

ANNUAL REPORT

DALLAS EXECUTIVE AIRPORT

December 27, 2011

I. INTRODUCTION

On August 14, 2006, the Texas Commission on Environmental Quality (TCEQ) signed and published the latest version of the Texas Pollutant Discharge Elimination System (TPDES) Storm Water Multi-Sector General Permit TXR050000. This permit oversees storm water discharges from 30 types of industrial activities, including those involving air transportation. Air transportation facilities that are classified as SIC Code 45 and which have vehicle maintenance shops, equipment cleaning operations, and airport or aircraft deicing/anti-icing operations are regulated under this permitting program. Areas located within a regulated air transportation facility that are directly involved in vehicle maintenance (e.g., vehicle rehabilitation, mechanical repairs, painting, fueling, lubrication, etc.), equipment cleaning activities, and airport or aircraft deicing operations are specified as industrial activities and require permit coverage. The specific requirements for these activities are found under Sector S of the TPDES Multi Sector General Permit.

The Aviation Department and tenants filed NOIs for the TPDES MS General Permit within 90 days of the implementation date. On July 1, 2003, the Aviation Department and its tenants transferred to the current SWPPP (dated April 2003). This SWPPP replaced the “Dallas Redbird Airport Storm Water Pollution Plan, City of Dallas, Texas” dated September 1996 for the Aviation Department and their tenants. The 2003 SWPPP meets the TPDES MS General Permit. (Some tenants may also have individual SWPPPs that are more specific to their industrial activity and are more stringent than this document.)

This permit requires that qualified personnel conduct a “Comprehensive Site Compliance Evaluation” at least once yearly.

Objectives of this comprehensive evaluation are as follows:

1. Confirm the accuracy of the description of potential pollutant sources contained in the SWPPP.
2. Determine the effectiveness of the SWPPP.
3. Modify the SWPPP as necessary.
4. Assess compliance with the terms and conditions of the facility’s storm water permit.

The Dallas Executive Airport (RBD) site compliance evaluations were conducted by Dallas Department of Aviation (DOA) Environmental Specialists and Pollution Prevention Team (PPT) members.

This annual report is required by the permit. It defines the scope and summarizes the Comprehensive Site Compliance Evaluation performed during the 2011 permit year. It is to be retained as part of the SWPPP for at least three years from date of evaluation.

The current SWPPP for RBD was made effective in April, 2003. It identified airport operators that have elected to become co-permittees with the DOA to obtain General Permit coverage for storm water discharges associated with industrial activities from their area of operation. It also included an inventory of exposed materials, descriptions of potential pollution sources as well as pollution prevention measures and controls. All airport operators that became co-permittees by the SWPPP effective date, and whose employees or subtenants perform industrial activities were included in this Comprehensive Site Compliance Evaluation. Results of this Evaluation are presented as Attachment 1. For the purpose of implementing the SWPPP, the permit year is from January 1 to December 31.

TCEQ Airport Inspection

No TCEQ inspections were performed at Dallas Executive Airport during this permit year.

Dallas Storm Water Industrial Inspection

Dallas Storm Water conducted an industrial storm water inspection at Dallas Executive Airport that encompassed the Aviation Department and all permitted tenants.

II. SCOPE OF THE COMPREHENSIVE SITE COMPLIANCE EVALUATION

The Comprehensive Site Compliance Evaluation was conducted in each operator's lease or contracted work area(s) as well as applicable DOA work areas and associated storm water structural control facilities. The evaluation process consisted of several parts, including:

1. Verification of owner/operator information
2. Confirmation of the accuracy of potential pollutant sources as reported in the SWPPP
3. Review of operator's recordkeeping practices, and
4. Assessment of compliance with terms and conditions of the permit as reflected by operator compliance with the measures and controls contained in the SWPPP.

Initially, operator/leaseholder information was obtained and recorded. This included the name and telephone number of the operator or operator's representative present during the evaluation, leaseholder or subtenant status, and, if a subtenant, the name of the leaseholder's representative present during the evaluation.

The second component of the evaluation confirmed information regarding potential pollutant sources as currently recorded in the SWPPP. The airport operator's industrial activity summary contained in Appendix I of the SWPPP was reviewed and the operator/leasehold site map was revised, if necessary, to reflect any changes in the occurrence of industrial activities.

