



# Republic Services, Inc.

18500 N. Allied Way, Phoenix, AZ 85054

## SPECIAL WASTE DEPARTMENT DECISION

	Waste Profile # 38251111173	Expiration Date 6/30/2012	
I. Decision Request:	<input checked="" type="checkbox"/> Initial <input type="checkbox"/> Recertification <input type="checkbox"/> Change		
Disposal Facility: 3825 - Apex Regional Landfill (Silver State Disposal)			
Generator Name: NEVADA ENV RESPONSE TRUST			
Generator Site Address: 560 W LAKE MEAD PKWY			
City: HENDERSON	County:	State: NV	Zip:
Name of Waste: SOIL AND PIPES REMOVED DURING ASBESTOS CONT PIPE REMOVALS			
Estimated Annual Volume: 1,000 Cubic Yards			

I. Special Waste Department Decision:     Approved     Rejected

Management Method(s):     Landfill     Solidification     Bioremediation     Transfer Facility

Problematic Special Waste according to Republic?     Yes     No

If yes, which one? \_\_\_\_\_

Approved by Special Waste Review Committee?     Yes     No     Not Applicable

### Precautions, Conditions or Limitations on Approval

Special Waste Analyst Signature: *Mark Phillips*  
Date: 7/26/2011

Name (Printed): Mark Phillips

II. Facility Decision:     Approved     Rejected

### Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: *Mark Cunniff*  
Date: 7/26/2011

Name (Printed): Mark Cunniff

Requested Disposal Facility: Apex Regional LF NV 3825

Waste Profile #
Sales Rep #.

Saveable fill in form. Restricted printing until all required (yellow) fields are completed.

**I. Generator Information**

Generator Name: Nevada Environmental Response Trust			
Generator Site Address: 560 West Lake Mead Parkway			
City: Henderson	County: Clark	State: Nevada	Zip: 89015
State ID/Reg No: NA	State Approval/Waste Code: NA	(if applicable)	NAICS # : None
Generator Mailing Address (if different): 35 East Wacker, Suite 1550			
City: Chicago	County: Cook	State: Illinois	Zip: 60606
Generator Contact Name: John Pekala		Email: jpekala@environcorp.com	
Phone Number: (707) 815-7474	Ext:	Fax Number: (602) 734-7701	

**Ila. Transporter Information**

Transporter Name: Las Vegas Paving Corp.		Contact Name: Tony Haney	
Transporter Address: 4420 S. Decatur Blvd.			
City: Las Vegas	County: Clark	State: Nevada	Zip: 89103
Phone Number: (702) 353-4225	Fax Number: (702) 257-9436	State Transportation Number: 191949	

**Iib. Billing Information**

Bill To: ENVIRON		Contact Name: Tina Russell	
Billing Address: 8725 W. Higgins Rd., Suite 725		Email: trussell@environcorp.com	
City: Chicago	State: Illinois	Zip: 60631	Phone: (773) 272-3532

**III. Waste Stream Information**

Name of Waste: Soil and pipes removed during asbestos-containing pipe removals at the NERT Site	
Process Generating Waste: Asbestos-containing pipes and soil excavated during removal of below grade pipes at the Nevada Environmental Response Trust Site during implementation of the Removal Action Work Plan for the site.	
Physical State: <input checked="" type="checkbox"/> SOLID <input type="checkbox"/> SEMI-SOLID <input type="checkbox"/> POWDER <input type="checkbox"/> LIQUID	
Method of Shipment: <input checked="" type="checkbox"/> BULK <input type="checkbox"/> DRUM <input type="checkbox"/> BAGGED <input type="checkbox"/> OTHER:	
Estimated Annual Volume: <u>1,000</u> Cubic Yards	
Frequency: <input checked="" type="checkbox"/> ONE TIME <input type="checkbox"/> ANNUAL	
Disposal Consideration: <input checked="" type="checkbox"/> LANDFILL <input type="checkbox"/> SOLIDIFICATION <input type="checkbox"/> BIOREMEDIATION	

**IV. Representative Sample Certification**

NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules? <i>ACM: 5/3/11 and 5/4/11 Chemical: 6/8/11 and 6/30/11</i>	<input checked="" type="checkbox"/> YES or <input type="checkbox"/> NO
Sample Date: <u>5/3/11-6/30/11</u>	Type of Sample: <input checked="" type="checkbox"/> COMPOSITE SAMPLE <input type="checkbox"/> GRAB SAMPLE
Sample ID Numbers: ACM: T-6, T-7, T-8, T-23, T-24. Chemical: SP-C24-1A through SP-C24-1H. (see attached results)	

Waste Profile #

**V. Physical Characteristics of Waste**

Characteristic Components		% by Weight (range)			
1. Soil		100.000			
2.					
3.					
4.					
5.					
Color brown, black	Odor (describe) slight odor	Does Waste Contain Free Liquids? <input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No	% Solids 100.00	pH: NA	Flash Point NA °F
<b>Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Chain of Custody and Required Parameters Provided for this Profile</b>					
Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and it epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?					<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 ppm) [reference 40 CFR 261.23(a)(5)]?					<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?					<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?					<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations?					<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCDD), or any other dioxin as defined in 40 CFR 261.31?					<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?					<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?					<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this waste a reactive or heat generating waste?					<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does the waste contain sulfur or sulfur by-products?					<input checked="" type="checkbox"/> Yes or <input type="checkbox"/> No
Is this waste generated at a Federal Superfund Clean Up Site?					<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this waste from a TSD facility, TSD-like facility or waste consolidator?					<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No

**VI. Certification**

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither I nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services Inc.

John Pekala, Agent for Nevada Environmental Response Trust

Nevada Environmental Response Trust

Authorized Representative Name/Title (Type or Print)

Company Name



07/21/2011

Authorized Representative Signature

Date



Summary of Stockpile Sample Analytical Results  
 Asbestos-Containing Soil and Pipes  
 Nevada Environmental Trust Site; Henderson, Nevada

Sampling Date	Sample ID	COC #	Work Order #	SVOCs* (mg/kg)	VOCs* (mg/kg)	OCPs* (mg/kg)	RCRA 8 Metals (mg/kg)
6/8/2011	SP-C24-1A	3219	280-17193-1 GF080480	All ND	All ND, except 1,2-Dichlorobenzene = 0.022 1,4-Dichlorobenzene = 0.064	All ND	Ag = 0.14 As = 3.3 Ba = 249 Cd = 0.88 Cr = 15.6 Hg = 0.022 B Pb = 19.4 Se = 0.43
6/8/2011	SP-C24-1B	3219	280-17193-1 GF080480	All ND	All ND, except acetone = 0.014 J 1,4-Dichlorobenzene = 0.0028 J	All ND	Ag = 0.15 As = 3.7 Ba = 321 Cd = 0.95 Cr = 18.3 Hg = 0.019 B Pb = 15.5 Se = 0.41
6/8/2011	SP-C24-1C	3219	280-17193-1 GF080480	All ND	All ND, except acetone = 0.0067 J	All ND, except beta-BHC = 0.028 J 4,4'-DDE = 0.017 J	Ag = 0.19 As = 6.4 Ba = 529 Cd = 1.2 Cr = 18.2 Hg = 0.032 B Pb = 29.8 Se = 0.59
6/8/2011	SP-C24-1D	3219	280-17193-1 GF080480	All ND	All ND, except acetone = 0.0048 J	All ND, except beta-BHC = 0.023 J	Ag = 0.15 As = 3.4 Ba = 270 Cd = 0.98 Cr = 17.5 Hg = 0.019 B Pb = 23.4 Se = 0.46
TCLP x 20 Values (mg/kg)				<b>TCLP x 20</b> o-, m-, p, total, Cresol = 4000 2,4-Dinitrotoluene = 2.6 Hexachlorobenzene = 2.6 Hexachlorobutadiene = 10 Hexachloroethane = 60 Nitrobenzene = 40 Pentachlorophenol = 2000 2,4,5-Trichlorophenol = 8000 2,4,6-Trichlorophenol = 40 Pyridine = 100	<b>TCLP x 20</b> Benzene = 10 Carbon Tetrachloride = 10 Chlorobenzene = 2000 Chloroform = 120 1,2-Dichloroethane = 10 1,1-Dichloroethylene = 14 2-Butanone (MEK) = 4000 TCE = 10 PCE = 14 Vinyl Chloride = 4 1,4-DCB = 150	<b>TCLP x 20</b> Chlordane = 0.6 Endrin = 0.4 Heptachlor = 0.16 Lindane (gamma BHC) = 8 Methoxychlor = 200 Toxaphene = 10	<b>TCLP x 20</b> Ag = 100 As = 100 Ba = 2000 Cd = 20 Cr = 100 Hg = 4 Pb = 100 Se = 20

B = J = Result is above the laboratory's Method Detection Limit (MDL), but lower than the laboratory's Reporting Limit (RL).

\* = MDL and/or RL for non-detect results are lower than the TCLP x 20 values.

ND = Not Detected

Summary of Stockpile Sample Analytical Results  
 Asbestos-Containing Soil and Pipes  
 Nevada Environmental Trust Site; Henderson, Nevada

Sampling Date	Sample ID	COC #	Work Order #	Reactive Cyanide (mg/kg)	Reactive Sulfide (mg/kg)	PCBs (ug/kg)	Sulfur (mg/kg)
6/30/2011	SP-C24-1E	3240	F1G010432	ND < 0.28	90.9	All ND < 37	ND < 11,400
6/30/2011	SP-C24-1F	3240	F1G010432	ND < 0.28	88.6	All ND < 37	ND < 11,100
6/30/2011	SP-C24-1G	3240	F1G010432	ND < 0.28	88.3	All ND < 36	2910 B
6/30/2011	SP-C24-1H	3240	F1G010432	ND < 0.28	89.9	All ND < 37	ND < 11,200
Landfill Criteria				250	500	50,000	N/A

B = Result is above the laboratory's Method Detection Limit (MDL), but lower than the laboratory's Reporting Limit (RL).  
 ND = Not Detected

Summary of Stockpile Sample Analytical Results  
Asbestos-Containing Soil and Pipes  
Nevada Environmental Trust Site; Henderson, Nevada

Sampling Date	Sample ID	COC #	Work Order #	Asbestos
5/3/2011	T-6	N/A	CON111106	ND
5/3/2011	T-7	N/A	CON111106	3% (Amosite)
5/3/2011	T-8	N/A	CON111106	2% (Chrysotile)
5/4/2011	T-23	N/A	CON111106	ND
5/4/2011	T-24	N/A	CON111106	ND

ND = Not Detected



# Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Logistical Solutions, LLC  
Ty Salazar  
4780 W. Ann Road  
Suite 5-237  
N. Las Vegas, NV 89031

**Client ID:** L1349  
**Report Number:** B148738  
**Date Received:** 05/03/11  
**Date Analyzed:** 05/04/11  
**Date Printed:** 05/04/11  
**First Reported:** 05/04/11

**Job ID/Site:** CON111106; Nevada Environmental Response Trust; Former Tronox Site in Henderson, NV  
**Date(s) Collected:** 05/03/2011

**FALI Job ID:** L1349  
**Total Samples Submitted:** 11  
**Total Samples Analyzed:** 11

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
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<b>T-1</b>	01030532						
Layer: Black Felt							<b>ND</b>
Layer: Tan Fibrous Material							<b>ND</b>

Total Composite Values of Fibrous Components: **Asbestos (ND)**  
Cellulose (70 %)

<b>T-2</b>	01030533						
Layer: Red-Brown Non-Fibrous Material							<b>ND</b>

Total Composite Values of Fibrous Components: **Asbestos (ND)**  
Cellulose (Trace)

<b>T-4</b>	01030534						
Layer: Beige Semi-Fibrous Material		Chrysotile					<b>35 %</b>

Total Composite Values of Fibrous Components: **Asbestos (35%)**  
Cellulose (60 %)

<b>T-3</b>	01030535						
Layer: Black Felt							<b>ND</b>
Layer: Red-Brown Non-Fibrous Material							<b>ND</b>

Total Composite Values of Fibrous Components: **Asbestos (ND)**  
Cellulose (25 %)

<b>T-5</b>	01030536						
Layer: Black Semi-Fibrous Material		Chrysotile					<b>Trace</b>
Layer: Beige Fibrous Material							<b>ND</b>

Total Composite Values of Fibrous Components: **Asbestos (Trace)**  
Cellulose (2 %) Fibrous Glass (10 %)

<b>T-6</b>	01030537						
Layer: Black Semi-Fibrous Material							<b>ND</b>
Layer: Red Non-Fibrous Material							<b>ND</b>

Total Composite Values of Fibrous Components: **Asbestos (ND)**  
Cellulose (25 %)

<b>T-7</b>	01030538						
Layer: Black Semi-Fibrous Material		Amosite					<b>3 %</b>

Total Composite Values of Fibrous Components: **Asbestos (3%)**

Client Name: Logistical Solutions, LLC

Report Number: B148738

Date Printed: 05/04/11

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
<b>T-8</b>	01030539						
Layer: Red-Brown Semi-Fibrous Material		Chrysotile	2 %				
Total Composite Values of Fibrous Components:		<b>Asbestos (2%)</b>					
Cellulose (25 %)							
<b>T-9</b>	01030540						
Layer: Grey Cementitious Material			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>T-10</b>	01030541						
Layer: Grey Cementitious Material			ND				
Layer: Red-Brown Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>T-11</b>	01030542						
Layer: Grey Cementitious Material			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							



Tracy Mitchell, Laboratory Analyst, Las Vegas Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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Note: If e-mailing this form, please remember that this document must be signed.

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Forensic Analytical Laboratories, Inc.

Analysis Request Form (COO)

Client Name & Address: Client No.: L1349 Logistical Solutions, LLC 4780 W. Ann Road, #5-237 N. Las Vegas, NV 89031		PO/Job#: <u>CON11110</u> Date: <u>5-3-11</u>
Contact: <u>Ty Salazar</u>		Turn Around Time: <input checked="" type="checkbox"/> Same Day / <input checked="" type="checkbox"/> 1 Day / <input type="checkbox"/> 2 Day / <input type="checkbox"/> 3 Day / <input type="checkbox"/> 4 Day / <input type="checkbox"/> 5 Day
Phone: <u>7023762344</u> Fax: <u>7029741776</u>		<input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer
E-mail: <u>tsalazar@fsonow.com</u>		<input checked="" type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input type="checkbox"/> Point Count: <u>400</u> / <u>1000</u> / <input type="checkbox"/> CARB 435
Site: <u>Nevada Environmental Response Trust</u>		<input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input checked="" type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402
Site Location: <u>Former Tronox Site in Henderson NV</u>		<input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield
Comments:		<input type="checkbox"/> TLM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight %
Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-mail <input checked="" type="checkbox"/> Verbal		<input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(+/-) / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass)
		<input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot
		<input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project
		<input type="checkbox"/> Metals Analysis: Method:
		Matrix:
		Analytes:

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
T-1	5-3-11 0830	R2-C, 1" TSI/Piping, Brown	LA P C				<u>0.002</u>
T-2	5-3-11 0835	R2-C, 4" TSI/Piping, Brown	LA P C				
T-3	5-3-11 0840	R2-C, 6" TSI Piping, Dark Brown	LA P C				
T-4	5-3-11 0845	R2-C, 1" TSI/metal/Pipe, Lt Brn	LA P C				
T-5	5-3-11 0850	R2-C, 4" TSI/pipe, Multikya fiber material, Dark Brown	LA P C				
T-6	5-3-11 0855	R2-C, 4" TSI/Pipe, Dark Brn	LA P C				
T-7	5-3-11 0900	R2-C, 1" TSI/Pipe, Dark Brn/Bk	LA P C				
T-8	5-3-11 0905	R2-C, 1" TSI/Pipe, Dark Brn/Bk	LA P C				
T-9	5-3-11 0910	R2-C, Gray earth material, along fence line of Avenue F	LA P C				
T-10	5-3-11 0915	R2-C, Gray earth material, along fence line of Avenue F	LA P C				

Sampled By: <u>Ty Salazar</u>	Date: <u>5-3-11</u>	Time: <u>0930</u>
Shipped Via: <input type="checkbox"/> Fed Ex <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input checked="" type="checkbox"/> Drop Off <input type="checkbox"/> Other:		
Relinquished By: <u>Ty Salazar</u>	Relinquished By: <u>Rachel Volny</u>	Relinquished By:
Date/Time: <u>5-3-11 1032</u>	Date/Time: <u>10:35 AM 05.03.11</u>	Date/Time:
Received By:	Received By:	Received By:
Date/Time:	Date/Time:	Date/Time:
Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No	Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No	Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No

Note: If e-mailing this form, please remember that this document must be signed

Print

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Forensic Analytical Laboratories, Inc.

