Submittal Review
Prepared by: Robert Fields, STV

November 25, 2015

Project
PS 2R
SCA LLW NOs.: 091084, 091074, 091055, 091054, 091052

Submission

Submittal:	Backfill Analytical Data
Specification reference:	02201 - 1.04 F; 1.05 D; 2.01 B
Received date:	11/23/15
Copies:	1 - Electronic

STV has completed a review of one (1) laboratory analytical data report for proposed backfill material submitted for the PS 2R Site. The soil sample (Lab ID # 1505121-001) is understood to have been collected from proposed backfill material located at the Evergreen Recycling of Corona (EROC) facility. The sample was collected on May 18, 2015. STV compared the analytical data to the requirements of cover and non-cover environmentally clean fill material presented in Specification Section 02201 of the Contract Documents. Specific actions are as follows:

Product Submissions	**Review Action**
02201 – Backfill Analytical Data	Approved as noted [1 - 4]

NOTES:

1. Up to 500 cubic yards of fill represented by this sample is approved as cover material. The contractor shall submit one (1) sample meeting specified analytical requirements for STV/IEH approval for each additional 500 cubic yards of material to be imported to the site.

2. STV notes that the concentration of iron exceeds the criteria for both cover and non-contact material. The allowable limit for iron is 2,000 milligrams per kilogram (mg/Kg). The analytical reported value for iron was 11,500 mg/Kg. This is considered a naturally occurring concentration and its presence is not indicative of environmental contamination.

3. The volatile organic compound (VOC) methylene chloride was detected in the sample and also detected in the associated laboratory method blank. Methylene chloride is a common laboratory contaminant and its presence is not indicative of environmental contamination.

4. The concentrations of semi-volatile organic compounds (SVOCs) 2,4,5-trichlorophenol, 2,4-dinitrophenol, 4-chloroaniline, 4-nitrophenol, nitrobenzene and VOC 2,6-dinitrotoluene were reported as non-detect (ND) by the analytical laboratory. The Limit of Quantitation (LOQ) for each of the analytes listed above was above the associated comparison criteria for cover and non-contact material; however, the Limit of Detection (LOD) for each analyte is below the corresponding criteria for cover and non-contact material. Laboratory reporting protocol requires results of analysis to be reported as less than the LOQ when the concentration of the analyte does not exceed the LOD. In cases where the analyte is detected above the LOD and below the LOQ, the actual result will be reported with a “J”, which qualifies the result as an estimated value. Based on this protocol it can be concluded that these analytes are not present in the sample above the LOD, and, therefore, are below the corresponding comparison criteria.

225 PARK AVENUE SOUTH
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STV's review was limited to environmental considerations only. The sieve analysis should be reviewed by the Architect of Record or Geotechnical Engineer for all other requirements.

These comments should not be construed in any way as intent to limit the Contractor's responsibilities. The absence of a comment with respect to a specific Contract requirement should not be interpreted as a suggestion to change a Contract requirement.

American Analytical Laboratories, L
56 Toledo St
Farmingdale, New York 11
TEL: (631) 454-6100 FAX: (631) 454-8
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STV Incorporated
FILE No.: 3017079
☐ CONFORMS
☑ CONFORMS AS NOTED
☐ REVISE AS NOTED AND RESUBMIT
☐ REJECTED, RESUBMIT
☐ REVIEW NOT REQUIRED
BY: ROBERT FIELDS
DATE: 11-25-15
THIS DOCUMENT HAS BEEN REVIEWED FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT ONLY.
This review does not relieve the contractor or any subcontractor of responsibility for full compliance with contract requirements; for correctness of dimensions, clearances, and material quantities; for proper design of details; for proper fabrication and construction techniques; for proper coordination with other trades; and for providing all devices required for safe and satisfactory construction and operation.

May 22, 2015

Dave Cinquemani
Evergreen Recycling of Corona
127-50 Northern Boulevard
Flushing, NY 11368
TEL: (718) 205-8038
FAX (718) 205-8202

RE: SCA Sand Or

Dear Dave Cinquemani:

American Analytical Laboratories, LLC. received 1 sample(s) on
presented in the following report.

Samples were analyzed in accordance with the test procedures doc
custody and detailed throughout the text of this report. The result
the items tested or to the samples as received by the laboratory. Th
reproduced, except in full, without the approval of American Analytical Laboratories, LLC and is not considered complete without a cover page and chain of custody documentation. The limits (LOQ) provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

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

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

Sincerely,

Lori Beyer

Lori Beyer
Lab Director
American Analytical Laboratories, LLC.

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Workorder Sample Summary

WO#: **1505121**

22-May-15

CLIENT: Evergreen Recycling of Corona
Project: SCA Sand

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1505121-001A	SCA Sand		5/18/2015	5/18/2015 5:00:00 PM	Soil
1505121-001B	SCA Sand		5/18/2015	5/18/2015 5:00:00 PM	Soil

CHAIN OF CUSTODY

AMERICAN ANALYTICAL LABORATORIES

56 Toledo Street, Farmingdale NY 11735
(T) 631-454-6100 (F) 631-454-8027
www.american-analytical.com

CERTIFICATIONS
NY ELAP - 11418 PA DEP - 68-00573
NJ DEP - NY050 CT DOH - PH-0205

Client Information		Project Information	
Company Name	Evergreen Recycling of Corona	Project Name	SCA Sand
Address	127-50 Northern Blvd	Street	
City	Flushing	City	
State	NY	State	
Zip	11368	Zip	
Project Contact	~~SCA SAND~~	Project #	
Phone #	Dave Cinquemani	Sampler's Name / Company	
E-mail		Sampler's Signature	

Analytical Information: SCA Sand

LAB SAMPLE # (LAB USE ONLY)	Client Sample ID	Sample Type	Matrix Code	Date	Time	Glass / Plastic	Total # of bottles	NONE	HCl	NaOH	HNO_3	H_2SO_4	$NaHSO_4$	MeOH	OTHER
1505121-001 A,B	SCA sand	G	S	5/18/15		G	2								

Turnaround Time (Business Days)

Standard
- [ ] 7-10 Business Days
- [ ] 3 Day *RUSH*
- [x] 5 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 1 Day *RUSH*

SAMPLE TYPE: G = Grab; C = Composite; B = Blank

MATRIX CODES: L = Liquid; PC = Paint Chip; S = Soil; SL = Sludge; O = Oil; SD = Solid; W = Wipe; M = Miscellaneous

Comments / Remarks

Cooler Temp: 3.8°C

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
[signature]	5/18/15		[signature]	5-18-15 1528	C Dunn
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
[signature]	5-18-15 1700	C Dunn	[signature]	5/18/15 17:00	[signature]

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Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Sample Log-In Check List

Client Name: **EROC** Work Order Number: **1505121** RcptNo: **1**

Logged by:	**Lori Beyer**	**5/18/2015 5:00:00 PM**	Lori Beyer
Completed By:	**Lori Beyer**	**5/19/2015 9:31:31 AM**	Lori Beyer
Reviewed By:	**Karen Kelly**	**5/19/2015**	Karen Kelly

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? AAL Lab Courier

Log In

3. Coolers are present? Yes ☑ No ☐ NA ☐
4. Shipping container/cooler in good condition? Yes ☑ No ☐
   Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☑
   No. Seal Date: Signed By:
5. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
7. Sample(s) in proper container(s)? Yes ☐ No ☑
8. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
10. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ No VOA Vials ☑
12. Were any sample containers received broken? Yes ☐ No ☑
13. Does paperwork match bottle labels? Yes ☑ No ☐
    (Note discrepancies on chain of custody)
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☑ No ☐
16. Were all holding times able to be met? Yes ☑ No ☐
    (If no, notify customer for authorization.)

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

18. Additional remarks:

    VOC sample was not collected according to Method 5035A.

Cooler Information

Cooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By

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Case Narrative

WO#: **1505121**
Date: **5/22/2015**

CLIENT: Evergreen Recycling of Corona
Project: SCA Sand

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

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846 and additional methods as detailed throughout the text of the report. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives with exceptions notated in this Narrative discussion and/or in the QC Summary Section of the lab report with appropriate qualifiers. Additional quality control information such as surrogate recovery values for organic testing is provided as part of the analytical results. Batch MS/MSD results are provided in the QC section of the lab report unless the MS/MSD summary forms indicate one of your sample identifications. MS/MSD results relate only to the parent sample that was spiked.

Soil sample results analyzed for Volatile Organics via preparation method SW846 Method 5035A by the Low Level procedures potentially may be estimated, "J" (biased low) since the samples for this test were not collected according to the 5035A Method. Volatile LCS are analyzed with preservatives - HCL/NaHSO4/Methanol depending on level of analysis (high/low) similar to sample analysis. Outliers can be attributed to the presence of chemical preservatives. 2-Chloroethyl vinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Pesticide/PCB/Herbicide analysis are analyzed on two distinct columns. Once a target compound is qualitatively confirmed by detection on both columns and quantitation is determined to be >40% between the two columns, AAL's policy is to report the lower of the values as suggested by SW846 Method 8000C in cases where no interference exists. If in the professional judgment of the laboratory, the higher value must be utilized this is explained in the lab report.

The following parameters (if included in this report) are not offered by NY ELAP: VOA 8260 Soil; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Diisopropyl ether, Ethanol, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl Acetate, n-Butyl Acetate, n-Propyl Acetate. VOA 8260 Liquid; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl acetate, n-Butyl Acetate, n-Propyl Acetate. Pesticides 8081 Soil; DBCP. Herbicides 8151 Soil; 3,5-Dichlorobenzoic Acid, 4-Nitrophenol, Acifluorfen, Bentazon, Chloramben, DCPA, Picloram .Lachat 10-107-6-1B Ammonia in Soil, SM 2540G Total Volatile Solids, Soil TKN, Soil Organic Nitrogen, Percent Moisture, SM 4500-SO3 B Sulfite in Liquid, Total Sulfur in Soil, Acid Soluble Chloride by ASTMC1152, Water Soluble Chloride by ASTMC1218,

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Case Narrative

WO#: **1505121**
Date: **5/22/2015**

CLIENT: Evergreen Recycling of Corona
Project: SCA Sand

Chlorine Demand by SM 2350 B, Total Residual Chlorine in Liquid and Nitrate-Nitrite, Nitrogen in non-potable water and Reactivity to Sulfide and Reactivity to Cyanide.

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

Definitions:

Sample Result and QC Summary Qualifiers - Level I and Level II Reports
ND - Not detected at the reporting limit/Limit of Quantitation

B - The analyte was detected in the associated method blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <5x the blank value as artifact.

E - The value is above the quantitation range

D - Analyte concentration was obtained from diluted analysis or from analysis using reduced sample volume.

J - The analyte was detected below the limit of quantitation but greater than the established Limit of Detection (LOD). There is greater uncertainty associated with these results and data should be considered as estimated.

U - The compound was analyzed for but not detected.

H - Holding time for preparation or analysis has been exceeded.

S - Spike recovery is outside accepted recovery limits.

R - RPD is outside accepted recovery range.

P - Secondary column exceeds 40% difference for GC test.

* - Calibration exceeds method requirement. Due to the large number of analytes for organic testing, the method allows 10% of analytes to have %RSD and/or %D to be >20%.

LOD - Limit of Detection; the lowest level the analyte can be determined to be statistically different from a blank.

LOQ - Limit of Quantitation; the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accurary.
m - Analyte was manually integrated for GC/MS.
+ - Concentration exceeds regulatory level for TCLP

American Analytical Laboratories, LLC.

Date: *22-May-15*

ELAP ID : 11418

CLIENT:	Evergreen Recycling of Corona	**Client Sample ID:**	SCA Sand
Lab Order:	1505121	**Collection Date:**	5/18/2015
Project:	SCA Sand	**Matrix:**	SOIL
Lab ID:	1505121-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **LA**
1,1,1,2-Tetrachloroethane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
1,1,1-Trichloroethane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
1,1,2,2-Tetrachloroethane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethan	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
1,1,2-Trichloroethane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
1,1-Dichloroethane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
1,1-Dichloroethene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
1,1-Dichloropropene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
1,2,3-Trichlorobenzene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
1,2,3-Trichloropropane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
1,2,4,5-Tetramethylbenzene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
1,2,4-Trichlorobenzene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
1,2,4-Trimethylbenzene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
1,2-Dibromo-3-chloropropane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
1,2-Dibromoethane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
1,2-Dichlorobenzene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
1,2-Dichloroethane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
1,2-Dichloropropane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
1,3,5-Trimethylbenzene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
1,3-Dichlorobenzene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
1,3-dichloropropane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
1,4-Dichlorobenzene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
1,4-Dioxane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
2,2-Dichloropropane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
2-Butanone	ND	5.1	10	U*	µg/Kg-dry	1	5/20/2015 5:44:00 AM
2-Chloroethyl vinyl ether	ND	1	5.1	U*	µg/Kg-dry	1	5/20/2015 5:44:00 AM
2-Chlorotoluene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
2-Hexanone	ND	5.1	10	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
2-Propanol	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
4-Chlorotoluene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
4-Isopropyltoluene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
4-Methyl-2-pentanone	ND	5.1	10	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Acetone	ND	5.1	10	U*	µg/Kg-dry	1	5/20/2015 5:44:00 AM

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American Analytical Laboratories, LLC.

Date: *22-May-15*

ELAP ID : 11418

CLIENT:	Evergreen Recycling of Corona	**Client Sample ID:**	SCA Sand
Lab Order:	1505121	**Collection Date:**	5/18/2015
Project:	SCA Sand	**Matrix:**	SOIL
Lab ID:	1505121-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **LA**
Benzene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Bromobenzene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Bromochloromethane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Bromodichloromethane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Bromoform	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Bromomethane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Carbon disulfide	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Carbon tetrachloride	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Chlorobenzene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Chlorodifluoromethane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Chloroethane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Chloroform	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Chloromethane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
cis-1,2-Dichloroethene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
cis-1,3-Dichloropropene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Cyclohexane	ND	2	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Dibromochloromethane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Dibromomethane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Dichlorodifluoromethane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Diisopropyl ether	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Ethanol	ND	10	20	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Ethylbenzene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Freon-114	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Hexachlorobutadiene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Isopropylbenzene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
m,p-Xylene	ND	2	10	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Methyl Acetate	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Methyl tert-butyl ether	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Methylene chloride	6.6	5.1	10	BJ*	µg/Kg-dry	1	5/20/2015 5:44:00 AM
n-Butylbenzene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
n-Propylbenzene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Naphthalene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
o-Xylene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM

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Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com

American Analytical Laboratories, LLC.

Date: *22-May-15*

ELAP ID : 11418

CLIENT:	Evergreen Recycling of Corona	**Client Sample ID:**	SCA Sand
Lab Order:	1505121	**Collection Date:**	5/18/2015
Project:	SCA Sand	**Matrix:**	SOIL
Lab ID:	1505121-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **LA**
p-Diethylbenzene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
p-Ethyltoluene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
sec-Butylbenzene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Styrene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
t-Butyl alcohol	ND	2.5	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
tert-Butylbenzene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Tetrachloroethene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Toluene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
trans-1,2-Dichloroethene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
trans-1,3-Dichloropropene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Trichloroethene	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Trichlorofluoromethane	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Vinyl acetate	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Vinyl chloride	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Acrolein	ND	13	25	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Acrylonitrile	ND	1	5.1	U	µg/Kg-dry	1	5/20/2015 5:44:00 AM
Surr: 4-Bromofluorobenzene	95.8	0	50-139		%REC	1	5/20/2015 5:44:00 AM
Surr: Dibromofluoromethane	112	0	50-138		%REC	1	5/20/2015 5:44:00 AM
Surr: Toluene-d8	104	0	71-120		%REC	1	5/20/2015 5:44:00 AM

American Analytical Laboratories, LLC.

