	Solid	X	X
STLC-Met	Solid	X	X
SW-846 9095A	Solid		

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

Subcontracted Laboratories

Aquatic Testing Laboratories-SUB California Cert #1775

4350 Transport Street, Unit 107 - Ventura, CA 93003

Analysis Performed: Bioassay-Haz. Waste

Samples: ISA2736-01, ISA2736-02, ISA2736-03, ISA2736-04, ISA2736-06, ISA2736-07, ISA2736-08, ISA2736-09

PTS Labs-SUB

8100 Secura Way - Santa Fe Springs, CA 90670

Analysis Performed: Outside Analysis

Samples: ISA2736-01, ISA2736-02, ISA2736-03, ISA2736-04, ISA2736-06, ISA2736-07, ISA2736-08, ISA2736-09

TestAmerica Irvine

Joseph Doak
Project Manager

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ADDITIONAL ANALYSIS REQUEST FORM

Today's Date: 2-12-9 Del Mar Analytical Project Manager: J Doak

Request via: ☒ telephone ☐ chain of custody form ☐ fax transmission ☐ E-mail ☐ other

Client: Geosyntec Contact: Jessica Ramirez

Project: Tar Analysis

Date Sampled: 1-28-9 Date Received: 1-28-9

Status: ☒ in progress ☐ completed ☐ received today ☐ received yesterday ☐ on hold ☐ other

SAMPLE
NUMBER

SAMPLE
DESCRIPTION

ANALYSIS
REQUESTED

SPECIAL
REQUIREMENTS

ISA 2736-01

L F N

~~of H TCLP + STLC Lead~~

-02

L1-S

-03

L1-E

-04

L1-W

-05

L1-w dup

-06

L2-N

-07

L2-S

-08

L2-E

-09

L2-W

-10

L2-w dup

On Same Work Order

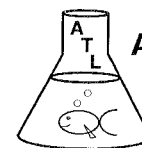
TURNAROUND STATUS: ☐ Same Day ☐ 24hr ☒ 48hr ☐ 5days ☒ Standard ☐ No Rush Charge

17461 Derian Ave., #100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
1014 E. Cooley Dr., Suite A, Coitton, CA 92324 (909) 370-4667 FAX (909) 370-1046
99830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Client Name/Address:		Project/PO Number:		Phone Number:		Fax Number:		Analysis Required		Special Instructions	
Geosyntec Consultants 924 Anacapa St., Ste. 4A Santa Barbara, CA 93101		ASCON Landfill SB0320		805-897-3800		805-899-8689		pH Paint Filter PCBs 8082 Pesticides 8081A HC Distribution 8015B (C8-C10) T.H. 22 metals 6010B/7071 SVOCs 8270C VOCs 8260B		Bio Assay Specific Gravity ASTM D-69	
Project Manager: Jeff Zukin		Sample Description		Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Please hold samples for further analysis Exclude last 4 analyses	
L1-N	Tar	Jar	54	1-28-09	0740	-				X	X
L1-S	Tar	Jar	54		0815	-				X	X
L1-E	Tar	Jar	54		0755	-				X	X
L1-W	Tar	Jar	54		0825	-				X	X
L1-W-dup	Tar	Jar	3		-	-				X	X
L2-N	Tar	Jar	54		1105	-				X	X
L2-S	Tar	Jar	54		1230	-				X	X
L2-E	Tar	Jar	54		1030	-				X	X
L2-W	Tar	Jar	54		1210	-				X	X
L2-W-dup	Tar	Jar	3		-	-				X	X
Relinquished By: Kevin Coffman		Date/Time: 1-28-09/1550		Received By: Pub Sheridan		Date/Time: 1-28-09 1550		Turnaround Time: (Check)		72 hours 5 days normal	
Relinquished By: Pub Sheridan		Date/Time: 1-28-09 1630		Received By: Pub Sheridan		Date/Time: 1-28-09 1630		Sample Integrity: (Check)		intact on ice	
Relinquished By: Pub Sheridan		Date/Time: 1-28-09 1630		Received By: Pub Sheridan		Date/Time: 1-28-09 1630		Sample Integrity: (Check)		intact on ice	

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LABORATORY REPORT



**Aquatic
Testing
Laboratories**

"dedicated to providing quality aquatic toxicity testing"

4350 Transport Street, Unit 107
Ventura, CA 93003
(805) 650-0546 FAX (805) 650-0756
CA DOHS ELAP Cert. No.: 1775

Date: February 7, 2009

Client: TestAmerica, Irvine
17461 Derian Ave., Suite 100
Irvine, CA 92614
Attn: Joseph Doak

Laboratory No.: A-09020203-001/08
Sample ID.: ISA2736-01/04, 06/09

Sample Control: The samples were received by ATL in a chilled state, with the chain of custody record attached.

Date Sampled: 01/28/09
Date Received: 02/02/09
Date Tested: 02/03/09 to 02/07/09

Sample Analysis: The following analyses were performed on your sample:

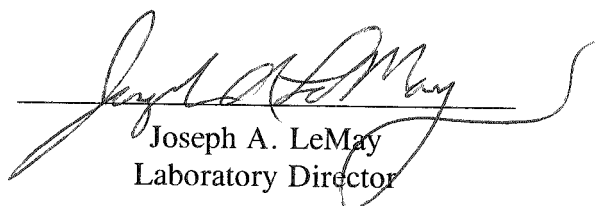
CCR Title 22 Fathead Minnow Hazardous Waste Screen Bioassay (Polisini & Miller 1988).

Attached are the test data generated from the analysis of your sample.

Result Summary:

<u>Sample ID.</u>	<u>Results</u>
ISA2736-01	PASSED (LC50 > 750 mg/l)
ISA2736-02	PASSED (LC50 > 750 mg/l)
ISA2736-03	PASSED (LC50 > 750 mg/l)
ISA2736-04	PASSED (LC50 > 750 mg/l)
ISA2736-06	PASSED (LC50 > 750 mg/l)
ISA2736-07	PASSED (LC50 > 750 mg/l)
ISA2736-08	PASSED (LC50 > 750 mg/l)
ISA2736-09	PASSED (LC50 > 750 mg/l)

Quality Control: Reviewed and approved by:


Joseph A. LeMay
Laboratory Director

FATHEAD MINNOW HAZARDOUS WASTE SCREEN BIOASSAY



Lab No.: A09020203-001

Client/ID: TA ISA2736-01E

TEST SUMMARY

Species: *Pimephales promelas*.

Fish length (mm): av: 28; min: 26; max: 29.

Fish weight (gm): av: 0.39; min: 0.36; max: 0.43.

Test chamber volume: 10 liters.

Temperature: 20 +/- 2°C.

Aeration: Single bubble through 30 bore tube.

Number of replicates: 2.

Dilution water: Soft reconstituted water (40 - 48 mg/l CaCO₃).

QA/QC Batch No.: RT-090201.

Source: In-Lab Culture.

Regulations: CCR Title 22.

Test Protocol: California F&G/DHS 1988.

Endpoints: Survival at 96 hrs.

Test type: Static.

Feeding: None.

Number of fish per chamber: 10.

Photoperiod: 16/8 hrs light/dark.

TEST DATA

	INITIAL				24 Hr				48 Hr				72 Hr				96 Hr			
Date/Time:	2-3-09 1100				2-4-09 1100				2-5-09 1100				2-6-09 1100				2-7-09 1100			
Analyst:	Rm				Rm				Rm				Rm				Rm			
	°C	DO	pH		°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D
Control A	19.9	8.6	7.0		20.9	8.5	7.0	0	21.0	8.6	7.0	0	21.0	8.5	7.0	0	20.8	8.4	7.0	0
Control B	19.8	8.6	7.0		20.8	8.5	7.0	0	20.9	8.6	7.0	0	20.9	8.4	7.0	0	20.7	8.3	7.0	0
400 mg/l A	19.6	8.7	7.2		20.8	8.2	7.0	0	20.9	8.1	6.9	0	20.7	8.2	6.9	0	20.9	8.2	6.9	0
400 mg/l B	19.5	8.8	7.2		20.7	8.3	7.0	0	20.8	7.8	6.9	0	20.6	7.7	6.9	0	20.8	8.0	6.9	0
750 mg/l A	19.6	8.6	7.6		20.7	7.9	7.3	0	20.8	6.8	6.8	0	20.6	6.7	6.9	0	20.8	7.4	6.9	0
750 mg/l B	19.5	8.7	7.6		20.6	8.0	7.4	0	20.7	7.5	6.8	0	20.5	7.4	6.9	0	20.7	7.3	6.9	0
Comments: Extraction method: Mechanical shaking <u>X</u> . None (aqueous solution) <u>-</u> . Dissolved Oxygen (DO) readings in mg/l O ₂ .																				

	CONTROL		HIGH CONCENTRATION		Total Number Dead	
	Alkalinity	Hardness	Alkalinity	Hardness	Control	
Initial	33 mg/l CaCO ₃	41 mg/l CaCO ₃	41 mg/l CaCO ₃	51 mg/l CaCO ₃	0	/20
Final	31 mg/l CaCO ₃	40 mg/l CaCO ₃	51 mg/l CaCO ₃	68 mg/l CaCO ₃	0	/20
					750 mg/l	0 /20

RESULTS		
(the checked result applies based on fish survival rates)		
<u>X</u>	PASSED	LC50 > 750 mg/l (<40% dead in 750 mg/l conc.)
<u>-</u>	FAILED	≥40% dead in 750 mg/l (close to passing - definitive test recommended)
<u>-</u>	FAILED	LC50 < 400 mg/l (>60% dead in 400 mg/l conc.)

FATHEAD MINNOW HAZARDOUS WASTE SCREEN BIOASSAY



Lab No.: A09020203-002

Client/ID: TA ISA2736-02F

TEST SUMMARY

Species: *Pimephales promelas*.

Fish length (mm): av: 28; min: 26; max: 29.

Fish weight (gm): av: 0.39; min: 0.36; max: 0.43.

Test chamber volume: 10 liters.

Temperature: 20 +/- 2°C.

Aeration: Single bubble through 30 bore tube.

Number of replicates: 2.

Dilution water: Soft reconstituted water (40 - 48 mg/l CaCO₃).

QA/QC Batch No.: RT-090201.

Source: In-Lab Culture.

Regulations: CCR Title 22.

Test Protocol: California F&G/DHS 1988.

Endpoints: Survival at 96 hrs.

Test type: Static.

Feeding: None.

Number of fish per chamber: 10.

Photoperiod: 16/8 hrs light/dark.

TEST DATA

	INITIAL			24 Hr				48 Hr				72 Hr				96 Hr			
Date/Time:	2-3-09 1100			2-4-09 1100				2-5-09 1100				2-6-09 1100				2-7-09 1100			
Analyst:	R			R				R				R				R			
	°C	DO	pH	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D
Control A	19.9	8.6	7.0	20.9	8.5	7.0	0	21.0	8.6	7.0	0	21.0	8.5	7.0	0	20.8	8.4	7.0	0
Control B	19.8	8.6	7.0	20.8	8.5	7.0	0	20.9	8.6	7.0	0	20.9	8.4	7.0	0	20.7	8.3	7.0	0
400 mg/l A	19.7	8.8	7.2	20.8	8.5	7.1	0	20.9	8.2	6.9	0	20.8	7.8	6.9	0	21.0	8.2	7.0	0
400 mg/l B	19.6	8.7	7.2	20.7	8.4	7.1	0	20.8	8.1	6.9	0	20.7	7.9	6.9	0	20.9	8.1	7.0	0
750 mg/l A	19.5	8.8	7.3	20.6	8.4	7.1	0	20.7	8.3	6.9	0	20.7	8.0	7.0	0	20.8	8.1	7.0	0
750 mg/l B	19.5	8.7	7.3	20.6	8.3	7.1	0	20.7	8.4	6.9	0	20.6	8.1	7.0	0	20.7	8.6	6.9	0
Comments: Extraction method: Mechanical shaking ☒ . None (aqueous solution) ☐ . Dissolved Oxygen (DO) readings in mg/l O ₂ .																			

	CONTROL		HIGH CONCENTRATION		Total Number Dead	
	Alkalinity	Hardness	Alkalinity	Hardness	Control	
Initial	33 mg/l CaCO ₃	41 mg/l CaCO ₃	41 mg/l CaCO ₃	49 mg/l CaCO ₃	Control	0 /20
Final	31 mg/l CaCO ₃	40 mg/l CaCO ₃	43 mg/l CaCO ₃	54 mg/l CaCO ₃	400 mg/l	0 /20
					750 mg/l	0 /20

RESULTS

(the checked result applies based on fish survival rates)

☒	PASSED	LC50 > 750 mg/l (<40% dead in 750 mg/l conc.)
☐	FAILED	≥40% dead in 750 mg/l (close to passing - definitive test recommended)
☐	FAILED	LC50 < 400 mg/l (>60% dead in 400 mg/l conc.)

FATHEAD MINNOW HAZARDOUS WASTE SCREEN BIOASSAY



Lab No.: A09020203-003

Client/ID: TA ISA2736-03 E

TEST SUMMARY

Species: *Pimephales promelas*.

Fish length (mm): av: 28; min: 26; max: 29.

Fish weight (gm): av: 0.39; min: 0.36; max: 0.43.

Test chamber volume: 10 liters.

Temperature: 20 +/- 2°C.

Aeration: Single bubble through 30 bore tube.

Number of replicates: 2.

Dilution water: Soft reconstituted water (40 - 48 mg/l CaCO₃).

QA/QC Batch No.: RT-090201.

Source: In-Lab Culture.

Regulations: CCR Title 22.

Test Protocol: California F&G/DHS 1988.

Endpoints: Survival at 96 hrs.

Test type: Static.

Feeding: None.

Number of fish per chamber: 10.

Photoperiod: 16/8 hrs light/dark.