Analysis Request Form (COC)

Client Name & Address: Client No.: L1349 Logistical Solutions, LLC 4780 W. Ann Road, #5-237 N. Las Vegas, NV 89031		PO/Job#: <u>CON111106</u> Date: <u>5-3-11</u>
Contact: Ty Salazar		Turn Around Time: <input checked="" type="checkbox"/> Same Day / <input type="checkbox"/> 1Day / <input type="checkbox"/> 2Day / <input type="checkbox"/> 3Day / <input type="checkbox"/> 4Day / <input type="checkbox"/> 5Day
Phone: 7023762344 Fax: 7029741776		<input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer
E-mail: tsalazar@losnow.com		<input checked="" type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input type="checkbox"/> Point Count: 400 / 1000 / <input type="checkbox"/> CARB 435
Site: <u>Nevada Environmental Response Trust</u>		<input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402
Site Location: <u>Fane Tirona Site in Henderson, NV</u>		<input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield
Comments:		<input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight %
		<input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual(4-) / <input type="checkbox"/> D5755(st/area) / <input type="checkbox"/> D5756(st/mass)
		<input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot
		<input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project
		<input type="checkbox"/> Metals Analysis: Method:
		Matrix:
		Analytes:
		Report Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-Mail <input checked="" type="checkbox"/> Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
T-11	5-3-11 0920	R2-C, Gray catch material, along fence line of Avenue F	A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				

Sampled By: <u>Ty L Salazar</u> Date: <u>5-3-11</u> Time: <u>0730</u>		
Shipped Via: <input type="checkbox"/> FedEx <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other:		
Relinquished By: <u>[Signature]</u> Date/Time: <u>5/3/11 1032</u>	Relinquished By:	Relinquished By:
Received By: <u>Rachel Kelly</u> Date/Time: <u>10:35 AM 05-03-11</u>	Received By:	Received By:
Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No	Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No



# Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Logistical Solutions, LLC  
Ty Salazar  
4780 W. Ann Road  
Suite 5-237  
N. Las Vegas, NV 89031

**Client ID:** L1349  
**Report Number:** B148851  
**Date Received:** 05/04/11  
**Date Analyzed:** 05/04/11  
**Date Printed:** 05/04/11  
**First Reported:** 05/04/11

**Job ID/Site:** CON11106; Nevada Environmental Response Trust +; Former Tronox Site in Henderson, NV  
**Date(s) Collected:** 05/04/2011

**FALI Job ID:** L1349  
**Total Samples Submitted:** 13  
**Total Samples Analyzed:** 13

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
<b>T-12</b>	01030562						
Layer: Beige Fibrous Material			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Fibrous Glass (80 %)							
<b>T-13</b>	01030563						
Layer: Black Fibrous Material			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (5 %)	Fibrous Glass (70 %)						
<b>T-14</b>	01030564						
Layer: Black Fibrous Material			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)	Fibrous Glass (75 %)						
<b>T-15</b>	01030565						
Layer: Black Fibrous Material			<b>ND</b>				
Layer: Red-Brown Non-Fibrous Material			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)	Fibrous Glass (75 %)						
<b>T-16</b>	01030566						
Layer: Brown/White Semi-Fibrous Material			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (25 %)							
<b>T-17</b>	01030567						
Layer: Brown/White Semi-Fibrous Material			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (25 %)							
<b>T-18</b>	01030568						
Layer: Black Semi-Fibrous Material			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (25 %)							

Client Name: Logistical Solutions, LLC

Report Number: B148851

Date Printed: 05/04/11

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
<b>T-19</b>	01030569						
Layer: Black Semi-Fibrous Material			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (25 %)							
<b>T-20</b>	01030570						
Layer: Red-Brown Non-Fibrous Material			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>T-21</b>	01030571						
Layer: Red-Brown Non-Fibrous Material			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>T-22</b>	01030572						
Layer: Red-Brown Non-Fibrous Material			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>T-23</b>	01030573						
Layer: Paint			<b>ND</b>				
Layer: Black Tar			<b>ND</b>				
Layer: Black Felt			<b>ND</b>				
Layer: Black Tar			<b>ND</b>				
Layer: Black Felt			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (55 %)      Fibrous Glass (10 %)							
<b>T-24</b>	01030574						
Layer: Black Semi-Fibrous Material			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (25 %)							



Tracy Mitchell, Laboratory Analyst, Las Vegas Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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1 of 2

Client Name & Address: **Logistical Solutions Client #1349**  
 4780 W. Ann Rd, Suite 5-237  
 N. Las Vegas, NV. 89031

PO/Job#: **CON111106** Date: **5/4/11**

Turn Around Time:  Same Day /  1Day /  2Day /  3Day /  4Day /  5Day

PCM:  NIOSH 7400A /  NIOSH 7400B  Rotometer

PLM:  Standard /  Point Count 400 / 1000 /  CARB 435

Contact: **Ty Salazar**

Phone: **702-374-2344** Fax: **702-974-1776**

E-mail: **tsalazar@losorow.com**

Site: **Nevada Environmental Response Trust**

Site Location: **Former Tronox Site in Henderson NV**

IAQ Particle Identification (PLM LAB)  PLM Opaques/Soot   
 Particle Identification (TEM LAB)  Special Project

TEM Air:  AHERA /  Yamate2 /  NIOSH 7402  
 TEM Bulk:  Quantitative /  Qualitative /  Chatfield  
 TEM Water:  Potable /  Non-Potable /  Weight %  
 TEM Microvac:  Qual(+/-) /  D5755(str/area) /  D5756(str/mass)

Metals Analysis: Method: \_\_\_\_\_  
 Matrix: \_\_\_\_\_  
 Analytes: \_\_\_\_\_

Comments: \_\_\_\_\_

Report Via:  Fax  E-Mail  Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
T-12	1200 5-4-11	R2-C 4" TSE Pipe along Ave F, Farthest West	IA P TC				
T-13	1205 5-4-11	" " " " " " " "	IA P TC				
T-14	1210 5-4-11	" " " " " " " "	IA P TC				
T-15	1215 5-4-11	" " " " " " " "	IA P TC				
T-16	1220 5-4-11	R2-C 6" pipe / TSE, Bottom ~20 ft from fence area, further west	IA P TC				
T-17	1225 5-4-11	" " " " " " " "	IA P TC				
T-18	1230 5-4-11	" " " " " " " "	IA P TC				
T-19	1235 5-4-11	R2-C, 6" pipe, TOP, ~25 ft from fence area, west sample	IA P TC				
T-20	1240 5-4-11	" " " " " " " "	IA P TC				
T-21	1245 5-4-11	R2-C, 4" piping in box of 3 pipes, west end. ~25 ft east of fence area	IA P TC				

Sampled By: **Ty Salazar** Date: **5-4-11** Time: **1350**

Shipped Via:  Fed Ex  DHL  UPS  US Mail  Courier  Drop Off  Other:

Relinquished By: \_\_\_\_\_ Date / Time: \_\_\_\_\_

Relinquished By: \_\_\_\_\_ Date / Time: \_\_\_\_\_

Relinquished By: \_\_\_\_\_ Date / Time: \_\_\_\_\_

Received By: \_\_\_\_\_ Date / Time: \_\_\_\_\_

Received By: \_\_\_\_\_ Date / Time: \_\_\_\_\_

Received By: \_\_\_\_\_ Date / Time: \_\_\_\_\_

Condition Acceptable?  Yes  No Condition Acceptable?  Yes  No Condition Acceptable?  Yes  No



Client Name & Address: Logistech Solutions PO/Job#: CO111106 Date: 5/4/11

Turn Around Time:  Same Day /  1Day /  2Day /  3Day /  4Day /  5Day

PCM:  NIOSH 7400A /  NIOSH 7400B  Rotometer

PLM:  Standard /  Point Count 400 / 1000 /  CARB 435

Contact: [Signature]

Phone: [Signature] Fax: [Signature]

E-mail: [Signature]

Site: [Signature]

Site Location: [Signature]

Comments: [Signature]

Report Via:  Fax  E-Mail  Verbal

TEM Air:  AHERA /  Yamate2 /  NIOSH 7402  
 TEM Bulk:  Quantitative /  Qualitative /  Chatfield  
 TEM Water:  Potable /  Non-Potable /  Weight %  
 TEM Microvac:  Qual(+/-) /  D5755(str/area) /  D5756(str/mass)

IAQ Particle Identification (PLM LAB)  PLM Opaques/Soot  
 Particle Identification (TEM LAB)  Special Project

Metals Analysis: Method: \_\_\_\_\_  
 Matrix: \_\_\_\_\_  
 Analytes: \_\_\_\_\_

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
T-22	1250 5-4-11	R2-C, 4" piping in box of 3 pipes, west end. ~25 ft east of fence area (SOUTH PIPE)	A P C				
T-23	1255 5-4-11	R2-C, 4" pipe/TSE next to tank structure, along fence area to the east western sample	A P C				
T-24	1300 5-4-11	" " " " Eastern Sample	A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				

Sampled By: TJ Salzman Date: 5/4/11 Time: 1350

Shipped Via:  Fed Ex  DHL  UPS  US Mail  Courier  Drop Off  Other:

Relinquished By: [Signature] Date/Time: 5/4/11 1350

Received By: [Signature] Date/Time: 5/4/11 1350

Condition Acceptable?  Yes  No



June 28, 2011

**TestAmerica Project Number: G1F080480**

PO/Contract:

John Pekala  
ENVIRON International Corp.  
1702 E. Highland Avenue Suite  
Phoenix, AZ 85016

Dear Mr. Pekala,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on June 9, 2011. These samples are associated with your 21-26719E, ENVIRON project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4383.

Sincerely,



DAVID R. ALLTUCKER  
Project Manager

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# TestAmerica West Sacramento Project Number G1F080480

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

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Sample Data Sheets

Method Blank Report

Laboratory QC Reports

SOLID, 8081A, Pesticides

Samples: 1, 2, 3, 4

Sample Data Sheets

Method Blank Report

Laboratory QC Reports

SOLID, 8270C, SVOCs

Samples: 1, 2, 3, 4

Sample Data Sheets

Method Blank Report

Laboratory QC Reports

Metals - Various Methods

Samples: 1, 2, 3, 4

Sample Data Sheets

Method Blank Report

Laboratory QC Reports

SOLID, D 2216-90, Moisture, Percent

Samples: 1, 2, 3, 4

Sample Data Sheets

Laboratory QC Reports

## Case Narrative

### TestAmerica West Sacramento Project Number G1F080480

#### **SOLID, 8260B, VOA**

Sample(s): 1, 2, 3, 4

The matrix spike/matrix spike duplicate (MS/MSD) associated with this extraction batch has recoveries outside the established control limits for several compounds. Acceptable laboratory control sample (LCS) data demonstrate that the analytical system is in control. This anomaly is most likely matrix related.

The internal standard (IS) 1,4-Difluorobenzene, Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 for responses for sample 1 and 3-matrix spike, and the internal standard 1,4-Dichlorobenzene-d4 recovery for sample 2 exceeded acceptance criteria of <50% of the ICAL IS response. Reanalysis confirmed results. This is due to matrix effects, and not instrument drift.

The surrogate recoveries for 4-Bromofluorobenzene in sample 4 and 2, and Dibromofluoromethane and 4-Bromofluorobenzene in sample 1 were low and outside criteria. However, the surrogate recoveries in the associated method blank and laboratory control sample (LCS) were within established control limits. The results may be biased low. The matrix effect was confirmed by re-analysis.

#### **SOLID, 8081A, Pesticides**

Sample(s): 1, 2, 3, 4

Samples were diluted due to matrix effect observed during the screening analysis. The reporting limits have been raised accordingly. The extracts had the color of coffee and sediment in bottom of test tubes.

The percent difference values for analytes listed below are above the method acceptance limits in the continuing calibration standard for STX-CLP I confirmation column, indicating a high bias. The standard was analyzed before and after the associated samples. All associated samples were analyzed on an instrument with acceptable opening PEM, initial and closing CCV on STX-CLP II primary column. As the samples are reported from the primary column, and the sample hits confirm within 40% of the confirmation column, no reanalysis was performed.

beta-BHC and 4,4-DDE, analyzed June 21, 2011 at 11:32.

beta-BHC and 4,4-DDE, analyzed June 21, 2011 at 18:38.

## Case Narrative

### TestAmerica West Sacramento Project Number G1F080480

#### **SOLID, 8270C, SVOCs**

Sample(s): 1, 2, 3, 4

Due to inherent matrix effects, the sample could not be concentrated to the final method required volume of 1mL. The samples were taken to a final volume of 15mL with a 1mL aliquot taken for analysis. Since this is an effective dilution, the final reporting limits were raised proportionately.

There were no other anomalies associated with this project.

## TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
A2LA (DoD-ELAP)	2928-01	New Mexico	NA
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania*	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas*	T104704399-08-TX
Connecticut	PH-0691	UCMR	CA00044
Florida*	E87570	US Fish & Wildlife	LE148388-0
Georgia	960	USDA Foreign Plant	37-82605
Guam	10-009r	USDA Foreign Soil	P330-09-00055
Hawaii	NA	Utah*	QUAN1
Illinois*	002701	Virginia	178
Kansas*	E-10375	Washington	C581
Louisiana*	01944	West Virginia	9930C, 334
Michigan	9947	Wisconsin	998204680
Nevada	CA44	Wyoming	8TMS-Q
New Jersey*	CA005		

\*NELAP accredited. A more detailed parameter list is available upon request. *Updated 5/25/2011*

### QC Parameter Definitions

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):** An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

## Sample Summary

### TestAmerica West Sacramento Project Number G1F080480

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
MJ338	1	SP-C24-1A	6/8/2011 12:55 PM	6/9/2011 09:15 AM
MJ339	2	SP-C24-1B	6/8/2011 01:10 PM	6/9/2011 09:15 AM
MJ34A	3	SP-C24-1C	6/8/2011 01:25 PM	6/9/2011 09:15 AM
MJ34C	4	SP-C24-1D	6/8/2011 01:35 PM	6/9/2011 09:15 AM

#### Notes(s):

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



# ENVIRON

8001 Shelburne Street, Suite 700  
 Emeryville, California 94608  
 (510) 655-7400  
 (510) 655-9517 (fax)

# CHAIN-OF-CUSTODY

03219

PROJECT NAME / FACILITY ID: NERT FIELD PERSON: M. VERDEYEN / B. WESTWORTH  
 PROJECT NUMBER: 21-26719E DATE: 6/8/11 PROJECT MANAGER: J. PEKALA  
 PROJECT LOCATION: HENDERSON, NV LABORATORY: TEST AMERICA

IS THIS A UST PROJECT OR IS EDF REQUIRED?  N  Y IF YES, GLOBAL ID #: WO#: 21-26719E

SAMPLER: SIGNATURE:	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH	MATRIX (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED				COMMENTS			
									PCB & METALS (6010B/6020)	VOCs (8260B)	DEHS (8270)	TCRP extractions (8081)				
<u>M. Verderyen</u>	2011	6/8	12:55	-	S	4	U	N	X	X	X	X	* Pls composite the 4 jars from each sample @ lab			
<u>[Signature]</u>			13:10						X	X	X	X				
			13:15						X	X	X	X				
		6/8	13:35	-	S	4	U	N	X	X	X	X	Questions to Dan 510-420-2563 Results to Dan Clark dclark@environcorp.com John Petkala jpetkala@environcorp.com			
<b>Hold ALL SAMPLES UNTIL FURTHER INSTRUCTION</b>																
TOTAL										X	X	X	X	16	X	X

RELINQUISHED BY: M. Verderyen TIME/DATE: 1:29/6-8-11 RECEIVED BY: [Signature] TIME/DATE: 1:00/6/11

RELINQUISHED BY: [Signature] TIME/DATE: 6-8-11 RECEIVED BY: [Signature] TIME/DATE: 6-8-11

RELINQUISHED BY: [Signature] TIME/DATE: 6-8-11 RECEIVED BY: [Signature] TIME/DATE: 6-8-11

TURNAROUND TIME (CIRCLE ONE): 72 HOURS, 24 HOURS, 48 HOURS

IF SEALED, SEAL INTEGRITY: SAMPLE INTEGRITY (INTACT: Y N Temp: )

**SOLID, 8260B, VOA**

ENVIRON International Corp.

Client Sample ID: SP-C24-1A

GC/MS Volatiles

Lot-Sample #...: G1F080480-001    Work Order #...: MJ3381AA    Matrix.....: SO  
 Date Sampled...: 06/08/11    Date Received...: 06/09/11  
 Prep Date.....: 06/21/11    Analysis Date...: 06/21/11  
 Prep Batch #...: 1173053  
 Dilution Factor: 1  
 % Moisture.....: 8.0    Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acetone	ND	22	ug/kg	1.5
Benzene	ND	5.4	ug/kg	0.28
Bromobenzene	ND	5.4	ug/kg	0.57
Bromochloromethane	ND	5.4	ug/kg	1.0
Bromodichloromethane	ND	5.4	ug/kg	0.58
Bromoform	ND	5.4	ug/kg	0.43
Bromomethane	ND	5.4	ug/kg	0.93
t-Butanol	ND	270	ug/kg	33
2-Butanone (MEK)	ND	11	ug/kg	1.5
n-Butylbenzene	ND	5.4	ug/kg	0.72
sec-Butylbenzene	ND	5.4	ug/kg	0.82
tert-Butylbenzene	ND	5.4	ug/kg	0.59
Carbon tetrachloride	ND	5.4	ug/kg	0.58
Chlorobenzene	ND	5.4	ug/kg	0.32
Dibromochloromethane	ND	5.4	ug/kg	0.23
Chloroethane	ND	5.4	ug/kg	0.49
Chloroform	ND	5.4	ug/kg	0.28
Chloromethane	ND	5.4	ug/kg	0.54
2-Chlorotoluene	ND	5.4	ug/kg	0.67
4-Chlorotoluene	ND	5.4	ug/kg	0.93
1,2-Dibromo-3-chloropropane (DBCP)	ND	11	ug/kg	0.96
1,2-Dibromoethane	ND	11	ug/kg	0.29
Dibromomethane	ND	5.4	ug/kg	0.63
<b>1,2-Dichlorobenzene</b>	<b>22</b>	<b>5.4</b>	<b>ug/kg</b>	<b>0.70</b>
1,3-Dichlorobenzene	ND	5.4	ug/kg	0.33
<b>1,4-Dichlorobenzene</b>	<b>64</b>	<b>5.4</b>	<b>ug/kg</b>	<b>0.85</b>
Dichlorodifluoromethane	ND	5.4	ug/kg	0.97
1,1-Dichloroethane	ND	5.4	ug/kg	0.32
1,2-Dichloroethane	ND	5.4	ug/kg	0.79
cis-1,2-Dichloroethene	ND	5.4	ug/kg	0.97
trans-1,2-Dichloroethene	ND	5.4	ug/kg	0.41
1,1-Dichloroethene	ND	5.4	ug/kg	0.28
1,2-Dichloropropane	ND	5.4	ug/kg	0.65
1,3-Dichloropropane	ND	5.4	ug/kg	0.62
2,2-Dichloropropane	ND	5.4	ug/kg	0.41
cis-1,3-Dichloropropene	ND	5.4	ug/kg	0.70
trans-1,3-Dichloropropene	ND	5.4	ug/kg	0.82

(Continued on next page)

ENVIRON International Corp.

Client Sample ID: SP-C24-1A

GC/MS Volatiles

Lot-Sample #...: G1F080480-001 Work Order #...: MJ3381AA Matrix.....: SO

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	5.4	ug/kg	0.40
Diisopropyl ether	ND	11	ug/kg	5.4
1,4-Dioxane	ND	270	ug/kg	42
Tert-amyl methyl ether	ND	11	ug/kg	5.4
Tert-butyl ethyl ether	ND	11	ug/kg	5.4
Hexachlorobutadiene	ND	5.4	ug/kg	0.36
2-Hexanone	ND	11	ug/kg	0.80
Isopropylbenzene	ND	5.4	ug/kg	0.57
p-Isopropyltoluene	ND	5.4	ug/kg	0.68
Methylene chloride	ND	11	ug/kg	0.91
4-Methyl-2-pentanone (MIBK)	ND	11	ug/kg	1.0
Methyl tert-butyl ether (MTBE)	ND	11	ug/kg	0.65
Naphthalene	ND	5.4	ug/kg	0.68
n-Propylbenzene	ND	5.4	ug/kg	0.32
Styrene	ND	5.4	ug/kg	0.34
1,1,1,2-Tetrachloroethane	ND	5.4	ug/kg	0.45
1,1,2,2-Tetrachloroethane	ND	5.4	ug/kg	0.74
Tetrachloroethene	ND	5.4	ug/kg	0.66
Toluene	ND	5.4	ug/kg	0.66
1,2,3-Trichlorobenzene	ND	5.4	ug/kg	0.82
1,2,4-Trichloro- benzene	ND	5.4	ug/kg	0.82
1,1,1-Trichloroethane	ND	5.4	ug/kg	0.39
1,1,2-Trichloroethane	ND	5.4	ug/kg	0.48
Trichloroethene	ND	5.4	ug/kg	0.65
Trichlorofluoromethane (Freon 11)	ND	5.4	ug/kg	0.37
1,2,3-Trichloropropane	ND	5.4	ug/kg	0.83
1,2,4-Trimethylbenzene	ND	5.4	ug/kg	0.55
1,3,5-Trimethylbenzene	ND	5.4	ug/kg	0.38
Vinyl chloride	ND	5.4	ug/kg	0.39
m-Xylene & p-Xylene	ND	5.4	ug/kg	0.88
o-Xylene	ND	5.4	ug/kg	0.36

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	75	(55 - 129)
1,2-Dichloroethane-d4	91	(32 - 156)
Toluene-d8	80	(63 - 138)
4-Bromofluorobenzene	49 *	(63 - 143)

NOTE (S) :

\* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

ENVIRON International Corp.