Date: *22-May-15*

ELAP ID : 11418

CLIENT:	Evergreen Recycling of Corona	**Client Sample ID:**	SCA Sand
Lab Order:	1505121	**Collection Date:**	5/18/2015
Project:	SCA Sand	**Matrix:**	SOIL
Lab ID:	1505121-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **JP**
Mercury	0.00779	0.008	0.0117	J	mg/Kg-dry	1	5/21/2015 12:32:04 PM
HERBICIDES SW-846 8151			**SW8151A**		**SW8151A**		Analyst: **SB**
2,4,5-T	ND	1.04	3.1	PU	µg/Kg-dry	1	5/22/2015 12:03:00 PM
2,4,5-TP	ND	1.04	3.1	U	µg/Kg-dry	1	5/22/2015 12:03:00 PM
2,4-D	ND	1.04	3.1	U	µg/Kg-dry	1	5/22/2015 12:03:00 PM
Dicamba	1.3	1.04	3.1	J	µg/Kg-dry	1	5/22/2015 12:03:00 PM
Surr: 2,4-DCAA	88.6	0	16-152	P	%REC	1	5/22/2015 12:03:00 PM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3546**		Analyst: **SB**
Aroclor 1016	ND	10	21	U	µg/Kg-dry	1	5/20/2015 3:02:00 AM
Aroclor 1221	ND	10	21	U	µg/Kg-dry	1	5/20/2015 3:02:00 AM
Aroclor 1232	ND	10	21	U	µg/Kg-dry	1	5/20/2015 3:02:00 AM
Aroclor 1242	ND	10	21	U	µg/Kg-dry	1	5/20/2015 3:02:00 AM
Aroclor 1248	ND	10	21	U	µg/Kg-dry	1	5/20/2015 3:02:00 AM
Aroclor 1254	ND	10	21	U	µg/Kg-dry	1	5/20/2015 3:02:00 AM
Aroclor 1260	ND	10	21	U	µg/Kg-dry	1	5/20/2015 3:02:00 AM
Aroclor 1262	ND	10	21	U	µg/Kg-dry	1	5/20/2015 3:02:00 AM
Aroclor 1268	ND	10	21	U	µg/Kg-dry	1	5/20/2015 3:02:00 AM
Surr: DCB	74.3	0	12-151		%REC	1	5/20/2015 3:02:00 AM
Surr: DCB	75.2	0	12-151		%REC	1	5/20/2015 3:02:00 AM
Surr: TCX	78.6	0	18-147		%REC	1	5/20/2015 3:02:00 AM
Surr: TCX	87.4	0	18-147		%REC	1	5/20/2015 3:02:00 AM
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3546**		Analyst: **SB**
4,4´-DDD	ND	1	2.6	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
4,4´-DDE	ND	1	2.6	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
4,4´-DDT	ND	1	2.6	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
Aldrin	ND	1	2.6	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
alpha-BHC	ND	1	2.6	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
alpha-Chlordane	ND	6.2	10	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
beta-BHC	ND	1	2.6	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
Chlorobenzilate	ND	1	2.6	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
DBCP	ND	1	2.6	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM

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American Analytical Laboratories, LLC.

Date: *22-May-15*

ELAP ID : 11418

CLIENT:	Evergreen Recycling of Corona	**Client Sample ID:**	SCA Sand
Lab Order:	1505121	**Collection Date:**	5/18/2015
Project:	SCA Sand	**Matrix:**	SOIL
Lab ID:	1505121-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3546**		Analyst: **SB**
delta-BHC	ND	1	2.6	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
Dieldrin	ND	1	2.6	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
Endosulfan I	ND	1	2.6	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
Endosulfan II	ND	1	2.6	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
Endosulfan sulfate	ND	1	2.6	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
Endrin	ND	1	2.6	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
Endrin aldehyde	ND	1	2.6	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
Endrin ketone	ND	1	2.6	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
gamma-BHC	ND	1	2.6	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
gamma-Chlordane	ND	6.2	10	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
Heptachlor	ND	2.1	3.1	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
Heptachlor epoxide	ND	1	2.6	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
Hexachlorobenzene	ND	1	2.6	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
Hexachlorocyclopentadiene	ND	3.1	3.1	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
Methoxychlor	ND	1	2.6	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
Toxaphene	ND	13	26	U	µg/Kg-dry	1	5/20/2015 12:34:00 PM
Surr: DCB	91.1	0	16-148		%REC	1	5/20/2015 12:34:00 PM
Surr: DCB	95.1	0	16-148		%REC	1	5/20/2015 12:34:00 PM
Surr: TCX	57.6	0	19-145		%REC	1	5/20/2015 12:34:00 PM
Surr: TCX	64.7	0	19-145		%REC	1	5/20/2015 12:34:00 PM
PERCENT MOISTURE			**D2216**				Analyst: **KK**
Percent Moisture	4.04	0	1.00		wt%	1	5/22/2015 11:16:07 AM
TOTAL METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Aluminum	2560	0.10	0.410		mg/Kg-dry	1	5/22/2015 10:43:40 AM
Antimony	ND	0.21	0.513	U	mg/Kg-dry	1	5/22/2015 10:43:40 AM
Arsenic	1.32	0.21	0.513		mg/Kg-dry	1	5/22/2015 10:43:40 AM
Barium	18.0	0.21	0.410		mg/Kg-dry	1	5/22/2015 10:43:40 AM
Beryllium	ND	0.10	0.410	U	mg/Kg-dry	1	5/22/2015 10:43:40 AM
Cadmium	ND	0.10	0.410	U	mg/Kg-dry	1	5/22/2015 10:43:40 AM
Calcium	665	0.21	0.513		mg/Kg-dry	1	5/22/2015 10:43:40 AM
Chromium	10.7	0.10	0.410		mg/Kg-dry	1	5/22/2015 10:43:40 AM
Cobalt	ND	0.10	0.410	U	mg/Kg-dry	1	5/22/2015 10:43:40 AM

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American Analytical Laboratories, LLC.

Date: *22-May-15*

ELAP ID : 11418

CLIENT:	Evergreen Recycling of Corona	**Client Sample ID:**	SCA Sand
Lab Order:	1505121	**Collection Date:**	5/18/2015
Project:	SCA Sand	**Matrix:**	SOIL
Lab ID:	1505121-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Copper	6.19	0.10	0.410		mg/Kg-dry	1	5/22/2015 10:43:40 AM
Iron	11500	2.05	4.10	D	mg/Kg-dry	10	5/22/2015 11:06:28 AM
Lead	6.11	0.21	0.410		mg/Kg-dry	1	5/22/2015 10:43:40 AM
Magnesium	795	0.10	0.410		mg/Kg-dry	1	5/22/2015 10:43:40 AM
Manganese	246	0.10	0.410		mg/Kg-dry	1	5/22/2015 10:43:40 AM
Nickel	7.20	0.10	0.410		mg/Kg-dry	1	5/22/2015 10:43:40 AM
Potassium	405	0.21	0.513		mg/Kg-dry	1	5/22/2015 10:43:40 AM
Selenium	ND	0.21	0.513	U	mg/Kg-dry	1	5/22/2015 10:43:40 AM
Silver	ND	0.10	0.410	U	mg/Kg-dry	1	5/22/2015 10:43:40 AM
Sodium	32.9	0.21	0.513		mg/Kg-dry	1	5/22/2015 10:43:40 AM
Thallium	ND	0.31	0.513	U	mg/Kg-dry	1	5/22/2015 10:43:40 AM
Vanadium	12.3	0.10	0.410		mg/Kg-dry	1	5/22/2015 10:43:40 AM
Zinc	15.6	0.10	0.410		mg/Kg-dry	1	5/22/2015 10:43:40 AM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3546**		Analyst: **MH**
Biphenyl	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
1,2,4-Trichlorobenzene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
1,2-Dichlorobenzene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
1,3-Dichlorobenzene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
1,4-Dichlorobenzene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
2,4,5-Trichlorophenol	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
2,4,6-Trichlorophenol	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
2,4-Dichlorophenol	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
2,4-Dimethylphenol	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
2,4-Dinitrophenol	ND	52	520	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
2,4-Dinitrotoluene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
2,6-Dinitrotoluene	ND	52	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
2-Chloronaphthalene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
2-Chlorophenol	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
2-Methylnaphthalene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
2-Methylphenol	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
2-Nitroaniline	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
2-Nitrophenol	ND	52	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM

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American Analytical Laboratories, LLC.

Date: *22-May-15*

ELAP ID : 11418

CLIENT:	Evergreen Recycling of Corona	**Client Sample ID:**	SCA Sand
Lab Order:	1505121	**Collection Date:**	5/18/2015
Project:	SCA Sand	**Matrix:**	SOIL
Lab ID:	1505121-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3546**		Analyst: **MH**
3+4-Methylphenol	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
3,3´-Dichlorobenzidine	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
3-Nitroaniline	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
4,6-Dinitro-2-methylphenol	ND	52	520	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
4-Bromophenyl phenyl ether	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
4-Chloro-3-methylphenol	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
4-Chloroaniline	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
4-Chlorophenyl phenyl ether	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
4-Nitroaniline	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
4-Nitrophenol	ND	52	520	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Acenaphthene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Acenaphthylene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Acetophenone	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Aniline	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Anthracene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Atrazine	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Azobenzene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Benzaldehyde	ND	52	520	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Benzidine	ND	52	520	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Benzo(a)anthracene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Benzo(a)pyrene	ND	26	160	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Benzo(b)fluoranthene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Benzo(g,h,i)perylene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Benzo(k)fluoranthene	ND	26	260	Um	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Benzoic acid	ND	52	520	U*	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Benzyl alcohol	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Bis(2-chloroethoxy)methane	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Bis(2-chloroethyl)ether	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Bis(2-chloroisopropyl)ether	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Bis(2-ethylhexyl)phthalate	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Butyl benzyl phthalate	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Caprolactam	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Carbazole	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM

American Analytical Laboratories, LLC.

Date: *22-May-15*

ELAP ID : 11418

CLIENT:	Evergreen Recycling of Corona	**Client Sample ID:**	SCA Sand
Lab Order:	1505121	**Collection Date:**	5/18/2015
Project:	SCA Sand	**Matrix:**	SOIL
Lab ID:	1505121-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3546**		Analyst: **MH**
Chrysene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Di-n-butyl phthalate	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Di-n-octyl phthalate	ND	52	520	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Dibenzo(a,h)anthracene	ND	26	160	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Dibenzofuran	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Diethyl phthalate	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Dimethyl phthalate	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Fluoranthene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Fluorene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Hexachlorobenzene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Hexachlorobutadiene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Hexachlorocyclopentadiene	ND	52	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Hexachloroethane	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Indeno(1,2,3-c,d)pyrene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Isophorone	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
N-Nitrosodi-n-propylamine	ND	26	160	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
N-Nitrosodimethylamine	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
N-Nitrosodiphenylamine	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Naphthalene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Nitrobenzene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Parathion	ND	52	520	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Pentachlorophenol	ND	52	520	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Phenanthrene	ND	26	260	Um	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Phenol	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Pyrene	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Pyridine	ND	26	260	U	µg/Kg-dry	1	5/21/2015 2:19:00 AM
Surr: 2,4,6-Tribromophenol	76.7	0	14-144		%REC	1	5/21/2015 2:19:00 AM
Surr: 2-Fluorobiphenyl	74.0	0	17-129		%REC	1	5/21/2015 2:19:00 AM
Surr: 2-Fluorophenol	76.1	0	21-149		%REC	1	5/21/2015 2:19:00 AM
Surr: 4-Terphenyl-d14	85.1	0	18-134		%REC	1	5/21/2015 2:19:00 AM
Surr: Nitrobenzene-d5	77.6	0	18-125		%REC	1	5/21/2015 2:19:00 AM
Surr: Phenol-d6	74.9	0	20-147		%REC	1	5/21/2015 2:19:00 AM

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American Analytical Laboratories, LLC.

Date: *22-May-15*

ELAP ID : 11418

CLIENT:	Evergreen Recycling of Corona	**Client Sample ID:**	SCA Sand
Lab Order:	1505121	**Collection Date:**	5/18/2015
Project:	SCA Sand	**Matrix:**	SOIL
Lab ID:	1505121-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
CYANIDE, TOTAL			**SW9012B**		**SW9012B**		Analyst: **STP**
Cyanide, Total & Amenable: Auto Colorimetric	ND	0.05	0.104	U	mg/Kg-dry	1	5/20/2015 2:55:58 PM
TRIVALENT CHROMIUM			**SW6010C**				Analyst: **PAV**
Chromium, Trivalent	10.7	0.1	0.400		mg/Kg	1	5/22/2015 2:01:08 PM
HEXAVALENT CHROMIUM			**SW7196A**		**SW3060A**		Analyst: **PAV**
Chromium, Hexavalent	ND	0.21	0.517	U	mg/Kg-dry	1	5/20/2015

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Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4938**

Sample ID **LCS-4938** SampType: **LCS** TestCode: **8082_S** Units: **%REC** Prep Date: **5/19/2015** RunNo: **8480**
Client ID: **LCSS** Batch ID: **4938** TestNo: **SW8082A** **SW3546** Analysis Date: **5/19/2015** SeqNo: **157643**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	19		25.00		75.8	12	151				
Surr: TCX	19		25.00		77.0	18	147				

Sample ID **MB-4938** SampType: **MBLK** TestCode: **8082_S** Units: **%REC** Prep Date: **5/19/2015** RunNo: **8480**
Client ID: **PBS** Batch ID: **4938** TestNo: **SW8082A** **SW3546** Analysis Date: **5/19/2015** SeqNo: **157644**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	18		25.00		71.9	12	151				
Surr: TCX	19		25.00		75.7	18	147				

Sample ID **1505124-002BMSD** SampType: **MSD** TestCode: **8082_S** Units: **%REC** Prep Date: **5/19/2015** RunNo: **8480**
Client ID: **BatchQC** Batch ID: **4938** TestNo: **SW8082A** **SW3546** Analysis Date: **5/20/2015** SeqNo: **157663**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	5.1		24.76		20.7	12	151		0	20	
Surr: TCX	8.8		24.76		35.4	18	147		0	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