TEST DATA

	INITIAL				24 Hr				48 Hr				72 Hr				96 Hr			
Date/Time:	2-3-09 1100				2-4-09 1000				2-5-09 1100				2-6-09 1100				2-7-09 1100			
Analyst:	Rm				Rm				Rm				Rm				Rm			
	°C	DO	pH		°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D
Control A	19.9	8.6	7.0		20.9	8.5	7.0	0	21.0	8.6	7.0	0	21.0	8.5	7.0	0	20.8	8.4	7.0	0
Control B	19.8	8.6	7.0		20.8	8.5	7.0	0	20.9	8.6	7.0	0	20.9	8.4	7.0	0	20.7	8.3	7.0	0
400 mg/l A	19.7	8.6	7.6		20.9	7.9	7.2	0	20.7	7.8	6.9	0	20.8	7.8	7.1	0	21.1	8.1	7.1	0
400 mg/l B	19.6	8.5	7.6		20.8	8.0	7.2	0	20.7	8.4	7.0	0	20.7	7.6	7.1	0	21.0	8.2	7.1	0
750 mg/l A	19.5	8.7	7.5		20.7	8.2	7.2	0	20.6	8.2	7.0	0	20.7	7.9	7.1	0	20.9	7.9	7.1	1
750 mg/l B	19.5	8.7	7.6		20.6	7.5	7.2	0	20.6	7.7	7.0	0	20.6	7.7	7.1	0	20.8	8.0	7.1	0
Comments: Extraction method: Mechanical shaking ☒ . None (aqueous solution) ☐ . Dissolved Oxygen (DO) readings in mg/l O ₂ .																				

	CONTROL		HIGH CONCENTRATION		Total Number Dead	
	Alkalinity	Hardness	Alkalinity	Hardness		
Initial	33 mg/l CaCO ₃	41 mg/l CaCO ₃	42 mg/l CaCO ₃	50 mg/l CaCO ₃	Control	0 /20
Final	31 mg/l CaCO ₃	40 mg/l CaCO ₃	48 mg/l CaCO ₃	62 mg/l CaCO ₃	400 mg/l	0 /20
					750 mg/l	1 /20

RESULTS

(the checked result applies based on fish survival rates)

☒	PASSED	LC50 > 750 mg/l (<40% dead in 750 mg/l conc.)
☐	FAILED	≥40% dead in 750 mg/l (close to passing - definitive test recommended)
☐	FAILED	LC50 < 400 mg/l (>60% dead in 400 mg/l conc.)

FATHEAD MINNOW HAZARDOUS WASTE SCREEN BIOASSAY



Lab No.: A09020203-004

Client/ID: TA TSA2736-04E

TEST SUMMARY

Species: *Pimephales promelas*.

Fish length (mm): av: 28; min: 26; max: 29.

Fish weight (gm): av: 0.39; min: 0.36; max: 0.43.

Test chamber volume: 10 liters.

Temperature: 20 +/- 2°C.

Aeration: Single bubble through 30 bore tube.

Number of replicates: 2.

Dilution water: Soft reconstituted water (40 - 48 mg/l CaCO₃).

QA/QC Batch No.: RT-090201.

Source: In-Lab Culture.

Regulations: CCR Title 22.

Test Protocol: California F&G/DHS 1988.

Endpoints: Survival at 96 hrs.

Test type: Static.

Feeding: None.

Number of fish per chamber: 10.

Photoperiod: 16/8 hrs light/dark.

TEST DATA

	INITIAL				24 Hr				48 Hr				72 Hr				96 Hr			
Date/Time:	2-3-09 1100				2-4-09 1000				2-5-09 1100				2-6-09 1100				2-7-09 1100			
Analyst:																				
	°C	DO	pH		°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D
Control A	19.9	8.6	7.0		20.9	8.5	7.0	0	21.0	8.6	7.0	0	21.0	8.5	7.0	0	20.8	8.4	7.0	0
Control B	19.8	8.6	7.0		20.8	8.5	7.0	0	20.9	8.6	7.0	0	20.9	8.4	7.0	0	20.7	8.3	7.0	0
400 mg/l A	19.7	8.7	7.3		20.8	8.2	7.1	0	20.7	8.2	7.0	0	20.9	7.6	7.1	0	21.0	8.0	7.1	0
400 mg/l B	19.6	8.6	7.3		20.7	8.1	7.1	0	20.6	8.2	7.0	0	20.8	7.9	7.1	0	20.9	8.1	7.1	0
750 mg/l A	19.5	8.5	7.3		20.6	8.0	7.1	0	20.5	7.4	6.9	0	20.8	7.2	7.0	0	20.8	7.5	7.0	0
750 mg/l B	19.5	8.6	7.3		20.6	8.2	7.1	0	20.5	7.1	6.9	0	20.7	7.0	7.0	0	20.8	7.8	7.0	1
Comments: Extraction method: Mechanical shaking <u>X</u> . None (aqueous solution) <u>—</u> . Dissolved Oxygen (DO) readings in mg/l O ₂ .																				

	CONTROL		HIGH CONCENTRATION		Total Number Dead	
	Alkalinity	Hardness	Alkalinity	Hardness		
Initial	33 mg/l CaCO ₃	41 mg/l CaCO ₃	40 mg/l CaCO ₃	49 mg/l CaCO ₃	Control	0 /20
Final	31 mg/l CaCO ₃	40 mg/l CaCO ₃	40 mg/l CaCO ₃	50 mg/l CaCO ₃	400 mg/l	0 /20
					750 mg/l	1 /20

RESULTS (the checked result applies based on fish survival rates)		
<u>X</u>	PASSED	LC50 > 750 mg/l (<40% dead in 750 mg/l conc.)
<u>—</u>	FAILED	≥40% dead in 750 mg/l (close to passing - definitive test recommended)
<u>—</u>	FAILED	LC50 < 400 mg/l (>60% dead in 400 mg/l conc.)

FATHEAD MINNOW HAZARDOUS WASTE SCREEN BIOASSAY



Lab No.: A09020207-005

Client/ID: TA ISA2736-06E

TEST SUMMARY

Species: *Pimephales promelas*.

Fish length (mm): av: 28; min: 26; max: 29.

Fish weight (gm): av: 0.39; min: 0.36; max: 0.43.

Test chamber volume: 10 liters.

Temperature: 20 +/- 2°C.

Aeration: Single bubble through 30 bore tube.

Number of replicates: 2.

Dilution water: Soft reconstituted water (40 - 48 mg/l CaCO₃).

QA/QC Batch No.: RT-090201.

Source: In-Lab Culture.

Regulations: CCR Title 22.

Test Protocol: California F&G/DHS 1988.

Endpoints: Survival at 96 hrs.

Test type: Static.

Feeding: None.

Number of fish per chamber: 10.

Photoperiod: 16/8 hrs light/dark.

TEST DATA

	INITIAL				24 Hr				48 Hr				72 Hr				96 Hr			
Date/Time:	<u>2-3-09 1100</u>				<u>2-4-09 1000</u>				<u>2-5-09 1100</u>				<u>2-6-09 1100</u>				<u>2-7-09 1100</u>			
Analyst:	<u>R</u>				<u>R</u>				<u>R</u>				<u>R</u>				<u>R</u>			
	°C	DO	pH		°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D
Control A	<u>19.9</u>	<u>8.6</u>	<u>7.0</u>		<u>20.9</u>	<u>8.5</u>	<u>7.0</u>	<u>0</u>	<u>21.0</u>	<u>8.6</u>	<u>7.0</u>	<u>0</u>	<u>21.0</u>	<u>8.5</u>	<u>7.0</u>	<u>0</u>	<u>20.8</u>	<u>8.4</u>	<u>7.0</u>	<u>0</u>
Control B	<u>19.8</u>	<u>8.6</u>	<u>7.0</u>		<u>20.8</u>	<u>8.5</u>	<u>7.0</u>	<u>0</u>	<u>20.9</u>	<u>8.6</u>	<u>7.0</u>	<u>0</u>	<u>20.9</u>	<u>8.4</u>	<u>7.0</u>	<u>0</u>	<u>20.7</u>	<u>8.3</u>	<u>7.0</u>	<u>0</u>
400 mg/l A	<u>19.7</u>	<u>8.5</u>	<u>7.5</u>		<u>20.9</u>	<u>8.1</u>	<u>7.1</u>	<u>0</u>	<u>20.7</u>	<u>8.2</u>	<u>7.0</u>	<u>0</u>	<u>21.0</u>	<u>7.8</u>	<u>7.0</u>	<u>0</u>	<u>21.1</u>	<u>7.9</u>	<u>7.0</u>	<u>0</u>
400 mg/l B	<u>19.6</u>	<u>8.6</u>	<u>7.4</u>		<u>20.8</u>	<u>8.0</u>	<u>7.1</u>	<u>0</u>	<u>20.6</u>	<u>7.8</u>	<u>7.0</u>	<u>0</u>	<u>20.9</u>	<u>7.6</u>	<u>7.0</u>	<u>0</u>	<u>21.0</u>	<u>7.4</u>	<u>7.0</u>	<u>0</u>
750 mg/l A	<u>19.5</u>	<u>8.6</u>	<u>7.9</u>		<u>20.8</u>	<u>8.0</u>	<u>7.2</u>	<u>0</u>	<u>20.7</u>	<u>7.5</u>	<u>7.0</u>	<u>0</u>	<u>20.9</u>	<u>7.3</u>	<u>7.0</u>	<u>0</u>	<u>20.9</u>	<u>7.4</u>	<u>7.0</u>	<u>0</u>
750 mg/l B	<u>19.5</u>	<u>8.7</u>	<u>7.9</u>		<u>20.7</u>	<u>8.3</u>	<u>7.2</u>	<u>0</u>	<u>20.6</u>	<u>7.7</u>	<u>7.0</u>	<u>0</u>	<u>20.8</u>	<u>7.5</u>	<u>7.0</u>	<u>1</u>	<u>20.8</u>	<u>7.6</u>	<u>7.0</u>	<u>0</u>
Comments: Extraction method: Mechanical shaking <u>X</u> . None (aqueous solution) <u>—</u> . Dissolved Oxygen (DO) readings in mg/l O ₂ .																				

	CONTROL		HIGH CONCENTRATION		Total Number Dead	
	Alkalinity	Hardness	Alkalinity	Hardness		
Initial	<u>33</u> mg/l CaCO ₃	<u>41</u> mg/l CaCO ₃	<u>45</u> mg/l CaCO ₃	<u>52</u> mg/l CaCO ₃	Control	<u>0</u> /20
Final	<u>31</u> mg/l CaCO ₃	<u>40</u> mg/l CaCO ₃	<u>48</u> mg/l CaCO ₃	<u>58</u> mg/l CaCO ₃	400 mg/l	<u>0</u> /20
					750 mg/l	<u>1</u> /20

RESULTS

(the checked result applies based on fish survival rates)

<u>X</u>	PASSED	LC50 > 750 mg/l (<40% dead in 750 mg/l conc.)
<u>—</u>	FAILED	≥40% dead in 750 mg/l (close to passing - definitive test recommended)
<u>—</u>	FAILED	LC50 < 400 mg/l (>60% dead in 400 mg/l conc.)

FATHEAD MINNOW HAZARDOUS WASTE SCREEN BIOASSAY



Lab No.: A09020203-106

Client/ID: TA ISA2736-07E

TEST SUMMARY

Species: *Pimephales promelas*.

Fish length (mm): av: 28; min: 26; max: 29.

Fish weight (gm): av: 0.39; min: 0.36; max: 0.43.

Test chamber volume: 10 liters.

Temperature: 20 +/- 2°C.

Aeration: Single bubble through 30 bore tube.

Number of replicates: 2.

Dilution water: Soft reconstituted water (40 - 48 mg/l CaCO₃).

QA/QC Batch No.: RT-090201.

Source: In-Lab Culture.

Regulations: CCR Title 22.

Test Protocol: California F&G/DHS 1988.

Endpoints: Survival at 96 hrs.

Test type: Static.

Feeding: None.

Number of fish per chamber: 10.

Photoperiod: 16/8 hrs light/dark.

TEST DATA

	INITIAL				24 Hr				48 Hr				72 Hr				96 Hr			
Date/Time:	2-3-09 1100				2-4-09 1100				2-5-09 1100				2-6-09 1100				2-7-09 1100			
Analyst:	Rm				Rm				Rm				Rm				Rm			
	°C	DO	pH		°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D
Control A	19.9	8.6	7.0		20.9	8.5	7.0	0	21.0	8.6	7.0	0	21.0	8.5	7.0	0	20.8	8.4	7.0	0
Control B	19.8	8.6	7.0		20.8	8.5	7.0	0	20.9	8.6	7.0	0	20.9	8.4	7.0	0	20.7	8.3	7.0	0
400 mg/l A	19.7	8.8	7.2		21.1	8.4	7.1	0	20.9	8.4	7.0	0	21.1	7.7	7.0	0	21.2	7.7	7.0	0
400 mg/l B	19.6	8.6	7.2		21.0	8.1	7.1	0	20.8	7.9	7.0	0	21.0	7.6	7.0	0	21.1	7.5	7.0	0
750 mg/l A	19.5	8.7	7.7		20.9	8.2	7.2	0	20.7	8.3	7.0	0	20.9	7.8	7.1	0	20.9	8.1	7.1	0
750 mg/l B	19.5	8.8	7.8		20.7	8.0	7.2	0	20.6	7.1	7.0	0	20.8	7.9	7.1	0	20.8	7.7	7.1	0
Comments: Extraction method: Mechanical shaking <u>X</u> . None (aqueous solution) <u>-</u> . Dissolved Oxygen (DO) readings in mg/l O ₂ .																				

	CONTROL		HIGH CONCENTRATION		Total Number Dead	
	Alkalinity	Hardness	Alkalinity	Hardness	Control	
Initial	33 mg/l CaCO ₃	41 mg/l CaCO ₃	42 mg/l CaCO ₃	50 mg/l CaCO ₃	0	/20
Final	31 mg/l CaCO ₃	40 mg/l CaCO ₃	45 mg/l CaCO ₃	56 mg/l CaCO ₃	0	/20
					0	/20

RESULTS		
(the checked result applies based on fish survival rates)		
<u>X</u>	PASSED	LC50 > 750 mg/l (<40% dead in 750 mg/l conc.)
<u>-</u>	FAILED	≥40% dead in 750 mg/l (close to passing - definitive test recommended)
<u>-</u>	FAILED	LC50 < 400 mg/l (>60% dead in 400 mg/l conc.)