Client Sample ID: SP-C24-1B

GC/MS Volatiles

Lot-Sample #....: G1F080480-002    Work Order #....: MJ3391AA    Matrix.....: SO  
 Date Sampled....: 06/08/11    Date Received...: 06/09/11  
 Prep Date.....: 06/21/11    Analysis Date...: 06/21/11  
 Prep Batch #....: 1173053  
 Dilution Factor: 1  
 % Moisture.....: 8.4    Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
<b>Acetone</b>	<b>14 J</b>	<b>22</b>	<b>ug/kg</b>	<b>1.5</b>
Benzene	ND	5.5	ug/kg	0.28
Bromobenzene	ND	5.5	ug/kg	0.57
Bromochloromethane	ND	5.5	ug/kg	1.0
Bromodichloromethane	ND	5.5	ug/kg	0.58
Bromoform	ND	5.5	ug/kg	0.44
Bromomethane	ND	5.5	ug/kg	0.94
t-Butanol	ND	270	ug/kg	33
2-Butanone (MEK)	ND	11	ug/kg	1.5
n-Butylbenzene	ND	5.5	ug/kg	0.72
sec-Butylbenzene	ND	5.5	ug/kg	0.82
tert-Butylbenzene	ND	5.5	ug/kg	0.59
Carbon tetrachloride	ND	5.5	ug/kg	0.58
Chlorobenzene	ND	5.5	ug/kg	0.32
Dibromochloromethane	ND	5.5	ug/kg	0.23
Chloroethane	ND	5.5	ug/kg	0.49
Chloroform	ND	5.5	ug/kg	0.28
Chloromethane	ND	5.5	ug/kg	0.55
2-Chlorotoluene	ND	5.5	ug/kg	0.68
4-Chlorotoluene	ND	5.5	ug/kg	0.94
1,2-Dibromo-3-chloropropane (DBCP)	ND	11	ug/kg	0.96
1,2-Dibromoethane	ND	11	ug/kg	0.29
Dibromomethane	ND	5.5	ug/kg	0.63
1,2-Dichlorobenzene	ND	5.5	ug/kg	0.70
1,3-Dichlorobenzene	ND	5.5	ug/kg	0.33
<b>1,4-Dichlorobenzene</b>	<b>2.8 J</b>	<b>5.5</b>	<b>ug/kg</b>	<b>0.85</b>
Dichlorodifluoromethane	ND	5.5	ug/kg	0.97
1,1-Dichloroethane	ND	5.5	ug/kg	0.32
1,2-Dichloroethane	ND	5.5	ug/kg	0.80
cis-1,2-Dichloroethene	ND	5.5	ug/kg	0.97
trans-1,2-Dichloroethene	ND	5.5	ug/kg	0.41
1,1-Dichloroethene	ND	5.5	ug/kg	0.28
1,2-Dichloropropane	ND	5.5	ug/kg	0.65
1,3-Dichloropropane	ND	5.5	ug/kg	0.62
2,2-Dichloropropane	ND	5.5	ug/kg	0.41
cis-1,3-Dichloropropene	ND	5.5	ug/kg	0.70
trans-1,3-Dichloropropene	ND	5.5	ug/kg	0.82

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ENVIRON International Corp.

Client Sample ID: SP-C24-1B

GC/MS Volatiles

Lot-Sample #....: G1F080480-002 Work Order #....: MJ3391AA Matrix.....: SO

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	5.5	ug/kg	0.40
Diisopropyl ether	ND	11	ug/kg	5.5
1,4-Dioxane	ND	270	ug/kg	43
Tert-amyl methyl ether	ND	11	ug/kg	5.5
Tert-butyl ethyl ether	ND	11	ug/kg	5.5
Hexachlorobutadiene	ND	5.5	ug/kg	0.36
2-Hexanone	ND	11	ug/kg	0.81
Isopropylbenzene	ND	5.5	ug/kg	0.57
p-Isopropyltoluene	ND	5.5	ug/kg	0.69
Methylene chloride	ND	11	ug/kg	0.92
4-Methyl-2-pentanone (MIBK)	ND	11	ug/kg	1.0
Methyl tert-butyl ether (MTBE)	ND	11	ug/kg	0.65
Naphthalene	ND	5.5	ug/kg	0.69
n-Propylbenzene	ND	5.5	ug/kg	0.32
Styrene	ND	5.5	ug/kg	0.34
1,1,1,2-Tetrachloroethane	ND	5.5	ug/kg	0.45
1,1,2,2-Tetrachloroethane	ND	5.5	ug/kg	0.74
Tetrachloroethene	ND	5.5	ug/kg	0.67
Toluene	ND	5.5	ug/kg	0.67
1,2,3-Trichlorobenzene	ND	5.5	ug/kg	0.82
1,2,4-Trichloro- benzene	ND	5.5	ug/kg	0.82
1,1,1-Trichloroethane	ND	5.5	ug/kg	0.39
1,1,2-Trichloroethane	ND	5.5	ug/kg	0.48
Trichloroethene	ND	5.5	ug/kg	0.65
Trichlorofluoromethane (Freon 11)	ND	5.5	ug/kg	0.37
1,2,3-Trichloropropane	ND	5.5	ug/kg	0.83
1,2,4-Trimethylbenzene	ND	5.5	ug/kg	0.56
1,3,5-Trimethylbenzene	ND	5.5	ug/kg	0.38
Vinyl chloride	ND	5.5	ug/kg	0.39
m-Xylene & p-Xylene	ND	5.5	ug/kg	0.88
o-Xylene	ND	5.5	ug/kg	0.36

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	104	(55 - 129)
1,2-Dichloroethane-d4	99	(32 - 156)
Toluene-d8	86	(63 - 138)
4-Bromofluorobenzene	69	(63 - 143)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.



ENVIRON International Corp.

Client Sample ID: SP-C24-1C

GC/MS Volatiles

Lot-Sample #...: G1F080480-003    Work Order #...: MJ34A1AA    Matrix.....: SO  
 Date Sampled...: 06/08/11    Date Received...: 06/09/11  
 Prep Date.....: 06/21/11    Analysis Date...: 06/21/11  
 Prep Batch #...: 1173053  
 Dilution Factor: 1  
 % Moisture.....: 10    Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acetone	6.7 J	22	ug/kg	1.6
Benzene	ND	5.6	ug/kg	0.29
Bromobenzene	ND	5.6	ug/kg	0.58
Bromochloromethane	ND	5.6	ug/kg	1.0
Bromodichloromethane	ND	5.6	ug/kg	0.59
Bromoform	ND	5.6	ug/kg	0.45
Bromomethane	ND	5.6	ug/kg	0.96
t-Butanol	ND	280	ug/kg	34
2-Butanone (MEK)	ND	11	ug/kg	1.6
n-Butylbenzene	ND	5.6	ug/kg	0.74
sec-Butylbenzene	ND	5.6	ug/kg	0.84
tert-Butylbenzene	ND	5.6	ug/kg	0.60
Carbon tetrachloride	ND	5.6	ug/kg	0.59
Chlorobenzene	ND	5.6	ug/kg	0.32
Dibromochloromethane	ND	5.6	ug/kg	0.23
Chloroethane	ND	5.6	ug/kg	0.50
Chloroform	ND	5.6	ug/kg	0.29
Chloromethane	ND	5.6	ug/kg	0.56
2-Chlorotoluene	ND	5.6	ug/kg	0.69
4-Chlorotoluene	ND	5.6	ug/kg	0.96
1,2-Dibromo-3-chloropropane (DBCP)	ND	11	ug/kg	0.98
1,2-Dibromoethane	ND	11	ug/kg	0.30
Dibromomethane	ND	5.6	ug/kg	0.65
1,2-Dichlorobenzene	ND	5.6	ug/kg	0.71
1,3-Dichlorobenzene	ND	5.6	ug/kg	0.34
1,4-Dichlorobenzene	ND	5.6	ug/kg	0.87
Dichlorodifluoromethane	ND	5.6	ug/kg	0.99
1,1-Dichloroethane	ND	5.6	ug/kg	0.32
1,2-Dichloroethane	ND	5.6	ug/kg	0.82
cis-1,2-Dichloroethene	ND	5.6	ug/kg	0.99
trans-1,2-Dichloroethene	ND	5.6	ug/kg	0.42
1,1-Dichloroethene	ND	5.6	ug/kg	0.29
1,2-Dichloropropane	ND	5.6	ug/kg	0.67
1,3-Dichloropropane	ND	5.6	ug/kg	0.64
2,2-Dichloropropane	ND	5.6	ug/kg	0.42
cis-1,3-Dichloropropene	ND	5.6	ug/kg	0.71
trans-1,3-Dichloropropene	ND	5.6	ug/kg	0.84

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ENVIRON International Corp.

Client Sample ID: SP-C24-1C

GC/MS Volatiles

Lot-Sample #...: G1F080480-003 Work Order #...: MJ34A1AA Matrix.....: SO

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	5.6	ug/kg	0.41
Diisopropyl ether	ND	11	ug/kg	5.6
1,4-Dioxane	ND	280	ug/kg	44
Tert-amyl methyl ether	ND	11	ug/kg	5.6
Tert-butyl ethyl ether	ND	11	ug/kg	5.6
Hexachlorobutadiene	ND	5.6	ug/kg	0.37
2-Hexanone	ND	11	ug/kg	0.83
Isopropylbenzene	ND	5.6	ug/kg	0.58
p-Isopropyltoluene	ND	5.6	ug/kg	0.70
Methylene chloride	ND	11	ug/kg	0.94
4-Methyl-2-pentanone (MIBK)	ND	11	ug/kg	1.0
Methyl tert-butyl ether (MTBE)	ND	11	ug/kg	0.67
Naphthalene	ND	5.6	ug/kg	0.70
n-Propylbenzene	ND	5.6	ug/kg	0.32
Styrene	ND	5.6	ug/kg	0.35
1,1,1,2-Tetrachloroethane	ND	5.6	ug/kg	0.46
1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg	0.76
Tetrachloroethene	ND	5.6	ug/kg	0.68
Toluene	ND	5.6	ug/kg	0.68
1,2,3-Trichlorobenzene	ND	5.6	ug/kg	0.84
1,2,4-Trichloro- benzene	ND	5.6	ug/kg	0.84
1,1,1-Trichloroethane	ND	5.6	ug/kg	0.40
1,1,2-Trichloroethane	ND	5.6	ug/kg	0.49
Trichloroethene	ND	5.6	ug/kg	0.67
Trichlorofluoromethane (Freon 11)	ND	5.6	ug/kg	0.38
1,2,3-Trichloropropane	ND	5.6	ug/kg	0.85
1,2,4-Trimethylbenzene	ND	5.6	ug/kg	0.57
1,3,5-Trimethylbenzene	ND	5.6	ug/kg	0.39
Vinyl chloride	ND	5.6	ug/kg	0.40
m-Xylene & p-Xylene	ND	5.6	ug/kg	0.90
o-Xylene	ND	5.6	ug/kg	0.37

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	104	(55 - 129)
1,2-Dichloroethane-d4	97	(32 - 156)
Toluene-d8	96	(63 - 138)
4-Bromofluorobenzene	77	(63 - 143)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

ENVIRON International Corp.

Client Sample ID: SP-C24-1D

GC/MS Volatiles

Lot-Sample #...: G1F080480-004    Work Order #...: MJ34C1AA    Matrix.....: SO  
 Date Sampled...: 06/08/11    Date Received...: 06/09/11  
 Prep Date.....: 06/21/11    Analysis Date...: 06/21/11  
 Prep Batch #...: 1173053  
 Dilution Factor: 1  
 % Moisture.....: 8.6    Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acetone	4.8 J	22	ug/kg	1.5
Benzene	ND	5.5	ug/kg	0.28
Bromobenzene	ND	5.5	ug/kg	0.57
Bromochloromethane	ND	5.5	ug/kg	1.0
Bromodichloromethane	ND	5.5	ug/kg	0.58
Bromoform	ND	5.5	ug/kg	0.44
Bromomethane	ND	5.5	ug/kg	0.94
t-Butanol	ND	270	ug/kg	33
2-Butanone (MEK)	ND	11	ug/kg	1.5
n-Butylbenzene	ND	5.5	ug/kg	0.72
sec-Butylbenzene	ND	5.5	ug/kg	0.82
tert-Butylbenzene	ND	5.5	ug/kg	0.59
Carbon tetrachloride	ND	5.5	ug/kg	0.58
Chlorobenzene	ND	5.5	ug/kg	0.32
Dibromochloromethane	ND	5.5	ug/kg	0.23
Chloroethane	ND	5.5	ug/kg	0.49
Chloroform	ND	5.5	ug/kg	0.28
Chloromethane	ND	5.5	ug/kg	0.55
2-Chlorotoluene	ND	5.5	ug/kg	0.68
4-Chlorotoluene	ND	5.5	ug/kg	0.94
1,2-Dibromo-3-chloropropane (DBCP)	ND	11	ug/kg	0.96
1,2-Dibromoethane	ND	11	ug/kg	0.30
Dibromomethane	ND	5.5	ug/kg	0.63
1,2-Dichlorobenzene	ND	5.5	ug/kg	0.70
1,3-Dichlorobenzene	ND	5.5	ug/kg	0.33
1,4-Dichlorobenzene	ND	5.5	ug/kg	0.85
Dichlorodifluoromethane	ND	5.5	ug/kg	0.97
1,1-Dichloroethane	ND	5.5	ug/kg	0.32
1,2-Dichloroethane	ND	5.5	ug/kg	0.80
cis-1,2-Dichloroethene	ND	5.5	ug/kg	0.97
trans-1,2-Dichloroethene	ND	5.5	ug/kg	0.42
1,1-Dichloroethene	ND	5.5	ug/kg	0.28
1,2-Dichloropropane	ND	5.5	ug/kg	0.66
1,3-Dichloropropane	ND	5.5	ug/kg	0.62
2,2-Dichloropropane	ND	5.5	ug/kg	0.42
cis-1,3-Dichloropropene	ND	5.5	ug/kg	0.70
trans-1,3-Dichloropropene	ND	5.5	ug/kg	0.82

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ENVIRON International Corp.

Client Sample ID: SP-C24-1D

GC/MS Volatiles

Lot-Sample #...: G1F080480-004 Work Order #...: MJ34C1AA Matrix.....: SO

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	5.5	ug/kg	0.40
Diisopropyl ether	ND	11	ug/kg	5.5
1,4-Dioxane	ND	270	ug/kg	43
Tert-amyl methyl ether	ND	11	ug/kg	5.5
Tert-butyl ethyl ether	ND	11	ug/kg	5.5
Hexachlorobutadiene	ND	5.5	ug/kg	0.36
2-Hexanone	ND	11	ug/kg	0.81
Isopropylbenzene	ND	5.5	ug/kg	0.57
p-Isopropyltoluene	ND	5.5	ug/kg	0.69
Methylene chloride	ND	11	ug/kg	0.92
4-Methyl-2-pentanone (MIBK)	ND	11	ug/kg	1.0
Methyl tert-butyl ether (MTBE)	ND	11	ug/kg	0.66
Naphthalene	ND	5.5	ug/kg	0.69
n-Propylbenzene	ND	5.5	ug/kg	0.32
Styrene	ND	5.5	ug/kg	0.34
1,1,1,2-Tetrachloroethane	ND	5.5	ug/kg	0.45
1,1,2,2-Tetrachloroethane	ND	5.5	ug/kg	0.74
Tetrachloroethene	ND	5.5	ug/kg	0.67
Toluene	ND	5.5	ug/kg	0.67
1,2,3-Trichlorobenzene	ND	5.5	ug/kg	0.82
1,2,4-Trichloro- benzene	ND	5.5	ug/kg	0.82
1,1,1-Trichloroethane	ND	5.5	ug/kg	0.39
1,1,2-Trichloroethane	ND	5.5	ug/kg	0.48
Trichloroethene	ND	5.5	ug/kg	0.66
Trichlorofluoromethane (Freon 11)	ND	5.5	ug/kg	0.37
1,2,3-Trichloropropane	ND	5.5	ug/kg	0.83
1,2,4-Trimethylbenzene	ND	5.5	ug/kg	0.56
1,3,5-Trimethylbenzene	ND	5.5	ug/kg	0.38
Vinyl chloride	ND	5.5	ug/kg	0.39
m-Xylene & p-Xylene	ND	5.5	ug/kg	0.89
o-Xylene	ND	5.5	ug/kg	0.36

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	92	(55 - 129)
1,2-Dichloroethane-d4	90	(32 - 156)
Toluene-d8	83	(63 - 138)
4-Bromofluorobenzene	66	(63 - 143)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

# QC DATA ASSOCIATION SUMMARY

G1F080480

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SO	SW846 6020		1172051	1172039
	SO	ASTM D 2216-90		1172106	
	SO	SW846 7471A		1172162	1172098
	SO	SW846 8081A		1171114	1171082
	SO	SW846 8260B		1173053	1173030
	SO	SW846 8270C		1171113	1171081
002	SO	SW846 6020		1172051	1172039
	SO	ASTM D 2216-90		1172106	
	SO	SW846 7471A		1172162	1172098
	SO	SW846 8081A		1171114	1171082
	SO	SW846 8260B		1173053	1173030
	SO	SW846 8270C		1171113	1171081
003	SO	SW846 6020		1172051	1172039
	SO	ASTM D 2216-90		1172106	
	SO	SW846 7471A		1172162	1172098
	SO	SW846 8081A		1171114	1171082
	SO	SW846 8260B		1173053	1173030
	SO	SW846 8270C		1171113	1171081
004	SO	SW846 6020		1172051	1172039
	SO	ASTM D 2216-90		1172106	
	SO	SW846 7471A		1172162	1172098
	SO	SW846 8081A		1171114	1171082
	SO	SW846 8260B		1173053	1173030
	SO	SW846 8270C		1171113	1171081

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: G1F080480  
 MB Lot-Sample #: G1F220000-053

Work Order #...: MKERQ1AA

Matrix.....: SOLID

Prep Date.....: 06/21/11

Analysis Date...: 06/21/11

Prep Batch #...: 1173053

Dilution Factor: 1

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Acetone	ND	20	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	5.0	ug/kg	SW846 8260B
t-Butanol	ND	250	ug/kg	SW846 8260B
2-Butanone (MEK)	ND	10	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	5.0	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane	ND	10	ug/kg	SW846 8260B
Dibromomethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Diisopropyl ether	ND	10	ug/kg	SW846 8260B
1,4-Dioxane	ND	250	ug/kg	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: G1F080480

Work Order #...: MKERQ1AA

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Tert-amyl methyl ether	ND	10	ug/kg	SW846 8260B
Tert-butyl ethyl ether	ND	10	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	10	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	10	ug/kg	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	10	ug/kg	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	10	ug/kg	SW846 8260B
Naphthalene	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro- benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane (Freon 11)	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	5.0	ug/kg	SW846 8260B
m-Xylene & p-Xylene	ND	5.0	ug/kg	SW846 8260B
o-Xylene	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	104	(55 - 129)
1,2-Dichloroethane-d4	102	(32 - 156)
Toluene-d8	108	(63 - 138)
4-Bromofluorobenzene	104	(63 - 143)

NOTE (S) :