Original

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4938**

Sample ID **LCS-4938** SampType: **LCS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8479**
Client ID: **LCSS** Batch ID: **4938** TestNo: **SW8082A** **SW3546** Analysis Date: **5/19/2015** SeqNo: **157671**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	160	20	250.0	0	64.2	30	140				
Aroclor 1221	ND	20		0	0	30	130				U
Aroclor 1232	ND	20		0	0	30	140				U
Aroclor 1242	ND	20		0	0	20	140				U
Aroclor 1248	ND	20		0	0	35	135				U
Aroclor 1254	ND	20		0	0	34	145				U
Aroclor 1260	150	20	250.0	0	59.5	30	130				
Aroclor 1262	ND	20		0	0	30	130				U
Aroclor 1268	ND	20		0	0	35	135				U
Surr: DCB	16		25.00		62.6	12	151				
Surr: TCX	16		25.00		64.8	18	147				

Sample ID **MB-4938** SampType: **MBLK** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8479**
Client ID: **PBS** Batch ID: **4938** TestNo: **SW8082A** **SW3546** Analysis Date: **5/19/2015** SeqNo: **157672**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	20									U
Aroclor 1221	ND	20									U
Aroclor 1232	ND	20									U
Aroclor 1242	ND	20									U
Aroclor 1248	ND	20									U
Aroclor 1254	ND	20									U
Aroclor 1260	ND	20									U
Aroclor 1262	ND	20									U
Aroclor 1268	ND	20									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4938**

Sample ID **MB-4938** SampType: **MBLK** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8479**
Client ID: **PBS** Batch ID: **4938** TestNo: **SW8082A** **SW3546** Analysis Date: **5/19/2015** SeqNo: **157672**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	18		25.00		70.0	12	151				
Surr: TCX	17		25.00		67.8	18	147				

Sample ID **1505124-002BMSD** SampType: **MSD** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8479**
Client ID: **BatchQC** Batch ID: **4938** TestNo: **SW8082A** **SW3546** Analysis Date: **5/20/2015** SeqNo: **157691**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	65	20	247.6	0	26.1	30	140	221.3	109	20	RS
Aroclor 1221	ND	20		0	0	30	130	0	0	20	U
Aroclor 1232	ND	20		0	0	30	140	0	0	20	U
Aroclor 1242	ND	20		0	0	20	140	0	0	20	U
Aroclor 1248	ND	20		0	0	35	135	0	0	20	U
Aroclor 1254	ND	20		0	0	34	145	0	0	20	U
Aroclor 1260	53	20	247.6	0	21.5	30	130	198.8	115	20	RS
Aroclor 1262	ND	20		0	0	30	130	0	0	20	U
Aroclor 1268	ND	20		0	0	35	135	0	0	20	U
Surr: DCB	4.1		24.76		16.6	12	151		0	20	
Surr: TCX	7.4		24.76		30.1	18	147		0	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**
22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand
BatchID: **4939**

Sample ID **MB-4939** SampType: **MBLK** TestCode: **8081_S** Units: **%REC** Prep Date: **5/19/2015** RunNo: **8476**
Client ID: **PBS** Batch ID: **4939** TestNo: **SW8081B** **SW3546** Analysis Date: **5/19/2015** SeqNo: **157607**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	27		25.00		107	16	148				
Surr: TCX	15		25.00		60.6	19	145				

Sample ID **LCS-4939** SampType: **LCS** TestCode: **8081_S** Units: **%REC** Prep Date: **5/19/2015** RunNo: **8476**
Client ID: **LCSS** Batch ID: **4939** TestNo: **SW8081B** **SW3546** Analysis Date: **5/19/2015** SeqNo: **157608**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	21		25.00		84.0	16	148				
Surr: TCX	12		25.00		48.9	19	145				

Sample ID **1505094-001BMS** SampType: **MS** TestCode: **8081_S** Units: **%REC** Prep Date: **5/19/2015** RunNo: **8476**
Client ID: **BatchQC** Batch ID: **4939** TestNo: **SW8081B** **SW3546** Analysis Date: **5/20/2015** SeqNo: **157619**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	16		26.88		60.4	16	148				
Surr: TCX	11		26.88		39.3	19	145				

Sample ID **1505094-001BMSD** SampType: **MSD** TestCode: **8081_S** Units: **%REC** Prep Date: **5/19/2015** RunNo: **8476**
Client ID: **BatchQC** Batch ID: **4939** TestNo: **SW8081B** **SW3546** Analysis Date: **5/20/2015** SeqNo: **157620**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	25		26.93		92.8	16	148		0	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4939**

Sample ID **1505094-001BMSD** SampType: **MSD** TestCode: **8081_S** Units: **%REC** Prep Date: **5/19/2015** RunNo: **8476**
Client ID: **BatchQC** Batch ID: **4939** TestNo: **SW8081B** **SW3546** Analysis Date: **5/20/2015** SeqNo: **157620**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: TCX	15		26.93		54.8	19	145		0	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4939**

Sample ID	**MB-4939**	SampType:	**MBLK**	TestCode:	**8081_S**	Units:	**µg/Kg**	Prep Date:	**5/19/2015**	RunNo:	**8475**
Client ID:	**PBS**	Batch ID:	**4939**	TestNo:	**SW8081B**	**SW3546**		Analysis Date:	**5/19/2015**	SeqNo:	**157581**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.5									U
4,4´-DDE	ND	2.5									U
4,4´-DDT	ND	2.5									U
Aldrin	ND	2.5									U
alpha-BHC	ND	2.5									U
alpha-Chlordane	ND	10									U
beta-BHC	ND	2.5									U
Chlorobenzilate	ND	2.5									U
DBCP	ND	2.5									U
delta-BHC	ND	2.5									U
Dieldrin	ND	2.5									U
Endosulfan I	ND	2.5									U
Endosulfan II	ND	2.5									U
Endosulfan sulfate	ND	2.5									U
Endrin	ND	2.5									U
Endrin aldehyde	ND	2.5									U
Endrin ketone	ND	2.5									U
gamma-BHC	ND	2.5									U
gamma-Chlordane	ND	10									U
Heptachlor	ND	3.0									U
Heptachlor epoxide	ND	2.5									U
Hexachlorobenzene	ND	2.5									U
Hexachlorocyclopentadiene	ND	3.0									U
Methoxychlor	ND	2.5									U
Toxaphene	ND	25									U
Surr: DCB	23		25.00		91.0	16	148				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4939**

Sample ID **MB-4939** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8475**
Client ID: **PBS** Batch ID: **4939** TestNo: **SW8081B** **SW3546** Analysis Date: **5/19/2015** SeqNo: **157581**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: TCX	13		25.00		51.3	19	145				

Sample ID **LCS-4939** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8475**
Client ID: **LCSS** Batch ID: **4939** TestNo: **SW8081B** **SW3546** Analysis Date: **5/19/2015** SeqNo: **157582**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	7.2	2.5	10.00	0	72.5	21	153				
4,4´-DDE	7.2	2.5	10.00	0	72.0	31	151				
4,4´-DDT	7.8	2.5	10.00	0	78.2	28	152				P
Aldrin	7.4	2.5	10.00	0	74.3	25	156				
alpha-BHC	9.3	2.5	10.00	0	92.8	31	148				
alpha-Chlordane	7.7	10	10.00	0	77.1	34	153				
beta-BHC	9.3	2.5	10.00	0	93.0	32	153				
Chlorobenzilate	6.7	2.5		0	0	23	151				P
DBCP	6.9	2.5	10.00	0	69.0	11	146				
delta-BHC	8.1	2.5	10.00	0	81.3	26	156				
Dieldrin	7.3	2.5	10.00	0	73.1	35	151				P
Endosulfan I	7.5	2.5	10.00	0	75.0	21	153				
Endosulfan II	6.9	2.5	10.00	0	68.9	27	147				P
Endosulfan sulfate	7.6	2.5	10.00	0	76.1	38	152				P
Endrin	7.1	2.5	10.00	0	71.3	38	151				P
Endrin aldehyde	7.4	2.5	10.00	0	73.6	23	157				P
Endrin ketone	8.4	2.5	10.00	0	84.2	34	153				
gamma-BHC	8.1	2.5	10.00	0	80.6	24	152				
gamma-Chlordane	7.6	10	10.00	0	75.8	27	156				P

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4939**

Sample ID **LCS-4939** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8475**
Client ID: **LCSS** Batch ID: **4939** TestNo: **SW8081B** **SW3546** Analysis Date: **5/19/2015** SeqNo: **157582**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heptachlor	9.0	3.0	10.00	0	89.7	30	155				
Heptachlor epoxide	8.3	2.5	10.00	0	82.6	38	150				
Hexachlorobenzene	2.8	2.5	10.00	0	28.0	13	151				
Hexachlorocyclopentadiene	5.4	3.0	10.00	0	53.9	23	148				
Methoxychlor	8.5	2.5	10.00	0	85.2	30	149				
Toxaphene	ND	25		0	0	30	145				U
Surr: DCB	18		25.00		73.6	16	148				
Surr: TCX	11		25.00		44.3	19	145				

Sample ID **1505094-001BMS** SampType: **MS** TestCode: **8081_S** Units: **µg/Kg-dry** Prep Date: **5/19/2015** RunNo: **8475**
Client ID: **BatchQC** Batch ID: **4939** TestNo: **SW8081B** **SW3546** Analysis Date: **5/20/2015** SeqNo: **157593**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	8.8	2.7	10.75	0	82.2	11	142				
4,4´-DDE	7.9	2.7	10.75	0	73.4	13	151				
4,4´-DDT	11	2.7	10.75	1.920	80.8	10	146				
Aldrin	8.5	2.7	10.75	1.711	62.9	23	145				
alpha-BHC	9.3	2.7	10.75	0	86.5	10	143				
alpha-Chlordane	12	11	10.75	0	113	10	155				
beta-BHC	9.8	2.7	10.75	0	90.7	20	156				
Chlorobenzilate	8.9	2.7	10.75	0	82.8	26	148				
DBCP	6.5	2.7	10.75	0	60.7	12	145				
delta-BHC	7.2	2.7	10.75	0	67.4	30	147				
Dieldrin	7.3	2.7	10.75	0	68.3	20	151				
Endosulfan I	7.7	2.7	10.75	0	71.6	13	150				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**
22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand
BatchID: **4939**

Sample ID **1505094-001BMS** SampType: **MS** TestCode: **8081_S** Units: **µg/Kg-dry** Prep Date: **5/19/2015** RunNo: **8475**
Client ID: **BatchQC** Batch ID: **4939** TestNo: **SW8081B** **SW3546** Analysis Date: **5/20/2015** SeqNo: **157593**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endosulfan II	6.9	2.7	10.75	0	64.2	11	140				P
Endosulfan sulfate	7.4	2.7	10.75	0	69.2	10	156				P
Endrin	7.4	2.7	10.75	0	69.2	10	149				
Endrin aldehyde	7.2	2.7	10.75	0	66.9	15	140				P
Endrin ketone	7.9	2.7	10.75	0	73.8	10	141				
gamma-BHC	7.2	2.7	10.75	0	66.6	10	146				
gamma-Chlordane	12	11	10.75	0	110	10	153				P
Heptachlor	9.6	3.2	10.75	0	89.6	10	148				
Heptachlor epoxide	10	2.7	10.75	2.776	70.0	30	149				
Hexachlorobenzene	2.2	2.7	10.75	0	20.4	10	137				JP
Hexachlorocyclopentadiene	4.3	3.2	10.75	0	40.4	13	137				
Methoxychlor	8.8	2.7	10.75	0	82.0	11	153				
Toxaphene	ND	27		0	0	20	140				U
Surr: DCB	17		26.88		62.9	16	148				
Surr: TCX	10		26.88		37.5	19	145				

Sample ID **1505094-001BMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg-dry** Prep Date: **5/19/2015** RunNo: **8475**
Client ID: **BatchQC** Batch ID: **4939** TestNo: **SW8081B** **SW3546** Analysis Date: **5/20/2015** SeqNo: **157594**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	10	2.7	10.77	0	93.5	11	142	8.839	13.1	20	
4,4´-DDE	10	2.7	10.77	0	94.6	13	151	7.889	25.5	20	R
4,4´-DDT	12	2.7	10.77	1.920	97.1	10	146	10.61	15.5	20	
Aldrin	11	2.7	10.77	1.711	89.1	23	145	8.475	28.7	20	R
alpha-BHC	12	2.7	10.77	0	109	10	143	9.304	22.9	20	R

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

Original

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4939**

Sample ID **1505094-001BMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg-dry** Prep Date: **5/19/2015** RunNo: **8475**
Client ID: **BatchQC** Batch ID: **4939** TestNo: **SW8081B** **SW3546** Analysis Date: **5/20/2015** SeqNo: **157594**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
alpha-Chlordane	15	11	10.77	0	141	10	155	12.12	22.5	20	R
beta-BHC	13	2.7	10.77	0	123	20	156	9.752	30.6	20	R
Chlorobenzilate	10	2.7		0	0	26	148	8.899	14.4	20	
DBCP	8.5	2.7	10.77	0	78.6	12	145	6.526	25.9	20	R
delta-BHC	8.8	2.7	10.77	0	81.3	30	147	7.246	18.9	20	
Dieldrin	9.5	2.7	10.77	0	88.5	20	151	7.348	25.9	20	PR
Endosulfan I	9.7	2.7	10.77	0	90.1	13	150	7.701	23.0	20	R
Endosulfan II	8.4	2.7	10.77	0	78.2	11	140	6.903	19.9	20	P
Endosulfan sulfate	9.2	2.7	10.77	0	84.9	10	156	7.445	20.6	20	R
Endrin	9.6	2.7	10.77	0	89.1	10	149	7.445	25.3	20	R
Endrin aldehyde	8.6	2.7	10.77	0	79.4	15	140	7.196	17.3	20	P
Endrin ketone	10	2.7	10.77	0	93.2	10	141	7.930	23.4	20	PR
gamma-BHC	10	2.7	10.77	0	92.8	10	146	7.164	33.1	20	R
gamma-Chlordane	13	11	10.77	0	125	10	153	11.78	13.5	20	P
Heptachlor	13	3.2	10.77	0	117	10	148	9.635	26.4	20	R
Heptachlor epoxide	13	2.7	10.77	2.776	93.0	30	149	10.31	21.5	20	R
Hexachlorobenzene	3.5	2.7	10.77	0	32.5	10	137	2.192	45.9	20	R
Hexachlorocyclopentadiene	5.8	3.2	10.77	0	53.4	13	137	4.341	27.9	20	R
Methoxychlor	11	2.7	10.77	0	101	11	153	8.815	21.2	20	R
Toxaphene	ND	27		0	0	20	140	0	0	20	U
Surr: DCB	23		26.93		84.8	16	148		0	20	
Surr: TCX	14		26.93		51.4	19	145		0	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

Original

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Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4941**

Sample ID **MB-4941** SampType: **MBLK** TestCode: **8270_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8492**
Client ID: **PBS** Batch ID: **4941** TestNo: **SW8270D** **SW3546** Analysis Date: **5/20/2015** SeqNo: **157860**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine	ND	250									U
Atrazine	ND	250									U
Benzaldehyde	ND	500									U
Benzidine	ND	500									U
Caprolactam	ND	250									U

Sample ID **LCS-4941** SampType: **LCS** TestCode: **8270_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8492**
Client ID: **LCSS** Batch ID: **4941** TestNo: **SW8270D** **SW3546** Analysis Date: **5/20/2015** SeqNo: **157861**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine	1400	250	2000	0	72.3	10	106				
Atrazine	ND	250		0	0	20	130				U
Benzaldehyde	ND	500		0	0	20	130				U
Benzidine	280	500	2000	0	13.8	1	100				
Caprolactam	ND	250		0	0	20	130				U