The third component related to the operator's recordkeeping practices. Important records, such as the operator's TCEQ permit number, certifications, completed self-inspection forms, training records, etc, were to be kept in the SWPPP or referenced elsewhere. A discussion was held with the operator/leaseholder emphasizing the importance of retaining these records in an accessible manner.

The fourth component of the evaluation assessed compliance with permit conditions and is related to the inspection process described in Section VI of the RBD SWPPP. As described in the SWPPP, a two-part inspection process has been implemented in response to the general permit requirements. The first part is an annual self-inspection conducted by the operator. Inspection checklists that pertain to specific industrial activities are to be completed by the operator during the self-inspection process. The Comprehensive Site Compliance Evaluation is the second part of the process, and it follows the completion of the operator's self-inspection.

The inspection checklists are as follows:

- Aircraft, Ground Vehicle, and Equipment Maintenance and Storage Areas
- Aircraft, Ground Vehicle, and Equipment Cleaning Areas
- Chemical/Material Storage Areas
- Fueling Activities
- Training Program
- Tenant/Operator Storm Water and Pollution Controls
- DOA Storm Water Structures, Pollution Controls and Sediment Controls
- Wet Weather Visual Inspections
- Dry Weather Evaluations

During the fourth component of the Site Compliance Evaluation, the evaluation team reviewed copies of completed checklists, and a walk-through inspection of the operator's industrial area(s) was

performed where adherence to the Best Management Practices (BMPs) was noted. If necessary, a follow-up inspection was scheduled to review actions taken by the operator to resolve SWPPP compliance issues. The evaluation inspections were also conducted for industrial activities performed in DOA work areas and for airport storm water structural controls.

III. RESULTS OF THE COMPREHENSIVE SITE COMPLIANCE EVALUATION

The evaluation process was conducted on November 9, 2011. It included all operators that were permittees on January 2011, and whose employees or subtenants were performing industrial activities at RBD. Attachment 1 of this report contains a summary of the compliance efforts of airport operators to implement measures and controls contained in the SWPPP. The information presented in this report is based on information obtained from the RBD Comprehensive Site Compliance Evaluation process. The compliance report in Attachment 1 lists the operator under evaluation, the date(s) of the evaluation, PPT personnel conducting the evaluation, major observations relating to implementation of the SWPPP and identification of any incidents of noncompliance. It is to be kept for a minimum of three years from the date of evaluation. The major observations that were noted during the evaluation process are described below.

Aircraft, Vehicle, and Equipment Maintenance and Storage Areas

There were no cases of non-compliance noted for maintenance areas during the facility inspections at Dallas Executive Airport. In all instances maintenance activities were located under cover, drip pans were used when needed, and spill kits were placed in appropriate location. Two minor non-compliances were reported for failing to immediately clean up all small oil spills from leaking equipment and use drip pans continuously in outdoor equipment storage areas.

Chemical/Material Storage Areas

Three dumpsters were reported without plugs and lids closed. One subtenant was seen leaving food out for animals. This wildlife hazard was reported in the 2010 inspection also.

Spill Control Equipment

There were no instances of non-compliance noted for this item during the site assessments of Dallas Executive Airport. In all instances spill control equipment is accessible and located appropriately. Disposal of used containment and clean-up materials is handled properly. Spill response and reporting plans are sufficient.

Aircraft, Vehicle and Equipment Wash Area

No cases of non-compliance for this item were documented during the site investigations at Dallas Executive Airport. Washing practices are following the prescribed BMPs.

Fueling Activity

Fueling activity occurs in designated areas by qualified personnel, tenants perform daily visual inspection of equipment, and fueling does not occur within 50 feet of a storm drain. Spill response procedures appear to be adequate. There is one self-fueling station for small aircraft and it is properly maintained and controlled. It was recommended that the spill kit be more prominently and conspicuously labeled at the station.

Training Program

All tenants who had not yet fully completed their 2011 training at time of inspection had training scheduled in December. All other tenants have the necessary training documentation recording the date of training and who attended the training.

Recordkeeping and Documentation

All tenants had completed checklists. Not all were completed to the full extent, with minor information missing. Tenants were reminded that checklists must be filled out in their entirety.