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: G1F080480      Work Order #...: MKERQ1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G1F220000-053  
 Prep Date.....: 06/21/11      Analysis Date...: 06/21/11  
 Prep Batch #...: 1173053  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Acetone	93	(64 - 128)	SW846 8260B
Benzene	107	(78 - 128)	SW846 8260B
Bromobenzene	100	(67 - 132)	SW846 8260B
Bromochloromethane	107	(80 - 127)	SW846 8260B
Bromodichloromethane	105	(80 - 137)	SW846 8260B
Bromoform	100	(80 - 136)	SW846 8260B
Bromomethane	113	(48 - 164)	SW846 8260B
t-Butanol	110	(46 - 181)	SW846 8260B
2-Butanone (MEK)	90	(71 - 142)	SW846 8260B
n-Butylbenzene	102	(68 - 136)	SW846 8260B
sec-Butylbenzene	104	(68 - 131)	SW846 8260B
tert-Butylbenzene	108	(67 - 131)	SW846 8260B
Carbon tetrachloride	108	(62 - 154)	SW846 8260B
Chlorobenzene	102	(74 - 125)	SW846 8260B
Dibromochloromethane	99	(80 - 133)	SW846 8260B
Chloroethane	99	(54 - 148)	SW846 8260B
Chloroform	104	(78 - 135)	SW846 8260B
Chloromethane	90	(60 - 141)	SW846 8260B
2-Chlorotoluene	103	(64 - 127)	SW846 8260B
4-Chlorotoluene	103	(67 - 128)	SW846 8260B
1,2-Dibromo-3- chloropropane (DBCP)	84	(75 - 137)	SW846 8260B
1,2-Dibromoethane	98	(80 - 124)	SW846 8260B
Dibromomethane	106	(80 - 129)	SW846 8260B
1,2-Dichlorobenzene	100	(68 - 121)	SW846 8260B
1,3-Dichlorobenzene	102	(64 - 126)	SW846 8260B
1,4-Dichlorobenzene	102	(65 - 124)	SW846 8260B
Dichlorodifluoromethane (Freon 12)	89	(60 - 130)	SW846 8260B
1,1-Dichloroethane	103	(76 - 134)	SW846 8260B
1,2-Dichloroethane	102	(66 - 150)	SW846 8260B
cis-1,2-Dichloroethene	107	(74 - 131)	SW846 8260B
trans-1,2-Dichloroethene	100	(67 - 135)	SW846 8260B
1,1-Dichloroethene	109	(66 - 136)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: G1F080480  
 LCS Lot-Sample#: G1F220000-053

Work Order #...: MKERQ1AC

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,2-Dichloropropane	105	(80 - 129)	SW846 8260B
1,3-Dichloropropane	99	(80 - 123)	SW846 8260B
2,2-Dichloropropane	104	(69 - 153)	SW846 8260B
cis-1,3-Dichloropropene	104	(80 - 134)	SW846 8260B
trans-1,3-Dichloropropene	102	(80 - 148)	SW846 8260B
1,1-Dichloropropene	110	(76 - 132)	SW846 8260B
1,4-Dioxane	103	(47 - 151)	SW846 8260B
Hexachlorobutadiene	96	(52 - 140)	SW846 8260B
2-Hexanone	85	(78 - 143)	SW846 8260B
Isopropylbenzene	112	(69 - 137)	SW846 8260B
p-Isopropyltoluene	108	(64 - 137)	SW846 8260B
Methylene chloride	101	(77 - 125)	SW846 8260B
4-Methyl-2-pentanone (MIBK)	91	(79 - 150)	SW846 8260B
Methyl tert-butyl ether (MTBE)	98	(66 - 146)	SW846 8260B
Naphthalene	79	(53 - 140)	SW846 8260B
n-Propylbenzene	107	(63 - 128)	SW846 8260B
Styrene	104	(79 - 128)	SW846 8260B
1,1,1,2-Tetrachloroethane	104	(77 - 134)	SW846 8260B
1,1,2,2-Tetrachloroethane	96	(71 - 134)	SW846 8260B
Tetrachloroethene	108	(65 - 135)	SW846 8260B
Toluene	108	(80 - 124)	SW846 8260B
1,2,3-Trichlorobenzene	93	(54 - 140)	SW846 8260B
1,2,4-Trichloro- benzene	100	(48 - 145)	SW846 8260B
1,1,1-Trichloroethane	106	(67 - 150)	SW846 8260B
1,1,2-Trichloroethane	101	(80 - 128)	SW846 8260B
Trichloroethene	106	(80 - 126)	SW846 8260B
Trichlorofluoromethane (Freon 11)	100	(43 - 158)	SW846 8260B
1,2,3-Trichloropropane	91	(71 - 132)	SW846 8260B
1,2,4-Trimethylbenzene	104	(64 - 137)	SW846 8260B
1,3,5-Trimethylbenzene	107	(66 - 135)	SW846 8260B
Vinyl chloride	95	(67 - 127)	SW846 8260B
m-Xylene & p-Xylene	108	(73 - 128)	SW846 8260B
o-Xylene	106	(76 - 127)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: G1F080480      Work Order #...: MKERQ1AC      Matrix.....: SOLID  
LCS Lot-Sample#: G1F220000-053

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
Dibromofluoromethane	97	(55 - 129)
1,2-Dichloroethane-d4	92	(32 - 156)
Toluene-d8	94	(63 - 138)
4-Bromofluorobenzene	87	(63 - 143)

**NOTE (S) :**

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: G1F080480      Work Order #...: MKERQ1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G1F220000-053  
 Prep Date.....: 06/21/11      Analysis Date...: 06/21/11  
 Prep Batch #...: 1173053  
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acetone	40.0	37.2	ug/kg	93	SW846 8260B
Benzene	40.0	42.7	ug/kg	107	SW846 8260B
Bromobenzene	40.0	39.8	ug/kg	100	SW846 8260B
Bromochloromethane	40.0	42.7	ug/kg	107	SW846 8260B
Bromodichloromethane	40.0	41.8	ug/kg	105	SW846 8260B
Bromoform	40.0	40.0	ug/kg	100	SW846 8260B
Bromomethane	40.0	45.2	ug/kg	113	SW846 8260B
t-Butanol	1000	1100	ug/kg	110	SW846 8260B
2-Butanone (MEK)	40.0	35.9	ug/kg	90	SW846 8260B
n-Butylbenzene	40.0	40.7	ug/kg	102	SW846 8260B
sec-Butylbenzene	40.0	41.6	ug/kg	104	SW846 8260B
tert-Butylbenzene	40.0	43.2	ug/kg	108	SW846 8260B
Carbon tetrachloride	40.0	43.4	ug/kg	108	SW846 8260B
Chlorobenzene	40.0	41.0	ug/kg	102	SW846 8260B
Dibromochloromethane	40.0	39.6	ug/kg	99	SW846 8260B
Chloroethane	40.0	39.5	ug/kg	99	SW846 8260B
Chloroform	40.0	41.7	ug/kg	104	SW846 8260B
Chloromethane	40.0	36.1	ug/kg	90	SW846 8260B
2-Chlorotoluene	40.0	41.2	ug/kg	103	SW846 8260B
4-Chlorotoluene	40.0	41.3	ug/kg	103	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	40.0	33.7	ug/kg	84	SW846 8260B
1,2-Dibromoethane	40.0	39.0	ug/kg	98	SW846 8260B
Dibromomethane	40.0	42.3	ug/kg	106	SW846 8260B
1,2-Dichlorobenzene	40.0	40.2	ug/kg	100	SW846 8260B
1,3-Dichlorobenzene	40.0	40.7	ug/kg	102	SW846 8260B
1,4-Dichlorobenzene	40.0	40.8	ug/kg	102	SW846 8260B
Dichlorodifluoromethane (Freon 12)	40.0	35.6	ug/kg	89	SW846 8260B
1,1-Dichloroethane	40.0	41.3	ug/kg	103	SW846 8260B
1,2-Dichloroethane	40.0	40.7	ug/kg	102	SW846 8260B
cis-1,2-Dichloroethene	40.0	42.8	ug/kg	107	SW846 8260B
trans-1,2-Dichloroethene	40.0	40.1	ug/kg	100	SW846 8260B
1,1-Dichloroethene	40.0	43.6	ug/kg	109	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: G1F080480  
 LCS Lot-Sample#: G1F220000-053

Work Order #...: MKERQ1AC

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,2-Dichloropropane	40.0	42.1	ug/kg	105	SW846 8260B
1,3-Dichloropropane	40.0	39.5	ug/kg	99	SW846 8260B
2,2-Dichloropropane	40.0	41.5	ug/kg	104	SW846 8260B
cis-1,3-Dichloropropene	40.0	41.7	ug/kg	104	SW846 8260B
trans-1,3-Dichloropropene	40.0	40.8	ug/kg	102	SW846 8260B
1,1-Dichloropropene	40.0	44.1	ug/kg	110	SW846 8260B
1,4-Dioxane	1000	1030	ug/kg	103	SW846 8260B
Hexachlorobutadiene	40.0	38.4	ug/kg	96	SW846 8260B
2-Hexanone	40.0	34.2	ug/kg	85	SW846 8260B
Isopropylbenzene	40.0	44.9	ug/kg	112	SW846 8260B
p-Isopropyltoluene	40.0	43.1	ug/kg	108	SW846 8260B
Methylene chloride	40.0	40.5	ug/kg	101	SW846 8260B
4-Methyl-2-pentanone (MIBK)	40.0	36.3	ug/kg	91	SW846 8260B
Methyl tert-butyl ether (MTBE)	40.0	39.2	ug/kg	98	SW846 8260B
Naphthalene	40.0	31.5	ug/kg	79	SW846 8260B
n-Propylbenzene	40.0	42.9	ug/kg	107	SW846 8260B
Styrene	40.0	41.4	ug/kg	104	SW846 8260B
1,1,1,2-Tetrachloroethane	40.0	41.8	ug/kg	104	SW846 8260B
1,1,2,2-Tetrachloroethane	40.0	38.3	ug/kg	96	SW846 8260B
Tetrachloroethene	40.0	43.3	ug/kg	108	SW846 8260B
Toluene	40.0	43.3	ug/kg	108	SW846 8260B
1,2,3-Trichlorobenzene	40.0	37.3	ug/kg	93	SW846 8260B
1,2,4-Trichloro- benzene	40.0	39.9	ug/kg	100	SW846 8260B
1,1,1-Trichloroethane	40.0	42.4	ug/kg	106	SW846 8260B
1,1,2-Trichloroethane	40.0	40.4	ug/kg	101	SW846 8260B
Trichloroethene	40.0	42.3	ug/kg	106	SW846 8260B
Trichlorofluoromethane (Freon 11)	40.0	40.0	ug/kg	100	SW846 8260B
1,2,3-Trichloropropane	40.0	36.5	ug/kg	91	SW846 8260B
1,2,4-Trimethylbenzene	40.0	41.8	ug/kg	104	SW846 8260B
1,3,5-Trimethylbenzene	40.0	42.9	ug/kg	107	SW846 8260B
Vinyl chloride	40.0	38.2	ug/kg	95	SW846 8260B
m-Xylene & p-Xylene	80.0	86.5	ug/kg	108	SW846 8260B
o-Xylene	40.0	42.5	ug/kg	106	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: G1F080480  
LCS Lot-Sample#: G1F220000-053

Work Order #...: MKERQ1AC

Matrix.....: SOLID

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Dibromofluoromethane	97	(55 - 129)
1,2-Dichloroethane-d4	92	(32 - 156)
Toluene-d8	94	(63 - 138)
4-Bromofluorobenzene	87	(63 - 143)

**NOTE (S) :**

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: G1F080480      Work Order #...: MJ34A1AP-MS      Matrix.....: SO  
 MS Lot-Sample #: G1F080480-003      MJ34A1AQ-MSD  
 Date Sampled...: 06/08/11      Date Received...: 06/09/11  
 Prep Date.....: 06/21/11      Analysis Date...: 06/21/11  
 Prep Batch #...: 1173053  
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	RPD	RPD	METHOD
	RECOVERY	LIMITS		LIMITS	
Acetone	110	(64 - 128)			SW846 8260B
	90	(64 - 128)	18	(0-36)	SW846 8260B
Benzene	99	(78 - 128)			SW846 8260B
	86	(78 - 128)	15	(0-37)	SW846 8260B
Bromobenzene	105	(67 - 132)			SW846 8260B
	75	(67 - 132)	33	(0-40)	SW846 8260B
Bromochloromethane	103	(80 - 127)			SW846 8260B
	101	(80 - 127)	2.0	(0-36)	SW846 8260B
Bromodichloromethane	95	(80 - 137)			SW846 8260B
	84	(80 - 137)	11	(0-37)	SW846 8260B
Bromoform	77 a	(80 - 136)			SW846 8260B
	72 a	(80 - 136)	7.7	(0-45)	SW846 8260B
Bromomethane	110	(48 - 164)			SW846 8260B
	102	(48 - 164)	7.6	(0-38)	SW846 8260B
t-Butanol	98	(46 - 181)			SW846 8260B
	111	(46 - 181)	12	(0-68)	SW846 8260B
2-Butanone (MEK)	64 a	(71 - 142)			SW846 8260B
	55 a	(71 - 142)	15	(0-44)	SW846 8260B
n-Butylbenzene	45 a	(68 - 136)			SW846 8260B
	36 a	(68 - 136)	24	(0-37)	SW846 8260B
sec-Butylbenzene	66 a	(68 - 131)			SW846 8260B
	49 a	(68 - 131)	30	(0-40)	SW846 8260B
tert-Butylbenzene	81	(67 - 131)			SW846 8260B
	60 a	(67 - 131)	30	(0-42)	SW846 8260B
Carbon tetrachloride	101	(62 - 154)			SW846 8260B
	81	(62 - 154)	22	(0-43)	SW846 8260B
Chlorobenzene	89	(74 - 125)			SW846 8260B
	69 a	(74 - 125)	26	(0-38)	SW846 8260B
Dibromochloromethane	87	(80 - 133)			SW846 8260B
	79 a	(80 - 133)	9.2	(0-24)	SW846 8260B
Chloroethane	124	(54 - 148)			SW846 8260B
	99	(54 - 148)	23	(0-34)	SW846 8260B
Chloroform	94	(78 - 135)			SW846 8260B
	93	(78 - 135)	0.62	(0-23)	SW846 8260B
Chloromethane	119	(60 - 141)			SW846 8260B
	98	(60 - 141)	20	(0-36)	SW846 8260B
2-Chlorotoluene	97	(64 - 127)			SW846 8260B
	67	(64 - 127)	36	(0-41)	SW846 8260B
4-Chlorotoluene	92	(67 - 128)			SW846 8260B
	65 a	(67 - 128)	34	(0-40)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: G1F080480 Work Order #...: MJ34A1AP-MS Matrix.....: SO  
 MS Lot-Sample #: G1F080480-003 MJ34A1AQ-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dibromo-3-chloropropane (DBCP)	79	(75 - 137)			SW846 8260B
	81	(75 - 137)	2.2	(0-48)	SW846 8260B
1,2-Dibromoethane	100	(80 - 124)			SW846 8260B
	86	(80 - 124)	15	(0-39)	SW846 8260B
Dibromomethane	107	(80 - 129)			SW846 8260B
	95	(80 - 129)	12	(0-37)	SW846 8260B
1,2-Dichlorobenzene	63 a	(68 - 121)			SW846 8260B
	53 a	(68 - 121)	18	(0-28)	SW846 8260B
1,3-Dichlorobenzene	74	(64 - 126)			SW846 8260B
	58 a	(64 - 126)	25	(0-41)	SW846 8260B
1,4-Dichlorobenzene	75	(65 - 124)			SW846 8260B
	57 a	(65 - 124)	28	(0-38)	SW846 8260B
Dichlorodifluoromethane (Freon 12)	126	(60 - 130)			SW846 8260B
	87	(60 - 130)	37	(0-46)	SW846 8260B
1,1-Dichloroethane	100	(76 - 134)			SW846 8260B
	96	(76 - 134)	4.8	(0-24)	SW846 8260B
1,2-Dichloroethane	96	(66 - 150)			SW846 8260B
	91	(66 - 150)	4.9	(0-36)	SW846 8260B
cis-1,2-Dichloroethene	99	(74 - 131)			SW846 8260B
	95	(74 - 131)	3.8	(0-37)	SW846 8260B
trans-1,2-Dichloroethene	102	(67 - 135)			SW846 8260B
	90	(67 - 135)	12	(0-37)	SW846 8260B
1,1-Dichloroethene	128	(66 - 136)			SW846 8260B
	98	(66 - 136)	27	(0-42)	SW846 8260B
1,2-Dichloropropane	103	(80 - 129)			SW846 8260B
	88	(80 - 129)	16	(0-38)	SW846 8260B
1,3-Dichloropropane	106	(80 - 123)			SW846 8260B
	87	(80 - 123)	19	(0-39)	SW846 8260B
2,2-Dichloropropane	111	(69 - 153)			SW846 8260B
	91	(69 - 153)	20	(0-47)	SW846 8260B
cis-1,3-Dichloropropene	97	(80 - 134)			SW846 8260B
	73 a	(80 - 134)	28	(0-39)	SW846 8260B
trans-1,3-Dichloropropene	100	(80 - 148)			SW846 8260B
	74 a	(80 - 148)	30	(0-42)	SW846 8260B
1,1-Dichloropropene	92	(76 - 132)			SW846 8260B
	79	(76 - 132)	15	(0-38)	SW846 8260B
1,4-Dioxane	132	(47 - 151)			SW846 8260B
	113	(47 - 151)	16	(0-48)	SW846 8260B

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**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**GC/MS Volatiles**

Client Lot #...: G1F080480      Work Order #...: MJ34A1AP-MS      Matrix.....: SO  
 MS Lot-Sample #: G1F080480-003      MJ34A1AQ-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Hexachlorobutadiene	33 a	(52 - 140)			SW846 8260B
	28 a	(52 - 140)	18	(0-38)	SW846 8260B
2-Hexanone	26 a	(78 - 143)			SW846 8260B
	31 a	(78 - 143)	20	(0-73)	SW846 8260B
Isopropylbenzene	70	(69 - 137)			SW846 8260B
	54 a	(69 - 137)	26	(0-41)	SW846 8260B
p-Isopropyltoluene	65	(64 - 137)			SW846 8260B
	51 a	(64 - 137)	25	(0-40)	SW846 8260B
Methylene chloride	114	(77 - 125)			SW846 8260B
	102	(77 - 125)	12	(0-25)	SW846 8260B
4-Methyl-2-pentanone (MIBK)	51 a	(79 - 150)			SW846 8260B
	50 a	(79 - 150)	2.8	(0-48)	SW846 8260B
Methyl tert-butyl ether (MTBE)	85	(66 - 146)			SW846 8260B
	103	(66 - 146)	18	(0-45)	SW846 8260B
Naphthalene	26 a	(53 - 140)			SW846 8260B
	30 a	(53 - 140)	15	(0-46)	SW846 8260B
n-Propylbenzene	93	(63 - 128)			SW846 8260B
	63	(63 - 128)	39	(0-42)	SW846 8260B
Styrene	73 a	(79 - 128)			SW846 8260B
	59 a	(79 - 128)	21	(0-40)	SW846 8260B
1,1,1,2-Tetrachloroethane	81	(77 - 134)			SW846 8260B
	75 a	(77 - 134)	7.4	(0-25)	SW846 8260B
1,1,2,2-Tetrachloroethane	120	(71 - 134)			SW846 8260B
	97	(71 - 134)	22	(0-31)	SW846 8260B
Tetrachloroethene	89	(65 - 135)			SW846 8260B
	67	(65 - 135)	28	(0-39)	SW846 8260B
Toluene	107	(80 - 124)			SW846 8260B
	74 a	(80 - 124)	37	(0-39)	SW846 8260B
1,2,3-Trichlorobenzene	24 a	(54 - 140)			SW846 8260B
	26 a	(54 - 140)	11	(0-42)	SW846 8260B
1,2,4-Trichloro- benzene	31 a	(48 - 145)			SW846 8260B
	30 a	(48 - 145)	2.4	(0-39)	SW846 8260B
1,1,1-Trichloroethane	108	(67 - 150)			SW846 8260B
	87	(67 - 150)	22	(0-43)	SW846 8260B
1,1,2-Trichloroethane	112	(80 - 128)			SW846 8260B
	84	(80 - 128)	28	(0-41)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: G1F080480      Work Order #...: MJ34A1AP-MS      Matrix.....: SO  
 MS Lot-Sample #: G1F080480-003      MJ34A1AQ-MSD