Sample ID **1505122-001BMS** SampType: **MS** TestCode: **8270_S** Units: **µg/Kg-dry** Prep Date: **5/19/2015** RunNo: **8492**
Client ID: **BatchQC** Batch ID: **4941** TestNo: **SW8270D** **SW3546** Analysis Date: **5/21/2015** SeqNo: **157952**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine	1600	270	2185	0	73.6	15	120				
Atrazine	ND	270		0	0	50	120				U
Benzaldehyde	ND	550		0	0	20	120				U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4941**

Sample ID **1505122-001BMS** SampType: **MS** TestCode: **8270_S** Units: **µg/Kg-dry** Prep Date: **5/19/2015** RunNo: **8492**
Client ID: **BatchQC** Batch ID: **4941** TestNo: **SW8270D** **SW3546** Analysis Date: **5/21/2015** SeqNo: **157952**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzidine	420	550	2185	0	19.1	1	137				J
Caprolactam	ND	270		0	0	20	130				U

Sample ID **1505122-001BMSD** SampType: **MSD** TestCode: **8270_S** Units: **µg/Kg-dry** Prep Date: **5/19/2015** RunNo: **8492**
Client ID: **BatchQC** Batch ID: **4941** TestNo: **SW8270D** **SW3546** Analysis Date: **5/21/2015** SeqNo: **157953**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine	1600	270	2189	0	75.3	15	120	0	200	20	R
Atrazine	ND	270		0	0	50	120	0	0	20	U
Benzaldehyde	ND	550		0	0	20	120	0	0	20	U
Benzidine	350	550	2189	0	15.8	1	137	0	200	20	JR
Caprolactam	ND	270		0	0	20	130	0	0	20	U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4941**

Sample ID	**MB-4941**	SampType:	**MBLK**	TestCode:	**8270_S**	Units:	**µg/Kg**	Prep Date:	**5/19/2015**	RunNo:	**8491**
Client ID:	**PBS**	Batch ID:	**4941**	TestNo:	**SW8270D**	**SW3546**		Analysis Date:	**5/20/2015**	SeqNo:	**157855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl	ND	250									U
1,2,4-Trichlorobenzene	ND	250									U
1,2-Dichlorobenzene	ND	250									U
1,3-Dichlorobenzene	ND	250									U
1,4-Dichlorobenzene	ND	250									U
2,4,5-Trichlorophenol	ND	250									U
2,4,6-Trichlorophenol	ND	250									U
2,4-Dichlorophenol	ND	250									U
2,4-Dimethylphenol	ND	250									U
2,4-Dinitrophenol	ND	500									U
2,4-Dinitrotoluene	ND	250									U
2,6-Dinitrotoluene	ND	250									U
2-Chloronaphthalene	ND	250									U
2-Chlorophenol	ND	250									U
2-Methylnaphthalene	ND	250									U
2-Methylphenol	ND	250									U
2-Nitroaniline	ND	250									U
2-Nitrophenol	ND	250									U
3+4-Methylphenol	ND	250									U
3-Nitroaniline	ND	250									U
4,6-Dinitro-2-methylphenol	ND	500									U
4-Bromophenyl phenyl ether	ND	250									U
4-Chloro-3-methylphenol	ND	250									U
4-Chloroaniline	ND	250									U
4-Chlorophenyl phenyl ether	ND	250									U
4-Nitroaniline	ND	250									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4941**

Sample ID	**MB-4941**	SampType:	**MBLK**	TestCode:	**8270_S**	Units:	**µg/Kg**	Prep Date:	**5/19/2015**	RunNo:	**8491**
Client ID:	**PBS**	Batch ID:	**4941**	TestNo:	**SW8270D**	**SW3546**		Analysis Date:	**5/20/2015**	SeqNo:	**157855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitrophenol	ND	500									U
Acenaphthene	ND	250									U
Acenaphthylene	ND	250									U
Acetophenone	ND	250									U
Aniline	ND	250									U
Anthracene	ND	250									U
Azobenzene	ND	250									U
Benzo(a)anthracene	ND	250									U
Benzo(a)pyrene	ND	150									U
Benzo(b)fluoranthene	ND	250									U
Benzo(g,h,i)perylene	ND	250									U
Benzo(k)fluoranthene	ND	250									U
Benzoic acid	ND	500									U*
Benzyl alcohol	ND	250									U
Bis(2-chloroethoxy)methane	ND	250									U
Bis(2-chloroethyl)ether	ND	250									U
Bis(2-chloroisopropyl)ether	ND	250									U
Bis(2-ethylhexyl)phthalate	ND	250									U
Butyl benzyl phthalate	ND	250									U
Carbazole	ND	250									U
Chrysene	ND	250									U
Di-n-butyl phthalate	ND	250									U
Di-n-octyl phthalate	ND	500									U
Dibenzo(a,h)anthracene	ND	150									U
Dibenzofuran	ND	250									U
Diethyl phthalate	ND	250									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4941**

Sample ID **MB-4941** SampType: **MBLK** TestCode: **8270_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8491**
Client ID: **PBS** Batch ID: **4941** TestNo: **SW8270D** **SW3546** Analysis Date: **5/20/2015** SeqNo: **157855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dimethyl phthalate	ND	250									U
Fluoranthene	ND	250									U
Fluorene	ND	250									U
Hexachlorobenzene	ND	250									U
Hexachlorobutadiene	ND	250									U
Hexachlorocyclopentadiene	ND	250									U
Hexachloroethane	ND	250									U
Indeno(1,2,3-c,d)pyrene	ND	250									U
Isophorone	ND	250									U
N-Nitrosodi-n-propylamine	ND	150									U
N-Nitrosodimethylamine	ND	250									U
N-Nitrosodiphenylamine	ND	250									U
Naphthalene	ND	250									U
Nitrobenzene	ND	250									U
Parathion	ND	500									U
Pentachlorophenol	ND	500									U
Phenanthrene	ND	250									U
Phenol	ND	250									U
Pyrene	ND	250									U
Pyridine	ND	250									U
Surr: 2,4,6-Tribromophenol	1500		2000		72.8	14	144				
Surr: 2-Fluorobiphenyl	890		1000		89.3	17	129				
Surr: 2-Fluorophenol	1700		2000		86.3	21	149				
Surr: 4-Terphenyl-d14	980		1000		98.2	18	134				
Surr: Nitrobenzene-d5	840		1000		84.3	18	125				
Surr: Phenol-d6	1700		2000		83.6	20	147				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4941**

Sample ID	**MB-4941**	SampType:	**MBLK**	TestCode:	**8270_S**	Units:	**µg/Kg**	Prep Date:	**5/19/2015**	RunNo:	**8491**	
Client ID:	**PBS**	Batch ID:	**4941**	TestNo:	**SW8270D**	**SW3546**		Analysis Date:	**5/20/2015**	SeqNo:	**157855**	

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

Sample ID	**LCS-4941**	SampType:	**LCS**	TestCode:	**8270_S**	Units:	**µg/Kg**	Prep Date:	**5/19/2015**	RunNo:	**8491**	
Client ID:	**LCSS**	Batch ID:	**4941**	TestNo:	**SW8270D**	**SW3546**		Analysis Date:	**5/20/2015**	SeqNo:	**157856**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl	ND	250		0	0	28	126				U
1,2,4-Trichlorobenzene	1700	250	2000	0	85.5	20	126				
1,2-Dichlorobenzene	1700	250	2000	0	83.4	23	128				
1,3-Dichlorobenzene	1700	250	2000	0	83.3	22	121				
1,4-Dichlorobenzene	1600	250	2000	0	80.2	20	128				
2,4,5-Trichlorophenol	1800	250	2000	0	90.3	23	135				
2,4,6-Trichlorophenol	1700	250	2000	0	82.9	20	128				
2,4-Dichlorophenol	1800	250	2000	0	88.2	20	125				
2,4-Dimethylphenol	1800	250	2000	0	87.6	16	122				
2,4-Dinitrophenol	1300	500	2000	0	62.5	1	112				
2,4-Dinitrotoluene	ND	250		0	0	20	127				U
2,6-Dinitrotoluene	ND	250		0	0	12	125				U
2-Chloronaphthalene	1800	250	2000	0	88.8	21	124				
2-Chlorophenol	1700	250	2000	0	85.4	23	133				
2-Methylnaphthalene	1700	250	2000	0	86.2	22	120				
2-Methylphenol	1700	250	2000	0	83.9	24	130				
2-Nitroaniline	1700	250	2000	0	85.9	14	115				
2-Nitrophenol	1700	250	2000	0	83.2	15	129				
3+4-Methylphenol	3300	250	4000	0	82.9	18	140				
3-Nitroaniline	1600	250	2000	0	79.6	14	120				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

Original

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4941**

Sample ID **LCS-4941** SampType: **LCS** TestCode: **8270_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8491**
Client ID: **LCSS** Batch ID: **4941** TestNo: **SW8270D** **SW3546** Analysis Date: **5/20/2015** SeqNo: **157856**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,6-Dinitro-2-methylphenol	1500	500	2000	0	75.0	10	120				
4-Bromophenyl phenyl ether	1800	250	2000	0	89.6	21	134				
4-Chloro-3-methylphenol	1700	250	2000	0	85.2	16	132				
4-Chloroaniline	1200	250	2000	0	59.4	10	101				
4-Chlorophenyl phenyl ether	1700	250	2000	0	87.3	20	127				
4-Nitroaniline	1700	250	2000	0	84.8	20	133				
4-Nitrophenol	1600	500	2000	0	81.7	5	125				
Acenaphthene	1700	250	2000	0	86.3	14	132				
Acenaphthylene	1800	250	2000	0	88.3	17	130				
Acetophenone	ND	250		0	0	34	129				U
Aniline	930	250	2000	0	46.7	5	105				
Anthracene	1800	250	2000	0	89.3	20	132				
Azobenzene	ND	250		0	0	26	144				U
Benzo(a)anthracene	1800	250	2000	0	92.3	20	138				
Benzo(a)pyrene	1800	150	2000	0	90.7	14	130				
Benzo(b)fluoranthene	1800	250	2000	0	91.3	20	130				
Benzo(g,h,i)perylene	1800	250	2000	0	92.0	10	142				
Benzo(k)fluoranthene	1800	250	2000	0	91.7	20	137				
Benzoic acid	280	500	2000	0	14.0	1	114				*
Benzyl alcohol	ND	250		0	0	20	130				U
Bis(2-chloroethoxy)methane	1700	250	2000	0	86.6	19	128				
Bis(2-chloroethyl)ether	1800	250	2000	0	91.2	20	139				
Bis(2-chloroisopropyl)ether	1700	250	2000	0	86.5	11	134				
Bis(2-ethylhexyl)phthalate	ND	250		0	0	18	143				U
Butyl benzyl phthalate	ND	250		0	0	20	148				U
Carbazole	ND	250		0	0	21	135				U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

Original

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4941**

Sample ID **LCS-4941** SampType: **LCS** TestCode: **8270_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8491**
Client ID: **LCSS** Batch ID: **4941** TestNo: **SW8270D** **SW3546** Analysis Date: **5/20/2015** SeqNo: **157856**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	1800	250	2000	0	89.6	20	136				
Di-n-butyl phthalate	ND	250		0	0	20	141				U
Di-n-octyl phthalate	ND	500		0	0	16	142				U
Dibenzo(a,h)anthracene	1800	150	2000	0	92.4	11	140				
Dibenzofuran	ND	250		0	0	21	131				U
Diethyl phthalate	ND	250		0	0	20	138				U
Dimethyl phthalate	ND	250		0	0	20	130				U
Fluoranthene	1800	250	2000	0	88.8	16	130				
Fluorene	1800	250	2000	0	88.0	20	131				
Hexachlorobenzene	1800	250	2000	0	89.7	20	132				
Hexachlorobutadiene	1700	250	2000	0	87.3	20	126				
Hexachlorocyclopentadiene	1700	250	2000	0	85.9	14	128				
Hexachloroethane	1600	250	2000	0	81.7	20	132				
Indeno(1,2,3-c,d)pyrene	1800	250	2000	0	88.6	20	137				m
Isophorone	ND	250		0	0	20	134				U
N-Nitrosodi-n-propylamine	1600	150	2000	0	82.2	20	142				
N-Nitrosodimethylamine	1600	250	2000	0	79.5	15	138				
N-Nitrosodiphenylamine	1800	250	2000	0	90.3	5	100				
Naphthalene	1700	250	2000	0	86.1	20	131				
Nitrobenzene	ND	250		0	0	21	131				U
Parathion	ND	500		0	0	21	130				U
Pentachlorophenol	1500	500	2000	0	75.5	10	128				
Phenanthrene	1800	250	2000	0	91.5	11	133				
Phenol	1700	250	2000	0	83.7	22	132				
Pyrene	1800	250	2000	0	90.0	11	137				
Pyridine	1300	250	2000	0	66.2	1	101				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

Original

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4941**

Sample ID **LCS-4941** SampType: **LCS** TestCode: **8270_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8491**
Client ID: **LCSS** Batch ID: **4941** TestNo: **SW8270D** **SW3546** Analysis Date: **5/20/2015** SeqNo: **157856**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	1700		2000		86.8	14	144				
Surr: 2-Fluorobiphenyl	880		1000		88.0	17	129				
Surr: 2-Fluorophenol	1700		2000		87.2	21	149				
Surr: 4-Terphenyl-d14	950		1000		95.4	18	134				
Surr: Nitrobenzene-d5	860		1000		86.4	18	125				
Surr: Phenol-d6	1700		2000		84.6	20	147				

Sample ID **1505122-001BMS** SampType: **MS** TestCode: **8270_S** Units: **µg/Kg-dry** Prep Date: **5/19/2015** RunNo: **8491**
Client ID: **BatchQC** Batch ID: **4941** TestNo: **SW8270D** **SW3546** Analysis Date: **5/21/2015** SeqNo: **157941**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl	28	270		0	0	20	147				J
1,2,4-Trichlorobenzene	1500	270	2185	0	68.7	23	136				
1,2-Dichlorobenzene	1500	270	2185	0	68.9	17	137				
1,3-Dichlorobenzene	1500	270	2185	0	66.6	19	137				
1,4-Dichlorobenzene	1500	270	2185	0	67.8	17	139				
2,4,5-Trichlorophenol	1600	270	2185	0	71.5	26	138				
2,4,6-Trichlorophenol	1500	270	2185	0	68.0	21	143				
2,4-Dichlorophenol	1600	270	2185	0	74.5	20	144				
2,4-Dimethylphenol	1600	270	2185	0	74.3	24	139				
2,4-Dinitrophenol	870	550	2185	0	40.0	5	129				
2,4-Dinitrotoluene	ND	270		0	0	10	144				U
2,6-Dinitrotoluene	ND	270		0	0	12	125				U
2-Chloronaphthalene	1600	270	2185	0	72.2	25	143				
2-Chlorophenol	1600	270	2185	0	72.0	19	144				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