FATHEAD MINNOW HAZARDOUS WASTE SCREEN BIOASSAY



Lab No.: A09020203-007

Client/ID: TA ISA 2736-08E

TEST SUMMARY

Species: *Pimephales promelas*.

Fish length (mm): av: 28; min: 26; max: 29.

Fish weight (gm): av: 0.39; min: 0.36; max: 0.43.

Test chamber volume: 10 liters.

Temperature: 20 +/- 2°C.

Aeration: Single bubble through 30 bore tube.

Number of replicates: 2.

Dilution water: Soft reconstituted water (40 - 48 mg/l CaCO₃).

QA/QC Batch No.: RT-090201.

Source: In-Lab Culture.

Regulations: CCR Title 22.

Test Protocol: California F&G/DHS 1988.

Endpoints: Survival at 96 hrs.

Test type: Static.

Feeding: None.

Number of fish per chamber: 10.

Photoperiod: 16/8 hrs light/dark.

TEST DATA

	INITIAL				24 Hr				48 Hr				72 Hr				96 Hr			
Date/Time:	2-3-09 1100				2-4-09 1000				2-5-09 1100				2-6-09 1100				2-7-09 1100			
Analyst:	Rm				Rm				Rm				Rm				Rm			
	°C	DO	pH		°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D
Control A	19.9	8.6	7.0		20.9	8.5	7.0	0	21.0	8.6	7.0	0	21.0	8.5	7.0	0	20.8	8.4	7.0	0
Control B	19.8	8.6	7.0		20.8	8.5	7.0	0	20.9	8.6	7.0	0	20.9	8.4	7.0	0	20.7	8.3	7.0	0
400 mg/l A	19.6	8.7	7.5		20.7	8.5	7.1	0	20.8	8.0	7.0	0	20.9	7.9	7.1	0	20.9	8.1	7.1	0
400 mg/l B	19.5	8.7	7.5		20.6	8.3	7.1	0	20.7	7.8	7.0	0	20.8	7.6	7.1	0	20.8	8.1	7.1	0
750 mg/l A	19.5	8.7	7.6		20.8	8.1	7.2	0	20.9	7.7	7.0	0	20.9	7.5	7.1	0	21.0	7.6	7.1	0
750 mg/l B	19.4	8.8	7.6		20.7	8.4	7.2	0	20.8	8.4	7.1	0	20.8	8.2	7.1	0	20.9	8.0	7.1	0
Comments: Extraction method: Mechanical shaking <u>X</u> . None (aqueous solution) <u>-</u> . Dissolved Oxygen (DO) readings in mg/l O ₂ .																				

	CONTROL		HIGH CONCENTRATION		Total Number Dead	
	Alkalinity	Hardness	Alkalinity	Hardness	Control	
Initial	33 mg/l CaCO ₃	41 mg/l CaCO ₃	44 mg/l CaCO ₃	52 mg/l CaCO ₃	0	/20
Final	31 mg/l CaCO ₃	40 mg/l CaCO ₃	46 mg/l CaCO ₃	55 mg/l CaCO ₃	0	/20
					0	/20

RESULTS (the checked result applies based on fish survival rates)		
<u>X</u>	PASSED	LC50 > 750 mg/l (<40% dead in 750 mg/l conc.)
<u>-</u>	FAILED	≥40% dead in 750 mg/l (close to passing - definitive test recommended)
<u>-</u>	FAILED	LC50 < 400 mg/l (>60% dead in 400 mg/l conc.)

FATHEAD MINNOW HAZARDOUS WASTE SCREEN BIOASSAY



Lab No.: A09020203-008

Client/ID: TA ISA2736-09E

TEST SUMMARY

Species: *Pimephales promelas*.

Fish length (mm): av: 28; min: 26; max: 29.

Fish weight (gm): av: 0.39; min: 0.36; max: 0.43.

Test chamber volume: 10 liters.

Temperature: 20 +/- 2°C.

Aeration: Single bubble through 30 bore tube.

Number of replicates: 2.

Dilution water: Soft reconstituted water (40 - 48 mg/l CaCO₃).

QA/QC Batch No.: RT-090201.

Source: In-Lab Culture.

Regulations: CCR Title 22.

Test Protocol: California F&G/DHS 1988.

Endpoints: Survival at 96 hrs.

Test type: Static.

Feeding: None.

Number of fish per chamber: 10.

Photoperiod: 16/8 hrs light/dark.

TEST DATA

	INITIAL				24 Hr				48 Hr				72 Hr				96 Hr			
Date/Time:	2-3-09 1100				2-4-09 1000				2-5-09 1100				2-6-09 1100				2-7-09 1100			
Analyst:																				
	°C	DO	pH		°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D	°C	DO	pH	# D
Control A	19.9	8.6	7.0		20.9	8.5	7.0	0	21.0	8.6	7.0	0	21.0	8.5	7.0	0	20.8	8.4	7.0	0
Control B	19.8	8.6	7.0		20.8	8.5	7.0	0	20.9	8.6	7.0	0	20.9	8.4	7.0	0	20.7	8.3	7.0	0
400 mg/l A	19.7	8.6	7.5		21.0	8.0	7.1	0	21.0	7.7	7.0	0	21.1	7.8	7.0	0	21.1	7.9	7.1	0
400 mg/l B	19.6	8.5	7.5		20.9	8.0	7.1	0	21.0	7.8	7.0	0	21.0	7.5	7.0	0	21.0	7.7	7.1	0
750 mg/l A	19.6	8.7	7.6		20.9	8.2	7.2	0	21.0	8.1	7.0	0	21.0	8.0	7.1	0	21.0	8.0	7.1	0
750 mg/l B	19.5	8.7	7.6		20.8	8.3	7.2	0	20.9	8.2	7.0	0	20.9	8.2	7.1	0	20.9	8.3	7.1	0
Comments: Extraction method: Mechanical shaking ☒ . None (aqueous solution) ☐ . Dissolved Oxygen (DO) readings in mg/l O ₂ .																				

	CONTROL		HIGH CONCENTRATION		Total Number Dead	
	Alkalinity	Hardness	Alkalinity	Hardness	Control	
Initial	33 mg/l CaCO ₃	41 mg/l CaCO ₃	40 mg/l CaCO ₃	48 mg/l CaCO ₃	Control	0 /20
Final	31 mg/l CaCO ₃	40 mg/l CaCO ₃	40 mg/l CaCO ₃	51 mg/l CaCO ₃	400 mg/l	0 /20
					750 mg/l	0 /20

RESULTS (the checked result applies based on fish survival rates)

☒	PASSED	LC50 > 750 mg/l (<40% dead in 750 mg/l conc.)
☐	FAILED	≥40% dead in 750 mg/l (close to passing - definitive test recommended)
☐	FAILED	LC50 < 400 mg/l (>60% dead in 400 mg/l conc.)

SUBCONTRACT ORDER

TestAmerica Irvine

ISA2736

SENDING LABORATORY:

TestAmerica Irvine
 17461 Derian Avenue, Suite 100
 Irvine, CA 92614
 Phone: (949) 261-1022
 Fax: (949) 260-3297
 Project Manager: Joseph Doak

RECEIVING LABORATORY:

Aquatic Testing Laboratories-SUB
 4350 Transport Street, Unit 107
 Ventura, CA 93003
 Phone: (805) 650-0546
 Fax: (805) 650-0756
 Project Location: CA - CALIFORNIA
 Receipt Temperature: _____ °C

Ice: (Y) N

Analysis	Units	Due	Expires	Comments
Sample ID: ISA2736-01				
	Solid		Sampled: 01/28/09 07:40	
Bioassay-Haz. Waste	N/A	02/06/09	02/04/09 07:40	sub to ATL
Containers Supplied: 8 oz Jar (E)				
Sample ID: ISA2736-02				
	Solid		Sampled: 01/28/09 08:15	
Bioassay-Haz. Waste	N/A	02/06/09	02/04/09 08:15	sub to ATL
Containers Supplied: 8 oz Jar (E)				
Sample ID: ISA2736-03				
	Solid		Sampled: 01/28/09 07:55	
Bioassay-Haz. Waste	N/A	02/06/09	02/04/09 07:55	sub to ATL
Containers Supplied: 8 oz Jar (E)				
Sample ID: ISA2736-04				
	Solid		Sampled: 01/28/09 08:25	
Bioassay-Haz. Waste	N/A	02/06/09	02/04/09 08:25	sub to ATL
Containers Supplied: 8 oz Jar (E)				
Sample ID: ISA2736-06				
	Solid		Sampled: 01/28/09 11:05	
Bioassay-Haz. Waste	N/A	02/06/09	02/04/09 11:05	sub to ATL
Containers Supplied: 8 oz Jar (E)				
Sample ID: ISA2736-07				
	Solid		Sampled: 01/28/09 12:30	
Bioassay-Haz. Waste	N/A	02/06/09	02/04/09 12:30	sub to ATL
Containers Supplied: 8 oz Jar (E)				

[Signature]
 Released By

Date/Time

2/2/09 0800

[Signature]
 Released By

Date/Time

2/2/09 1124

[Signature]
 Received By

Date/Time

2/2/09 0800

[Signature]
 Received By

Date/Time

2-2-9 1121

SUBCONTRACT ORDER

TestAmerica Irvine

ISA2736

Analysis	Units	Due	Expires	Comments
Sample ID: ISA2736-08				
	Solid		Sampled: 01/28/09 10:30	
Bioassay-Haz. Waste	N/A	02/06/09	02/04/09 10:30	sub to ATL
<i>Containers Supplied:</i>				
8 oz Jar (E)				
Sample ID: ISA2736-09				
	Solid		Sampled: 01/28/09 12:10	
Bioassay-Haz. Waste	N/A	02/06/09	02/04/09 12:10	sub to ATL
<i>Containers Supplied:</i>				
8 oz Jar (E)				

LABORATORY REPORT

Prepared For: Geosyntec Consultants, Santa Barbara Ascon
924 Anacapa St., Suite 4 A
Santa Barbara, CA 93101
Attention: Jeff Zukin

Project: Ascon
SB0320-40

Sampled: 01/29/09
Received: 02/03/09
Issued: 02/13/09 10:17

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

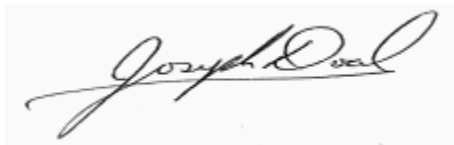
The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
ISB0250-01	SB-15-4'	Soil
ISB0250-02	SB-15-4'-Dup	Soil
ISB0250-03	SB-6-4'	Soil
ISB0250-04	SB-6-4'-Dup	Soil
ISB0250-05	SB-10-8'	Soil
ISB0250-06	SB-11-0.5'	Soil
ISB0250-07	SB-3-8'	Soil
ISB0250-08	SB-2-4'	Soil
ISB0250-09	SB-13-8'	Soil
ISB0250-10	SB-1-8'	Soil
ISB0250-11	SB-18-0.5'	Soil
ISB0250-12	SB-17-4'	Soil

Reviewed By:



TestAmerica Irvine

Joseph Doak
Project Manager

Geosyntec Consultants, Santa Barbara Ascon
924 Anacapa St., Suite 4 A
Santa Barbara, CA 93101
Attention: Jeff Zukin

Project ID: Ascon
SB0320-40
Report Number: ISB0250

Sampled: 01/29/09
Received: 02/03/09

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0250-01 (SB-15-4' - Soil)								
Reporting Units: mg/kg								
Mercury	EPA 7471A	9B05118	0.020	0.29	1	2/5/2009	2/5/2009	
Antimony	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Arsenic	EPA 6020	9B10089	0.50	4.6	1	2/10/2009	2/10/2009	
Barium	EPA 6020	9B10089	0.50	100	1	2/10/2009	2/10/2009	
Beryllium	EPA 6020	9B10089	0.30	0.32	1	2/10/2009	2/12/2009	
Cadmium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Chromium	EPA 6020	9B10089	1.0	40	1	2/10/2009	2/10/2009	
Cobalt	EPA 6020	9B10089	0.50	5.6	1	2/10/2009	2/10/2009	
Copper	EPA 6020	9B10089	1.0	22	1	2/10/2009	2/10/2009	
Lead	EPA 6020	9B10089	0.50	77	1	2/10/2009	2/10/2009	
Molybdenum	EPA 6020	9B10089	1.0	1.2	1	2/10/2009	2/10/2009	
Nickel	EPA 6020	9B10089	1.0	15	1	2/10/2009	2/10/2009	
Selenium	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Silver	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Thallium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Vanadium	EPA 6020	9B10089	1.0	27	1	2/10/2009	2/10/2009	
Zinc	EPA 6020	9B10089	10	100	1	2/10/2009	2/10/2009	

Sample ID: ISB0250-02 (SB-15-4'-Dup - Soil)

Reporting Units: mg/kg

Mercury	EPA 7471A	9B05118	0.020	0.28	1	2/5/2009	2/5/2009	
Antimony	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Arsenic	EPA 6020	9B10089	0.50	4.4	1	2/10/2009	2/10/2009	
Barium	EPA 6020	9B10089	0.50	100	1	2/10/2009	2/10/2009	
Beryllium	EPA 6020	9B10089	0.30	0.35	1	2/10/2009	2/12/2009	
Cadmium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Chromium	EPA 6020	9B10089	1.0	28	1	2/10/2009	2/10/2009	
Cobalt	EPA 6020	9B10089	0.50	6.1	1	2/10/2009	2/10/2009	
Copper	EPA 6020	9B10089	1.0	22	1	2/10/2009	2/10/2009	
Lead	EPA 6020	9B10089	0.50	73	1	2/10/2009	2/10/2009	
Molybdenum	EPA 6020	9B10089	1.0	1.3	1	2/10/2009	2/10/2009	
Nickel	EPA 6020	9B10089	1.0	14	1	2/10/2009	2/10/2009	
Selenium	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Silver	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Thallium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Vanadium	EPA 6020	9B10089	1.0	33	1	2/10/2009	2/10/2009	
Zinc	EPA 6020	9B10089	10	78	1	2/10/2009	2/10/2009	