Inspection of DOA Storm Water Structural Controls at RBD

There are several features constructed as part of the airport drainage system that enhance the quality of storm water. The Comprehensive Site Compliance Evaluation included inspection of these structural controls. The existing control measures at RBD consist of Outfall Closure Devices, Stormceptors, grass-lined ditches and swales that serve to decrease the velocity of storm water runoff. The four new Outfall Closure Gate Devices and two Stormceptors that have been installed act as structural controls for Dallas Executive Airport.

Funding for the maintenance of these controls has been authorized in the 2011-2012 fiscal budget. We are currently in the process of accepting a service agreement to lubricate the outfall gates and maintain the computer component of the control. The Stormceptors are being sampled and analyzed for disposal identification purposes.

SIGNIFICANT REVISIONS TO THE SWPPP

As a result of the Comprehensive Site Compliance Evaluation performed for the 2011 permit year and because the permit was renewed, revisions were made to the SWPPP to adhere to the new permit, strengthen its pollution prevention objectives and to make it more user friendly to the airport operators. These changes are still in progress, but the most significant change will be that the SWPPP is shorter, more general, and easier to use.

IV. MAJOR OBSERVATIONS RELATING TO SWPPP IMPLEMENTATION

Overall, implementation of the SWPPP at RBD by industrial operators appears to be successful. The same can be said for the operator self-inspection process and Comprehensive Site Compliance Evaluation, except as noted.

The total number of discrepancies decreased from last year. There was no indication that any soil or water contamination occurred as a result of the discrepancies, and the annual sampling report reflected this.

All tenants found to be in compliance during their comprehensive site compliance evaluation have already or will submit a certification of compliance for their facility to the Department of Aviation. All tenants found to be in non-compliance during their comprehensive site compliance evaluation have no more than 12 weeks to correct any issues and submit a certification of compliance to the Department of Aviation.

CERTIFICATION

Permit/Registration No. TXR 05V413

I, William Brewer Environmental Manager
Typed or printed name *Title*

certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I further certify that I am authorized under 30 Texas Administrative Code §305.44 to sign this document and can provide documentation in proof of such authorization upon request.

Signature: William Brewer Date: 4/25/12

2011 Wet Weather Monitoring

Wet weather monitoring was conducted on December 14, 2011 at Infall 1 and Outfalls 1, 2, 4, and 6. Sampling was conducted within the first hour of rainfall commencement. Annual metals testing were performed on these outfalls and visual monitoring was also conducted. The results of the laboratory analysis for metals indicate no evidence of pollutants in these samples. Visual observations of the outfalls indicate no heavy sedimentation in the waters. For further information on the laboratory results see table below or consult the Xenco Laboratories documentation dated 27 Dec 11,

Dallas Executive Airport
Annual Storm Water Results – 2011

Pollutant	Recordable Level	Daily Maximum Concentration (mg/L)	IN-1	OF-1	OF-2	OF-4	OF-6	Pollutant Exceeded
Arsenic	0.010	0.3	BRL	BRL	0.00207	BRL	BRL	No
Barium	0.010	4.0	0.0237	0.0212	0.0527	0.0288	.0533	No
Cadmium	0.005	0.2	BRL	BRL	BRL	BRL	BRL	No
Chromium	0.005	5.0	0.00874	0.00494	0.00405	BRL	0.00374	No
Copper	0.010	2.0	0.00299	0.00524	0.0111	0.0112	0.0117	No
Lead	0.012	1.5	0.0135	0.00364	0.00819	0.00399	0.00837	No
Manganese	0.010	3.0	0.0268	0.0281	0.0779	0.0296	0.0776	No
Mercury	0.0001	0.01	BRL	BRL	BRL	BRL	BRL	No
Nickel	0.010	3.0	BRL	BRL	BRL	BRL	BRL	No
Selenium	0.010	0.2	BRL	BRL	BRL	BRL	BRL	No
Silver	0.004	0.2	BRL	BRL	BRL	BRL	BRL	No
Zinc	0.010	6.0	0.170	0.0314	0.156	0.103	0.151	No

BRL = Below Recordable Level

Analytical Report 416301

for

City of Dallas-Aviation

Project Manager: Stephen (Sam) Peacock

Annual Metals Testing

RBD 2011

20-MAY-11



Celebrating 20 Years of commitment to excellence in Environmental Testing Services



9701 Harry Hines Blvd, Dallas, TX 75220

Ph:(214) 902-0300 Fax:(214) 351-9139

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL01273):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):

Arizona(AZ0757), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)