Original

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4941**

Sample ID **1505122-001BMS** SampType: **MS** TestCode: **8270_S** Units: **µg/Kg-dry** Prep Date: **5/19/2015** RunNo: **8491**
Client ID: **BatchQC** Batch ID: **4941** TestNo: **SW8270D** **SW3546** Analysis Date: **5/21/2015** SeqNo: **157941**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	2500	270	2185	29.11	114	20	130				
2-Methylphenol	1600	270	2185	0	74.4	29	136				
2-Nitroaniline	1700	270	2185	0	75.7	25	137				
2-Nitrophenol	1500	270	2185	0	66.4	13	139				
3+4-Methylphenol	3200	270	4370	0	72.2	10	137				
3-Nitroaniline	1600	270	2185	0	74.9	20	120				
4,6-Dinitro-2-methylphenol	800	550	2185	0	36.6	10	125				
4-Bromophenyl phenyl ether	1600	270	2185	0	74.6	29	139				
4-Chloro-3-methylphenol	1700	270	2185	0	76.8	25	139				
4-Chloroaniline	1100	270	2185	0	51.2	18	120				
4-Chlorophenyl phenyl ether	1600	270	2185	0	70.9	27	136				
4-Nitroaniline	1600	270	2185	0	73.7	23	130				
4-Nitrophenol	1400	550	2185	0	62.9	22	147				
Acenaphthene	1600	270	2185	30.15	72.6	28	133				
Acenaphthylene	1600	270	2185	0	73.6	22	147				
Acetophenone	ND	270		0	0	20	135				U
Aniline	730	270	2185	0	33.2	10	110				
Anthracene	1700	270	2185	67.37	75.3	24	140				
Azobenzene	ND	270		0	0	20	151				U
Benzo(a)anthracene	1900	270	2185	238.1	73.9	20	144				
Benzo(a)pyrene	1700	160	2185	209.9	68.0	21	143				
Benzo(b)fluoranthene	1600	270	2185	202.2	65.6	20	145				
Benzo(g,h,i)perylene	1600	270	2185	140.6	65.7	20	143				
Benzo(k)fluoranthene	1500	270	2185	197.4	61.2	20	143				
Benzoic acid	89	550	2185	0	4.09	10	120				JS*
Benzyl alcohol	ND	270		0	0	25	125				U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

Original

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4941**

Sample ID **1505122-001BMS** SampType: **MS** TestCode: **8270_S** Units: **µg/Kg-dry** Prep Date: **5/19/2015** RunNo: **8491**
Client ID: **BatchQC** Batch ID: **4941** TestNo: **SW8270D** **SW3546** Analysis Date: **5/21/2015** SeqNo: **157941**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	1500	270	2185	0	68.5	22	137				
Bis(2-chloroethyl)ether	1700	270	2185	0	78.3	20	143				
Bis(2-chloroisopropyl)ether	1600	270	2185	0	72.9	20	149				
Bis(2-ethylhexyl)phthalate	130	270		69.29	0	27	146				J
Butyl benzyl phthalate	110	270		0	0	20	147				J
Carbazole	40	270		0	0	27	120				J
Chrysene	1800	270	2185	237.1	71.0	22	142				
Di-n-butyl phthalate	ND	270		0	0	27	145				U
Di-n-octyl phthalate	ND	550		0	0	28	145				U
Dibenzo(a,h)anthracene	1500	160	2185	40.38	68.0	23	142				
Dibenzofuran	ND	270		0	0	21	133				U
Diethyl phthalate	ND	270		0	0	19	136				U
Dimethyl phthalate	ND	270		0	0	20	137				U
Fluoranthene	2000	270	2185	452.0	69.1	20	147				
Fluorene	1600	270	2185	36.42	73.8	20	138				
Hexachlorobenzene	1600	270	2185	0	72.4	20	140				
Hexachlorobutadiene	1600	270	2185	0	71.1	20	136				
Hexachlorocyclopentadiene	530	270	2185	0	24.3	4	139				
Hexachloroethane	1500	270	2185	0	66.6	13	139				
Indeno(1,2,3-c,d)pyrene	1600	270	2185	146.5	67.9	26	144				m
Isophorone	ND	270		0	0	24	145				U
N-Nitrosodi-n-propylamine	1500	160	2185	0	70.7	22	146				
N-Nitrosodimethylamine	1300	270	2185	0	58.9	17	134				
N-Nitrosodiphenylamine	1700	270	2185	0	76.9	16	143				
Naphthalene	1600	270	2185	47.07	71.5	13	143				
Nitrobenzene	ND	270		0	0	20	138				U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**
22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand
BatchID: **4941**

Sample ID **1505122-001BMS** SampType: **MS** TestCode: **8270_S** Units: **µg/Kg-dry** Prep Date: **5/19/2015** RunNo: **8491**
Client ID: **BatchQC** Batch ID: **4941** TestNo: **SW8270D** **SW3546** Analysis Date: **5/21/2015** SeqNo: **157941**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Parathion	ND	550		0	0	21	142				U
Pentachlorophenol	1400	550	2185	0	63.5	18	144				
Phenanthrene	1800	270	2185	279.1	71.7	21	140				
Phenol	1500	270	2185	0	70.1	13	143				
Pyrene	2000	270	2185	418.3	71.2	19	144				
Pyridine	1100	270	2185	0	51.3	17	120				
Surr: 2,4,6-Tribromophenol	1400		2185		66.4	14	144				
Surr: 2-Fluorobiphenyl	750		1093		68.3	17	129				
Surr: 2-Fluorophenol	1500		2185		68.5	21	149				
Surr: 4-Terphenyl-d14	820		1093		74.9	18	134				
Surr: Nitrobenzene-d5	760		1093		69.4	18	125				
Surr: Phenol-d6	1500		2185		69.9	20	147				

Sample ID **1505122-001BMSD** SampType: **MSD** TestCode: **8270_S** Units: **µg/Kg-dry** Prep Date: **5/19/2015** RunNo: **8491**
Client ID: **BatchQC** Batch ID: **4941** TestNo: **SW8270D** **SW3546** Analysis Date: **5/21/2015** SeqNo: **157942**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl	ND	270		0	0	20	147	27.81	200	20	RU
1,2,4-Trichlorobenzene	1700	270	2189	0	77.1	23	136	1502	11.7	20	
1,2-Dichlorobenzene	1700	270	2189	0	77.1	17	137	1505	11.4	20	
1,3-Dichlorobenzene	1700	270	2189	0	75.6	19	137	1456	12.8	20	
1,4-Dichlorobenzene	1700	270	2189	0	76.1	17	139	1482	11.7	20	
2,4,5-Trichlorophenol	1700	270	2189	0	79.9	26	138	1562	11.3	20	
2,4,6-Trichlorophenol	1700	270	2189	0	79.5	21	143	1485	15.8	20	
2,4-Dichlorophenol	1800	270	2189	0	81.2	20	144	1628	8.78	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4941**

Sample ID **1505122-001BMSD** SampType: **MSD** TestCode: **8270_S** Units: **µg/Kg-dry** Prep Date: **5/19/2015** RunNo: **8491**
Client ID: **BatchQC** Batch ID: **4941** TestNo: **SW8270D** **SW3546** Analysis Date: **5/21/2015** SeqNo: **157942**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dimethylphenol	1800	270	2189	0	80.0	24	139	1624	7.55	20	
2,4-Dinitrophenol	770	550	2189	0	35.3	5	129	874.6	12.3	20	
2,4-Dinitrotoluene	ND	270		0	0	10	144	0	0	20	U
2,6-Dinitrotoluene	ND	270		0	0	12	125	0	0	20	U
2-Chloronaphthalene	1700	270	2189	0	79.1	25	143	1577	9.31	20	
2-Chlorophenol	1700	270	2189	0	77.4	19	144	1572	7.51	20	
2-Methylnaphthalene	1700	270	2189	29.11	77.0	20	130	2517	37.9	20	R
2-Methylphenol	1700	270	2189	0	77.5	29	136	1626	4.29	20	
2-Nitroaniline	1800	270	2189	0	83.3	25	137	1653	9.79	20	
2-Nitrophenol	1600	270	2189	0	74.3	13	139	1452	11.4	20	
3+4-Methylphenol	3300	270	4379	0	76.2	10	137	3156	5.51	20	
3-Nitroaniline	1800	270	2189	0	80.4	20	120	1636	7.39	20	
4,6-Dinitro-2-methylphenol	670	550	2189	0	30.4	10	125	799.0	18.2	20	
4-Bromophenyl phenyl ether	1700	270	2189	0	77.5	29	139	1629	4.07	20	
4-Chloro-3-methylphenol	1800	270	2189	0	80.5	25	139	1677	4.94	20	
4-Chloroaniline	1100	270	2189	0	51.1	18	120	1119	0.0740	20	
4-Chlorophenyl phenyl ether	1700	270	2189	0	76.4	27	136	1550	7.66	20	
4-Nitroaniline	1800	270	2189	0	80.5	23	130	1610	9.02	20	
4-Nitrophenol	1600	550	2189	0	71.3	22	147	1375	12.7	20	
Acenaphthene	1700	270	2189	30.15	77.3	28	133	1616	6.36	20	
Acenaphthylene	1700	270	2189	0	78.2	22	147	1607	6.37	20	
Acetophenone	ND	270		0	0	20	135	0	0	20	U
Aniline	720	270	2189	0	32.7	10	110	726.4	1.47	20	
Anthracene	1700	270	2189	67.37	76.6	24	140	1712	1.87	20	
Azobenzene	ND	270		0	0	20	151	0	0	20	U
Benzo(a)anthracene	2000	270	2189	238.1	78.5	20	144	1853	5.49	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**
22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand
BatchID: **4941**

Sample ID **1505122-001BMSD** SampType: **MSD** TestCode: **8270_S** Units: **µg/Kg-dry** Prep Date: **5/19/2015** RunNo: **8491**
Client ID: **BatchQC** Batch ID: **4941** TestNo: **SW8270D** **SW3546** Analysis Date: **5/21/2015** SeqNo: **157942**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	1800	160	2189	209.9	74.8	21	143	1697	8.54	20	
Benzo(b)fluoranthene	1800	270	2189	202.2	72.5	20	145	1636	9.04	20	
Benzo(g,h,i)perylene	1700	270	2189	140.6	72.8	20	143	1576	9.60	20	
Benzo(k)fluoranthene	1800	270	2189	197.4	72.0	20	143	1535	14.4	20	
Benzoic acid	100	550	2189	0	4.59	10	120	89.35	11.8	20	JS*
Benzyl alcohol	ND	270		0	0	25	125	0	0	20	U
Bis(2-chloroethoxy)methane	1700	270	2189	0	77.5	22	137	1498	12.5	20	
Bis(2-chloroethyl)ether	1900	270	2189	0	85.8	20	143	1711	9.28	20	
Bis(2-chloroisopropyl)ether	1800	270	2189	0	81.3	20	149	1593	11.1	20	
Bis(2-ethylhexyl)phthalate	68	270		69.29	0	27	146	129.2	61.4	20	JR
Butyl benzyl phthalate	ND	270		0	0	20	147	107.2	200	20	RU
Carbazole	31	270		0	0	27	120	40.17	26.7	20	JR
Chrysene	1900	270	2189	237.1	74.7	22	142	1788	4.58	20	
Di-n-butyl phthalate	ND	270		0	0	27	145	0	0	20	U
Di-n-octyl phthalate	ND	550		0	0	28	145	0	0	20	U
Dibenzo(a,h)anthracene	1700	160	2189	40.38	74.4	23	142	1525	9.06	20	
Dibenzofuran	ND	270		0	0	21	133	0	0	20	U
Diethyl phthalate	ND	270		0	0	19	136	0	0	20	U
Dimethyl phthalate	ND	270		0	0	20	137	0	0	20	U
Fluoranthene	2000	270	2189	452.0	71.9	20	147	1962	3.24	20	
Fluorene	1800	270	2189	36.42	78.4	20	138	1648	6.17	20	
Hexachlorobenzene	1700	270	2189	0	77.0	20	140	1581	6.38	20	
Hexachlorobutadiene	1800	270	2189	0	82.4	20	136	1554	14.8	20	
Hexachlorocyclopentadiene	520	270	2189	0	23.7	4	139	531.7	2.40	20	
Hexachloroethane	1700	270	2189	0	75.5	13	139	1456	12.7	20	
Indeno(1,2,3-c,d)pyrene	1900	270	2189	146.5	78.2	26	144	1631	13.1	20	m

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4941**

Sample ID **1505122-001BMSD** SampType: **MSD** TestCode: **8270_S** Units: **µg/Kg-dry** Prep Date: **5/19/2015** RunNo: **8491**
Client ID: **BatchQC** Batch ID: **4941** TestNo: **SW8270D** **SW3546** Analysis Date: **5/21/2015** SeqNo: **157942**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isophorone	ND	270		0	0	24	145	0	0	20	U
N-Nitrosodi-n-propylamine	1700	160	2189	0	77.4	22	146	1545	9.28	20	
N-Nitrosodimethylamine	1400	270	2189	0	66.1	17	134	1287	11.7	20	
N-Nitrosodiphenylamine	1700	270	2189	0	76.7	16	143	1679	0.0653	20	
Naphthalene	1700	270	2189	47.07	77.5	13	143	1610	8.01	20	
Nitrobenzene	ND	270		0	0	20	138	0	0	20	U
Parathion	ND	550		0	0	21	142	0	0	20	U
Pentachlorophenol	1700	550	2189	0	77.8	18	144	1388	20.3	20	R
Phenanthrene	1900	270	2189	279.1	72.6	21	140	1846	1.15	20	
Phenol	1600	270	2189	0	74.6	13	143	1531	6.49	20	
Pyrene	2100	270	2189	418.3	74.6	19	144	1974	3.84	20	
Pyridine	1200	270	2189	0	55.7	17	120	1121	8.49	20	
Surr: 2,4,6-Tribromophenol	1700		2189		77.5	14	144		0	20	
Surr: 2-Fluorobiphenyl	840		1095		76.7	17	129		0	20	
Surr: 2-Fluorophenol	1700		2189		75.7	21	149		0	20	
Surr: 4-Terphenyl-d14	890		1095		80.9	18	134		0	20	
Surr: Nitrobenzene-d5	860		1095		78.5	18	125		0	20	
Surr: Phenol-d6	1700		2189		76.3	20	147		0	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4944**