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Trichloroethene	91	(80 - 126)			SW846 8260B
	75 a	(80 - 126)	19	(0-40)	SW846 8260B
Trichlorofluoromethane (Freon 11)	122	(43 - 158)			SW846 8260B
	93	(43 - 158)	27	(0-32)	SW846 8260B
1,2,3-Trichloropropane	122	(71 - 132)			SW846 8260B
	104	(71 - 132)	16	(0-41)	SW846 8260B
1,2,4-Trimethylbenzene	64	(64 - 137)			SW846 8260B
	47 a	(64 - 137)	31	(0-41)	SW846 8260B
1,3,5-Trimethylbenzene	78	(66 - 135)			SW846 8260B
	56 a	(66 - 135)	33	(0-42)	SW846 8260B
Vinyl chloride	129 a	(67 - 127)			SW846 8260B
	102	(67 - 127)	23	(0-37)	SW846 8260B
m-Xylene & p-Xylene	83	(73 - 128)			SW846 8260B
	62 a	(73 - 128)	28	(0-40)	SW846 8260B
o-Xylene	77	(76 - 127)			SW846 8260B
	62 a	(76 - 127)	23	(0-40)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	90	(55 - 129)
	95	(55 - 129)
1,2-Dichloroethane-d4	92	(32 - 156)
	91	(32 - 156)
Toluene-d8	105	(63 - 138)
	80	(63 - 138)
4-Bromofluorobenzene	73	(63 - 143)
	65	(63 - 143)

NOTE(S) :

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: G1F080480      Work Order #...: MJ34A1AP-MS      Matrix.....: SO  
 MS Lot-Sample #: G1F080480-003      MJ34A1AQ-MSD  
 Date Sampled...: 06/08/11      Date Received...: 06/09/11  
 Prep Date.....: 06/21/11      Analysis Date...: 06/21/11  
 Prep Batch #...: 1173053  
 Dilution Factor: 1

PARAMETER	SAMPLE	SPIKE	MEASRD	UNITS	PERCNT		METHOD
	AMOUNT	AMT	AMOUNT		RECVRY	RPD	
Acetone	6.7	44.7	56.0	ug/kg	110		SW846 8260B
	6.7	44.7	47.0	ug/kg	90	18	SW846 8260B
Benzene	ND	44.7	44.4	ug/kg	99		SW846 8260B
	ND	44.7	38.3	ug/kg	86	15	SW846 8260B
Bromobenzene	ND	44.7	46.7	ug/kg	105		SW846 8260B
	ND	44.7	33.5	ug/kg	75	33	SW846 8260B
Bromochloromethane	ND	44.7	46.2	ug/kg	103		SW846 8260B
	ND	44.7	45.3	ug/kg	101	2.0	SW846 8260B
Bromodichloromethane	ND	44.7	42.2	ug/kg	95		SW846 8260B
	ND	44.7	37.7	ug/kg	84	11	SW846 8260B
Bromoform	ND	44.7	34.5	ug/kg	77 a		SW846 8260B
	ND	44.7	32.0	ug/kg	72 a	7.7	SW846 8260B
Bromomethane	ND	44.7	49.2	ug/kg	110		SW846 8260B
	ND	44.7	45.6	ug/kg	102	7.6	SW846 8260B
t-Butanol	ND	1120	1100	ug/kg	98		SW846 8260B
	ND	1120	1240	ug/kg	111	12	SW846 8260B
2-Butanone (MEK)	ND	44.7	28.5	ug/kg	64 a		SW846 8260B
	ND	44.7	24.5	ug/kg	55 a	15	SW846 8260B
n-Butylbenzene	ND	44.7	20.3	ug/kg	45 a		SW846 8260B
	ND	44.7	15.9	ug/kg	36 a	24	SW846 8260B
sec-Butylbenzene	ND	44.7	29.6	ug/kg	66 a		SW846 8260B
	ND	44.7	21.8	ug/kg	49 a	30	SW846 8260B
tert-Butylbenzene	ND	44.7	36.2	ug/kg	81		SW846 8260B
	ND	44.7	26.7	ug/kg	60 a	30	SW846 8260B
Carbon tetrachloride	ND	44.7	45.3	ug/kg	101		SW846 8260B
	ND	44.7	36.1	ug/kg	81	22	SW846 8260B
Chlorobenzene	ND	44.7	39.9	ug/kg	89		SW846 8260B
	ND	44.7	30.8	ug/kg	69 a	26	SW846 8260B
Dibromochloromethane	ND	44.7	38.7	ug/kg	87		SW846 8260B
	ND	44.7	35.3	ug/kg	79 a	9.2	SW846 8260B
Chloroethane	ND	44.7	55.6	ug/kg	124		SW846 8260B
	ND	44.7	44.2	ug/kg	99	23	SW846 8260B
Chloroform	ND	44.7	41.9	ug/kg	94		SW846 8260B
	ND	44.7	41.6	ug/kg	93	0.62	SW846 8260B
Chloromethane	ND	44.7	53.1	ug/kg	119		SW846 8260B
	ND	44.7	43.6	ug/kg	98	20	SW846 8260B
2-Chlorotoluene	ND	44.7	43.2	ug/kg	97		SW846 8260B
	ND	44.7	30.1	ug/kg	67	36	SW846 8260B
4-Chlorotoluene	ND	44.7	41.0	ug/kg	92		SW846 8260B
	ND	44.7	29.2	ug/kg	65 a	34	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: G1F080480      Work Order #...: MJ34A1AP-MS      Matrix.....: SO  
 MS Lot-Sample #: G1F080480-003      MJ34A1AQ-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2-Dibromo-3-chloropropane (DBCP)	ND	44.7	35.4	ug/kg	79		SW846 8260B
	ND	44.7	36.2	ug/kg	81	2.2	SW846 8260B
1,2-Dibromoethane	ND	44.7	44.5	ug/kg	100		SW846 8260B
	ND	44.7	38.4	ug/kg	86	15	SW846 8260B
Dibromomethane	ND	44.7	47.8	ug/kg	107		SW846 8260B
	ND	44.7	42.4	ug/kg	95	12	SW846 8260B
1,2-Dichlorobenzene	ND	44.7	28.1	ug/kg	63 a		SW846 8260B
	ND	44.7	23.5	ug/kg	53 a	18	SW846 8260B
1,3-Dichlorobenzene	ND	44.7	33.0	ug/kg	74		SW846 8260B
	ND	44.7	25.7	ug/kg	58 a	25	SW846 8260B
1,4-Dichlorobenzene	ND	44.7	33.7	ug/kg	75		SW846 8260B
	ND	44.7	25.5	ug/kg	57 a	28	SW846 8260B
Dichlorodifluoromethane (Freon 12)	ND	44.7	56.2	ug/kg	126		SW846 8260B
	ND	44.7	38.7	ug/kg	87	37	SW846 8260B
1,1-Dichloroethane	ND	44.7	44.9	ug/kg	100		SW846 8260B
	ND	44.7	42.8	ug/kg	96	4.8	SW846 8260B
1,2-Dichloroethane	ND	44.7	42.7	ug/kg	96		SW846 8260B
	ND	44.7	40.6	ug/kg	91	4.9	SW846 8260B
cis-1,2-Dichloroethene	ND	44.7	44.1	ug/kg	99		SW846 8260B
	ND	44.7	42.4	ug/kg	95	3.8	SW846 8260B
trans-1,2-Dichloroethene	ND	44.7	45.7	ug/kg	102		SW846 8260B
	ND	44.7	40.4	ug/kg	90	12	SW846 8260B
1,1-Dichloroethene	ND	44.7	57.0	ug/kg	128		SW846 8260B
	ND	44.7	43.6	ug/kg	98	27	SW846 8260B
1,2-Dichloropropane	ND	44.7	46.2	ug/kg	103		SW846 8260B
	ND	44.7	39.3	ug/kg	88	16	SW846 8260B
1,3-Dichloropropane	ND	44.7	47.2	ug/kg	106		SW846 8260B
	ND	44.7	39.1	ug/kg	87	19	SW846 8260B
2,2-Dichloropropane	ND	44.7	49.7	ug/kg	111		SW846 8260B
	ND	44.7	40.7	ug/kg	91	20	SW846 8260B
cis-1,3-Dichloropropene	ND	44.7	43.3	ug/kg	97		SW846 8260B
	ND	44.7	32.8	ug/kg	73 a	28	SW846 8260B
trans-1,3-Dichloropropene	ND	44.7	44.7	ug/kg	100		SW846 8260B
	ND	44.7	33.2	ug/kg	74 a	30	SW846 8260B
1,1-Dichloropropene	ND	44.7	41.1	ug/kg	92		SW846 8260B
	ND	44.7	35.4	ug/kg	79	15	SW846 8260B
1,4-Dioxane	ND	1120	1480	ug/kg	132		SW846 8260B
	ND	1120	1260	ug/kg	113	16	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: G1F080480      Work Order #...: MJ34A1AP-MS      Matrix.....: SO  
 MS Lot-Sample #: G1F080480-003      MJ34A1AQ-MSD

PARAMETER	SAMPLE	SPIKE	MEASRD	UNITS	PERCNT		METHOD
	AMOUNT	AMT	AMOUNT		RECVRY	RPD	
Hexachlorobutadiene	ND	44.7	14.8	ug/kg	33	a	SW846 8260B
	ND	44.7	12.3	ug/kg	28	a 18	SW846 8260B
2-Hexanone	ND	44.7	11.4	ug/kg	26	a	SW846 8260B
	ND	44.7	13.9	ug/kg	31	a 20	SW846 8260B
Isopropylbenzene	ND	44.7	31.4	ug/kg	70		SW846 8260B
	ND	44.7	24.1	ug/kg	54	a 26	SW846 8260B
p-Isopropyltoluene	ND	44.7	29.0	ug/kg	65		SW846 8260B
	ND	44.7	22.6	ug/kg	51	a 25	SW846 8260B
Methylene chloride	ND	44.7	51.1	ug/kg	114		SW846 8260B
	ND	44.7	45.4	ug/kg	102	12	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	44.7	23.0	ug/kg	51	a	SW846 8260B
	ND	44.7	22.4	ug/kg	50	a 2.8	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	44.7	38.2	ug/kg	85		SW846 8260B
	ND	44.7	45.8	ug/kg	103	18	SW846 8260B
Naphthalene	ND	44.7	11.6	ug/kg	26	a	SW846 8260B
	ND	44.7	13.4	ug/kg	30	a 15	SW846 8260B
n-Propylbenzene	ND	44.7	41.4	ug/kg	93		SW846 8260B
	ND	44.7	28.0	ug/kg	63	39	SW846 8260B
Styrene	ND	44.7	32.4	ug/kg	73	a	SW846 8260B
	ND	44.7	26.3	ug/kg	59	a 21	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	44.7	36.2	ug/kg	81		SW846 8260B
	ND	44.7	33.6	ug/kg	75	a 7.4	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	44.7	53.8	ug/kg	120		SW846 8260B
	ND	44.7	43.1	ug/kg	97	22	SW846 8260B
Tetrachloroethene	ND	44.7	39.7	ug/kg	89		SW846 8260B
	ND	44.7	29.9	ug/kg	67	28	SW846 8260B
Toluene	ND	44.7	47.8	ug/kg	107		SW846 8260B
	ND	44.7	32.9	ug/kg	74	a 37	SW846 8260B
1,2,3-Trichlorobenzene	ND	44.7	10.5	ug/kg	24	a	SW846 8260B
	ND	44.7	11.8	ug/kg	26	a 11	SW846 8260B
1,2,4-Trichloro- benzene	ND	44.7	13.7	ug/kg	31	a	SW846 8260B
	ND	44.7	13.3	ug/kg	30	a 2.4	SW846 8260B
1,1,1-Trichloroethane	ND	44.7	48.3	ug/kg	108		SW846 8260B
	ND	44.7	38.8	ug/kg	87	22	SW846 8260B
1,1,2-Trichloroethane	ND	44.7	50.1	ug/kg	112		SW846 8260B
	ND	44.7	37.7	ug/kg	84	28	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: G1F080480      Work Order #....: MJ34A1AP-MS      Matrix.....: SO  
 MS Lot-Sample #: G1F080480-003      MJ34A1AQ-MSD

PARAMETER	SAMPLE	SPIKE	MEASRD	UNITS	PERCNT		METHOD
	AMOUNT	AMT	AMOUNT		RECVRY	RPD	
Trichloroethene	ND	44.7	40.6	ug/kg	91		SW846 8260B
	ND	44.7	33.6	ug/kg	75 a	19	SW846 8260B
Trichlorofluoromethane (Freon 11)	ND	44.7	54.4	ug/kg	122		SW846 8260B
	ND	44.7	41.6	ug/kg	93	27	SW846 8260B
1,2,3-Trichloropropane	ND	44.7	54.5	ug/kg	122		SW846 8260B
	ND	44.7	46.5	ug/kg	104	16	SW846 8260B
1,2,4-Trimethylbenzene	ND	44.7	28.4	ug/kg	64		SW846 8260B
	ND	44.7	20.8	ug/kg	47 a	31	SW846 8260B
1,3,5-Trimethylbenzene	ND	44.7	34.8	ug/kg	78		SW846 8260B
	ND	44.7	25.0	ug/kg	56 a	33	SW846 8260B
Vinyl chloride	ND	44.7	57.4	ug/kg	129 a		SW846 8260B
	ND	44.7	45.6	ug/kg	102	23	SW846 8260B
m-Xylene & p-Xylene	ND	89.3	73.8	ug/kg	83		SW846 8260B
	ND	89.3	55.8	ug/kg	62 a	28	SW846 8260B
o-Xylene	ND	44.7	34.6	ug/kg	77		SW846 8260B
	ND	44.7	27.5	ug/kg	62 a	23	SW846 8260B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	90	(55 - 129)
	95	(55 - 129)
1,2-Dichloroethane-d4	92	(32 - 156)
	91	(32 - 156)
Toluene-d8	105	(63 - 138)
	80	(63 - 138)
4-Bromofluorobenzene	73	(63 - 143)
	65	(63 - 143)

NOTE (S) :

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

# SOLID, 8081A, Pesticides



ENVIRON International Corp.

Client Sample ID: SP-C24-1A

GC Semivolatiles

Lot-Sample #....: G1F080480-001    Work Order #....: MJ3381AM    Matrix.....: SO  
 Date Sampled....: 06/08/11    Date Received...: 06/09/11  
 Prep Date.....: 06/20/11    Analysis Date...: 06/21/11  
 Prep Batch #....: 11711114  
 Dilution Factor: 49.54  
 % Moisture.....: 8.0    Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Chlordane (technical)	ND G	920	ug/kg	70
alpha-BHC	ND	92	ug/kg	12
gamma-BHC (Lindane)	ND	92	ug/kg	9.2
Heptachlor	ND	92	ug/kg	10
Aldrin	ND	92	ug/kg	11
beta-BHC	ND	92	ug/kg	18
delta-BHC	ND	92	ug/kg	8.6
Heptachlor epoxide	ND	92	ug/kg	6.5
Endosulfan I	ND	92	ug/kg	2.8
gamma-Chlordane	ND	92	ug/kg	2.9
alpha-Chlordane	ND	92	ug/kg	11
4,4'-DDE	ND	180	ug/kg	12
Dieldrin	ND	180	ug/kg	4.9
Endrin	ND	180	ug/kg	5.9
4,4'-DDD	ND	180	ug/kg	14
Endosulfan II	ND	180	ug/kg	5.4
4,4'-DDT	ND	180	ug/kg	22
Endrin aldehyde	ND	180	ug/kg	5.9
Methoxychlor	ND	920	ug/kg	70
Endosulfan sulfate	ND	180	ug/kg	5.0
Endrin ketone	ND	180	ug/kg	18
Toxaphene	ND	3600	ug/kg	1100

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Decachlorobiphenyl	0.0 SRD, *	(49 - 119)
Tetrachloro-m-xylene	0.0 SRD, *	(58 - 111)

**NOTE (S) :**

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

\* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

ENVIRON International Corp.

Client Sample ID: SP-C24-1B

GC Semivolatiles

Lot-Sample #....: G1F080480-002    Work Order #....: MJ3391AM    Matrix.....: SO  
 Date Sampled....: 06/08/11    Date Received...: 06/09/11  
 Prep Date.....: 06/20/11    Analysis Date...: 06/21/11  
 Prep Batch #....: 1171114  
 Dilution Factor: 50.73  
 % Moisture.....: 8.4    Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Chlordane (technical)	ND G	940	ug/kg	72
alpha-BHC	ND	94	ug/kg	12
gamma-BHC (Lindane)	ND	94	ug/kg	9.4
Heptachlor	ND	94	ug/kg	11
Aldrin	ND	94	ug/kg	12
beta-BHC	ND	94	ug/kg	18
delta-BHC	ND	94	ug/kg	8.9
Heptachlor epoxide	ND	94	ug/kg	6.6
Endosulfan I	ND	94	ug/kg	2.9
gamma-Chlordane	ND	94	ug/kg	2.9
alpha-Chlordane	ND	94	ug/kg	11
4,4'-DDE	ND	190	ug/kg	12
Dieldrin	ND	190	ug/kg	5.0
Endrin	ND	190	ug/kg	6.1
4,4'-DDD	ND	190	ug/kg	14
Endosulfan II	ND	190	ug/kg	5.5
4,4'-DDT	ND	190	ug/kg	22
Endrin aldehyde	ND	190	ug/kg	6.1
Methoxychlor	ND	940	ug/kg	72
Endosulfan sulfate	ND	190	ug/kg	5.1
Endrin ketone	ND	190	ug/kg	19
Toxaphene	ND	3700	ug/kg	1100

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Decachlorobiphenyl	0.0 SRD, *	(49 - 119)
Tetrachloro-m-xylene	0.0 SRD, *	(58 - 111)

**NOTE (S) :**

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

\* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

ENVIRON International Corp.