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Joseph Doak
Project Manager

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ISB0250 <Page 2 of 12>

Geosyntec Consultants, Santa Barbara Ascon
924 Anacapa St., Suite 4 A
Santa Barbara, CA 93101
Attention: Jeff Zukin

Project ID: Ascon
SB0320-40
Report Number: ISB0250

Sampled: 01/29/09
Received: 02/03/09

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0250-03 (SB-6-4' - Soil)								
Reporting Units: mg/kg								
Mercury	EPA 7471A	9B05118	0.020	0.095	1	2/5/2009	2/5/2009	
Antimony	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Arsenic	EPA 6020	9B10089	0.50	5.5	1	2/10/2009	2/10/2009	
Barium	EPA 6020	9B10089	5.0	780	10	2/10/2009	2/11/2009	
Beryllium	EPA 6020	9B10089	0.30	0.30	1	2/10/2009	2/12/2009	
Cadmium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Chromium	EPA 6020	9B10089	1.0	21	1	2/10/2009	2/10/2009	
Cobalt	EPA 6020	9B10089	0.50	6.9	1	2/10/2009	2/10/2009	
Copper	EPA 6020	9B10089	1.0	24	1	2/10/2009	2/10/2009	
Lead	EPA 6020	9B10089	0.50	69	1	2/10/2009	2/10/2009	
Molybdenum	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Nickel	EPA 6020	9B10089	1.0	16	1	2/10/2009	2/10/2009	
Selenium	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Silver	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Thallium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Vanadium	EPA 6020	9B10089	1.0	32	1	2/10/2009	2/10/2009	
Zinc	EPA 6020	9B10089	10	130	1	2/10/2009	2/10/2009	

Sample ID: ISB0250-04 (SB-6-4'-Dup - Soil)

Reporting Units: mg/kg

Mercury	EPA 7471A	9B05118	0.020	1.4	1	2/5/2009	2/5/2009	
Antimony	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Arsenic	EPA 6020	9B10089	0.50	4.8	1	2/10/2009	2/10/2009	
Barium	EPA 6020	9B10089	5.0	870	10	2/10/2009	2/11/2009	
Beryllium	EPA 6020	9B10089	0.30	0.30	1	2/10/2009	2/11/2009	
Cadmium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Chromium	EPA 6020	9B10089	1.0	21	1	2/10/2009	2/10/2009	
Cobalt	EPA 6020	9B10089	0.50	5.8	1	2/10/2009	2/10/2009	
Copper	EPA 6020	9B10089	1.0	20	1	2/10/2009	2/10/2009	
Lead	EPA 6020	9B10089	0.50	71	1	2/10/2009	2/10/2009	
Molybdenum	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Nickel	EPA 6020	9B10089	1.0	14	1	2/10/2009	2/10/2009	
Selenium	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Silver	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Thallium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Vanadium	EPA 6020	9B10089	1.0	27	1	2/10/2009	2/10/2009	
Zinc	EPA 6020	9B10089	10	110	1	2/10/2009	2/10/2009	

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Joseph Doak
Project Manager

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ISB0250 <Page 3 of 12>

Geosyntec Consultants, Santa Barbara Ascon
924 Anacapa St., Suite 4 A
Santa Barbara, CA 93101
Attention: Jeff Zukin

Project ID: Ascon
SB0320-40
Report Number: ISB0250

Sampled: 01/29/09
Received: 02/03/09

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0250-05 (SB-10-8' - Soil)								
Reporting Units: mg/kg								
Mercury	EPA 7471A	9B05118	0.020	0.75	1	2/5/2009	2/5/2009	
Antimony	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Arsenic	EPA 6020	9B10089	0.50	4.6	1	2/10/2009	2/10/2009	
Barium	EPA 6020	9B10089	0.50	90	1	2/10/2009	2/10/2009	
Beryllium	EPA 6020	9B10089	0.30	ND	1	2/10/2009	2/11/2009	
Cadmium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Chromium	EPA 6020	9B10089	1.0	13	1	2/10/2009	2/10/2009	
Cobalt	EPA 6020	9B10089	0.50	5.5	1	2/10/2009	2/10/2009	
Copper	EPA 6020	9B10089	1.0	22	1	2/10/2009	2/10/2009	
Lead	EPA 6020	9B10089	0.50	47	1	2/10/2009	2/10/2009	
Molybdenum	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Nickel	EPA 6020	9B10089	1.0	12	1	2/10/2009	2/10/2009	
Selenium	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Silver	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Thallium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Vanadium	EPA 6020	9B10089	1.0	24	1	2/10/2009	2/10/2009	
Zinc	EPA 6020	9B10089	10	180	1	2/10/2009	2/10/2009	

Sample ID: ISB0250-06 (SB-11-0.5' - Soil)

Reporting Units: mg/kg

Mercury	EPA 7471A	9B05118	0.020	0.23	1	2/5/2009	2/5/2009	
Antimony	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Arsenic	EPA 6020	9B10089	0.50	3.3	1	2/10/2009	2/10/2009	
Barium	EPA 6020	9B10089	5.0	1300	10	2/10/2009	2/11/2009	
Beryllium	EPA 6020	9B10089	0.30	0.36	1	2/10/2009	2/11/2009	
Cadmium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Chromium	EPA 6020	9B10089	1.0	21	1	2/10/2009	2/10/2009	
Cobalt	EPA 6020	9B10089	0.50	6.2	1	2/10/2009	2/10/2009	
Copper	EPA 6020	9B10089	1.0	24	1	2/10/2009	2/10/2009	
Lead	EPA 6020	9B10089	0.50	50	1	2/10/2009	2/10/2009	
Molybdenum	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Nickel	EPA 6020	9B10089	1.0	15	1	2/10/2009	2/10/2009	
Selenium	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Silver	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Thallium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Vanadium	EPA 6020	9B10089	1.0	32	1	2/10/2009	2/10/2009	
Zinc	EPA 6020	9B10089	10	130	1	2/10/2009	2/10/2009	

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Joseph Doak
Project Manager

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ISB0250 <Page 4 of 12>

Geosyntec Consultants, Santa Barbara Ascon
924 Anacapa St., Suite 4 A
Santa Barbara, CA 93101
Attention: Jeff Zukin

Project ID: Ascon
SB0320-40
Report Number: ISB0250

Sampled: 01/29/09
Received: 02/03/09

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0250-07 (SB-3-8' - Soil)								
Reporting Units: mg/kg								
Mercury	EPA 7471A	9B05118	0.020	0.050	1	2/5/2009	2/5/2009	
Antimony	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Arsenic	EPA 6020	9B10089	0.50	2.7	1	2/10/2009	2/10/2009	
Barium	EPA 6020	9B10089	0.50	82	1	2/10/2009	2/10/2009	
Beryllium	EPA 6020	9B10089	0.30	0.41	1	2/10/2009	2/11/2009	
Cadmium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Chromium	EPA 6020	9B10089	1.0	21	1	2/10/2009	2/10/2009	
Cobalt	EPA 6020	9B10089	0.50	7.0	1	2/10/2009	2/10/2009	
Copper	EPA 6020	9B10089	1.0	19	1	2/10/2009	2/10/2009	
Lead	EPA 6020	9B10089	0.50	17	1	2/10/2009	2/10/2009	
Molybdenum	EPA 6020	9B10089	1.0	1.0	1	2/10/2009	2/10/2009	
Nickel	EPA 6020	9B10089	1.0	14	1	2/10/2009	2/10/2009	
Selenium	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Silver	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Thallium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Vanadium	EPA 6020	9B10089	1.0	38	1	2/10/2009	2/10/2009	
Zinc	EPA 6020	9B10089	10	53	1	2/10/2009	2/10/2009	

Sample ID: ISB0250-08 (SB-2-4' - Soil)

Reporting Units: mg/kg

Mercury	EPA 7471A	9B05118	0.020	0.040	1	2/5/2009	2/5/2009	
Antimony	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Arsenic	EPA 6020	9B10089	0.50	5.4	1	2/10/2009	2/10/2009	
Barium	EPA 6020	9B10089	0.50	120	1	2/10/2009	2/10/2009	
Beryllium	EPA 6020	9B10089	0.30	0.51	1	2/10/2009	2/11/2009	
Cadmium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Chromium	EPA 6020	9B10089	1.0	20	1	2/10/2009	2/10/2009	
Cobalt	EPA 6020	9B10089	0.50	8.9	1	2/10/2009	2/10/2009	
Copper	EPA 6020	9B10089	1.0	19	1	2/10/2009	2/10/2009	
Lead	EPA 6020	9B10089	0.50	27	1	2/10/2009	2/10/2009	
Molybdenum	EPA 6020	9B10089	1.0	2.3	1	2/10/2009	2/10/2009	
Nickel	EPA 6020	9B10089	1.0	14	1	2/10/2009	2/10/2009	
Selenium	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Silver	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Thallium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Vanadium	EPA 6020	9B10089	1.0	40	1	2/10/2009	2/10/2009	
Zinc	EPA 6020	9B10089	10	56	1	2/10/2009	2/10/2009	

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Joseph Doak
Project Manager

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ISB0250 <Page 5 of 12>

Geosyntec Consultants, Santa Barbara Ascon
924 Anacapa St., Suite 4 A
Santa Barbara, CA 93101
Attention: Jeff Zukin

Project ID: Ascon
SB0320-40
Report Number: ISB0250

Sampled: 01/29/09
Received: 02/03/09

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0250-09 (SB-13-8' - Soil)								
Reporting Units: mg/kg								
Mercury	EPA 7471A	9B05118	0.020	0.044	1	2/5/2009	2/5/2009	
Antimony	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Arsenic	EPA 6020	9B10089	0.50	10	1	2/10/2009	2/10/2009	
Barium	EPA 6020	9B10089	0.50	100	1	2/10/2009	2/10/2009	
Beryllium	EPA 6020	9B10089	0.30	ND	1	2/10/2009	2/11/2009	
Cadmium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Chromium	EPA 6020	9B10089	1.0	16	1	2/10/2009	2/10/2009	
Cobalt	EPA 6020	9B10089	0.50	5.8	1	2/10/2009	2/10/2009	
Copper	EPA 6020	9B10089	1.0	22	1	2/10/2009	2/10/2009	
Lead	EPA 6020	9B10089	0.50	23	1	2/10/2009	2/10/2009	
Molybdenum	EPA 6020	9B10089	1.0	3.8	1	2/10/2009	2/10/2009	
Nickel	EPA 6020	9B10089	1.0	11	1	2/10/2009	2/10/2009	
Selenium	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Silver	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Thallium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Vanadium	EPA 6020	9B10089	1.0	26	1	2/10/2009	2/10/2009	
Zinc	EPA 6020	9B10089	10	200	1	2/10/2009	2/10/2009	

Sample ID: ISB0250-10 (SB-1-8' - Soil)

Reporting Units: mg/kg

Mercury	EPA 7471A	9B05118	0.020	0.024	1	2/5/2009	2/5/2009	
Antimony	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Arsenic	EPA 6020	9B10089	0.50	3.6	1	2/10/2009	2/10/2009	
Barium	EPA 6020	9B10089	0.50	47	1	2/10/2009	2/10/2009	
Beryllium	EPA 6020	9B10089	0.30	ND	1	2/10/2009	2/11/2009	
Cadmium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Chromium	EPA 6020	9B10089	1.0	11	1	2/10/2009	2/10/2009	
Cobalt	EPA 6020	9B10089	0.50	4.1	1	2/10/2009	2/10/2009	
Copper	EPA 6020	9B10089	1.0	8.2	1	2/10/2009	2/10/2009	
Lead	EPA 6020	9B10089	0.50	4.5	1	2/10/2009	2/10/2009	
Molybdenum	EPA 6020	9B10089	1.0	4.5	1	2/10/2009	2/10/2009	
Nickel	EPA 6020	9B10089	1.0	6.5	1	2/10/2009	2/10/2009	
Selenium	EPA 6020	9B10089	1.0	1.0	1	2/10/2009	2/10/2009	
Silver	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Thallium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Vanadium	EPA 6020	9B10089	1.0	24	1	2/10/2009	2/10/2009	
Zinc	EPA 6020	9B10089	10	24	1	2/10/2009	2/10/2009	

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Joseph Doak
Project Manager

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ISB0250 <Page 6 of 12>

Geosyntec Consultants, Santa Barbara Ascon
924 Anacapa St., Suite 4 A
Santa Barbara, CA 93101
Attention: Jeff Zukin

Project ID: Ascon
SB0320-40
Report Number: ISB0250

Sampled: 01/29/09
Received: 02/03/09

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0250-11 (SB-18-0.5' - Soil)								
Reporting Units: mg/kg								
Mercury	EPA 7471A	9B05118	0.020	0.20	1	2/5/2009	2/5/2009	
Antimony	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Arsenic	EPA 6020	9B10089	0.50	3.6	1	2/10/2009	2/10/2009	
Barium	EPA 6020	9B10089	5.0	1100	10	2/10/2009	2/11/2009	
Beryllium	EPA 6020	9B10089	0.30	0.34	1	2/10/2009	2/11/2009	
Cadmium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Chromium	EPA 6020	9B10089	1.0	21	1	2/10/2009	2/10/2009	
Cobalt	EPA 6020	9B10089	0.50	5.2	1	2/10/2009	2/10/2009	
Copper	EPA 6020	9B10089	1.0	18	1	2/10/2009	2/10/2009	
Lead	EPA 6020	9B10089	0.50	49	1	2/10/2009	2/10/2009	
Molybdenum	EPA 6020	9B10089	1.0	1.0	1	2/10/2009	2/10/2009	
Nickel	EPA 6020	9B10089	1.0	15	1	2/10/2009	2/10/2009	
Selenium	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Silver	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Thallium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Vanadium	EPA 6020	9B10089	1.0	30	1	2/10/2009	2/10/2009	
Zinc	EPA 6020	9B10089	10	81	1	2/10/2009	2/10/2009	