Sample ID **LCS-4944** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8499**
Client ID: **LCSS** Batch ID: **4944** TestNo: **SW8260C** **SW5035A** Analysis Date: **5/20/2015** SeqNo: **157902**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	47	5.0	50.00	0	94.5	42	139				
1,1,2,2-Tetrachloroethane	39	5.0	50.00	0	77.5	44	138				
1,1,2-Trichloroethane	44	5.0	50.00	0	88.0	43	134				
1,1-Dichloroethane	46	5.0	50.00	0	92.5	41	142				
1,1-Dichloroethene	50	5.0	50.00	0	99.1	33	144				
1,2-Dichlorobenzene	40	5.0	50.00	0	79.9	45	128				
1,2-Dichloroethane	46	5.0	50.00	0	92.7	34	145				
1,2-Dichloropropane	44	5.0	50.00	0	87.7	44	135				
1,3-Dichlorobenzene	39	5.0	50.00	0	78.4	40	135				
1,4-Dichlorobenzene	39	5.0	50.00	0	78.2	42	129				
2-Chloroethyl vinyl ether	42	5.0	50.00	0	84.5	30	146				*
Benzene	46	5.0	50.00	0	92.5	46	137				
Bromodichloromethane	46	5.0	50.00	0	91.6	44	133				
Bromoform	43	5.0	50.00	0	86.4	39	147				
Bromomethane	31	5.0	50.00	0	61.8	22	140				
Carbon tetrachloride	47	5.0	50.00	0	94.6	40	144				
Chlorobenzene	42	5.0	50.00	0	83.2	45	131				
Chloroethane	44	5.0	50.00	0	87.4	43	147				
Chloroform	46	5.0	50.00	0	91.6	40	138				
Chloromethane	43	5.0	50.00	0	85.6	32	151				
cis-1,3-Dichloropropene	43	5.0	50.00	0	85.7	44	137				
Dibromochloromethane	44	5.0	50.00	0	88.4	43	139				
Ethylbenzene	44	5.0	50.00	0	88.5	52	138				
Methylene chloride	23	10	50.00	0	45.0	20	120				B*
Tetrachloroethene	38	5.0	50.00	0	76.9	34	123				
Toluene	46	5.0	50.00	0	91.3	48	135				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4944**

Sample ID **LCS-4944** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8499**
Client ID: **LCSS** Batch ID: **4944** TestNo: **SW8260C** **SW5035A** Analysis Date: **5/20/2015** SeqNo: **157902**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	46	5.0	50.00	0	93.0	43	137				
trans-1,3-Dichloropropene	44	5.0	50.00	0	87.4	48	135				
Trichloroethene	47	5.0	50.00	0	93.2	44	135				
Trichlorofluoromethane	47	5.0	50.00	0	93.1	52	149				
Vinyl chloride	47	5.0	50.00	0	93.8	49	154				
Surr: 4-Bromofluorobenzene	47		50.00		93.4	50	139				
Surr: Dibromofluoromethane	52		50.00		105	50	139				
Surr: Toluene-d8	51		50.00		102	71	120				

Sample ID **MB-4944** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8499**
Client ID: **PBS** Batch ID: **4944** TestNo: **SW8260C** **SW5035A** Analysis Date: **5/20/2015** SeqNo: **157903**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									U
1,1,1-Trichloroethane	ND	5.0									U
1,1,2,2-Tetrachloroethane	ND	5.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0									U
1,1,2-Trichloroethane	ND	5.0									U
1,1-Dichloroethane	ND	5.0									U
1,1-Dichloroethene	ND	5.0									U
1,1-Dichloropropene	ND	5.0									U
1,2,3-Trichlorobenzene	ND	5.0									U
1,2,3-Trichloropropane	ND	5.0									U
1,2,4,5-Tetramethylbenzene	ND	5.0									U
1,2,4-Trichlorobenzene	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4944**

Sample ID **MB-4944** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8499**
Client ID: **PBS** Batch ID: **4944** TestNo: **SW8260C** **SW5035A** Analysis Date: **5/20/2015** SeqNo: **157903**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	5.0									U
1,2-Dibromo-3-chloropropane	ND	5.0									U
1,2-Dibromoethane	ND	5.0									U
1,2-Dichlorobenzene	ND	5.0									U
1,2-Dichloroethane	ND	5.0									U
1,2-Dichloropropane	ND	5.0									U
1,3,5-Trimethylbenzene	ND	5.0									U
1,3-Dichlorobenzene	ND	5.0									U
1,3-dichloropropane	ND	5.0									U
1,4-Dichlorobenzene	ND	5.0									U
1,4-Dioxane	ND	5.0									U
2,2-Dichloropropane	ND	5.0									U
2-Butanone	ND	10									U*
2-Chloroethyl vinyl ether	ND	5.0									U*
2-Chlorotoluene	ND	5.0									U
2-Hexanone	ND	10									U
2-Propanol	ND	5.0									U
4-Chlorotoluene	ND	5.0									U
4-Isopropyltoluene	ND	5.0									U
4-Methyl-2-pentanone	ND	10									U
Acetone	ND	10									U*
Benzene	ND	5.0									U
Bromobenzene	ND	5.0									U
Bromochloromethane	ND	5.0									U
Bromodichloromethane	ND	5.0									U
Bromoform	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

Original

American Analytical Laboratories, LLC.
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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4944**

Sample ID	**MB-4944**	SampType:	**MBLK**	TestCode:	**8260_S**	Units:	**µg/Kg**	Prep Date:	**5/19/2015**	RunNo:	**8499**				
Client ID:	**PBS**	Batch ID:	**4944**	TestNo:	**SW8260C**	**SW5035A**		Analysis Date:	**5/20/2015**	SeqNo:	**157903**				

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	5.0									U
Carbon disulfide	ND	5.0									U
Carbon tetrachloride	ND	5.0									U
Chlorobenzene	ND	5.0									U
Chlorodifluoromethane	ND	5.0									U
Chloroethane	ND	5.0									U
Chloroform	ND	5.0									U
Chloromethane	ND	5.0									U
cis-1,2-Dichloroethene	ND	5.0									U
cis-1,3-Dichloropropene	ND	5.0									U
Cyclohexane	ND	5.0									U
Dibromochloromethane	ND	5.0									U
Dibromomethane	ND	5.0									U
Dichlorodifluoromethane	ND	5.0									U
Diisopropyl ether	ND	5.0									U
Ethanol	ND	20									U
Ethylbenzene	ND	5.0									U
Freon-114	ND	5.0									U
Hexachlorobutadiene	ND	5.0									U
Isopropylbenzene	ND	5.0									U
m,p-Xylene	ND	10									U
Methyl Acetate	ND	5.0									U
Methyl tert-butyl ether	ND	5.0									U
Methylene chloride	6.1	10									J*
n-Butylbenzene	ND	5.0									U
n-Propylbenzene	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4944**

Sample ID	**MB-4944**	SampType:	**MBLK**	TestCode:	**8260_S**	Units:	**µg/Kg**	Prep Date:	**5/19/2015**	RunNo:	**8499**
Client ID:	**PBS**	Batch ID:	**4944**	TestNo:	**SW8260C**	**SW5035A**		Analysis Date:	**5/20/2015**	SeqNo:	**157903**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	5.0									U
o-Xylene	ND	5.0									U
p-Diethylbenzene	ND	5.0									U
p-Ethyltoluene	ND	5.0									U
sec-Butylbenzene	ND	5.0									U
Styrene	ND	5.0									U
t-Butyl alcohol	ND	5.0									U
tert-Butylbenzene	ND	5.0									U
Tetrachloroethene	ND	5.0									U
Toluene	ND	5.0									U
trans-1,2-Dichloroethene	ND	5.0									U
trans-1,3-Dichloropropene	ND	5.0									U
Trichloroethene	ND	5.0									U
Trichlorofluoromethane	ND	5.0									U
Vinyl acetate	ND	5.0									U
Vinyl chloride	ND	5.0									U
Acrolein	ND	25									U
Acrylonitrile	ND	5.0									U
Surr: 4-Bromofluorobenzene	47		50.00		93.6	50	139				
Surr: Dibromofluoromethane	55		50.00		111	50	138				
Surr: Toluene-d8	51		50.00		102	71	120				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4944**

Sample ID **LCS-4944** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8498**
Client ID: **LCSS** Batch ID: **4944** TestNo: **SW8260C** **SW5035A** Analysis Date: **5/20/2015** SeqNo: **157893**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	47	5.0	50.00	0	94.5	42	139				
1,1,2,2-Tetrachloroethane	39	5.0	50.00	0	77.5	44	138				
1,1,2-Trichloroethane	44	5.0	50.00	0	88.0	43	134				
1,1-Dichloroethane	46	5.0	50.00	0	92.5	41	142				
1,1-Dichloroethene	50	5.0	50.00	0	99.1	33	144				
1,2-Dichlorobenzene	40	5.0	50.00	0	79.9	45	128				
1,2-Dichloroethane	46	5.0	50.00	0	92.7	34	145				
1,2-Dichloropropane	44	5.0	50.00	0	87.7	44	135				
1,3-Dichlorobenzene	39	5.0	50.00	0	78.4	40	135				
1,4-Dichlorobenzene	39	5.0	50.00	0	78.2	42	129				
2-Chloroethyl vinyl ether	42	5.0	50.00	0	84.5	30	146				*
Benzene	46	5.0	50.00	0	92.5	46	137				
Bromodichloromethane	46	5.0	50.00	0	91.6	44	133				
Bromoform	43	5.0	50.00	0	86.4	39	147				
Bromomethane	31	5.0	50.00	0	61.8	22	140				
Carbon tetrachloride	47	5.0	50.00	0	94.6	40	144				
Chlorobenzene	42	5.0	50.00	0	83.2	45	131				
Chloroethane	44	5.0	50.00	0	87.4	43	147				
Chloroform	46	5.0	50.00	0	91.6	40	138				
Chloromethane	43	5.0	50.00	0	85.6	32	151				
cis-1,3-Dichloropropene	43	5.0	50.00	0	85.7	44	137				
Dibromochloromethane	44	5.0	50.00	0	88.4	43	139				
Ethylbenzene	44	5.0	50.00	0	88.5	52	138				
Methylene chloride	23	10	50.00	0	45.0	20	120				B*
Tetrachloroethene	38	5.0	50.00	0	76.9	34	123				
Toluene	46	5.0	50.00	0	91.3	48	135				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4944**

Sample ID **LCS-4944** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8498**
Client ID: **LCSS** Batch ID: **4944** TestNo: **SW8260C** **SW5035A** Analysis Date: **5/20/2015** SeqNo: **157893**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	46	5.0	50.00	0	93.0	43	137				
trans-1,3-Dichloropropene	44	5.0	50.00	0	87.4	48	135				
Trichloroethene	47	5.0	50.00	0	93.2	44	135				
Trichlorofluoromethane	47	5.0	50.00	0	93.1	52	149				
Vinyl chloride	47	5.0	50.00	0	93.8	49	154				
Surr: 4-Bromofluorobenzene	47		50.00		93.4	50	139				
Surr: Dibromofluoromethane	52		50.00		105	50	139				
Surr: Toluene-d8	51		50.00		102	71	120				

Sample ID **MB-4944** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8498**
Client ID: **PBS** Batch ID: **4944** TestNo: **SW8260C** **SW5035A** Analysis Date: **5/20/2015** SeqNo: **157894**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									U
1,1,1-Trichloroethane	ND	5.0									U
1,1,2,2-Tetrachloroethane	ND	5.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0									U
1,1,2-Trichloroethane	ND	5.0									U
1,1-Dichloroethane	ND	5.0									U
1,1-Dichloroethene	ND	5.0									U
1,1-Dichloropropene	ND	5.0									U
1,2,3-Trichlorobenzene	ND	5.0									U
1,2,3-Trichloropropane	ND	5.0									U
1,2,4,5-Tetramethylbenzene	ND	5.0									U
1,2,4-Trichlorobenzene	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4944**

Sample ID **MB-4944** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8498**
Client ID: **PBS** Batch ID: **4944** TestNo: **SW8260C** **SW5035A** Analysis Date: **5/20/2015** SeqNo: **157894**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	5.0									U
1,2-Dibromo-3-chloropropane	ND	5.0									U
1,2-Dibromoethane	ND	5.0									U
1,2-Dichlorobenzene	ND	5.0									U
1,2-Dichloroethane	ND	5.0									U
1,2-Dichloropropane	ND	5.0									U
1,3,5-Trimethylbenzene	ND	5.0									U
1,3-Dichlorobenzene	ND	5.0									U
1,3-dichloropropane	ND	5.0									U
1,4-Dichlorobenzene	ND	5.0									U
1,4-Dioxane	ND	5.0									U
2,2-Dichloropropane	ND	5.0									U
2-Butanone	ND	10									U*
2-Chloroethyl vinyl ether	ND	5.0									U*
2-Chlorotoluene	ND	5.0									U
2-Hexanone	ND	10									U
2-Propanol	ND	5.0									U
4-Chlorotoluene	ND	5.0									U
4-Isopropyltoluene	ND	5.0									U
4-Methyl-2-pentanone	ND	10									U
Acetone	ND	10									U*
Benzene	ND	5.0									U
Bromobenzene	ND	5.0									U
Bromochloromethane	ND	5.0									U
Bromodichloromethane	ND	5.0									U
Bromoform	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4944**

Sample ID	**MB-4944**	SampType:	**MBLK**	TestCode:	**8260_S**	Units:	**µg/Kg**	Prep Date:	**5/19/2015**	RunNo:	**8498**	
Client ID:	**PBS**	Batch ID:	**4944**	TestNo:	**SW8260C**	**SW5035A**		Analysis Date:	**5/20/2015**	SeqNo:	**157894**	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	5.0									U
Carbon disulfide	ND	5.0									U
Carbon tetrachloride	ND	5.0									U
Chlorobenzene	ND	5.0									U
Chlorodifluoromethane	ND	5.0									U
Chloroethane	ND	5.0									U
Chloroform	ND	5.0									U
Chloromethane	ND	5.0									U
cis-1,2-Dichloroethene	ND	5.0									U
cis-1,3-Dichloropropene	ND	5.0									U
Cyclohexane	ND	5.0									U
Dibromochloromethane	ND	5.0									U
Dibromomethane	ND	5.0									U
Dichlorodifluoromethane	ND	5.0									U
Diisopropyl ether	ND	5.0									U
Ethanol	ND	20									U
Ethylbenzene	ND	5.0									U
Freon-114	ND	5.0									U
Hexachlorobutadiene	ND	5.0									U
Isopropylbenzene	ND	5.0									U
m,p-Xylene	ND	10									U
Methyl Acetate	ND	5.0									U
Methyl tert-butyl ether	ND	5.0									U
Methylene chloride	6.1	10									J*
n-Butylbenzene	ND	5.0									U
n-Propylbenzene	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4944**

Sample ID	**MB-4944**	SampType:	**MBLK**	TestCode:	**8260_S**	Units:	**µg/Kg**	Prep Date:	**5/19/2015**	RunNo:	**8498**
Client ID:	**PBS**	Batch ID:	**4944**	TestNo:	**SW8260C**	**SW5035A**		Analysis Date:	**5/20/2015**	SeqNo:	**157894**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	5.0									U
o-Xylene	ND	5.0									U
p-Diethylbenzene	ND	5.0									U
p-Ethyltoluene	ND	5.0									U
sec-Butylbenzene	ND	5.0									U
Styrene	ND	5.0									U
t-Butyl alcohol	ND	5.0									U
tert-Butylbenzene	ND	5.0									U
Tetrachloroethene	ND	5.0									U
Toluene	ND	5.0									U
trans-1,2-Dichloroethene	ND	5.0									U
trans-1,3-Dichloropropene	ND	5.0									U
Trichloroethene	ND	5.0									U
Trichlorofluoromethane	ND	5.0									U
Vinyl acetate	ND	5.0									U
Vinyl chloride	ND	5.0									U
Acrolein	ND	25									U
Acrylonitrile	ND	5.0									U
Surr: 4-Bromofluorobenzene	47		50.00		93.6	50	139				
Surr: Dibromofluoromethane	55		50.00		111	50	138				
Surr: Toluene-d8	51		50.00		102	71	120				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