Client Sample ID: SP-C24-1C

GC Semivolatiles

Lot-Sample #....: G1F080480-003    Work Order #....: MJ34A1AM    Matrix.....: SO  
 Date Sampled....: 06/08/11    Date Received...: 06/09/11  
 Prep Date.....: 06/20/11    Analysis Date...: 06/21/11  
 Prep Batch #....: 1171114  
 Dilution Factor: 49.82  
 % Moisture.....: 10    Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Chlordane (technical)	ND G	950	ug/kg	72
alpha-BHC	ND	95	ug/kg	12
gamma-BHC (Lindane)	ND	95	ug/kg	9.5
Heptachlor	ND	95	ug/kg	11
Aldrin	ND	95	ug/kg	12
beta-BHC	<b>28 J</b>	<b>95</b>	<b>ug/kg</b>	<b>18</b>
delta-BHC	ND	95	ug/kg	8.9
Heptachlor epoxide	ND	95	ug/kg	6.7
Endosulfan I	ND	95	ug/kg	2.9
gamma-Chlordane	ND	95	ug/kg	2.9
alpha-Chlordane	ND	95	ug/kg	11
4,4'-DDE	<b>17 J</b>	<b>190</b>	<b>ug/kg</b>	<b>12</b>
Dieldrin	ND	190	ug/kg	5.1
Endrin	ND	190	ug/kg	6.1
4,4'-DDD	ND	190	ug/kg	14
Endosulfan II	ND	190	ug/kg	5.6
4,4'-DDT	ND	190	ug/kg	22
Endrin aldehyde	ND	190	ug/kg	6.1
Methoxychlor	ND	950	ug/kg	72
Endosulfan sulfate	ND	190	ug/kg	5.1
Endrin ketone	ND	190	ug/kg	19
Toxaphene	ND	3700	ug/kg	1100

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Decachlorobiphenyl	0.0 SRD, *	(49 - 119)
Tetrachloro-m-xylene	0.0 SRD, *	(58 - 111)

NOTE (S) :

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

\* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

J Estimated result. Result is less than RL.

ENVIRON International Corp.

Client Sample ID: SP-C24-1D

GC Semivolatiles

Lot-Sample #...: G1F080480-004    Work Order #...: MJ34C1AM    Matrix.....: SO  
 Date Sampled...: 06/08/11    Date Received...: 06/09/11  
 Prep Date.....: 06/20/11    Analysis Date...: 06/21/11  
 Prep Batch #...: 1171114  
 Dilution Factor: 50  
 % Moisture.....: 8.6    Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Chlordane (technical)	ND G	930	ug/kg	71
alpha-BHC	ND	93	ug/kg	12
gamma-BHC (Lindane)	ND	93	ug/kg	9.3
Heptachlor	ND	93	ug/kg	10
Aldrin	ND	93	ug/kg	11
beta-BHC	23 J	93	ug/kg	18
delta-BHC	ND	93	ug/kg	8.7
Heptachlor epoxide	ND	93	ug/kg	6.6
Endosulfan I	ND	93	ug/kg	2.8
gamma-Chlordane	ND	93	ug/kg	2.9
alpha-Chlordane	ND	93	ug/kg	11
4,4'-DDE	ND	190	ug/kg	12
Dieldrin	ND	190	ug/kg	5.0
Endrin	ND	190	ug/kg	6.0
4,4'-DDD	ND	190	ug/kg	14
Endosulfan II	ND	190	ug/kg	5.5
4,4'-DDT	ND	190	ug/kg	22
Endrin aldehyde	ND	190	ug/kg	6.0
Methoxychlor	ND	930	ug/kg	71
Endosulfan sulfate	ND	190	ug/kg	5.0
Endrin ketone	ND	190	ug/kg	19
Toxaphene	ND	3700	ug/kg	1100

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Decachlorobiphenyl	0.0 SRD, *	(49 - 119)
Tetrachloro-m-xylene	0.0 SRD, *	(58 - 111)

NOTE (S) :

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

\* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

J Estimated result. Result is less than RL.

# QC DATA ASSOCIATION SUMMARY

G1F080480

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SO	SW846 6020		1172051	1172039
	SO	ASTM D 2216-90		1172106	
	SO	SW846 7471A		1172162	1172098
	SO	SW846 8081A		1171114	1171082
	SO	SW846 8260B		1173053	1173030
	SO	SW846 8270C		1171113	1171081
002	SO	SW846 6020		1172051	1172039
	SO	ASTM D 2216-90		1172106	
	SO	SW846 7471A		1172162	1172098
	SO	SW846 8081A		1171114	1171082
	SO	SW846 8260B		1173053	1173030
	SO	SW846 8270C		1171113	1171081
003	SO	SW846 6020		1172051	1172039
	SO	ASTM D 2216-90		1172106	
	SO	SW846 7471A		1172162	1172098
	SO	SW846 8081A		1171114	1171082
	SO	SW846 8260B		1173053	1173030
	SO	SW846 8270C		1171113	1171081
004	SO	SW846 6020		1172051	1172039
	SO	ASTM D 2216-90		1172106	
	SO	SW846 7471A		1172162	1172098
	SO	SW846 8081A		1171114	1171082
	SO	SW846 8260B		1173053	1173030
	SO	SW846 8270C		1171113	1171081

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: G1F080480  
 MB Lot-Sample #: G1F200000-114

Work Order #...: MKC1D1AA

Matrix.....: SOLID

Analysis Date...: 06/21/11  
 Dilution Factor: 1

Prep Date.....: 06/20/11

Prep Batch #...: 1171114

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Chlordane (technical)	ND	17	ug/kg	SW846 8081A
alpha-BHC	ND	1.7	ug/kg	SW846 8081A
gamma-BHC (Lindane)	ND	1.7	ug/kg	SW846 8081A
Heptachlor	ND	1.7	ug/kg	SW846 8081A
Aldrin	ND	1.7	ug/kg	SW846 8081A
beta-BHC	ND	1.7	ug/kg	SW846 8081A
delta-BHC	ND	1.7	ug/kg	SW846 8081A
Heptachlor epoxide	ND	1.7	ug/kg	SW846 8081A
Endosulfan I	ND	1.7	ug/kg	SW846 8081A
gamma-Chlordane	ND	1.7	ug/kg	SW846 8081A
alpha-Chlordane	ND	1.7	ug/kg	SW846 8081A
4,4'-DDE	ND	3.4	ug/kg	SW846 8081A
Dieldrin	ND	3.4	ug/kg	SW846 8081A
Endrin	ND	3.4	ug/kg	SW846 8081A
4,4'-DDD	ND	3.4	ug/kg	SW846 8081A
Endosulfan II	ND	3.4	ug/kg	SW846 8081A
4,4'-DDT	ND	3.4	ug/kg	SW846 8081A
Endrin aldehyde	ND	3.4	ug/kg	SW846 8081A
Methoxychlor	ND	17	ug/kg	SW846 8081A
Endosulfan sulfate	ND	3.4	ug/kg	SW846 8081A
Endrin ketone	ND	3.4	ug/kg	SW846 8081A
Toxaphene	ND	67	ug/kg	SW846 8081A

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Decachlorobiphenyl	91	(49 - 119)
Tetrachloro-m-xylene	77	(58 - 111)

NOTE(S) :

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G1F080480      Work Order #...: MKC1D1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G1F200000-114  
 Prep Date.....: 06/20/11      Analysis Date...: 06/21/11  
 Prep Batch #...: 1171114  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
alpha-BHC	88	(71 - 121)	SW846 8081A
gamma-BHC (Lindane)	90	(74 - 121)	SW846 8081A
Heptachlor	83	(74 - 120)	SW846 8081A
Aldrin	81	(68 - 116)	SW846 8081A
beta-BHC	88	(72 - 111)	SW846 8081A
delta-BHC	95	(75 - 124)	SW846 8081A
Heptachlor epoxide	86	(74 - 116)	SW846 8081A
Endosulfan I	77	(62 - 111)	SW846 8081A
gamma-Chlordane	87	(68 - 116)	SW846 8081A
alpha-Chlordane	87	(71 - 116)	SW846 8081A
4,4'-DDE	95	(71 - 129)	SW846 8081A
Dieldrin	89	(68 - 123)	SW846 8081A
Endrin	88	(71 - 128)	SW846 8081A
4,4'-DDD	91	(79 - 124)	SW846 8081A
Endosulfan II	85	(70 - 121)	SW846 8081A
4,4'-DDT	82	(68 - 129)	SW846 8081A
Endrin aldehyde	66	(21 - 112)	SW846 8081A
Methoxychlor	79	(71 - 123)	SW846 8081A
Endosulfan sulfate	90	(69 - 120)	SW846 8081A
Endrin ketone	86	(65 - 118)	SW846 8081A

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	94	(49 - 119)
Tetrachloro-m-xylene	75	(58 - 111)

**NOTE (S) :**

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #....: G1F080480      Work Order #....: MKC1D1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G1F200000-114  
 Prep Date.....: 06/20/11      Analysis Date...: 06/21/11  
 Prep Batch #....: 1171114  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
alpha-BHC	8.33	7.36	ug/kg	88	SW846 8081A
gamma-BHC (Lindane)	8.33	7.50	ug/kg	90	SW846 8081A
Heptachlor	8.33	6.93	ug/kg	83	SW846 8081A
Aldrin	8.33	6.79	ug/kg	81	SW846 8081A
beta-BHC	8.33	7.34	ug/kg	88	SW846 8081A
delta-BHC	8.33	7.89	ug/kg	95	SW846 8081A
Heptachlor epoxide	8.33	7.15	ug/kg	86	SW846 8081A
Endosulfan I	8.33	6.45	ug/kg	77	SW846 8081A
gamma-Chlordane	8.33	7.24	ug/kg	87	SW846 8081A
alpha-Chlordane	8.33	7.28	ug/kg	87	SW846 8081A
4,4'-DDE	16.7	15.9	ug/kg	95	SW846 8081A
Dieldrin	16.7	14.9	ug/kg	89	SW846 8081A
Endrin	16.7	14.7	ug/kg	88	SW846 8081A
4,4'-DDD	16.7	15.2	ug/kg	91	SW846 8081A
Endosulfan II	16.7	14.2	ug/kg	85	SW846 8081A
4,4'-DDT	16.7	13.6	ug/kg	82	SW846 8081A
Endrin aldehyde	16.7	10.9	ug/kg	66	SW846 8081A
Methoxychlor	83.3	66.2	ug/kg	79	SW846 8081A
Endosulfan sulfate	16.7	15.0	ug/kg	90	SW846 8081A
Endrin ketone	16.7	14.4	ug/kg	86	SW846 8081A
<u>SURROGATE</u>				<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Decachlorobiphenyl				94	(49 - 119)
Tetrachloro-m-xylene				75	(58 - 111)

**NOTE (S) :**

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

Bold print denotes control parameters



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G1F080480      Work Order #...: MKC1D1AD      Matrix.....: SOLID  
 LCS Lot-Sample#: G1F200000-114  
 Prep Date.....: 06/20/11      Analysis Date...: 06/21/11  
 Prep Batch #...: 11711114  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>	<u>METHOD</u>
<b>Toxaphene</b>	<b>108</b>	<b>(41 - 128)</b>	<b>SW846 8081A</b>

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
Decachlorobiphenyl	99	(49 - 119)
Tetrachloro-m-xylene	81	(58 - 111)

**NOTE (S) :**

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G1F080480      Work Order #...: MKC1D1AD      Matrix.....: SOLID  
 LCS Lot-Sample#: G1F200000-114  
 Prep Date.....: 06/20/11      Analysis Date...: 06/21/11  
 Prep Batch #...: 1171114  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
Toxaphene	125	135	ug/kg	108	SW846 8081A
<u>SURROGATE</u>		<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>		
Decachlorobiphenyl		99	(49 - 119)		
Tetrachloro-m-xylene		81	(58 - 111)		

**NOTE (S) :**

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G1F080480      Work Order #...: MJ3391AN-MS      Matrix.....: SO  
 MS Lot-Sample #: G1F080480-002      MJ3391AP-MSD  
 Date Sampled...: 06/08/11      Date Received...: 06/09/11  
 Prep Date.....: 06/20/11      Analysis Date...: 06/21/11  
 Prep Batch #...: 1171114  
 Dilution Factor: 49.21

PARAMETER	PERCENT	RECOVERY	RPD		METHOD
	RECOVERY	LIMITS	RPD	LIMITS	
alpha-BHC	0.0 a	(71 - 121)			SW846 8081A
	0.0 a	(71 - 121)	0.0	(0-30)	SW846 8081A
gamma-BHC (Lindane)	0.0 a	(74 - 121)			SW846 8081A
	0.0 a	(74 - 121)	0.0	(0-30)	SW846 8081A
Heptachlor	0.0 a	(74 - 120)			SW846 8081A
	0.0 a	(74 - 120)	0.0	(0-30)	SW846 8081A
Aldrin	0.0 MSA, a	(68 - 116)			SW846 8081A
	0.0 MSA, a	(68 - 116)	0.0	(0-30)	SW846 8081A
beta-BHC	0.0 a	(72 - 111)			SW846 8081A
	0.0 a	(72 - 111)	0.0	(0-30)	SW846 8081A
delta-BHC	0.0 a	(75 - 124)			SW846 8081A
	0.0 a	(75 - 124)	0.0	(0-30)	SW846 8081A
Heptachlor epoxide	0.0 a	(74 - 116)			SW846 8081A
	0.0 a	(74 - 116)	0.0	(0-30)	SW846 8081A
Endosulfan I	0.0 a	(62 - 111)			SW846 8081A
	0.0 a	(62 - 111)	0.0	(0-30)	SW846 8081A
gamma-Chlordane	0.0 a	(68 - 116)			SW846 8081A
	0.0 a	(68 - 116)	0.0	(0-30)	SW846 8081A
alpha-Chlordane	0.0 a	(71 - 116)			SW846 8081A
	0.0 a	(71 - 116)	0.0	(0-30)	SW846 8081A
4,4'-DDE	0.0 a	(71 - 129)			SW846 8081A
	0.0 a	(71 - 129)	0.0	(0-30)	SW846 8081A
Dieldrin	0.0 a	(68 - 123)			SW846 8081A
	0.0 a	(68 - 123)	0.0	(0-30)	SW846 8081A
Endrin	0.0 a	(71 - 128)			SW846 8081A
	0.0 a	(71 - 128)	0.0	(0-30)	SW846 8081A
4,4'-DDD	0.0 a	(79 - 124)			SW846 8081A
	0.0 a	(79 - 124)	0.0	(0-30)	SW846 8081A
Endosulfan II	0.0 a	(70 - 121)			SW846 8081A
	0.0 a	(70 - 121)	0.0	(0-30)	SW846 8081A
4,4'-DDT	0.0 a	(68 - 129)			SW846 8081A
	0.0 a	(68 - 129)	0.0	(0-30)	SW846 8081A
Endrin aldehyde	0.0 a	(21 - 112)			SW846 8081A
	0.0 a	(21 - 112)	0.0	(0-30)	SW846 8081A
Methoxychlor	0.0 a	(71 - 123)			SW846 8081A
	0.0 a	(71 - 123)	0.0	(0-30)	SW846 8081A
Endosulfan sulfate	0.0 a	(69 - 120)			SW846 8081A
	0.0 a	(69 - 120)	0.0	(0-30)	SW846 8081A
Endrin ketone	0.0 a	(65 - 118)			SW846 8081A
	0.0 a	(65 - 118)	0.0	(0-30)	SW846 8081A

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G1F080480      Work Order #...: MJ3391AN-MS      Matrix.....: SO  
MS Lot-Sample #: G1F080480-002      MJ3391AP-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	0.0	(49 - 119)
	Qualifiers: SRD, *	
	0.0	(49 - 119)
	Qualifiers: SRD, *	
Tetrachloro-m-xylene	0.0	(58 - 111)
	Qualifiers: SRD, *	
	0.0	(58 - 111)
	Qualifiers: SRD, *	

**NOTE (S) :**

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

\* Surrogate recovery is outside stated control limits.

MSA The recovery and RPD were not calculated because the sample was diluted beyond the ability to quantitate a recovery.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G1F080480      Work Order #...: MJ3391AN-MS      Matrix.....: SO  
 MS Lot-Sample #: G1F080480-002      MJ3391AP-MSD  
 Date Sampled...: 06/08/11      Date Received...: 06/09/11  
 Prep Date.....: 06/20/11      Analysis Date...: 06/21/11  
 Prep Batch #...: 1171114  
 Dilution Factor: 49.21

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
alpha-BHC	ND	8.95	0.0	ug/kg	0.0 a		SW846 8081A
	ND	8.84	0.0	ug/kg	0.0 a	0.0	SW846 8081A
gamma-BHC (Lindane)	ND	8.95	0.0	ug/kg	0.0 a		SW846 8081A
	ND	8.84	0.0	ug/kg	0.0 a	0.0	SW846 8081A
Heptachlor	ND	8.95	0.0	ug/kg	0.0 a		SW846 8081A
	ND	8.84	0.0	ug/kg	0.0 a	0.0	SW846 8081A
Aldrin	ND	8.95	0.0	ug/kg	0.0		SW846 8081A
	ND	8.84	0.0	ug/kg	0.0	0.0	SW846 8081A
		Qualifiers: MSA,a					
beta-BHC	ND	8.95	0.0	ug/kg	0.0 a		SW846 8081A
	ND	8.84	0.0	ug/kg	0.0 a	0.0	SW846 8081A
delta-BHC	ND	8.95	0.0	ug/kg	0.0 a		SW846 8081A
	ND	8.84	0.0	ug/kg	0.0 a	0.0	SW846 8081A
Heptachlor epoxide	ND	8.95	0.0	ug/kg	0.0 a		SW846 8081A
	ND	8.84	0.0	ug/kg	0.0 a	0.0	SW846 8081A
Endosulfan I	ND	8.95	0.0	ug/kg	0.0 a		SW846 8081A
	ND	8.84	0.0	ug/kg	0.0 a	0.0	SW846 8081A
gamma-Chlordane	ND	8.95	0.0	ug/kg	0.0 a		SW846 8081A
	ND	8.84	0.0	ug/kg	0.0 a	0.0	SW846 8081A
alpha-Chlordane	ND	8.95	0.0	ug/kg	0.0 a		SW846 8081A
	ND	8.84	0.0	ug/kg	0.0 a	0.0	SW846 8081A
4,4'-DDE	ND	17.9	0.0	ug/kg	0.0 a		SW846 8081A
	ND	17.7	0.0	ug/kg	0.0 a	0.0	SW846 8081A
Dieldrin	ND	17.9	0.0	ug/kg	0.0 a		SW846 8081A
	ND	17.7	0.0	ug/kg	0.0 a	0.0	SW846 8081A
Endrin	ND	17.9	0.0	ug/kg	0.0 a		SW846 8081A
	ND	17.7	0.0	ug/kg	0.0 a	0.0	SW846 8081A
4,4'-DDD	ND	17.9	0.0	ug/kg	0.0 a		SW846 8081A
	ND	17.7	0.0	ug/kg	0.0 a	0.0	SW846 8081A
Endosulfan II	ND	17.9	0.0	ug/kg	0.0 a		SW846 8081A
	ND	17.7	0.0	ug/kg	0.0 a	0.0	SW846 8081A
4,4'-DDT	ND	17.9	0.0	ug/kg	0.0 a		SW846 8081A
	ND	17.7	0.0	ug/kg	0.0 a	0.0	SW846 8081A
Endrin aldehyde	ND	17.9	0.0	ug/kg	0.0 a		SW846 8081A
	ND	17.7	0.0	ug/kg	0.0 a	0.0	SW846 8081A
Methoxychlor	ND	89.5	0.0	ug/kg	0.0 a		SW846 8081A
	ND	88.4	0.0	ug/kg	0.0 a	0.0	SW846 8081A
Endosulfan sulfate	ND	17.9	0.0	ug/kg	0.0 a		SW846 8081A
	ND	17.7	0.0	ug/kg	0.0 a	0.0	SW846 8081A

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**MATRIX SPIKE SAMPLE DATA REPORT**

**GC Semivolatiles**

**Client Lot #...**: G1F080480      **Work Order #...**: MJ3391AN-MS      **Matrix.....**: SO  
**MS Lot-Sample #:** G1F080480-002      MJ3391AP-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
<b>Endrin ketone</b>	ND	17.9	0.0	ug/kg	0.0 a		SW846 8081A
	ND	17.7	0.0	ug/kg	0.0 a	0.0	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	0.0 Qualifiers: SRD,*	(49 - 119)
	0.0 Qualifiers: SRD,*	(49 - 119)
Tetrachloro-m-xylene	0.0 Qualifiers: SRD,*	(58 - 111)
	0.0 Qualifiers: SRD,*	(58 - 111)

**NOTE(S) :**

- Calculations are performed before rounding to avoid round-off errors in calculated results.
- Bold print denotes control parameters
- a Spiked analyte recovery is outside stated control limits.
- Results and reporting limits have been adjusted for dry weight.
- SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.
- \* Surrogate recovery is outside stated control limits.
- MSA The recovery and RPD were not calculated because the sample was diluted beyond the ability to quantitate a recovery.