20-MAY-11

Project Manager: **Stephen (Sam) Peacock**
City of Dallas-Aviation
8008 Ceder Springs Rd. LB16
Dallas, TX 75235

Reference: XENCO Report No: **416301**
Annual Metals Testing
Project Address: TX

Stephen (Sam) Peacock:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 416301. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 416301 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Carlos Castro

Managing Director, Texas

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CASE NARRATIVE

Client Name: City of Dallas-Aviation
Project Name: Annual Metals Testing



Project ID: RBD 2011
Work Order Number: 416301

Report Date: 20-MAY-11
Date Received: 05/11/2011

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-856286 Mercury by EPA 245.1
E245.1

Batch 856286, Mercury, Total recovered below QC limits in the laboratory control sample.
Samples affected are: 416301-004, -002, -003, -001.

E245.1

Batch 856286, Mercury, Total RPD was outside laboratory control limits.
Samples affected are: 416301-004, -002, -003, -001



Certificate of Analysis Summary 416301

City of Dallas-Aviation, Dallas, TX

Project Name: Annual Metals Testing



Project Id: RBD 2011

Contact: Stephen (Sam) Peacock

Project Location: TX

Date Received in Lab: Wed May-11-11 06:00 pm

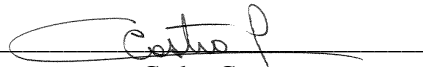
Report Date: 20-MAY-11

Project Manager: Monica Tobar

<i>Analysis Requested</i>	<i>Lab Id:</i>	416301-001	416301-002	416301-003	416301-004		
	<i>Field Id:</i>	RBD OF 1	RBD OF 2	RBD OF 6	RBD OF 4		
	<i>Depth:</i>						
	<i>Matrix:</i>	WATER	WATER	WATER	WATER		
	<i>Sampled:</i>	May-11-11 16:24	May-11-11 15:55	May-11-11 16:15	May-11-11 16:05		
Mercury by EPA 245.1	<i>Extracted:</i>	May-17-11 08:10	May-17-11 08:10	May-17-11 08:10	May-17-11 08:10		
	<i>Analyzed:</i>	May-17-11 11:07	May-17-11 11:09	May-17-11 11:10	May-17-11 11:12		
	<i>Units/RL:</i>	ug/L RL	ug/L RL	ug/L RL	ug/L RL		
Mercury, Total		BRL 0.100	BRL 0.100	BRL 0.100	BRL 0.100		
Metals per ICP by EPA 200.7	<i>Extracted:</i>	May-13-11 05:45	May-13-11 05:45	May-13-11 05:45	May-13-11 05:45		
	<i>Analyzed:</i>	May-13-11 11:36	May-13-11 11:54	May-13-11 12:01	May-13-11 12:03		
	<i>Units/RL:</i>	mg/L RL	mg/L RL	mg/L RL	mg/L RL		
Arsenic		BRL 0.0100	BRL 0.0100	BRL 0.0100	BRL 0.0100		
Barium		0.0206 0.0100	0.0114 0.0100	0.0214 0.0100	0.0225 0.0100		
Cadmium		BRL 0.0050	BRL 0.0050	BRL 0.0050	BRL 0.0050		
Lead		BRL 0.0120	BRL 0.0120	BRL 0.0120	BRL 0.0120		
Selenium		BRL 0.0100	BRL 0.0100	BRL 0.0100	BRL 0.0100		
Silver		BRL 0.0040	BRL 0.0040	BRL 0.0040	BRL 0.0040		
Chromium		BRL 0.0050	BRL 0.0050	BRL 0.0050	0.00600 0.0050		

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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 Carlos Castro
 Managing Director, Texas

Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the MQL and above the SQL.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- BRL** Below Reporting Limit.
- RL** Reporting Limit
- MDL** Method Detection Limit
- PQL** Practical Quantitation Limit
- LOD** Limit of Detection
- LOQ** Limit of Quantitation
- DL** Method Detection Limit
- * Outside XENCO's scope of NELAC Accreditation.**

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5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
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12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116



BS / BSD Recoveries



Project Name: Annual Metals Testing

Work Order #: 416301

Analyst: DAT

Date Prepared: 05/17/2011

Project ID: RBD 2011

Date Analyzed: 05/17/2011

Lab Batch ID: 856286

Sample: 602881-1-BKS

Batch #: 1

Matrix: Water

Units: ug/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Mercury by EPA 245.1	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Mercury, Total	<0.100	5.00	0.979	20	5.00	4.90	98	133	85-115	20	LF