Original

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4944**

Sample ID **1505123-001AMS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg-dry** Prep Date: **5/19/2015** RunNo: **8498**
Client ID: **BatchQC** Batch ID: **4944** TestNo: **SW8260C** **SW5035A** Analysis Date: **5/20/2015** SeqNo: **157898**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	45	5.5	54.68	0	82.6	22	144				
1,1,2,2-Tetrachloroethane	26	5.5	54.68	0	46.7	21	133				
1,1,2-Trichloroethane	37	5.5	54.68	0	67.3	24	130				
1,1-Dichloroethane	44	5.5	54.68	0	81.0	29	138				
1,1-Dichloroethene	49	5.5	54.68	0	90.0	25	143				
1,2-Dichlorobenzene	16	5.5	54.68	0	28.4	14	130				
1,2-Dichloroethane	41	5.5	54.68	0	75.3	24	137				
1,2-Dichloropropane	40	5.5	54.68	0	72.9	30	132				
1,3-Dichlorobenzene	20	5.5	54.68	0	36.7	14	131				
1,4-Dichlorobenzene	19	5.5	54.68	0	34.7	19	128				
2-Chloroethyl vinyl ether	25	5.5	54.68	0	46.6	13	123				*
Benzene	40	5.5	54.68	0	73.1	20	142				
Bromodichloromethane	39	5.5	54.68	0	70.9	24	126				
Bromoform	32	5.5	54.68	0	58.5	20	135				
Bromomethane	27	5.5	54.68	0	49.7	21	137				
Carbon tetrachloride	45	5.5	54.68	0	82.8	20	143				
Chlorobenzene	28	5.5	54.68	0	50.8	21	129				
Chloroethane	43	5.5	54.68	0	79.3	25	147				
Chloroform	42	5.5	54.68	0	76.2	34	133				
Chloromethane	41	5.5	54.68	0	75.6	30	148				
cis-1,3-Dichloropropene	29	5.5	54.68	0	52.8	20	130				
Dibromochloromethane	34	5.5	54.68	0	61.4	20	130				
Ethylbenzene	28	5.5	54.68	0	50.5	20	130				
Methylene chloride	22	11	54.68	7.238	27.2	20	130				B*
Tetrachloroethene	31	5.5	54.68	0	57.0	20	120				
Toluene	33	5.5	54.68	0	60.2	21	142				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

Original

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QC SUMMARY REPORT

WO#: **1505121**
22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand
BatchID: **4944**

Sample ID **1505123-001AMS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg-dry** Prep Date: **5/19/2015** RunNo: **8498**
Client ID: **BatchQC** Batch ID: **4944** TestNo: **SW8260C** **SW5035A** Analysis Date: **5/20/2015** SeqNo: **157898**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	42	5.5	54.68	0	76.8	28	132				
trans-1,3-Dichloropropene	28	5.5	54.68	0	51.3	20	130				
Trichloroethene	42	5.5	54.68	0	76.8	22	147				
Trichlorofluoromethane	48	5.5	54.68	0	87.7	42	149				
Vinyl chloride	46	5.5	54.68	0	83.8	35	152				
Surr: 4-Bromofluorobenzene	49		54.68		89.7	50	139				
Surr: Dibromofluoromethane	57		54.68		105	50	138				
Surr: Toluene-d8	56		54.68		102	71	120				

Sample ID **1505123-001AMSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg-dry** Prep Date: **5/19/2015** RunNo: **8498**
Client ID: **BatchQC** Batch ID: **4944** TestNo: **SW8260C** **SW5035A** Analysis Date: **5/20/2015** SeqNo: **157899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	46	5.4	53.73	0	86.3	22	144	45.16	2.67	20	
1,1,2,2-Tetrachloroethane	26	5.4	53.73	0	48.2	21	133	25.55	1.36	20	
1,1,2-Trichloroethane	38	5.4	53.73	0	70.3	24	130	36.79	2.69	20	
1,1-Dichloroethane	46	5.4	53.73	0	85.2	29	138	44.28	3.30	20	
1,1-Dichloroethene	50	5.4	53.73	0	93.1	25	143	49.21	1.59	20	
1,2-Dichlorobenzene	15	5.4	53.73	0	28.4	14	130	15.53	1.83	20	
1,2-Dichloroethane	42	5.4	53.73	0	77.8	24	137	41.16	1.51	20	
1,2-Dichloropropane	41	5.4	53.73	0	75.4	30	132	39.87	1.64	20	
1,3-Dichlorobenzene	20	5.4	53.73	0	38.1	14	131	20.05	2.20	20	
1,4-Dichlorobenzene	20	5.4	53.73	0	37.7	19	128	18.99	6.37	20	
2-Chloroethyl vinyl ether	28	5.4	53.73	0	51.3	13	123	25.49	7.77	20	*
Benzene	42	5.4	53.73	0	77.3	20	142	39.97	3.86	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

Original

American Analytical Laboratories, LLC.
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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4944**

Sample ID **1505123-001AMSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg-dry** Prep Date: **5/19/2015** RunNo: **8498**
Client ID: **BatchQC** Batch ID: **4944** TestNo: **SW8260C** **SW5035A** Analysis Date: **5/20/2015** SeqNo: **157899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromodichloromethane	41	5.4	53.73	0	75.5	24	126	38.77	4.48	20	
Bromoform	33	5.4	53.73	0	62.1	20	135	31.98	4.22	20	
Bromomethane	28	5.4	53.73	0	52.8	21	137	27.17	4.37	20	
Carbon tetrachloride	47	5.4	53.73	0	86.6	20	143	45.29	2.73	20	
Chlorobenzene	28	5.4	53.73	0	52.6	21	129	27.76	1.84	20	
Chloroethane	43	5.4	53.73	0	80.6	25	147	43.36	0.130	20	
Chloroform	43	5.4	53.73	0	80.0	34	133	41.69	3.08	20	
Chloromethane	42	5.4	53.73	0	77.8	30	148	41.35	1.03	20	
cis-1,3-Dichloropropene	29	5.4	53.73	0	54.3	20	130	28.89	0.896	20	
Dibromochloromethane	35	5.4	53.73	0	65.3	20	130	33.58	4.37	20	
Ethylbenzene	27	5.4	53.73	0	50.3	20	130	27.59	2.15	20	
Methylene chloride	23	11	53.73	7.238	28.8	20	130	22.12	2.74	20	B*
Tetrachloroethene	32	5.4	53.73	0	59.2	20	120	31.15	2.10	20	
Toluene	33	5.4	53.73	0	61.4	21	142	32.94	0.216	20	
trans-1,2-Dichloroethene	43	5.4	53.73	0	79.4	28	132	41.98	1.57	20	
trans-1,3-Dichloropropene	29	5.4	53.73	0	53.3	20	130	28.03	2.11	20	
Trichloroethene	44	5.4	53.73	0	81.6	22	147	42.01	4.28	20	
Trichlorofluoromethane	49	5.4	53.73	0	90.9	42	149	47.93	1.87	20	
Vinyl chloride	46	5.4	53.73	0	86.5	35	152	45.84	1.32	20	
Surr: 4-Bromofluorobenzene	49		53.73		90.7	50	139		0	20	
Surr: Dibromofluoromethane	57		53.73		106	50	138		0	20	
Surr: Toluene-d8	55		53.73		103	71	120		0	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4944**

Sample ID **LCS-4944** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8490**
Client ID: **LCSS** Batch ID: **4944** TestNo: **SW8260C** **SW5035A** Analysis Date: **5/20/2015** SeqNo: **157829**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	47	5.0	50.00	0	94.5	42	139				
1,1,2,2-Tetrachloroethane	39	5.0	50.00	0	77.5	44	138				
1,1,2-Trichloroethane	44	5.0	50.00	0	88.0	43	134				
1,1-Dichloroethane	46	5.0	50.00	0	92.5	41	142				
1,1-Dichloroethene	50	5.0	50.00	0	99.1	33	144				
1,2-Dichlorobenzene	40	5.0	50.00	0	79.9	45	128				
1,2-Dichloroethane	46	5.0	50.00	0	92.7	34	145				
1,2-Dichloropropane	44	5.0	50.00	0	87.7	44	135				
1,3-Dichlorobenzene	39	5.0	50.00	0	78.4	40	135				
1,4-Dichlorobenzene	39	5.0	50.00	0	78.2	42	129				
2-Chloroethyl vinyl ether	42	5.0	50.00	0	84.5	30	146				*
Benzene	46	5.0	50.00	0	92.5	46	137				
Bromodichloromethane	46	5.0	50.00	0	91.6	44	133				
Bromoform	43	5.0	50.00	0	86.4	39	147				
Bromomethane	31	5.0	50.00	0	61.8	22	140				
Carbon tetrachloride	47	5.0	50.00	0	94.6	40	144				
Chlorobenzene	42	5.0	50.00	0	83.2	45	131				
Chloroethane	44	5.0	50.00	0	87.4	43	147				
Chloroform	46	5.0	50.00	0	91.6	40	138				
Chloromethane	43	5.0	50.00	0	85.6	32	151				
cis-1,3-Dichloropropene	43	5.0	50.00	0	85.7	44	137				
Dibromochloromethane	44	5.0	50.00	0	88.4	43	139				
Ethylbenzene	44	5.0	50.00	0	88.5	52	138				
Methylene chloride	23	10	50.00	0	45.0	20	120				B*
Tetrachloroethene	38	5.0	50.00	0	76.9	34	123				
Toluene	46	5.0	50.00	0	91.3	48	135				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4944**

Sample ID **LCS-4944** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8490**
Client ID: **LCSS** Batch ID: **4944** TestNo: **SW8260C** **SW5035A** Analysis Date: **5/20/2015** SeqNo: **157829**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	46	5.0	50.00	0	93.0	43	137				
trans-1,3-Dichloropropene	44	5.0	50.00	0	87.4	48	135				
Trichloroethene	47	5.0	50.00	0	93.2	44	135				
Trichlorofluoromethane	47	5.0	50.00	0	93.1	52	149				
Vinyl chloride	47	5.0	50.00	0	93.8	49	154				
Surr: 4-Bromofluorobenzene	47		50.00		93.4	50	139				
Surr: Dibromofluoromethane	52		50.00		105	50	139				
Surr: Toluene-d8	51		50.00		102	71	120				

Sample ID **MB-4944** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8490**
Client ID: **PBS** Batch ID: **4944** TestNo: **SW8260C** **SW5035A** Analysis Date: **5/20/2015** SeqNo: **157830**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									U
1,1,1-Trichloroethane	ND	5.0									U
1,1,2,2-Tetrachloroethane	ND	5.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0									U
1,1,2-Trichloroethane	ND	5.0									U
1,1-Dichloroethane	ND	5.0									U
1,1-Dichloroethene	ND	5.0									U
1,1-Dichloropropene	ND	5.0									U
1,2,3-Trichlorobenzene	ND	5.0									U
1,2,3-Trichloropropane	ND	5.0									U
1,2,4,5-Tetramethylbenzene	ND	5.0									U
1,2,4-Trichlorobenzene	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4944**

Sample ID **MB-4944** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **5/19/2015** RunNo: **8490**
Client ID: **PBS** Batch ID: **4944** TestNo: **SW8260C** **SW5035A** Analysis Date: **5/20/2015** SeqNo: **157830**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	5.0									U
1,2-Dibromo-3-chloropropane	ND	5.0									U
1,2-Dibromoethane	ND	5.0									U
1,2-Dichlorobenzene	ND	5.0									U
1,2-Dichloroethane	ND	5.0									U
1,2-Dichloropropane	ND	5.0									U
1,3,5-Trimethylbenzene	ND	5.0									U
1,3-Dichlorobenzene	ND	5.0									U
1,3-dichloropropane	ND	5.0									U
1,4-Dichlorobenzene	ND	5.0									U
1,4-Dioxane	ND	5.0									U
2,2-Dichloropropane	ND	5.0									U
2-Butanone	ND	10									U*
2-Chloroethyl vinyl ether	ND	5.0									U*
2-Chlorotoluene	ND	5.0									U
2-Hexanone	ND	10									U
2-Propanol	ND	5.0									U
4-Chlorotoluene	ND	5.0									U
4-Isopropyltoluene	ND	5.0									U
4-Methyl-2-pentanone	ND	10									U
Acetone	ND	10									U*
Benzene	ND	5.0									U
Bromobenzene	ND	5.0									U
Bromochloromethane	ND	5.0									U
Bromodichloromethane	ND	5.0									U
Bromoform	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4944**

Sample ID	**MB-4944**	SampType:	**MBLK**	TestCode:	**8260_S**	Units:	**µg/Kg**	Prep Date:	**5/19/2015**	RunNo:	**8490**				
Client ID:	**PBS**	Batch ID:	**4944**	TestNo:	**SW8260C**	**SW5035A**		Analysis Date:	**5/20/2015**	SeqNo:	**157830**				

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	5.0									U
Carbon disulfide	ND	5.0									U
Carbon tetrachloride	ND	5.0									U
Chlorobenzene	ND	5.0									U
Chlorodifluoromethane	ND	5.0									U
Chloroethane	ND	5.0									U
Chloroform	ND	5.0									U
Chloromethane	ND	5.0									U
cis-1,2-Dichloroethene	ND	5.0									U
cis-1,3-Dichloropropene	ND	5.0									U
Cyclohexane	ND	5.0									U
Dibromochloromethane	ND	5.0									U
Dibromomethane	ND	5.0									U
Dichlorodifluoromethane	ND	5.0									U
Diisopropyl ether	ND	5.0									U
Ethanol	ND	20									U
Ethylbenzene	ND	5.0									U
Freon-114	ND	5.0									U
Hexachlorobutadiene	ND	5.0									U
Isopropylbenzene	ND	5.0									U
m,p-Xylene	ND	10									U
Methyl Acetate	ND	5.0									U
Methyl tert-butyl ether	ND	5.0									U
Methylene chloride	6.1	10									J*
n-Butylbenzene	ND	5.0									U
n-Propylbenzene	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4944**

Sample ID	**MB-4944**	SampType:	**MBLK**	TestCode:	**8260_S**	Units:	**µg/Kg**	Prep Date:	**5/19/2015**	RunNo:	**8490**
Client ID:	**PBS**	Batch ID:	**4944**	TestNo:	**SW8260C**	**SW5035A**		Analysis Date:	**5/20/2015**	SeqNo:	**157830**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	5.0									U
o-Xylene	ND	5.0									U
p-Diethylbenzene	ND	5.0									U
p-Ethyltoluene	ND	5.0									U
sec-Butylbenzene	ND	5.0									U
Styrene	ND	5.0									U
t-Butyl alcohol	ND	5.0									U
tert-Butylbenzene	ND	5.0									U
Tetrachloroethene	ND	5.0									U
Toluene	ND	5.0									U
trans-1,2-Dichloroethene	ND	5.0									U
trans-1,3-Dichloropropene	ND	5.0									U
Trichloroethene	ND	5.0									U
Trichlorofluoromethane	ND	5.0									U
Vinyl acetate	ND	5.0									U
Vinyl chloride	ND	5.0									U
Acrolein	ND	25									U
Acrylonitrile	ND	5.0									U
Surr: 4-Bromofluorobenzene	47		50.00		93.6	50	139				
Surr: Dibromofluoromethane	55		50.00		111	50	138				
Surr: Toluene-d8	51		50.00		102	71	120				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4949**