Sample ID: ISB0250-12 (SB-17-4' - Soil)

Reporting Units: mg/kg

Mercury	EPA 7471A	9B05118	0.020	0.16	1	2/5/2009	2/5/2009	
Antimony	EPA 6020	9B10089	1.0	1.0	1	2/10/2009	2/10/2009	
Arsenic	EPA 6020	9B10089	0.50	10	1	2/10/2009	2/10/2009	
Barium	EPA 6020	9B10089	5.0	1100	10	2/10/2009	2/11/2009	
Beryllium	EPA 6020	9B10089	0.30	0.46	1	2/10/2009	2/12/2009	
Cadmium	EPA 6020	9B10089	0.50	1.5	1	2/10/2009	2/10/2009	
Chromium	EPA 6020	9B10089	1.0	29	1	2/10/2009	2/10/2009	
Cobalt	EPA 6020	9B10089	0.50	8.9	1	2/10/2009	2/10/2009	
Copper	EPA 6020	9B10089	1.0	28	1	2/10/2009	2/10/2009	
Lead	EPA 6020	9B10089	5.0	1700	10	2/10/2009	2/11/2009	
Molybdenum	EPA 6020	9B10089	1.0	2.6	1	2/10/2009	2/10/2009	
Nickel	EPA 6020	9B10089	1.0	19	1	2/10/2009	2/10/2009	
Selenium	EPA 6020	9B10089	1.0	ND	1	2/10/2009	2/10/2009	
Silver	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Thallium	EPA 6020	9B10089	0.50	ND	1	2/10/2009	2/10/2009	
Vanadium	EPA 6020	9B10089	1.0	38	1	2/10/2009	2/10/2009	
Zinc	EPA 6020	9B10089	100	490	10	2/10/2009	2/11/2009	

TestAmerica Irvine

Joseph Doak
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

ISB0250 <Page 7 of 12>

Geosyntec Consultants, Santa Barbara Ascon
924 Anacapa St., Suite 4 A
Santa Barbara, CA 93101
Attention: Jeff Zukin

Project ID: Ascon
SB0320-40
Report Number: ISB0250

Sampled: 01/29/09
Received: 02/03/09

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 9B05118 Extracted: 02/05/09</u>										
Blank Analyzed: 02/05/2009 (9B05118-BLK1)										
Mercury	ND	0.020	mg/kg							
LCS Analyzed: 02/05/2009 (9B05118-BS1)										
Mercury	0.788	0.020	mg/kg	0.800		99	80-120			
Matrix Spike Analyzed: 02/05/2009 (9B05118-MS1)										
Mercury	0.634	0.020	mg/kg	0.800	0.297	42	70-130			M2
Matrix Spike Dup Analyzed: 02/05/2009 (9B05118-MSD1)										
Mercury	0.746	0.020	mg/kg	0.800	0.297	56	70-130	16	20	M2
<u>Batch: 9B10089 Extracted: 02/10/09</u>										
Blank Analyzed: 02/10/2009-02/11/2009 (9B10089-BLK1)										
Antimony	ND	1.0	mg/kg							
Arsenic	ND	0.50	mg/kg							
Barium	ND	0.50	mg/kg							
Beryllium	ND	0.30	mg/kg							
Cadmium	ND	0.50	mg/kg							
Chromium	ND	1.0	mg/kg							
Cobalt	ND	0.50	mg/kg							
Copper	ND	1.0	mg/kg							
Lead	ND	0.50	mg/kg							
Molybdenum	ND	1.0	mg/kg							
Nickel	ND	1.0	mg/kg							
Selenium	ND	1.0	mg/kg							
Silver	ND	0.50	mg/kg							
Thallium	ND	0.50	mg/kg							
Vanadium	ND	1.0	mg/kg							
Zinc	ND	10	mg/kg							

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Project Manager

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ISB0250 <Page 8 of 12>

Geosyntec Consultants, Santa Barbara Ascon
924 Anacapa St., Suite 4 A
Santa Barbara, CA 93101
Attention: Jeff Zukin

Project ID: Ascon
SB0320-40
Report Number: ISB0250

Sampled: 01/29/09
Received: 02/03/09

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B10089 Extracted: 02/10/09										
LCS Analyzed: 02/10/2009-02/11/2009 (9B10089-BS1)										
Antimony	46.1	1.0	mg/kg	50.0		92	80-120			
Arsenic	44.4	0.50	mg/kg	50.0		89	80-120			
Barium	47.0	0.50	mg/kg	50.0		94	80-120			
Beryllium	49.2	0.30	mg/kg	50.0		98	80-120			
Cadmium	46.3	0.50	mg/kg	50.0		93	80-120			
Chromium	48.9	1.0	mg/kg	50.0		98	80-120			
Cobalt	47.8	0.50	mg/kg	50.0		96	80-120			
Copper	47.0	1.0	mg/kg	50.0		94	80-120			
Lead	48.6	0.50	mg/kg	50.0		97	80-120			
Molybdenum	47.1	1.0	mg/kg	50.0		94	80-120			
Nickel	47.5	1.0	mg/kg	50.0		95	80-120			
Selenium	42.6	1.0	mg/kg	50.0		85	80-120			
Silver	24.2	0.50	mg/kg	25.0		97	80-120			
Thallium	47.1	0.50	mg/kg	50.0		94	80-120			
Vanadium	47.9	1.0	mg/kg	50.0		96	80-120			
Zinc	43.8	10	mg/kg	50.0		88	80-120			

Matrix Spike Analyzed: 02/10/2009-02/11/2009 (9B10089-MS1)

Source: ISB0554-01

Antimony	38.3	1.0	mg/kg	50.0	1.26	74	75-125			M2
Arsenic	39.6	0.50	mg/kg	50.0	1.61	76	75-125			
Barium	298	0.50	mg/kg	50.0	272	51	75-125			MHA
Beryllium	46.0	0.30	mg/kg	50.0	ND	92	75-125			
Cadmium	41.8	0.50	mg/kg	50.0	1.78	80	75-125			
Chromium	59.2	1.0	mg/kg	50.0	21.8	75	75-125			
Cobalt	39.9	0.50	mg/kg	50.0	1.16	78	75-125			
Copper	112	1.0	mg/kg	50.0	79.4	66	75-125			M2
Lead	50.3	0.50	mg/kg	50.0	5.69	89	75-125			
Molybdenum	45.4	1.0	mg/kg	50.0	5.01	81	75-125			
Nickel	47.1	1.0	mg/kg	50.0	9.58	75	75-125			
Selenium	42.9	1.0	mg/kg	50.0	5.25	75	75-125			
Silver	22.3	0.50	mg/kg	25.0	1.88	82	75-125			
Thallium	45.0	0.50	mg/kg	50.0	0.165	90	75-125			
Vanadium	53.3	1.0	mg/kg	50.0	15.8	75	75-125			
Zinc	172	10	mg/kg	50.0	145	55	75-125			M2

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Project Manager

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ISB0250 <Page 9 of 12>

Geosyntec Consultants, Santa Barbara Ascon
924 Anacapa St., Suite 4 A
Santa Barbara, CA 93101
Attention: Jeff Zukin

Project ID: Ascon
SB0320-40
Report Number: ISB0250

Sampled: 01/29/09
Received: 02/03/09

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B10089 Extracted: 02/10/09										
Matrix Spike Dup Analyzed: 02/10/2009-02/12/2009 (9B10089-MSD1)					Source: ISB0554-01					
Antimony	39.1	1.0	mg/kg	50.0	1.26	76	75-125	2	20	
Arsenic	40.5	0.50	mg/kg	50.0	1.61	78	75-125	2	20	
Barium	306	0.50	mg/kg	50.0	272	67	75-125	3	20	MHA
Beryllium	39.0	0.30	mg/kg	50.0	ND	78	75-125	16	20	
Cadmium	42.7	0.50	mg/kg	50.0	1.78	82	75-125	2	20	
Chromium	58.9	1.0	mg/kg	50.0	21.8	74	75-125	1	20	M2
Cobalt	40.0	0.50	mg/kg	50.0	1.16	78	75-125	0	20	
Copper	115	1.0	mg/kg	50.0	79.4	72	75-125	2	20	M2
Lead	50.8	0.50	mg/kg	50.0	5.69	90	75-125	1	20	
Molybdenum	46.3	1.0	mg/kg	50.0	5.01	83	75-125	2	20	
Nickel	47.4	1.0	mg/kg	50.0	9.58	76	75-125	0	20	
Selenium	43.3	1.0	mg/kg	50.0	5.25	76	75-125	1	20	
Silver	22.6	0.50	mg/kg	25.0	1.88	83	75-125	1	20	
Thallium	45.9	0.50	mg/kg	50.0	0.165	91	75-125	2	20	
Vanadium	53.7	1.0	mg/kg	50.0	15.8	76	75-125	1	20	
Zinc	175	10	mg/kg	50.0	145	60	75-125	2	20	M2

TestAmerica Irvine

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Project Manager

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ISB0250 <Page 10 of 12>

Geosyntec Consultants, Santa Barbara Ascon
924 Anacapa St., Suite 4 A
Santa Barbara, CA 93101
Attention: Jeff Zukin

Project ID: Ascon
SB0320-40
Report Number: ISB0250

Sampled: 01/29/09
Received: 02/03/09

DATA QUALIFIERS AND DEFINITIONS

M2 The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
MHA Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD Relative Percent Difference

TestAmerica Irvine

Joseph Doak
Project Manager

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Geosyntec Consultants, Santa Barbara Ascon
924 Anacapa St., Suite 4 A
Santa Barbara, CA 93101
Attention: Jeff Zukin

Project ID: Ascon
SB0320-40
Report Number: ISB0250

Sampled: 01/29/09
Received: 02/03/09

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 6020	Soil	X	X
EPA 7471A	Soil	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Joseph Doak
Project Manager

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ISB0250 <Page 12 of 12>

CHAIN OF CUSTODY FORM

17461 Derian Ave., #100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
 1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
 9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
 2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

TAL-0013(1007)

Page 1 of 1

Client Name / Address:		Project / PO Number:		Analysis Required										Special Instructions
Geosyntec Consultants 924 Anacapa Street, Suite 4A Santa Barbara, CA 93101		AScon Landfill SB0320-40												
Project Manager:		Phone Number:		Fax Number:		# of Cont.		Sampling Date		Sampling Time		Preservatives		
Jeff Zukin		(805) 997-3800		(805) 999-9699										
Sampler:		Sample Description		Sample Matrix		Container Type								
Kevin Coffman														
SB-15-4'	S	Acetate	1-23-09	0955	-									Hold all
SB-15-4'-Dup		glass jar		0955										samples for
SB-6-4'		Acetate		1330										further
SB-6-4'-Dup		glass jar		1330										analysis
SB-10-8'		Acetate		1447										pending
SB-11-0.5'				1130										results.
SB-3-8'				0826										Also included
SB-2-4'				0842										unused sample
SB-13-8'				1045										jars & containers
SB-1-8'				0903										
SB-18-0.5'				0905										
SB-17-4'				0814										0.210106
Relinquished By: <i>Samuel D. Sog</i> Date/Time: 2/3/09 0950 Received By: <i>Robert TAI</i> Date/Time: 2/3/09 0950														
Relinquished By: <i>Robert TAI</i> Date/Time: 2/3/09 1720 Received By: <i>Va Bondy</i> Date/Time: 2/3/09 1720														
Relinquished By: <i>Va Bondy</i> Date/Time: 2/3/09 1720 Sample Integrity: (Check) ☒ on ice ☒														

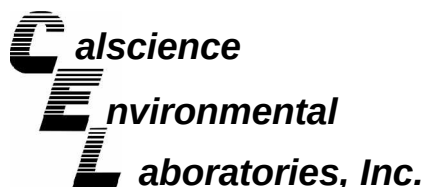
Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

#002

5.3/48

APPENDIX H

**CALCIENCE ENVIRONMENTAL
LABORATORIES, INC. ANALYTICAL
RESULTS**



April 14, 2009

Jeff Zukin
GeoSyntec Consultants
924 Anacapa Street
Suite 4A
Santa Barbara, CA 93101-2177

Subject: **CalScience Work Order No.: 09-04-1000**
Client Reference: **ASCON**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 4/10/2009 and analyzed in accordance with the attached chain-of-custody.

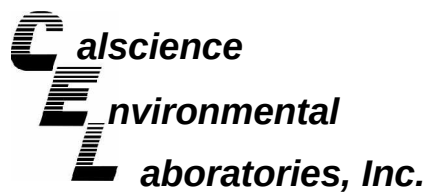
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard CalScience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read 'S. Nowak', is written over a horizontal line.