# SOLID, 8270C, SVOCs

ENVIRON International Corp.

Client Sample ID: SP-C24-1A

GC/MS Semivolatiles

Lot-Sample #....: G1F080480-001    Work Order #....: MJ3381CA    Matrix.....: SO  
 Date Sampled....: 06/08/11    Date Received...: 06/09/11  
 Prep Date.....: 06/20/11    Analysis Date...: 06/28/11  
 Prep Batch #....: 1179201  
 Dilution Factor: 15.18  
 % Moisture.....: 8.0    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Hexachlorobenzene	ND	5400	ug/kg	1500
Acenaphthene	ND	5400	ug/kg	1400
Acenaphthylene	ND	5400	ug/kg	1400
Anthracene	ND	5400	ug/kg	1400
Benzo(a)anthracene	ND	5400	ug/kg	1500
Benzo(b)fluoranthene	ND	5400	ug/kg	1600
Benzo(k)fluoranthene	ND	5400	ug/kg	1900
Benzo(a)pyrene	ND	5400	ug/kg	1600
bis(2-Ethylhexyl) phthalate	ND	5400	ug/kg	1600
Butyl benzyl phthalate	ND	5400	ug/kg	1600
Chrysene	ND	5400	ug/kg	1400
Dibenzo(a,h)anthracene	ND	5400	ug/kg	1700
Di-n-butyl phthalate	ND	5400	ug/kg	1600
Diethyl phthalate	ND	5400	ug/kg	1500
Dimethyl phthalate	ND	5400	ug/kg	1400
Di-n-octyl phthalate	ND	5400	ug/kg	1600
Fluoranthene	ND	5400	ug/kg	1600
Fluorene	ND	5400	ug/kg	1500
Indeno(1,2,3-cd)pyrene	ND	5400	ug/kg	1600
2-Methylnaphthalene	ND	5400	ug/kg	1400
Naphthalene	ND	5400	ug/kg	1400
Nitrobenzene	ND	5400	ug/kg	1300
Phenanthrene	ND	5400	ug/kg	1600
Pyrene	ND	5400	ug/kg	1600
Pyridine	ND	11000	ug/kg	1200
Benzo(ghi)perylene	ND	5400	ug/kg	1800
1,4-Dichlorobenzene	ND	5400	ug/kg	1300
2,4-Dinitrotoluene	ND	5400	ug/kg	1500
Hexachlorobutadiene	ND	5400	ug/kg	1400
Hexachloroethane	ND	5400	ug/kg	1300
2-Methylphenol	ND	5400	ug/kg	960
Pentachlorophenol	ND	26000	ug/kg	840
2,4,5-Trichloro- phenol	ND	5400	ug/kg	1400
2,4,6-Trichloro- phenol	ND	5400	ug/kg	1400
3-Methylphenol & 4-Methylphenol	ND	11000	ug/kg	5400

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ENVIRON International Corp.

Client Sample ID: SP-C24-1A

GC/MS Semivolatiles

Lot-Sample #...: G1F080480-001 Work Order #...: MJ3381CA Matrix.....: SO

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorobiphenyl	0.0 SRD	(53 - 103)
2-Fluorophenol	0.0 SRD	(47 - 100)
Nitrobenzene-d5	0.0 SRD	(44 - 98 )
Phenol-d5	0.0 SRD	(48 - 102)
Terphenyl-d14	0.0 SRD	(65 - 121)
2,4,6-Tribromophenol	0.0 SRD	(48 - 143)

**NOTE (S) :**

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.  
Results and reporting limits have been adjusted for dry weight.

ENVIRON International Corp.

Client Sample ID: SP-C24-1B

GC/MS Semivolatiles

Lot-Sample #....: G1F080480-002    Work Order #....: MJ3391AR    Matrix.....: SO  
 Date Sampled....: 06/08/11    Date Received...: 06/09/11  
 Prep Date.....: 06/20/11    Analysis Date...: 06/28/11  
 Prep Batch #....: 1179201  
 Dilution Factor: 15.12  
 % Moisture.....: 8.4    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	5400	ug/kg	1400
Acenaphthylene	ND	5400	ug/kg	1400
Anthracene	ND	5400	ug/kg	1400
Benzo(a)anthracene	ND	5400	ug/kg	1500
Benzo(b)fluoranthene	ND	5400	ug/kg	1600
Benzo(k)fluoranthene	ND	5400	ug/kg	1900
Benzo(a)pyrene	ND	5400	ug/kg	1600
bis(2-Ethylhexyl) phthalate	ND	5400	ug/kg	1600
Butyl benzyl phthalate	ND	5400	ug/kg	1600
Chrysene	ND	5400	ug/kg	1400
Dibenzo(a,h)anthracene	ND	5400	ug/kg	1700
Di-n-butyl phthalate	ND	5400	ug/kg	1600
Diethyl phthalate	ND	5400	ug/kg	1500
Dimethyl phthalate	ND	5400	ug/kg	1400
Di-n-octyl phthalate	ND	5400	ug/kg	1600
Fluoranthene	ND	5400	ug/kg	1600
Fluorene	ND	5400	ug/kg	1500
Hexachlorobenzene	ND	5400	ug/kg	1500
Indeno(1,2,3-cd)pyrene	ND	5400	ug/kg	1600
2-Methylnaphthalene	ND	5400	ug/kg	1400
Naphthalene	ND	5400	ug/kg	1400
Nitrobenzene	ND	5400	ug/kg	1300
Phenanthrene	ND	5400	ug/kg	1600
Pyrene	ND	5400	ug/kg	1600
Pyridine	ND	11000	ug/kg	1200
Benzo(ghi)perylene	ND	5400	ug/kg	1800
1,4-Dichlorobenzene	ND	5400	ug/kg	1300
2,4-Dinitrotoluene	ND	5400	ug/kg	1500
Hexachlorobutadiene	ND	5400	ug/kg	1400
Hexachloroethane	ND	5400	ug/kg	1300
2-Methylphenol	ND	5400	ug/kg	960
Pentachlorophenol	ND	26000	ug/kg	840
2,4,5-Trichloro- phenol	ND	5400	ug/kg	1400
2,4,6-Trichloro- phenol	ND	5400	ug/kg	1400
3-Methylphenol & 4-Methylphenol	ND	11000	ug/kg	5400

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ENVIRON International Corp.

Client Sample ID: SP-C24-1B

GC/MS Semivolatiles

Lot-Sample #....: G1F080480-002    Work Order #....: MJ3391AR    Matrix.....: SO

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorobiphenyl	0.0 SRD	(53 - 103)
2-Fluorophenol	0.0 SRD	(47 - 100)
Nitrobenzene-d5	0.0 SRD	(44 - 98 )
Phenol-d5	0.0 SRD	(48 - 102)
Terphenyl-d14	0.0 SRD	(65 - 121)
2,4,6-Tribromophenol	0.0 SRD	(48 - 143)

**NOTE (S) :**

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.  
Results and reporting limits have been adjusted for dry weight.

ENVIRON International Corp.

Client Sample ID: SP-C24-1C

GC/MS Semivolatiles

Lot-Sample #...: G1F080480-003    Work Order #...: MJ34A1AR    Matrix.....: SO  
 Date Sampled...: 06/08/11    Date Received...: 06/09/11  
 Prep Date.....: 06/20/11    Analysis Date...: 06/23/11  
 Prep Batch #...: 1179201  
 Dilution Factor: 14.67  
 % Moisture.....: 10    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Acenaphthene	ND	5400	ug/kg	1400
Acenaphthylene	ND	5400	ug/kg	1400
Anthracene	ND	5400	ug/kg	1400
Benzo (a) anthracene	ND	5400	ug/kg	1500
Benzo (b) fluoranthene	ND	5400	ug/kg	1600
Benzo (k) fluoranthene	ND	5400	ug/kg	1900
Benzo (a) pyrene	ND	5400	ug/kg	1500
bis (2-Ethylhexyl) phthalate	ND	5400	ug/kg	1600
Butyl benzyl phthalate	ND	5400	ug/kg	1600
Chrysene	ND	5400	ug/kg	1400
Dibenzo (a, h) anthracene	ND	5400	ug/kg	1700
Di-n-butyl phthalate	ND	5400	ug/kg	1600
Diethyl phthalate	ND	5400	ug/kg	1500
Dimethyl phthalate	ND	5400	ug/kg	1400
Di-n-octyl phthalate	ND	5400	ug/kg	1600
Fluoranthene	ND	5400	ug/kg	1600
Fluorene	ND	5400	ug/kg	1500
Hexachlorobenzene	ND	5400	ug/kg	1500
Indeno (1, 2, 3-cd) pyrene	ND	5400	ug/kg	1600
2-Methylnaphthalene	ND	5400	ug/kg	1400
Naphthalene	ND	5400	ug/kg	1300
Nitrobenzene	ND	5400	ug/kg	1200
Phenanthrene	ND	5400	ug/kg	1500
Pyrene	ND	5400	ug/kg	1500
Pyridine	ND	11000	ug/kg	1200
Benzo (ghi) perylene	ND	5400	ug/kg	1800
1, 4-Dichlorobenzene	ND	5400	ug/kg	1300
2, 4-Dinitrotoluene	ND	5400	ug/kg	1500
Hexachlorobutadiene	ND	5400	ug/kg	1300
Hexachloroethane	ND	5400	ug/kg	1300
2-Methylphenol	ND	5400	ug/kg	950
Pentachlorophenol	ND	26000	ug/kg	840
2, 4, 5-Trichloro- phenol	ND	5400	ug/kg	1400
2, 4, 6-Trichloro- phenol	ND	5400	ug/kg	1400
3-Methylphenol & 4-Methylphenol	ND	11000	ug/kg	5400

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ENVIRON International Corp.

Client Sample ID: SP-C24-1C

GC/MS Semivolatiles

Lot-Sample #...: G1F080480-003    Work Order #...: MJ34A1AR    Matrix.....: SO

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorobiphenyl	0.0 SRD	(53 - 103)
2-Fluorophenol	0.0 SRD	(47 - 100)
Nitrobenzene-d5	0.0 SRD	(44 - 98 )
Phenol-d5	0.0 SRD	(48 - 102)
Terphenyl-d14	0.0 SRD	(65 - 121)
2,4,6-Tribromophenol	0.0 SRD	(48 - 143)

**NOTE (S) :**

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.  
Results and reporting limits have been adjusted for dry weight.

ENVIRON International Corp.

Client Sample ID: SP-C24-1D

GC/MS Semivolatiles

Lot-Sample #....: G1F080480-004    Work Order #....: MJ34C1AP    Matrix.....: SO  
 Date Sampled....: 06/08/11    Date Received...: 06/09/11  
 Prep Date.....: 06/20/11    Analysis Date...: 06/28/11  
 Prep Batch #....: 1179201  
 Dilution Factor: 14.98  
 % Moisture.....: 8.6    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Diethyl phthalate	ND	5400	ug/kg	1500
Dimethyl phthalate	ND	5400	ug/kg	1400
Di-n-octyl phthalate	ND	5400	ug/kg	1600
Fluoranthene	ND	5400	ug/kg	1600
Fluorene	ND	5400	ug/kg	1500
Hexachlorobenzene	ND	5400	ug/kg	1500
Indeno(1,2,3-cd)pyrene	ND	5400	ug/kg	1600
2-Methylnaphthalene	ND	5400	ug/kg	1400
Naphthalene	ND	5400	ug/kg	1300
Nitrobenzene	ND	5400	ug/kg	1200
Phenanthrene	ND	5400	ug/kg	1500
Pyrene	ND	5400	ug/kg	1500
Pyridine	ND	11000	ug/kg	1200
Benzo(ghi)perylene	ND	5400	ug/kg	1800
Acenaphthene	ND	5400	ug/kg	1400
Acenaphthylene	ND	5400	ug/kg	1400
Anthracene	ND	5400	ug/kg	1400
Benzo(a)anthracene	ND	5400	ug/kg	1500
Benzo(b)fluoranthene	ND	5400	ug/kg	1600
Benzo(k)fluoranthene	ND	5400	ug/kg	1900
Benzo(a)pyrene	ND	5400	ug/kg	1500
bis(2-Ethylhexyl) phthalate	ND	5400	ug/kg	1600
Butyl benzyl phthalate	ND	5400	ug/kg	1600
Chrysene	ND	5400	ug/kg	1400
Dibenzo(a,h)anthracene	ND	5400	ug/kg	1700
Di-n-butyl phthalate	ND	5400	ug/kg	1600
1,4-Dichlorobenzene	ND	5400	ug/kg	1300
2,4-Dinitrotoluene	ND	5400	ug/kg	1500
Hexachlorobutadiene	ND	5400	ug/kg	1300
Hexachloroethane	ND	5400	ug/kg	1300
2-Methylphenol	ND	5400	ug/kg	950
Pentachlorophenol	ND	26000	ug/kg	840
2,4,5-Trichloro- phenol	ND	5400	ug/kg	1400
2,4,6-Trichloro- phenol	ND	5400	ug/kg	1400
3-Methylphenol & 4-Methylphenol	ND	11000	ug/kg	5400

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ENVIRON International Corp.

Client Sample ID: SP-C24-1D

GC/MS Semivolatiles

Lot-Sample #....: G1F080480-004 Work Order #....: MJ34C1AP Matrix.....: SO

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorobiphenyl	0.0 SRD	(53 - 103)
2-Fluorophenol	0.0 SRD	(47 - 100)
Nitrobenzene-d5	0.0 SRD	(44 - 98 )
Phenol-d5	0.0 SRD	(48 - 102)
Terphenyl-d14	0.0 SRD	(65 - 121)
2,4,6-Tribromophenol	0.0 SRD	(48 - 143)

**NOTE(S) :**

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SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.  
Results and reporting limits have been adjusted for dry weight.

# QC DATA ASSOCIATION SUMMARY

G1F080480

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SO	SW846 8270C		1179201	1179124
002	SO	SW846 8270C		1179201	1179124
003	SO	SW846 8270C		1179201	1179124
004	SO	SW846 8270C		1179201	1179124



METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: G1F080480  
 MB Lot-Sample #: G1F280000-201

Work Order #...: MKJXJ1AA

Matrix.....: SOLID

Prep Date.....: 06/20/11

Analysis Date...: 06/23/11

Prep Batch #...: 1179201

Dilution Factor: 1

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Acenaphthene	ND	330	ug/kg	SW846 8270C
Acenaphthylene	ND	330	ug/kg	SW846 8270C
Anthracene	ND	330	ug/kg	SW846 8270C
Benzo(a)anthracene	ND	330	ug/kg	SW846 8270C
Benzo(b)fluoranthene	ND	330	ug/kg	SW846 8270C
Benzo(k)fluoranthene	ND	330	ug/kg	SW846 8270C
Benzo(ghi)perylene	ND	330	ug/kg	SW846 8270C
Benzo(a)pyrene	ND	330	ug/kg	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	SW846 8270C
Butyl benzyl phthalate	ND	330	ug/kg	SW846 8270C
Chrysene	ND	330	ug/kg	SW846 8270C
Di-n-butyl phthalate	ND	330	ug/kg	SW846 8270C
Diethyl phthalate	ND	330	ug/kg	SW846 8270C
Dimethyl phthalate	ND	330	ug/kg	SW846 8270C
Di-n-octyl phthalate	ND	330	ug/kg	SW846 8270C
Fluoranthene	ND	330	ug/kg	SW846 8270C
Fluorene	ND	330	ug/kg	SW846 8270C
Hexachlorobenzene	ND	330	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	SW846 8270C
2-Methylnaphthalene	ND	330	ug/kg	SW846 8270C
Naphthalene	ND	330	ug/kg	SW846 8270C
Nitrobenzene	ND	330	ug/kg	SW846 8270C
Phenanthrene	ND	330	ug/kg	SW846 8270C
Pyrene	ND	330	ug/kg	SW846 8270C
Pyridine	ND	660	ug/kg	SW846 8270C
Dibenzo(a,h)anthracene	ND	330	ug/kg	SW846 8270C
1,4-Dichlorobenzene	ND	330	ug/kg	SW846 8270C
2,4-Dinitrotoluene	ND	330	ug/kg	SW846 8270C
Hexachlorobutadiene	ND	330	ug/kg	SW846 8270C
Hexachloroethane	ND	330	ug/kg	SW846 8270C
2-Methylphenol	ND	330	ug/kg	SW846 8270C
Pentachlorophenol	ND	1600	ug/kg	SW846 8270C
2,4,5-Trichloro- phenol	ND	330	ug/kg	SW846 8270C
2,4,6-Trichloro- phenol	ND	330	ug/kg	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	660	ug/kg	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: G1F080480

Work Order #...: MKJXJ1AA

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>		
2-Fluorobiphenyl	79	(53 - 103)		
2-Fluorophenol	81	(47 - 100)		
Nitrobenzene-d5	80	(44 - 98)		
Phenol-d5	83	(48 - 102)		
Terphenyl-d14	95	(65 - 121)		
2,4,6-Tribromophenol	83	(48 - 143)		