Sample ID **MBS052015A** SampType: **MBLK** TestCode: **Cr6_S** Units: **mg/Kg** Prep Date: **5/20/2015** RunNo: **8473**
Client ID: **PBS** Batch ID: **4949** TestNo: **SW7196A** **SW3060A** Analysis Date: **5/20/2015** SeqNo: **157564**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.500									U

Sample ID **LCSS052015A** SampType: **LCS** TestCode: **Cr6_S** Units: **mg/Kg** Prep Date: **5/20/2015** RunNo: **8473**
Client ID: **LCSS** Batch ID: **4949** TestNo: **SW7196A** **SW3060A** Analysis Date: **5/20/2015** SeqNo: **157565**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	9.60	0.500	10.00	0	96.0	80	120				

Sample ID **1505124-002BMS** SampType: **MS** TestCode: **Cr6_S** Units: **mg/Kg** Prep Date: **5/20/2015** RunNo: **8473**
Client ID: **BatchQC** Batch ID: **4949** TestNo: **SW7196A** **SW3060A** Analysis Date: **5/20/2015** SeqNo: **157573**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	9.73	0.488	9.766	0	99.6	75	125				

Sample ID **1505124-002BMSD** SampType: **MSD** TestCode: **Cr6_S** Units: **mg/Kg** Prep Date: **5/20/2015** RunNo: **8473**
Client ID: **BatchQC** Batch ID: **4949** TestNo: **SW7196A** **SW3060A** Analysis Date: **5/20/2015** SeqNo: **157574**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	9.84	0.498	9.960	0	98.8	75	125	9.727	1.17	0	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

Original

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4968**

Sample ID **PBS150520A** SampType: **MBLK** TestCode: **CN_S** Units: **mg/Kg** Prep Date: **5/20/2015** RunNo: **8481**
Client ID: **PBS** Batch ID: **4968** TestNo: **SW9012B** **SW9012B** Analysis Date: **5/20/2015** SeqNo: **157708**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total & Amenable: Auto Colorimetric	ND	0.100									U

Sample ID **LCSS150520A** SampType: **LCS** TestCode: **CN_S** Units: **mg/Kg** Prep Date: **5/20/2015** RunNo: **8481**
Client ID: **LCSS** Batch ID: **4968** TestNo: **SW9012B** **SW9012B** Analysis Date: **5/20/2015** SeqNo: **157709**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total & Amenable: Auto Colorimetric	2.03	0.100	2.000	0	102	80	120				

Sample ID **1505101-001BMS** SampType: **MS** TestCode: **CN_S** Units: **mg/Kg-dry** Prep Date: **5/20/2015** RunNo: **8481**
Client ID: **BatchQC** Batch ID: **4968** TestNo: **SW9012B** **SW9012B** Analysis Date: **5/20/2015** SeqNo: **157720**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total & Amenable: Auto Colorimetric	2.10	0.105	2.091	0.05455	97.9	63	123				

Sample ID **1505101-001BMSD** SampType: **MSD** TestCode: **CN_S** Units: **mg/Kg-dry** Prep Date: **5/20/2015** RunNo: **8481**
Client ID: **BatchQC** Batch ID: **4968** TestNo: **SW9012B** **SW9012B** Analysis Date: **5/20/2015** SeqNo: **157721**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total & Amenable: Auto Colorimetric	2.09	0.105	2.091	0.05455	97.4	63	123	2.101	0.499	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4968**

Sample ID	**1505101-001BMSD**	SampType:	**MSD**	TestCode:	**CN_S**	Units:	**mg/Kg-dry**	Prep Date:	**5/20/2015**	RunNo:	**8481**		
Client ID:	**BatchQC**	Batch ID:	**4968**	TestNo:	**SW9012B**	**SW9012B**		Analysis Date:	**5/20/2015**	SeqNo:	**157721**		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4969**

Sample ID **MB-4969** SampType: **MBLK** TestCode: **8151_S** Units: **µg/Kg** Prep Date: **5/21/2015** RunNo: **8554**
Client ID: **PBS** Batch ID: **4969** TestNo: **SW8151A** **SW8151A** Analysis Date: **5/22/2015** SeqNo: **159579**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	ND	3.0									U
2,4,5-TP	ND	3.0									U
2,4-D	ND	3.0									U
Dicamba	ND	3.0									U
Surr: 2,4-DCAA	15		16.66		92.4	16	152				

Sample ID **LCS-4969** SampType: **LCS** TestCode: **8151_S** Units: **µg/Kg** Prep Date: **5/21/2015** RunNo: **8554**
Client ID: **LCSS** Batch ID: **4969** TestNo: **SW8151A** **SW8151A** Analysis Date: **5/22/2015** SeqNo: **159580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	24	3.0	33.33	0	73.2	20	131				
2,4,5-TP	24	3.0	33.33	0	71.9	23	137				
2,4-D	23	3.0	33.33	0	69.9	25	139				
Dicamba	21	3.0	33.33	0	61.9	20	138				
Surr: 2,4-DCAA	13		16.66		75.6	16	152				P

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**
22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand
BatchID: **4975**

Sample ID **1505117-001BMS** SampType: **MS** TestCode: **ICPSCAN_S** Units: **mg/Kg-dry** Prep Date: **5/20/2015** RunNo: **8548**
Client ID: **BatchQC** Batch ID: **4975** TestNo: **SW6010C** **SW3050B** Analysis Date: **5/22/2015** SeqNo: **159169**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	24.9	0.532	21.28	3.665	99.7	75	125				
Barium	75.1	0.426	21.28	61.19	65.3	75	125				S
Cadmium	19.6	0.426	21.28	0.1174	91.5	75	125				
Chromium	35.7	0.426	21.28	17.42	86.0	75	125				
Copper	57.0	0.426	21.28	39.53	82.3	75	125				
Lead	72.9	0.426	21.28	58.61	67.2	75	125				S
Nickel	31.3	0.426	21.28	14.47	79.2	75	125				
Selenium	20.2	0.532	21.28	0	95.1	75	125				
Silver	19.4	0.426	21.28	0	91.0	75	125				
Zinc	87.7	0.426	21.28	70.36	81.5	75	125				

Sample ID **1505117-001BMSD** SampType: **MSD** TestCode: **ICPSCAN_S** Units: **mg/Kg-dry** Prep Date: **5/20/2015** RunNo: **8548**
Client ID: **BatchQC** Batch ID: **4975** TestNo: **SW6010C** **SW3050B** Analysis Date: **5/22/2015** SeqNo: **159172**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	24.6	0.538	21.53	3.665	97.3	75	125	24.88	1.04	20	
Barium	74.1	0.431	21.53	61.19	59.9	75	125	75.09	1.35	20	S
Cadmium	19.4	0.431	21.53	0.1174	89.6	75	125	19.57	0.857	20	
Chromium	35.4	0.431	21.53	17.42	83.7	75	125	35.71	0.747	20	
Copper	56.4	0.431	21.53	39.53	78.4	75	125	57.04	1.11	20	
Lead	72.2	0.431	21.53	58.61	63.1	75	125	72.92	0.981	20	S
Nickel	31.0	0.431	21.53	14.47	76.9	75	125	31.33	0.955	20	
Selenium	20.0	0.538	21.53	0	92.8	75	125	20.24	1.33	20	
Silver	19.0	0.431	21.53	0	88.4	75	125	19.36	1.65	20	
Zinc	86.7	0.431	21.53	70.36	76.0	75	125	87.71	1.12	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

Original

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4975**

Sample ID	**1505117-001BMSD**	SampType:	**MSD**	TestCode:	**ICPSCAN_S**	Units:	**mg/Kg-dry**	Prep Date:	**5/20/2015**	RunNo:	**8548**		
Client ID:	**BatchQC**	Batch ID:	**4975**	TestNo:	**SW6010C**	**SW3050B**		Analysis Date:	**5/22/2015**	SeqNo:	**159172**		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Sample ID	**MBS052015A**	SampType:	**MBLK**	TestCode:	**ICPSCAN_S**	Units:	**mg/Kg**	Prep Date:	**5/20/2015**	RunNo:	**8548**		
Client ID:	**PBS**	Batch ID:	**4975**	TestNo:	**SW6010C**	**SW3050B**		Analysis Date:	**5/22/2015**	SeqNo:	**159255**		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Aluminum		ND	0.400									U	
Antimony		ND	0.500									U	
Arsenic		ND	0.500									U	
Barium		ND	0.400									U	
Beryllium		ND	0.400									U	
Cadmium		ND	0.400									U	
Calcium		ND	0.500									U	
Chromium		ND	0.400									U	
Cobalt		ND	0.400									U	
Copper		ND	0.400									U	
Iron		ND	0.400									U	
Lead		ND	0.400									U	
Magnesium		ND	0.400									U	
Manganese		ND	0.400									U	
Molybdenum		ND	0.400									U	
Nickel		ND	0.400									U	
Potassium		ND	0.500									U	
Selenium		ND	0.500									U	
Silver		ND	0.400									U	
Sodium		ND	0.500									U	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand
BatchID: **4975**

Sample ID **MBS052015A** SampType: **MBLK** TestCode: **ICPSCAN_S** Units: **mg/Kg** Prep Date: **5/20/2015** RunNo: **8548**
Client ID: **PBS** Batch ID: **4975** TestNo: **SW6010C** **SW3050B** Analysis Date: **5/22/2015** SeqNo: **159255**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Thallium	ND	0.500									U
Vanadium	ND	0.400									U
Zinc	ND	0.400									U

Sample ID **LCSS052015A** SampType: **LCS** TestCode: **ICPSCAN_S** Units: **mg/Kg** Prep Date: **5/20/2015** RunNo: **8548**
Client ID: **LCSS** Batch ID: **4975** TestNo: **SW6010C** **SW3050B** Analysis Date: **5/22/2015** SeqNo: **159256**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	39.9	0.400	40.00	0	99.8	80	120				
Antimony	41.5	0.500	40.00	0	104	80	120				
Arsenic	43.2	0.500	40.00	0	108	80	120				
Barium	40.3	0.400	40.00	0	101	80	120				
Beryllium	40.3	0.400	40.00	0	101	80	120				
Cadmium	40.3	0.400	40.00	0	101	80	120				
Calcium	39.6	0.500	40.00	0	99.0	80	120				
Chromium	43.2	0.400	40.00	0	108	80	120				
Cobalt	42.1	0.400	40.00	0	105	80	120				
Copper	39.7	0.400	40.00	0	99.2	80	120				
Iron	37.6	0.400	40.00	0	94.0	80	120				
Lead	39.6	0.400	40.00	0	99.0	80	120				
Magnesium	39.0	0.400	40.00	0	97.5	80	120				
Manganese	40.7	0.400	40.00	0	102	80	120				
Molybdenum	43.5	0.400	40.00	0	109	80	120				
Nickel	42.6	0.400	40.00	0	106	80	120				
Potassium	390	0.500	400.0	0	97.6	80	120				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4975**

Sample ID **LCSS052015A** SampType: **LCS** TestCode: **ICPSCAN_S** Units: **mg/Kg** Prep Date: **5/20/2015** RunNo: **8548**
Client ID: **LCSS** Batch ID: **4975** TestNo: **SW6010C** **SW3050B** Analysis Date: **5/22/2015** SeqNo: **159256**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	42.5	0.500	40.00	0	106	80	120				
Silver	39.4	0.400	40.00	0	98.6	80	120				
Sodium	42.1	0.500	40.00	0	105	80	120				
Thallium	38.6	0.500	40.00	0	96.4	80	120				
Vanadium	41.3	0.400	40.00	0	103	80	120				
Zinc	41.4	0.400	40.00	0	104	80	120				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **1505121**

22-May-15

Client: Evergreen Recycling of Corona
Project: SCA Sand

BatchID: **4987**

Sample ID **MBS052115A** SampType: **MBLK** TestCode: **HG_S** Units: **mg/Kg** Prep Date: **5/21/2015** RunNo: **8508**
Client ID: **PBS** Batch ID: **4987** TestNo: **SW7471B** **SW7471B** Analysis Date: **5/21/2015** SeqNo: **158158**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.0120									U

Sample ID **LCSS052115A** SampType: **LCS** TestCode: **HG_S** Units: **mg/Kg** Prep Date: **5/21/2015** RunNo: **8508**
Client ID: **LCSS** Batch ID: **4987** TestNo: **SW7471B** **SW7471B** Analysis Date: **5/21/2015** SeqNo: **158159**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.218	0.0120	0.2000	0	109	80	120				

Sample ID **1505116-008BMS** SampType: **MS** TestCode: **HG_S** Units: **mg/Kg-dry** Prep Date: **5/21/2015** RunNo: **8508**
Client ID: **BatchQC** Batch ID: **4987** TestNo: **SW7471B** **SW7471B** Analysis Date: **5/21/2015** SeqNo: **158171**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.322	0.0177	0.2955	0.01493	104	80	120				

Sample ID **1505116-008BMSD** SampType: **MSD** TestCode: **HG_S** Units: **mg/Kg-dry** Prep Date: **5/21/2015** RunNo: **8508**
Client ID: **BatchQC** Batch ID: **4987** TestNo: **SW7471B** **SW7471B** Analysis Date: **5/21/2015** SeqNo: **158172**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.318	0.0179	0.2984	0.01493	101	80	120	0.3221	1.34	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

Original

is 2 R submit sample to lab

spec sect 02201 2.01 B

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29-16 40th Ave, Long Island City NY, 11101

Particle-Size Analysis of Soils
ASTM D 422

Project: Evergreen Recycling

W.O.#: 4872.01
Date Tested: 01/15/15
Date Sampled: N/A

Sample Source: Evergreen Recycling of Corona
Proposed Use Fill and Backfill (Sand)
LIC Sample ID: BS 73

Description: *SP - Poorly graded sand*

GRAVEL	7.0%
SAND	90.4%

SILT/CLAY	2.6%
MOISTURE CONTENT	7.9%

	Sieve Size	% Passing	Specification	Pass / Fail
Cobbles	4"			
Coarse Gravel	3"	100.0%	100%	Pass
↓	2.5"			
↓	2"			
↓	1.5"			
↓	1"	100.0%		
Fine Gravel	3/4"	99.8%	70-100%	Pass
↓	1/2"	97.9%		
↓	3/8"	96.2%		
↓	1/4"	94.2%		
Coarse Sand	no. 4	93.0%		
↓	no. 8			
↓	no. 10	88.3%		
	no. 12			
Medium Sand	no. 16			
↓	no. 20	76.1%		
↓	no. 30			
↓	no. 40	41.5%		
Fine Sand	no. 50			
↓	no. 60	13.9%		
↓	no. 80			
↓	no. 100	5.3%		
↓	no. 200	2.6%	0-10%	Pass
Silt/Clay				

Note: • sample meets gradation specification for SCA Fill and Backfill.
Specification: NYCSCA, EARTHWORK, Sect. 02200, Part 2, 2.01, B. Fill and Backfill.