CalScience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager



Analytical Report



GeoSyntec Consultants
924 Anacapa Street
Suite 4A
Santa Barbara, CA 93101-2177

Date Received: 04/10/09
Work Order No: 09-04-1000
Preparation: EPA 3050B
Method: EPA 6010B

Project: ASCON

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
L1-S	09-04-1000-1-A	01/28/09 08:15	Solid	ICP 5300	04/10/09	04/10/09 20:54	090410L05

Parameter	Result	RL	DF	Qual	Units
Lead	1560	0.500	1		mg/kg

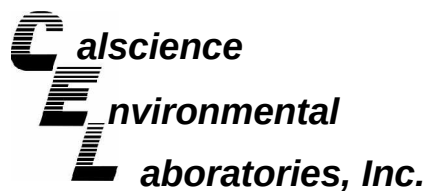
L2-E	09-04-1000-2-A	01/28/09 10:30	Solid	ICP 5300	04/10/09	04/14/09 14:40	090410L05
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Parameter	Result	RL	DF	Qual	Units
Lead	617	0.500	1		mg/kg

Method Blank	097-01-002-12,185	N/A	Solid	ICP 5300	04/10/09	04/10/09 20:49	090410L05
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Parameter	Result	RL	DF	Qual	Units
Lead	ND	0.500	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
924 Anacapa Street
Suite 4A
Santa Barbara, CA 93101-2177

Date Received: 04/10/09
Work Order No: 09-04-1000
Preparation: EPA 1311
Method: EPA 6010B

Project: ASCON

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
L1-S	09-04-1000-1-A	01/28/09 08:15	Solid	ICP 5300	04/10/09	04/14/09 13:25	090413LA5

Parameter	Result	RL	DF	Qual	Units
Lead	2.50	0.100	1		mg/L

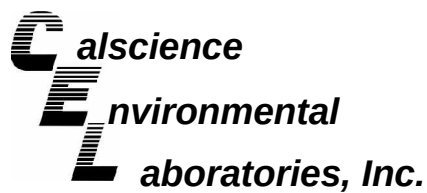
L2-E	09-04-1000-2-A	01/28/09 10:30	Solid	ICP 5300	04/10/09	04/13/09 19:35	090413LA5
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Parameter	Result	RL	DF	Qual	Units
Lead	0.637	0.100	1		mg/L

Method Blank	097-05-001-3,911	N/A	Solid	ICP 5300	04/10/09	04/13/09 19:08	090413LA5
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Parameter	Result	RL	DF	Qual	Units
Lead	ND	0.100	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



GeoSyntec Consultants
924 Anacapa Street
Suite 4A
Santa Barbara, CA 93101-2177

Date Received: 04/10/09
Work Order No: 09-04-1000
Preparation: T22.11.5. All
Method: EPA 6010B

Project: ASCON

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
L1-S	09-04-1000-1-A	01/28/09 08:15	Solid	ICP 5300	04/10/09	04/14/09 12:39	090413LA4

Parameter	Result	RL	DF	Qual	Units
Lead	26.2	0.100	1		mg/L

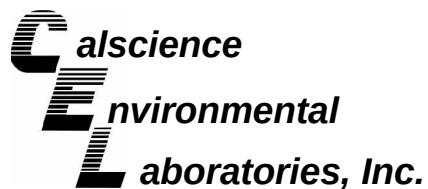
L2-E	09-04-1000-2-A	01/28/09 10:30	Solid	ICP 5300	04/10/09	04/13/09 19:05	090413LA4
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Parameter	Result	RL	DF	Qual	Units
Lead	1.22	0.100	1		mg/L

Method Blank	097-05-006-4,549	N/A	Solid	ICP 5300	04/10/09	04/13/09 18:44	090413LA4
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Parameter	Result	RL	DF	Qual	Units
Lead	ND	0.100	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Quality Control - Spike/Spike Duplicate



GeoSyntec Consultants
924 Anacapa Street
Suite 4A
Santa Barbara, CA 93101-2177

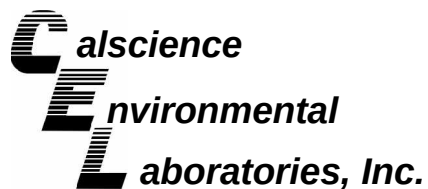
Date Received: 04/10/09
Work Order No: 09-04-1000
Preparation: EPA 3050B
Method: EPA 6010B

Project ASCON

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
L1-S	Solid	ICP 5300	04/10/09	04/10/09	090410S05

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	4X	4X	75-125	4X	0-20	Q

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - PDS / PDSD



GeoSyntec Consultants
924 Anacapa Street
Suite 4A
Santa Barbara, CA 93101-2177

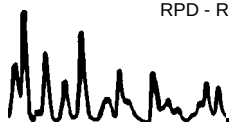
Date Received 04/10/09
Work Order No: 09-04-1000
Preparation: EPA 3050B
Method: EPA 6010B

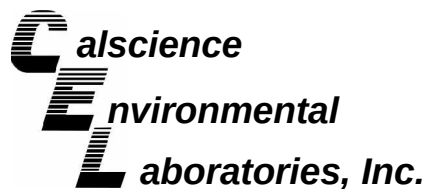
Project: ASCON

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
L1-S	Solid	ICP 5300	04/10/09	04/10/09	090410S05

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	4X	4X	75-125	4X	0-20	Q

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



GeoSyntec Consultants
924 Anacapa Street
Suite 4A
Santa Barbara, CA 93101-2177

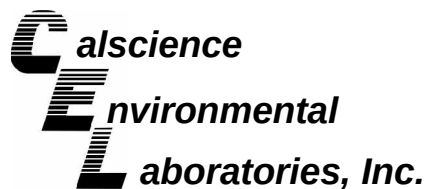
Date Received: 04/10/09
Work Order No: 09-04-1000
Preparation: EPA 1311
Method: EPA 6010B

Project ASCON

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
L1-S	Solid	ICP 5300	04/10/09	04/14/09	090413SA5

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	119	110	75-125	5	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - PDS / PDSD



GeoSyntec Consultants
924 Anacapa Street
Suite 4A
Santa Barbara, CA 93101-2177

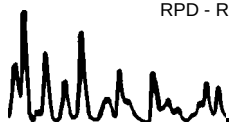
Date Received 04/10/09
Work Order No: 09-04-1000
Preparation: EPA 1311
Method: EPA 6010B

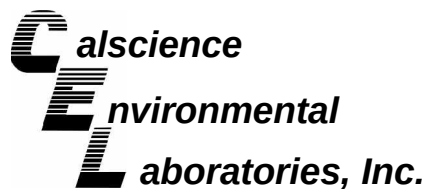
Project: ASCON

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
L1-S	Solid	ICP 5300	04/10/09	04/14/09	090413SA5

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	103	103	75-125	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



GeoSyntec Consultants
924 Anacapa Street
Suite 4A
Santa Barbara, CA 93101-2177

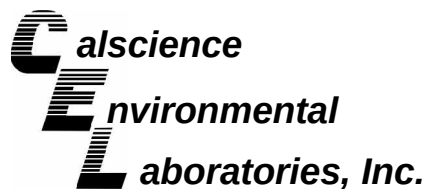
Date Received: 04/10/09
Work Order No: 09-04-1000
Preparation: T22.11.5. All
Method: EPA 6010B

Project ASCON

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
L1-S	Solid	ICP 5300	04/10/09	04/14/09	090413SA4

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	4X	4X	75-125	4X	0-20	Q

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - PDS / PDSD



GeoSyntec Consultants
924 Anacapa Street
Suite 4A
Santa Barbara, CA 93101-2177

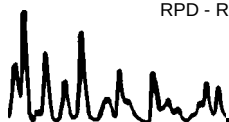
Date Received 04/10/09
Work Order No: 09-04-1000
Preparation: T22.11.5. All
Method: EPA 6010B

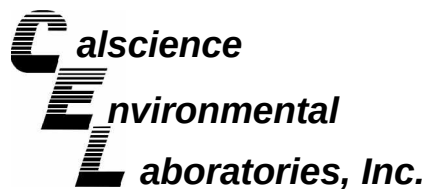
Project: ASCON

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
L1-S	Solid	ICP 5300	04/10/09	04/14/09	090413SA4

Parameter	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	4X	4X	75-125	4X	0-20	Q

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



GeoSyntec Consultants
924 Anacapa Street
Suite 4A
Santa Barbara, CA 93101-2177

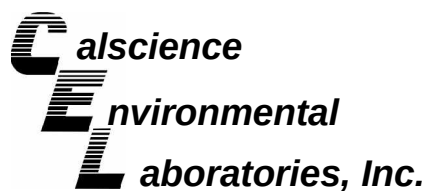
Date Received: N/A
Work Order No: 09-04-1000
Preparation: EPA 3050B
Method: EPA 6010B

Project: ASCON

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-12,185	Solid	ICP 5300	04/10/09	04/10/09	090410L05

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	100	100	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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924 Anacapa Street
Suite 4A
Santa Barbara, CA 93101-2177

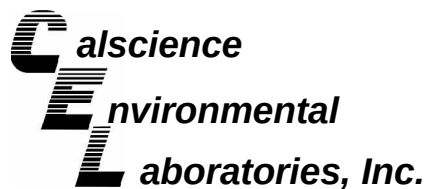
Date Received: N/A
Work Order No: 09-04-1000
Preparation: EPA 1311
Method: EPA 6010B

Project: ASCON

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-05-001-3,911	Solid	ICP 5300	04/10/09	04/13/09	090413LA5

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	94	95	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



GeoSyntec Consultants
924 Anacapa Street
Suite 4A
Santa Barbara, CA 93101-2177

Date Received: N/A
Work Order No: 09-04-1000
Preparation: T22.11.5. All
Method: EPA 6010B

Project: ASCON

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-05-006-4,549	Solid	ICP 5300	04/10/09	04/13/09	090413LA4

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Lead	96	94	80-120	3	0-20	

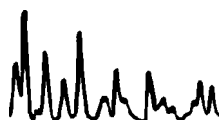
RPD - Relative Percent Difference , CL - Control Limit

Glossary of Terms and Qualifiers



Work Order Number: 09-04-1000

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.



SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Test America/GeoSyntec
4/10/09

DATE: 4/10/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.3 °C - 0.2 °C (CF) = 3.1 °C ☒ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only

Initial: [Signature]

CUSTODY SEALS INTACT:

☐ Cooler ☐ _____ ☐ No (Not Intact) ☒ Not Present ☐ N/A

Initial: [Signature]

☐ Sample ☐ _____ ☐ No (Not Intact) ☒ Not Present

Initial: [Signature]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	☒	☐	☐
COC document(s) received complete.....	☒	☐	☐

☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.

☐ COC not relinquished. ☐ No date relinquished. ☐ No time relinquished.

Sampler's name indicated on COC.....	☐	☒	☐
--------------------------------------	--------------------------	-------------------------------------	--------------------------

Sample container label(s) consistent with COC.....	☒	☐	☐
--	-------------------------------------	--------------------------	--------------------------

Sample container(s) intact and good condition.....	☒	☐	☐
--	-------------------------------------	--------------------------	--------------------------

Correct containers and volume for analyses requested.....	☒	☐	☐
---	-------------------------------------	--------------------------	--------------------------

Analyses received within holding time.....	☒	☐	☐
--	-------------------------------------	--------------------------	--------------------------

Proper preservation noted on COC or sample container.....	☐	☐	☒
---	--------------------------	--------------------------	-------------------------------------

☐ Unpreserved vials received for Volatiles analysis

Volatile analysis container(s) free of headspace.....	☐	☐	☒
---	--------------------------	--------------------------	-------------------------------------

Tedlar bag(s) free of condensation.....	☐	☐	☒
---	--------------------------	--------------------------	-------------------------------------

CONTAINER TYPE:

Solid: ☐ 4ozCGJ ☒ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve ☐ EnCores® ☐ TerraCores® ☐ _____

Water: ☐ VOA ☐ VOA_h ☐ VOA_{na2} ☐ 125AGB ☐ 125AGB_h ☐ 125AGB_p ☐ 1AGB ☐ 1AGB_{na2} ☐ 1AGB_s

☐ 500AGB ☐ 500AGJ ☐ 500AGJ_s ☐ 250AGB ☐ 250CGB ☐ 250CGB_s ☐ 1PB ☐ 500PB ☐ 500PB_{na}

☐ 250PB ☐ 250PB_n ☐ 125PB ☐ 125PB_{znna} ☐ 100PBsterile ☐ 100PB_{na2} ☐ _____ ☐ _____ ☐ _____

Air: ☐ Tedlar® ☐ Summa® ☐ _____ **Sludge/Other:** ☐ _____ **Checked/Labeled by:** [Signature]

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar (Wide-mouth) B: Bottle (Narrow-mouth)

Reviewed by: [Signature]

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ Na: NaOH p: H₃PO₄ s: H₂SO₄ znna: ZnAc₂+NaOH

Scanned by: [Signature]

APPENDIX I

PTS LABORATORIES

PHYSICAL AND CHEMICAL

PROPERTY DATA



8100 Secura Way • Santa Fe Springs, CA 90670
Telephone (562) 347-2500 • Fax (562) 907-3610

April 2, 2009

Jessica Ramirez, P.E.
Geosyntec Consultants
924 Anacapa Street, Suite 4A
Santa Barbara, CA 93101

Re: PTS File No: 39207
Physical Properties Data
ASCON Landfill; SB0320

Dear Ms. Ramirez:

Please find enclosed report for Physical Properties analyses conducted upon samples received from your ASCON Landfill; SB0320 project. All analyses were performed by applicable ASTM, EPA, or API methodologies. An electronic version of the report has previously been sent to your attention via the internet. The samples are currently in storage and will be retained for thirty days past completion of testing at no charge. Please note that the samples will be returned to Geosyntec at that time. You may contact me regarding storage, disposal, or return of the samples.

PTS Laboratories appreciates the opportunity to be of service. If you have any questions or require additional information, please give me a call at (562) 347-2502.

Sincerely,
PTS Laboratories

Michael Mark Brady, P.G.
Project Manager

Encl.

Project Name: ASCON Landfill
Project Number: SB0320

PTS File No: 39207
Client: Geosyntec Consultants

TEST PROGRAM - PROBABLE ANALYSES TO COMPLETION AS OF 3/16/2009

CORE ID	Depth ft.	Core Recovery ft.	Pore Fluid Saturation Package	Remold Sample for PFS	3-Point Viscosity/ Density	Dynamic Viscosity 50°F	Dynamic Viscosity 60°F	Dynamic Viscosity 80°F	Dynamic Viscosity 90°F	Monitor Off gas with PID	Notes
Rcvd. 2/27/09		Plugs:	Remold	Remold	Bulk	Bulk	Bulk	Bulk	Bulk	20g	
L1-N	N/A	N/A	X	X	DT	DT	DT	DT	DT	X	
L1-S	N/A	N/A	X	X	DT	DT	DT	DT	DT	X	
L1-E	N/A	N/A	X	X	DT	DT	DT	DT	DT	X	
L1-W	N/A	N/A	X	X	DT	DT	DT	DT	DT	X	
L2-N	N/A	N/A	X	X	DT	DT	DT	DT	DT	X	
L2-S	N/A	N/A	X	X	DT	DT	DT	DT	DT	X	
L2-E	N/A	N/A	X	X	DT	DT	DT	DT	DT	X	
L2-W	N/A	N/A	X	X	DT	DT	DT	DT	DT	X	
L2-N-tar	N/A	N/A	DT	DT	X	DT	DT	DT	DT	X	Only 1-quart can revd.
L1-N-tar	N/A	N/A	DT	DT	X	DT	DT	DT	DT	X	Only 1-quart can revd.
TOTALS:			8	8	2	0	0	0	0	10	18

Laboratory Test Program Notes

Ten (10) 1-quart cans and eight (8) 1"x3" sleeves received.