Analyst: DAT

Date Prepared: 05/13/2011

Date Analyzed: 05/13/2011

Lab Batch ID: 855947

Sample: 602660-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Metals per ICP by EPA 200.7	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	<0.0100	1.00	1.05	105	1.00	1.04	104	1	75-125	20	
Barium	<0.0100	1.00	1.01	101	1.00	0.992	99	2	75-125	20	
Cadmium	<0.00500	1.00	1.06	106	1.00	1.05	105	1	75-125	20	
Lead	<0.0120	1.00	1.09	109	1.00	1.07	107	2	75-125	20	
Selenium	<0.0100	1.00	1.06	106	1.00	1.04	104	2	75-125	20	
Silver	<0.00400	1.00	1.03	103	1.00	1.03	103	0	75-125	20	
Chromium	<0.0500	1.00	1.03	103	1.00	1.04	104	1	75-125	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Blank Spike Recovery [D] = 100*(C)/[B]

Blank Spike Duplicate Recovery [G] = 100*(F)/[E]

All results are based on MDL and Validated for QC Purposes



Form 3 - MS / MSD Recoveries



Project Name: Annual Metals Testing

Work Order #: 416301

Project ID: RBD 2011

Lab Batch ID: 856286

QC- Sample ID: 416284-001 S

Batch #: 1 Matrix: Water

Date Analyzed: 05/17/2011

Date Prepared: 05/17/2011

Analyst: DAT

Reporting Units: ug/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Mercury by EPA 245.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Mercury, Total	<0.100	5.00	4.88	98	5.00	5.27	105	8	75-125	20	

Lab Batch ID: 855947

QC- Sample ID: 416301-001 S

Batch #: 1 Matrix: Water

Date Analyzed: 05/13/2011

Date Prepared: 05/13/2011

Analyst: DAT

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Metals per ICP by EPA 200.7 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Arsenic	<0.0100	1.00	1.04	104	1.00	1.03	103	1	75-125	20	
Barium	0.0206	1.00	1.02	100	1.00	1.01	99	1	75-125	20	
Cadmium	<0.00500	1.00	1.04	104	1.00	1.05	105	1	75-125	20	
Lead	<0.0120	1.00	1.07	107	1.00	1.06	106	1	75-125	20	
Selenium	<0.0100	1.00	1.03	103	1.00	1.04	104	1	75-125	20	
Silver	<0.00400	1.00	1.02	102	1.00	1.03	103	1	75-125	20	
Chromium	<0.0500	1.00	1.03	103	1.00	1.05	105	2	75-125	20	

Matrix Spike Percent Recovery $[D] = 100 * (C-A) / B$
Relative Percent Difference $RPD = 200 * (C-F) / (C+F)$

Matrix Spike Duplicate Percent Recovery $[G] = 100 * (F-A) / E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit



- 4143 Greenbriar Drive, Stafford, TX 77477 281-240-4200
- 5332 Blackberry Drive, San Antonio, TX 78238 210-509-3334
- 9701 Harry Hines Blvd., Dallas, TX 75220 214-902-0300

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

- 12600 West I-20 East, Odessa, TX 79765 432-563-1800
- 842 Cantwell, Corpus Christi, TX 78408 361-884-0371

Page of

Serial #: 257839

Company-City

CITY OF DALLAS - AVIATION 214 670 7143

Proj Name-Location: Previously done at XENCO Project ID: RBD 2011

Proj State: TX, AL, FL, GA, LA, MS, NC, NJ, PA, SC, TN, UT Other: DR. STEVEN PEACOCK

e-Mail Results to: PM and Elizabeth.greene@dallascityhall.com Fax No:

Invoice to: Accounting Inc. Invoice with Final Report Invoice must have a P.O. Bill to:

Quote/Pricing: P.O. No: Call for P.O.

Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp/NPDES DW TRRP

QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:

Special DLs (GW DW QAPP MDLs RLS See Lab PM Included Call PM)

Sampler Name Signature

Sample ID	Sampling Date	Time	Depth	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives
RBD OF 1	5/11/11	4:24				✓	1	1L	ICE	
RBD OF 2	5/11/11	3:55				✓	1	1L	HWY	
RBD OF 6	5/11/11	4:15				✓	1	1L		
RBD OF 4	5/11/11	4:05				✓	1	1L		

Relinquished by (Initials and Sign) Date & Time
 1) *LS* 5/11/11 6:00
 2)
 3)
 4)
 5)
 6) *JM* 5/11/11 6:00

Lab Only: TAT: ASAP 5h 12h; 24h 48h 7d 10d 21d Standard TAT is project specific. It is typically 5-7 Working Days for level III and 10+ Working days for level III and IV data.

From:	Revised by:	Date	Adn:	Remarks
				Sample Clean-ups are pre-approved as needed
				Hold Samples (Surcharges will apply and are pre-approved)
				Adn: PAH above mg/L W, mg/Kg S Highest Hit
				TATASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d
				EDB / DBCP
				SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)
				Metals RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx 2
				OC Pesticides PCBs Herbicides OP Pesticides
				SVOCs: Full-List DW BN&AE TCL PP Appdx-2 CALL
				TX-1005 DRO GRO MA EPH MA VPH
				PAHs
				VOCs: PP TCL DW Appdx-1 Appdx-2 CALL Other:
				VOCs: Full-List BTEX-MTBE EIOH Oxyg VOHS VOAS

Total Containers per COC: 3.40C
 Cooler Temp:
 otherwise agreed on writing. Reports are the Intellectual Property of XENCO until paid. Samples will be held 30 days after final report is e-mailed unless hereby requested. Rush Charges and Collection Fees are pre-approved if needed.

Preservatives: Various (V), HCl pH<2 (H), H2SO4 pH<2 (S), HNO3 pH<2 (N), Spec Acid&NaOH (A), ZnAc&NaOH (Z), (Cool,<4C) (C), None (NA), See Label (L), Other (O)
 Cont. Size: 4oz (4), 8oz (8), 32oz (32), 40ml VOA (40), 1L (1), 500ml (5), Tedlar Bag (B), Various (V), Other _____ Cont. Type: Glass Amb (A), Glass Clear (C), Plastic (P), Various (V)
 Matrix: Air (A), Product (P), Solid(S), Water (W), Liquid (L)
 Committed to Excellence in Service and Quality www.xenco.com
 Notice: Signature of this document and relinquishment of these samples constitutes a valid purchase order from client company to Xenco Laboratories and its affiliates, subcontractors and assigns under Xenco's standard terms and conditions of service unless previously negotiated under a fully executed client contract.

Quality Environmental Controll.
800-255-3950 • 304-255-3900
QEC

STUDY SEAL
Blind
[Signature]

41084D
410801-D



Prelogin/Nonconformance Report- Sample Log-In

Client: City of Dallas-Aviation

Acceptable Temperature Range: 0 - 6 degC

Date/ Time Received: 05/11/2011 06:00:00 PM

Temperature Measuring device used :

Work Order #: 416301

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	2.4	
#2 *Shipping container in good condition?	Yes	
#3 *Samples received on ice?	Yes	
#4 *Custody Seals intact on shipping container/ cooler?	No	not present
#5 Custody Seals intact on sample bottles/ container?	No	not present
#6 *Custody Seals Signed and dated for Containers/coolers	No	not present
#7 *Chain of Custody present?	Yes	
#8 Sample instructions complete on Chain of Custody?	Yes	
#9 Any missing/extra samples?	No	
#10 Chain of Custody signed when relinquished/ received?	Yes	
#11 Chain of Custody agrees with sample label(s)?	Yes	
#12 Container label(s) legible and intact?	Yes	
#13 Sample matrix/ properties agree with Chain of Custody?	Yes	
#14 Samples in proper container/ bottle?	Yes	
#15 Samples properly preserved?	Yes	
#16 Sample container(s) intact?	Yes	
#17 Sufficient sample amount for indicated test(s)?	Yes	
#18 All samples received within hold time?	Yes	
#19 Subcontract of sample(s)?	No	
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	N/A	
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	Yes	
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	N/A	

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:	PH Device/Lot#
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NonConformance:

Metals (Ag, As, Ba, Cd, Cr, Hg, Pb,Se) to be run in Dallas.

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ Contacted by : _____ DateTime : _____

Checklist completed by: Angelica Martinez
Angelica Martinez

Date: 05/12/2011

Checklist reviewed by: _____

Date: 05/12/2011

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