Fluids to be returned to site.

Monitoring of off gases by laboratory technician using PID meter during viscosity testing. Estimated at one hour per sample.

Use sleeve samples for remolded PFS testing plugs (1" or 1.5" diameter). Samples L2-N-tar and L1-N-tar use 1-quart can material.

Note: samples also received under PTS File No. 39125 from Test America. Check with Geosyntec regarding testing or return to site.

Program Update 3/14/09

Note: DT = Discontinue Testing

Unable to perform viscosity measurements on 8 of 10 samples submitted. May be able to obtain viscosity measurements on "tar" samples at 130° & 100°F, will attempt to run at lower temperatures if possible.

Unable to perform Pore Fluid Saturation (Dean-Stark) testing on 2 of 10 samples submitted ("tar" samples not suitable for Dean-Stark).

Manually monitor off gases using PID meter at 50°, 60°, 70°, 80°, 90°, 100°, and 130°

PTS File No: ASCON Landfill
Client: SB0320

PTS Laboratories

PHYSICAL PROPERTIES DATA - PORE FLUID SATURATIONS

PROJECT NAME: 39207
PROJECT NO: Geosyntec Consultants

SAMPLE ID.	DEPTH, ft.	METHODS: SAMPLE ORIENTATION (1)	API RP 40 / ASTM D2216 MOISTURE CONTENT, % weight	API RP 40		API RP 40		API RP 40	
				DENSITY		POROSITY, %Vb (2)		PORE FLUID SATURATIONS, % Pv (3)	
				BULK, g/cc	GRAIN, g/cc	TOTAL	AIR FILLED	WATER	NAPL
L1-N	N/A	Remold	173.6	0.43	2.68	83.8	10.2	66.1	21.7
L1-S	N/A	Remold	193.2	0.38	2.54	85.0	12.6	62.1	23.0
L1-E	N/A	Remold	211.3	0.35	2.57	86.5	13.4	71.7	12.8
L1-W	N/A	Remold	205.2	0.37	2.54	85.5	10.3	62.9	25.1
L2-N	N/A	Remold	162.9	0.43	2.54	82.9	12.1	71.4	14.0
L2-S	N/A	Remold	80.8	0.72	2.50	71.0	12.6	48.9	33.4
L2-E	N/A	Remold	119.7	0.55	2.59	78.6	12.5	58.5	25.5
L2-W	N/A	Remold	49.3	1.05	2.70	61.1	9.5	53.0	31.5

(1) Sample Orientation: H = horizontal; V = vertical

(2) Total Porosity = all interconnected pore channels; Air Filled = pore channels not occupied by pore fluids

(3) Water = 0.9996 g/cc, Hydrocarbon = 1.050 g/cc

Vb = Bulk Volume, cc; Pv = Pore Volume, cc; ND = Not Detected

PTS File No: 39207
 Client: Geosyntec Consultants

VISCOSITY, DENSITY, and SPECIFIC GRAVITY DATA

(METHODOLOGY: ASTM D445, ASTM D1481, API RP40)

PROJECT NAME: ASCON Landfill
 PROJECT NO: SB0320

SAMPLE ID	MATRIX	TEMPERATURE, °F	SPECIFIC GRAVITY	DENSITY, g/cc	VISCOSITY	
					centistokes	centipoise
L2-N-tar	NAPL	50	N/A*	N/A*	20000000**	N/A*
		60	N/A*	N/A*	7000000**	N/A*
		70	N/A*	N/A*	3000000**	N/A*
		80	N/A*	N/A*	1000000**	N/A*
		90	N/A*	N/A*	500000**	N/A*
		100	1.032	1.025	289,134	296,375
		130	1.030	1.015	43,226	43,886
L1-N-tar	NAPL	50	N/A*	N/A*	>20,000,000**	N/A*
		60	N/A*	N/A*	20000000**	N/A*
		70	N/A*	N/A*	7000000**	N/A*
		80	N/A*	N/A*	2000000**	N/A*
		90	N/A*	N/A*	950000**	N/A*
		100	1.032	1.025	301,412	308,927
		130	1.025	1.011	36,755	37,147

*Viscosity greater than method/equipment capability, unable to measure fluid viscosity or density.

**Viscosity greater than method/equipment capability; results extrapolated.

PTS File No: 39207
Client: Geosyntec Consultants

PID READINGS

PROJECT NAME: ASCON Landfill
PROJECT NO: SB0320

SAMPLE ID.	DEPTH, ft.	TEMPERATURE, °F	ANALYSES DATE	ANALYSES TIME	PID READING, ppm
L1-N	N/A	50	03/18/09	10:47	39.6
	N/A	60	03/18/09	11:21	38.4
	N/A	70	03/18/09	13:02	17.9
	N/A	80	03/18/09	13:40	13.9
	N/A	90	03/18/09	14:15	29.8
	N/A	100	03/18/09	15:15	70.5
	N/A	130	03/18/09	16:25	74.0
L1-S	N/A	50	03/18/09	11:25	13.5
	N/A	60	03/18/09	10:50	5.5
	N/A	70	03/18/09	13:20	7.7
	N/A	80	03/18/09	13:45	6.6
	N/A	90	03/18/09	14:18	67.4
	N/A	100	03/18/09	15:19	22.6
	N/A	130	03/18/09	16:28	16.6
L1-E	N/A	50	03/18/09	11:00	42.9
	N/A	60	03/18/09	11:05	24.5
	N/A	70	03/18/09	13:12	24.8
	N/A	80	03/18/09	13:47	15.6
	N/A	90	03/18/09	14:21	31.9
	N/A	100	03/18/09	15:24	25.2
	N/A	130	03/18/09	16:19	8.5
L1-W	N/A	50	03/18/09	11:12	20.2
	N/A	60	03/18/09	11:25	18.8
	N/A	70	03/18/09	13:18	12.7
	N/A	80	03/18/09	13:49	9.9
	N/A	90	03/18/09	14:24	22.2
	N/A	100	03/18/09	15:26	20.1
	N/A	130	03/18/09	16:17	22.6
L2-N	N/A	50	03/18/09	11:02	32.8
	N/A	60	03/18/09	11:08	16.2
	N/A	70	03/18/09	13:10	19.1
	N/A	80	03/18/09	13:50	12.4
	N/A	90	03/18/09	14:26	28.2
	N/A	100	03/18/09	15:28	15.9
	N/A	130	03/18/09	16:15	27.8

PTS File No: 39207
Client: Geosyntec Consultants

PID READINGS

PROJECT NAME: ASCON Landfill
PROJECT NO: SB0320

SAMPLE ID.	DEPTH, ft.	TEMPERATURE, °F	ANALYSES DATE	ANALYSES TIME	PID READING, ppm
L2-S	N/A	50	03/18/09	11:16	18.8
	N/A	60	03/18/09	11:30	22.2
	N/A	70	03/18/09	13:05	31.1
	N/A	80	03/18/09	13:52	19.1
	N/A	90	03/18/09	14:29	21.3
	N/A	100	03/18/09	15:31	116.0
	N/A	130	03/18/09	16:12	111.0
L2-E	N/A	50	03/18/09	11:06	53.8
	N/A	60	03/18/09	11:38	75.1
	N/A	70	03/18/09	13:25	17.5
	N/A	80	03/18/09	13:55	23.2
	N/A	90	03/18/09	14:31	16.9
	N/A	100	03/18/09	15:33	96.7
	N/A	130	03/18/09	16:09	43.9
L2-W	N/A	50	03/18/09	11:10	54.8
	N/A	60	03/18/09	11:34	77.7
	N/A	70	03/18/09	13:15	57.7
	N/A	80	03/18/09	13:57	34.5
	N/A	90	03/18/09	14:33	53.8
	N/A	100	03/18/09	15:36	150.0
	N/A	130	03/18/09	16:07	330.0
L2-N-tar	N/A	50	03/18/09	10:55	4.2
	N/A	60	03/18/09	11:36	8.9
	N/A	70	03/18/09	13:09	7.8
	N/A	80	03/18/09	13:59	2.1
	N/A	90	03/18/09	14:35	3.6
	N/A	100	03/18/09	15:38	9.0
	N/A	130	03/18/09	16:05	9.7
L1-N-tar	N/A	50	03/18/09	11:20	8.8
	N/A	60	03/18/09	11:32	7.8
	N/A	70	03/18/09	13:23	6.5
	N/A	80	03/18/09	14:01	3.1
	N/A	90	03/18/09	14:40	10.2
	N/A	100	03/18/09	15:41	7.1
	N/A	130	03/18/09	16:02	3.1

COMPANY				ANALYSIS REQUEST										PO#	
Geosyntec Consultants															
ADDRESS		CITY	ZIP CODE												
924 Anacapa St. Ste 4A		Santa Barbara	93101												
PROJECT MANAGER															
Jeff Zukin															
PROJECT NAME		PHONE NUMBER													
ASCON Landfill		805-897-3900													
PROJECT NUMBER		FAX NUMBER													
SB0320		805-897-8689													
SITE LOCATION															
Huntington Beach, CA															
SAMPLER SIGNATURE															
Kevin Coffman															
SAMPLE ID NUMBER	DATE	TIME	DEPTH, FT												
L1-N	2-27-9	0930	—												
L1-S		0940	—												
L1-E		0950	—												
L1-W		1000	—												
L2-N		1005	—												
L2-S		1015	—												
L2-E		1030	—												
L2-W		1045	—												
L2-N-tar		1105	—												
L1-N-tar		1130	—												
1. RELINQUISHED BY				2. RECEIVED BY										4. RECEIVED BY	
Kevin Coffman				Jeff Zukin											
COMPANY				COMPANY										COMPANY	
Geosyntec Consultants				Geosyntec Consultants											
DATE		TIME		DATE		TIME		DATE		TIME		DATE		TIME	
2-27-9		1210		2-27-9		1210		2-27-9		1210		2-27-9		1210	

APPENDIX J

PCR MOBILE LABORATORIES IN-FIELD SCREENING DATA

Annotated XRF Printout
Ascon Landfill
Huntington Beach, CA
Analyses Completed 1-30-09

Client: Geosyntec Consultants
Niton Serial # XLp 16230

Index	Sample ID	Time	Duration	Units	Pb	Pb Error
1	HI	1/30/2009 11:23	99.18	ppm	6454.91	84.5
2	MED	1/30/2009 11:27	78.14	ppm	1234.46	37.77
3	LO	1/30/2009 11:30	61.72	ppm	17.66	9.6
4	CHECK	1/30/2009 11:35	120	ppm	261.78	14.7
5	BLANK	1/30/2009 11:42	120	ppm	-0.56	4.34
6	SB-20-4	1/30/2009 11:47	71.08	ppm	52.36	10.8
7	SB-20-8	1/30/2009 11:59	120	ppm	103.6	10.82
8	SB-9-8	1/30/2009 12:07	120	ppm	44.22	8.1
9	SB-10-0.5	1/30/2009 12:25	120	ppm	110.57	10.74
10	SB-10-0.5 DUP	1/30/2009 12:29	84.8	ppm	115.08	13.01
11	SB-6-0.5	1/30/2009 12:36	61.42	ppm	67.54	12.67
12	SB-7-8	1/30/2009 12:39	61.25	ppm	98.6	13.87
13	SB-5-0.5	1/30/2009 12:42	70.48	ppm	34.35	9.6
14	SB-7-4	1/30/2009 12:46	98.22	ppm	112.14	12.06
15	SB-11-8	1/30/2009 12:49	61.31	ppm	22.6	11.28
16	MED	1/30/2009 12:53	80.05	ppm	1247.27	37.42
17	CHECK	1/30/2009 12:56	64.38	ppm	251.52	19.61
18	BLANK	1/30/2009 12:59	69.58	ppm	-0.92	5.66
19	SB-14-0.5	1/30/2009 13:02	65.39	ppm	34.59	10.75
20	SB-11-4	1/30/2009 13:08	101.49	ppm	83.59	11.06
21	SB-14-8	1/30/2009 13:16	75.81	ppm	39.24	9.41
22	SB-20-0.5	1/30/2009 13:23	61.44	ppm	53.09	11.73
23	SB-20-0.5 DUP	1/30/2009 13:27	73.83	ppm	55.36	10.91
24	SB-5-8	1/30/2009 13:31	80.69	ppm	20.54	8.53
25	SB-5-4	1/30/2009 13:38	102.28	ppm	73.16	10.38
26	SB-6-4	1/30/2009 13:42	64.34	ppm	218.04	18.97
27	SB-6-8	1/30/2009 13:46	66.7	ppm	34.33	9.29
28	SB-17-6	1/30/2009 13:50	65.57	ppm	39.35	10.92
29	MED	1/30/2009 13:54	85.45	ppm	1284.69	36.78
30	CHECK	1/30/2009 13:57	65.64	ppm	253.7	19.78
31	BLANK	1/30/2009 14:00	62.58	ppm	-3.23	5.74
32	SB-9-0.5	1/30/2009 14:03	76.24	ppm	50.66	10.76
33	SB-9-0.5 DUP	1/30/2009 14:06	65.33	ppm	52.48	11.96
34	SB-15-4	1/30/2009 14:09	61.76	ppm	37.6	11.19
35	SB-9-4	1/30/2009 14:13	81.8	ppm	42.78	9.62
36	MED	1/30/2009 14:17	64.89	ppm	1271.95	41.92
37	CHECK	1/30/2009 14:20	71.37	ppm	258.59	18.81
38	BLANK	1/30/2009 14:24	70.13	ppm	4.89	6.14
39	SB-13-4	1/30/2009 16:21	61.11	ppm	27.24	9.8
40	SB-13-4 DUP	1/30/2009 16:24	62.72	ppm	30.86	9.86
41	SB-19-3	1/30/2009 16:28	65.93	ppm	53.23	11.41
42	SB-15-0.5	1/30/2009 16:31	87.34	ppm	65.47	10.18
43	SB-19-0.5	1/30/2009 16:34	61.2	ppm	69.22	12.65
44	SB-19-5	1/30/2009 16:37	61.23	ppm	63.88	13.35
45	SB-10-4	1/30/2009 16:41	68.28	ppm	37.29	10.73

Annotated XRF Printout
Ascon Landfill
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Client: Geosyntec Consultants
Niton Serial # XLp 16230

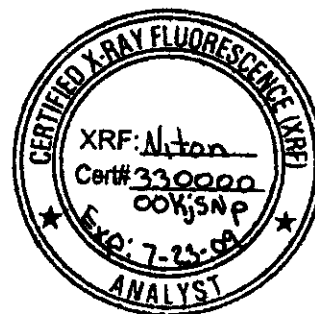
46	SB-12-0.5	1/30/2009 16:44	62.37	ppm	29.95	10.48
47	SB-12-4	1/30/2009 16:47	62.21	ppm	41.55	9.91
48	SB-16-8	1/30/2009 16:50	60.77	ppm	162.38	16.81
49	MED	1/30/2009 16:53	71.69	ppm	1252.03	39.49
50	CHECK	1/30/2009 16:56	62.95	ppm	268.5	20.48
51	BLANK	1/30/2009 16:59	62.55	ppm	1.11	6.1
52	SB-16-0.5	1/30/2009 17:02	61.04	ppm	36.7	10.67
53	SB-16-0.5 DUP	1/30/2009 17:05	62.6	ppm	37.73	10.56
54	SB-16-4	1/30/2009 17:08	61.25	ppm	36.4	10.87
55	SB-8-4	1/30/2009 17:11	61.83	ppm	67.85	12.3
56	SB-10-8	1/30/2009 17:14	63.94	ppm	63.59	12.06
57	SB-8-0.5	1/30/2009 17:17	60.84	ppm	60.3	12.62
58	SB-12-8	1/30/2009 17:21	90.11	ppm	51.49	9
59	SB-11-0.5	1/30/2009 17:24	65.25	ppm	2188.5	55.61
60	SB-14-4	1/30/2009 17:27	62.65	ppm	18.28	9.84
61	SB-8-8	1/30/2009 17:30	61.61	ppm	59.4	11.89
62	MED	1/30/2009 17:33	63.81	ppm	1255.44	41.81
63	CHECK	1/30/2009 17:36	68.93	ppm	257.73	19.25
64	BLANK	1/30/2009 17:39	71.52	ppm	0.07	5.64
65	SB-13-0.5	1/30/2009 17:42	62.86	ppm	53.19	11.8
66	SB-13-0.5 DUP	1/30/2009 17:45	65.52	ppm	56.78	11.69
67	SB-7-0.5	1/30/2009 17:48	62.63	ppm	34.9	9.72
68	SB-18-8	1/30/2009 17:51	66.54	ppm	40.81	10.03
69	SB-13-8	1/30/2009 17:54	69.82	ppm	38.48	10.12
70	SB-18-0.5	1/30/2009 17:57	65.82	ppm	86.89	12.93
71	SB-17-0.5	1/30/2009 18:00	72.28	ppm	57.73	10.94
72	SB-15-8	1/30/2009 18:05	86.53	ppm	195.13	15.05
73	SB-17-4	1/30/2009 18:08	68.15	ppm	163.36	15.78
74	SB-18-4	1/30/2009 18:11	66.94	ppm	14.97	7.84
75	MED	1/30/2009 18:15	68.15	ppm	1273.84	40.98
76	CHECK	1/30/2009 18:19	71.08	ppm	262.1	19.21
77	BLANK	1/30/2009 18:21	60.97	ppm	2.07	6.29
78	SB-18-4 DUP	1/30/2009 18:24	61.14	ppm	13.93	8.11
79	SB-4-8	1/30/2009 18:28	61.27	ppm	32.28	10.28
80	SB-4-4	1/30/2009 18:32	69.25	ppm	43.83	11.06
81	SB-2-0.5	1/30/2009 18:35	62.29	ppm	94.21	13.96
82	SB-1-8	1/30/2009 18:38	77.7	ppm	11.17	7.68
83	SB-2-4	1/30/2009 18:42	67.71	ppm	45.69	11.13
84	SB-1-4	1/30/2009 18:45	61.02	ppm	30.74	11
85	SB-3-0.5	1/30/2009 18:48	61.58	ppm	65.95	12.14
86	SB-3-4	1/30/2009 18:51	66.9	ppm	37.24	10.09
87	SB-4-0.5	1/30/2009 18:54	61.5	ppm	49.26	11.43
88	MED	1/30/2009 18:59	61.94	ppm	1273.66	42.84
89	CHECK	1/30/2009 19:02	62.65	ppm	261.95	20.42
90	BLANK	1/30/2009 19:05	73.09	ppm	-0.63	5.5
91	SB-1-0.5	1/30/2009 19:08	60.95	ppm	77.12	13.25

Annotated XRF Printout
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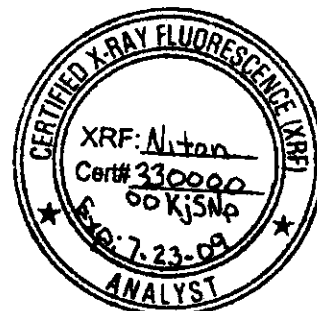
92	SB-1-0.5 DUP	1/30/2009 19:11	67.94	ppm	78.26	12.76
93	SB-2-8	1/30/2009 19:14	65.28	ppm	23.87	9.53
94	SB-3-8	1/30/2009 19:17	64.49	ppm	2386.16	57.53
95	MED	1/30/2009 19:20	62.75	ppm	1284.05	42.86
96	CHECK	1/30/2009 19:23	66.69	ppm	262.98	19.83
97	BLANK	1/30/2009 19:26	61.22	ppm	1.99	6.4

Index	Time	Duration	Units	Pb
1	2009-01-30 11:23	99.18	ppm	6454.91 ± 84.50
2	2009-01-30 11:27	78.14	ppm	1234.46 ± 37.77
3	2009-01-30 11:30	61.72	ppm	17.66 ± 9.60
4	2009-01-30 11:35	120.00	ppm	261.78 ± 14.70
5	2009-01-30 11:42	120.00	ppm	-0.56 ± 4.34
6	2009-01-30 11:47	71.08	ppm	52.36 ± 10.80
7	2009-01-30 11:59	120.00	ppm	103.60 ± 10.82
8	2009-01-30 12:07	120.00	ppm	44.22 ± 8.10
9	2009-01-30 12:25	120.00	ppm	110.57 ± 10.74
10	2009-01-30 12:29	84.80	ppm	115.08 ± 13.01
11	2009-01-30 12:36	61.42	ppm	67.54 ± 12.67
12	2009-01-30 12:39	61.25	ppm	98.60 ± 13.87
13	2009-01-30 12:42	70.48	ppm	34.35 ± 9.60
14	2009-01-30 12:46	98.22	ppm	112.14 ± 12.06
15	2009-01-30 12:49	61.31	ppm	22.60 ± 11.28
16	2009-01-30 12:53	80.05	ppm	1247.27 ± 37.42
17	2009-01-30 12:56	64.38	ppm	251.52 ± 19.61
18	2009-01-30 12:59	69.58	ppm	-0.92 ± 5.66
19	2009-01-30 13:02	65.39	ppm	34.59 ± 10.75
20	2009-01-30 13:08	101.49	ppm	83.59 ± 11.06
21	2009-01-30 13:16	75.81	ppm	39.24 ± 9.41
22	2009-01-30 13:23	61.44	ppm	53.09 ± 11.73
23	2009-01-30 13:27	73.83	ppm	55.36 ± 10.91
24	2009-01-30 13:31	80.69	ppm	20.54 ± 8.53
25	2009-01-30 13:38	102.28	ppm	73.16 ± 10.38
26	2009-01-30 13:42	64.34	ppm	218.04 ± 18.97
27	2009-01-30 13:46	66.70	ppm	34.33 ± 9.29
28	2009-01-30 13:50	65.57	ppm	39.35 ± 10.92
29	2009-01-30 13:54	85.45	ppm	1284.69 ± 36.78
30	2009-01-30 13:57	65.64	ppm	253.70 ± 19.78
31	2009-01-30 14:00	62.58	ppm	-3.23 ± 5.74
32	2009-01-30 14:03	76.24	ppm	50.66 ± 10.76
33	2009-01-30 14:06	65.33	ppm	52.48 ± 11.96
34	2009-01-30 14:09	61.76	ppm	37.60 ± 11.19
35	2009-01-30 14:13	81.80	ppm	42.78 ± 9.62
36	2009-01-30 14:17	64.89	ppm	1271.95 ± 41.92
37	2009-01-30 14:20	71.37	ppm	258.59 ± 18.81
38	2009-01-30 14:24	70.13	ppm	4.89 ± 6.14
39	2009-01-30 16:21	61.11	ppm	27.24 ± 9.80
40	2009-01-30 16:24	62.72	ppm	30.86 ± 9.86
41	2009-01-30 16:28	65.93	ppm	53.23 ± 11.41
42	2009-01-30 16:31	87.34	ppm	65.47 ± 10.18
43	2009-01-30 16:34	61.20	ppm	69.22 ± 12.65
44	2009-01-30 16:37	61.23	ppm	63.88 ± 13.35
45	2009-01-30 16:41	68.28	ppm	37.29 ± 10.73
46	2009-01-30 16:44	62.37	ppm	29.95 ± 10.48
47	2009-01-30 16:47	62.21	ppm	41.55 ± 9.91
48	2009-01-30 16:50	60.77	ppm	162.38 ± 16.81
49	2009-01-30 16:53	71.69	ppm	1252.03 ± 39.49
50	2009-01-30 16:56	62.95	ppm	268.50 ± 20.48
51	2009-01-30 16:59	62.55	ppm	1.11 ± 6.10
52	2009-01-30 17:02	61.04	ppm	36.70 ± 10.67
53	2009-01-30 17:05	62.60	ppm	37.73 ± 10.56
54	2009-01-30 17:08	61.25	ppm	36.40 ± 10.87
55	2009-01-30 17:11	61.83	ppm	67.85 ± 12.30
56	2009-01-30 17:14	63.94	ppm	63.59 ± 12.06



Greg Rueter 2/2/09

Index	Time	Duration	Units	Pb
57	2009-01-30 17:17	60.84	ppm	60.30 ± 12.62
58	2009-01-30 17:21	90.11	ppm	51.49 ± 9.00
59	2009-01-30 17:24	65.25	ppm	2188.50 ± 55.61
60	2009-01-30 17:27	62.65	ppm	18.28 ± 9.84
61	2009-01-30 17:30	61.61	ppm	59.40 ± 11.89
62	2009-01-30 17:33	63.81	ppm	1255.44 ± 41.81
63	2009-01-30 17:36	68.93	ppm	257.73 ± 19.25
64	2009-01-30 17:39	71.52	ppm	0.07 ± 5.64
65	2009-01-30 17:42	62.86	ppm	53.19 ± 11.80
66	2009-01-30 17:45	65.52	ppm	56.78 ± 11.69
67	2009-01-30 17:48	62.63	ppm	34.90 ± 9.72
68	2009-01-30 17:51	66.54	ppm	40.81 ± 10.03
69	2009-01-30 17:54	69.82	ppm	38.48 ± 10.12
70	2009-01-30 17:57	65.82	ppm	86.89 ± 12.93
71	2009-01-30 18:00	72.28	ppm	57.73 ± 10.94
72	2009-01-30 18:05	86.53	ppm	195.13 ± 15.05
73	2009-01-30 18:08	68.15	ppm	163.36 ± 15.78
74	2009-01-30 18:11	66.94	ppm	14.97 ± 7.84
75	2009-01-30 18:15	68.15	ppm	1273.84 ± 40.98
76	2009-01-30 18:19	71.08	ppm	262.10 ± 19.21
77	2009-01-30 18:21	60.97	ppm	2.07 ± 6.29
78	2009-01-30 18:24	61.14	ppm	13.93 ± 8.11
79	2009-01-30 18:28	61.27	ppm	32.28 ± 10.28
80	2009-01-30 18:32	69.25	ppm	43.83 ± 11.06
81	2009-01-30 18:35	62.29	ppm	94.21 ± 13.96
82	2009-01-30 18:38	77.70	ppm	11.17 ± 7.68
83	2009-01-30 18:42	67.71	ppm	45.69 ± 11.13
84	2009-01-30 18:45	61.02	ppm	30.74 ± 11.00
85	2009-01-30 18:48	61.58	ppm	65.95 ± 12.14
86	2009-01-30 18:51	66.90	ppm	37.24 ± 10.09
87	2009-01-30 18:54	61.50	ppm	49.26 ± 11.43
88	2009-01-30 18:59	61.94	ppm	1273.66 ± 42.84
89	2009-01-30 19:02	62.65	ppm	261.95 ± 20.42
90	2009-01-30 19:05	73.09	ppm	-0.63 ± 5.50
91	2009-01-30 19:08	60.95	ppm	77.12 ± 13.25
92	2009-01-30 19:11	67.94	ppm	78.26 ± 12.76
93	2009-01-30 19:14	65.28	ppm	23.87 ± 9.53
94	2009-01-30 19:17	64.49	ppm	2386.16 ± 57.53
95	2009-01-30 19:20	62.75	ppm	1284.05 ± 42.86
96	2009-01-30 19:23	66.69	ppm	262.98 ± 19.83
97	2009-01-30 19:26	61.22	ppm	1.99 ± 6.40



Greg Roubicek 2/2/09