**NOTE (S) :**

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: G1F080480      Work Order #...: MKJXJ1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G1F280000-201  
 Prep Date.....: 06/20/11      Analysis Date...: 06/23/11  
 Prep Batch #...: 1179201  
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	METHOD
	RECOVERY	LIMITS	
Acenaphthene	94	(54 - 107)	SW846 8270C
Acenaphthylene	99	(57 - 113)	SW846 8270C
Anthracene	102	(61 - 115)	SW846 8270C
Benzo(b) fluoranthene	112	(64 - 121)	SW846 8270C
Benzo(k) fluoranthene	96	(59 - 124)	SW846 8270C
Benzo(ghi) perylene	102	(62 - 123)	SW846 8270C
Benzo(a) pyrene	89	(51 - 100)	SW846 8270C
Benzo(a) anthracene	101	(71 - 111)	SW846 8270C
bis(2-Ethylhexyl) phthalate	109	(62 - 121)	SW846 8270C
Butyl benzyl phthalate	106	(61 - 115)	SW846 8270C
Chrysene	96	(60 - 113)	SW846 8270C
Dibenzo(a,h)anthracene	106	(65 - 123)	SW846 8270C
Diethyl phthalate	105	(60 - 118)	SW846 8270C
Dimethyl phthalate	100	(61 - 117)	SW846 8270C
Di-n-butyl phthalate	115	(63 - 121)	SW846 8270C
Di-n-octyl phthalate	96	(63 - 119)	SW846 8270C
Fluoranthene	109	(63 - 126)	SW846 8270C
Fluorene	97	(59 - 113)	SW846 8270C
Hexachlorobenzene	99	(60 - 118)	SW846 8270C
Indeno(1,2,3-cd)pyrene	104	(62 - 123)	SW846 8270C
2-Methylnaphthalene	85	(52 - 108)	SW846 8270C
Naphthalene	82	(46 - 100)	SW846 8270C
Nitrobenzene	82	(43 - 101)	SW846 8270C
Phenanthrene	99	(60 - 114)	SW846 8270C
Pyrene	99	(59 - 115)	SW846 8270C
Pyridine	60	(34 - 74)	SW846 8270C
1,4-Dichlorobenzene	78	(41 - 97)	SW846 8270C
2,4-Dinitrotoluene	118	(64 - 128)	SW846 8270C
Hexachlorobutadiene	78	(45 - 104)	SW846 8270C
Hexachloroethane	73	(39 - 96)	SW846 8270C
2-Methylphenol	88	(49 - 104)	SW846 8270C
Pentachlorophenol	96	(50 - 114)	SW846 8270C
2,4,5-Trichloro- phenol	106	(63 - 118)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: G1F080480      Work Order #...: MKJXJ1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G1F280000-201

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
<b>2,4,6-Trichloro-phenol</b>	<b>107</b>	<b>(60 - 117)</b>	<b>SW846 8270C</b>

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorobiphenyl	96	(53 - 103)
2-Fluorophenol	90	(47 - 100)
Nitrobenzene-d5	89	(44 - 98)
Phenol-d5	93	(48 - 102)
Terphenyl-d14	102	(65 - 121)
2,4,6-Tribromophenol	114	(48 - 143)

**NOTE (S) :**

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: G1F080480      Work Order #...: MKJXJ1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G1F280000-201  
 Prep Date.....: 06/20/11      Analysis Date...: 06/23/11  
 Prep Batch #...: 1179201  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
Acenaphthene	3330	3130	ug/kg	94	SW846 8270C
Acenaphthylene	3330	3300	ug/kg	99	SW846 8270C
Anthracene	3330	3390	ug/kg	102	SW846 8270C
Benzo(b)fluoranthene	3330	3740	ug/kg	112	SW846 8270C
Benzo(k)fluoranthene	3330	3180	ug/kg	96	SW846 8270C
Benzo(ghi)perylene	3330	3390	ug/kg	102	SW846 8270C
Benzo(a)pyrene	3330	2960	ug/kg	89	SW846 8270C
Benzo(a)anthracene	3330	3350	ug/kg	101	SW846 8270C
bis(2-Ethylhexyl) phthalate	3330	3640	ug/kg	109	SW846 8270C
Butyl benzyl phthalate	3330	3540	ug/kg	106	SW846 8270C
Chrysene	3330	3210	ug/kg	96	SW846 8270C
Dibenzo(a,h)anthracene	3330	3540	ug/kg	106	SW846 8270C
Diethyl phthalate	3330	3490	ug/kg	105	SW846 8270C
Dimethyl phthalate	3330	3340	ug/kg	100	SW846 8270C
Di-n-butyl phthalate	3330	3820	ug/kg	115	SW846 8270C
Di-n-octyl phthalate	3330	3200	ug/kg	96	SW846 8270C
Fluoranthene	3330	3630	ug/kg	109	SW846 8270C
Fluorene	3330	3220	ug/kg	97	SW846 8270C
Hexachlorobenzene	3330	3280	ug/kg	99	SW846 8270C
Indeno(1,2,3-cd)pyrene	3330	3460	ug/kg	104	SW846 8270C
2-Methylnaphthalene	3330	2840	ug/kg	85	SW846 8270C
Naphthalene	3330	2740	ug/kg	82	SW846 8270C
Nitrobenzene	3330	2740	ug/kg	82	SW846 8270C
Phenanthrene	3330	3300	ug/kg	99	SW846 8270C
Pyrene	3330	3300	ug/kg	99	SW846 8270C
Pyridine	3330	2010	ug/kg	60	SW846 8270C
1,4-Dichlorobenzene	3330	2590	ug/kg	78	SW846 8270C
2,4-Dinitrotoluene	3330	3940	ug/kg	118	SW846 8270C
Hexachlorobutadiene	3330	2620	ug/kg	78	SW846 8270C
Hexachloroethane	3330	2450	ug/kg	73	SW846 8270C
2-Methylphenol	3330	2940	ug/kg	88	SW846 8270C
Pentachlorophenol	3330	3200	ug/kg	96	SW846 8270C
2,4,5-Trichloro- phenol	3330	3530	ug/kg	106	SW846 8270C

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: G1F080480      Work Order #...: MKJXJ1AC      Matrix.....: SOLID  
 LCS Lot-Sample#: G1F280000-201

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
<b>2,4,6-Trichloro-phenol</b>	<b>3330</b>	<b>3560</b>	<b>ug/kg</b>	<b>107</b>	<b>SW846 8270C</b>

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
2-Fluorobiphenyl	96	(53 - 103)
2-Fluorophenol	90	(47 - 100)
Nitrobenzene-d5	89	(44 - 98)
Phenol-d5	93	(48 - 102)
Terphenyl-d14	102	(65 - 121)
2,4,6-Tribromophenol	114	(48 - 143)

**NOTE (S) :**

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: G1F080480      Work Order #...: MJ3381CC-MS      Matrix.....: SO  
 MS Lot-Sample #: G1F080480-001      MJ3381CD-MSD  
 Date Sampled...: 06/08/11      Date Received...: 06/09/11  
 Prep Date.....: 06/20/11      Analysis Date...: 06/28/11  
 Prep Batch #...: 1179201  
 Dilution Factor: 14.86

PARAMETER	PERCENT	RECOVERY	RPD		METHOD
	RECOVERY	LIMITS	RPD	LIMITS	
Dimethyl phthalate	0.0 MSA	(61 - 117)			SW846 8270C
	0.0 MSA	(61 - 117)	0.0	(0-30)	SW846 8270C
Di-n-butyl phthalate	0.0 MSA	(63 - 121)			SW846 8270C
	0.0 MSA	(63 - 121)	0.0	(0-30)	SW846 8270C
Di-n-octyl phthalate	0.0 MSA	(63 - 119)			SW846 8270C
	0.0 MSA	(63 - 119)	0.0	(0-30)	SW846 8270C
Fluoranthene	0.0 MSA	(63 - 126)			SW846 8270C
	0.0 MSA	(63 - 126)	0.0	(0-30)	SW846 8270C
Fluorene	0.0 MSA	(59 - 113)			SW846 8270C
	0.0 MSA	(59 - 113)	0.0	(0-30)	SW846 8270C
Hexachlorobenzene	0.0 MSA	(60 - 118)			SW846 8270C
	0.0 MSA	(60 - 118)	0.0	(0-30)	SW846 8270C
Indeno(1,2,3-cd)pyrene	0.0 MSA	(62 - 123)			SW846 8270C
	0.0 MSA	(62 - 123)	0.0	(0-30)	SW846 8270C
2-Methylnaphthalene	0.0 MSA	(52 - 108)			SW846 8270C
	0.0 MSA	(52 - 108)	0.0	(0-30)	SW846 8270C
Naphthalene	0.0 MSA	(46 - 100)			SW846 8270C
	0.0 MSA	(46 - 100)	0.0	(0-30)	SW846 8270C
Nitrobenzene	0.0 MSA	(43 - 101)			SW846 8270C
	0.0 MSA	(43 - 101)	0.0	(0-30)	SW846 8270C
Phenanthrene	0.0 MSA	(60 - 114)			SW846 8270C
	0.0 MSA	(60 - 114)	0.0	(0-30)	SW846 8270C
Pyrene	0.0 MSA	(59 - 115)			SW846 8270C
	0.0 MSA	(59 - 115)	0.0	(0-30)	SW846 8270C
Pyridine	0.0 MSA	(34 - 74)			SW846 8270C
	0.0 MSA	(34 - 74)	0.0	(0-30)	SW846 8270C
Acenaphthene	0.0 MSA	(54 - 107)			SW846 8270C
	0.0 MSA	(54 - 107)	0.0	(0-30)	SW846 8270C
Acenaphthylene	0.0 MSA	(57 - 113)			SW846 8270C
	0.0 MSA	(57 - 113)	0.0	(0-30)	SW846 8270C
Anthracene	0.0 MSA	(61 - 115)			SW846 8270C
	0.0 MSA	(61 - 115)	0.0	(0-30)	SW846 8270C
Benzo (b) fluoranthene	0.0 MSA	(64 - 121)			SW846 8270C
	0.0 MSA	(64 - 121)	0.0	(0-30)	SW846 8270C
Benzo (k) fluoranthene	0.0 MSA	(59 - 124)			SW846 8270C
	0.0 MSA	(59 - 124)	0.0	(0-30)	SW846 8270C
Benzo (ghi) perylene	0.0 MSA	(62 - 123)			SW846 8270C
	0.0 MSA	(62 - 123)	0.0	(0-30)	SW846 8270C
Benzo (a) pyrene	0.0 MSA	(51 - 100)			SW846 8270C
	0.0 MSA	(51 - 100)	0.0	(0-30)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: G1F080480      Work Order #...: MJ3381CC-MS      Matrix.....: SO  
 MS Lot-Sample #: G1F080480-001      MJ3381CD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzo (a) anthracene	0.0 MSA	(71 - 111)			SW846 8270C
	0.0 MSA	(71 - 111)	0.0	(0-30)	SW846 8270C
bis(2-Ethylhexyl) phthalate	0.0 MSA	(62 - 121)			SW846 8270C
	0.0 MSA	(62 - 121)	0.0	(0-30)	SW846 8270C
Butyl benzyl phthalate	0.0 MSA	(61 - 115)			SW846 8270C
	0.0 MSA	(61 - 115)	0.0	(0-30)	SW846 8270C
Chrysene	0.0 MSA	(60 - 113)			SW846 8270C
	0.0 MSA	(60 - 113)	0.0	(0-30)	SW846 8270C
Dibenzo (a, h) anthracene	0.0 MSA	(65 - 123)			SW846 8270C
	0.0 MSA	(65 - 123)	0.0	(0-30)	SW846 8270C
Diethyl phthalate	0.0 MSA	(60 - 118)			SW846 8270C
	0.0 MSA	(60 - 118)	0.0	(0-30)	SW846 8270C
2,4-Dinitrotoluene	0.0 MSA	(64 - 128)			SW846 8270C
	0.0 MSA	(64 - 128)	0.0	(0-30)	SW846 8270C
Hexachlorobutadiene	0.0 MSA	(45 - 104)			SW846 8270C
	0.0 MSA	(45 - 104)	0.0	(0-30)	SW846 8270C
Hexachloroethane	0.0 MSA	(39 - 96)			SW846 8270C
	0.0 MSA	(39 - 96)	0.0	(0-30)	SW846 8270C
2-Methylphenol	0.0 MSA	(49 - 104)			SW846 8270C
	0.0 MSA	(49 - 104)	0.0	(0-30)	SW846 8270C
Pentachlorophenol	0.0 MSA	(50 - 114)			SW846 8270C
	0.0 MSA	(50 - 114)	0.0	(0-30)	SW846 8270C
2,4,5-Trichloro-phenol	0.0 MSA	(63 - 118)			SW846 8270C
	0.0 MSA	(63 - 118)	0.0	(0-30)	SW846 8270C
2,4,6-Trichloro-phenol	0.0 MSA	(60 - 117)			SW846 8270C
	0.0 MSA	(60 - 117)	0.0	(0-30)	SW846 8270C
1,4-Dichlorobenzene	0.0 MSA	(41 - 97)			SW846 8270C
	0.0 MSA	(41 - 97)	0.0	(0-30)	SW846 8270C
SURROGATE		PERCENT RECOVERY		RECOVERY LIMITS	
2-Fluorobiphenyl		0.0 SRD		(53 - 103)	
		0.0 SRD		(53 - 103)	
2-Fluorophenol		0.0 SRD		(47 - 100)	
		0.0 SRD		(47 - 100)	

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: G1F080480      Work Order #...: MJ3381CC-MS      Matrix.....: SO  
MS Lot-Sample #: G1F080480-001      MJ3381CD-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	0.0 SRD	(44 - 98)
	0.0 SRD	(44 - 98)
Phenol-d5	0.0 SRD	(48 - 102)
	0.0 SRD	(48 - 102)
Terphenyl-d14	0.0 SRD	(65 - 121)
	0.0 SRD	(65 - 121)
2,4,6-Tribromophenol	0.0 SRD	(48 - 143)
	0.0 SRD	(48 - 143)

**NOTE (S) :**

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MSA The recovery and RPD were not calculated because the sample was diluted beyond the ability to quantitate a recovery.

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: G1F080480      Work Order #...: MJ3381CC-MS      Matrix.....: SO  
 MS Lot-Sample #: G1F080480-001      MJ3381CD-MSD  
 Date Sampled...: 06/08/11      Date Received...: 06/09/11  
 Prep Date.....: 06/20/11      Analysis Date...: 06/28/11  
 Prep Batch #...: 1179201  
 Dilution Factor: 14.86

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Dimethyl phthalate	ND	3590		ug/kg	0.0		SW846 8270C
			Qualifiers: MSA				
	ND	3560		ug/kg	0.0	0.0	SW846 8270C
			Qualifiers: MSA				
Di-n-butyl phthalate	ND	3590		ug/kg	0.0		SW846 8270C
			Qualifiers: MSA				
	ND	3560		ug/kg	0.0	0.0	SW846 8270C
			Qualifiers: MSA				
Di-n-octyl phthalate	ND	3590		ug/kg	0.0		SW846 8270C
			Qualifiers: MSA				
	ND	3560		ug/kg	0.0	0.0	SW846 8270C
			Qualifiers: MSA				
Fluoranthene	ND	3590		ug/kg	0.0		SW846 8270C
			Qualifiers: MSA				
	ND	3560		ug/kg	0.0	0.0	SW846 8270C
			Qualifiers: MSA				
Fluorene	ND	3590		ug/kg	0.0		SW846 8270C
			Qualifiers: MSA				
	ND	3560		ug/kg	0.0	0.0	SW846 8270C
			Qualifiers: MSA				
Hexachlorobenzene	ND	3590		ug/kg	0.0		SW846 8270C
			Qualifiers: MSA				
	ND	3560		ug/kg	0.0	0.0	SW846 8270C
			Qualifiers: MSA				
Indeno(1,2,3-cd)pyrene	ND	3590		ug/kg	0.0		SW846 8270C
			Qualifiers: MSA				
	ND	3560		ug/kg	0.0	0.0	SW846 8270C
			Qualifiers: MSA				
2-Methylnaphthalene	ND	3590		ug/kg	0.0		SW846 8270C
			Qualifiers: MSA				
	ND	3560		ug/kg	0.0	0.0	SW846 8270C
			Qualifiers: MSA				
Naphthalene	ND	3590		ug/kg	0.0		SW846 8270C
			Qualifiers: MSA				
	ND	3560		ug/kg	0.0	0.0	SW846 8270C
			Qualifiers: MSA				
Nitrobenzene	ND	3590		ug/kg	0.0		SW846 8270C
			Qualifiers: MSA				
	ND	3560		ug/kg	0.0	0.0	SW846 8270C
			Qualifiers: MSA				

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: G1F080480      Work Order #...: MJ3381CC-MS      Matrix.....: SO  
 MS Lot-Sample #: G1F080480-001      MJ3381CD-MSD

PARAMETER	SAMPLE	SPIKE	MEASRD	UNITS	PERCNT		METHOD
	AMOUNT	AMT	AMOUNT		RECVRY	RPD	
Phenanthrene	ND	3590		ug/kg	0.0		SW846 8270C
		Qualifiers: MSA					
	ND	3560		ug/kg	0.0	0.0	SW846 8270C
		Qualifiers: MSA					
Pyrene	ND	3590		ug/kg	0.0		SW846 8270C
		Qualifiers: MSA					
	ND	3560		ug/kg	0.0	0.0	SW846 8270C
		Qualifiers: MSA					
Pyridine	ND	3590		ug/kg	0.0		SW846 8270C
		Qualifiers: MSA					
	ND	3560		ug/kg	0.0	0.0	SW846 8270C
		Qualifiers: MSA					
Acenaphthene	ND	3590		ug/kg	0.0		SW846 8270C
		Qualifiers: MSA					
	ND	3560		ug/kg	0.0	0.0	SW846 8270C
		Qualifiers: MSA					
Acenaphthylene	ND	3590		ug/kg	0.0		SW846 8270C
		Qualifiers: MSA					
	ND	3560		ug/kg	0.0	0.0	SW846 8270C
		Qualifiers: MSA					
Anthracene	ND	3590		ug/kg	0.0		SW846 8270C
		Qualifiers: MSA					
	ND	3560		ug/kg	0.0	0.0	SW846 8270C
		Qualifiers: MSA					
Benzo (b) fluoranthene	ND	3590		ug/kg	0.0		SW846 8270C
		Qualifiers: MSA					
	ND	3560		ug/kg	0.0	0.0	SW846 8270C
		Qualifiers: MSA					
Benzo (k) fluoranthene	ND	3590		ug/kg	0.0		SW846 8270C
		Qualifiers: MSA					
	ND	3560		ug/kg	0.0	0.0	SW846 8270C
		Qualifiers: MSA					
Benzo (ghi) perylene	ND	3590		ug/kg	0.0		SW846 8270C
		Qualifiers: MSA					
	ND	3560		ug/kg	0.0	0.0	SW846 8270C
		Qualifiers: MSA					
Benzo (a) pyrene	ND	3590		ug/kg	0.0		SW846 8270C
		Qualifiers: MSA					
	ND	3560		ug/kg	0.0	0.0	SW846 8270C
		Qualifiers: MSA					
Benzo (a) anthracene	ND	3590		ug/kg	0.0		SW846 8270C
		Qualifiers: MSA					
	ND	3560		ug/kg	0.0	0.0	SW846 8270C
		Qualifiers: MSA					

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: G1F080480      Work Order #...: MJ3381CC-MS      Matrix.....: SO  
 MS Lot-Sample #: G1F080480-001      MJ3381CD-MSD

PARAMETER	SAMPLE	SPIKE	MEASRD	UNITS	PERCNT		METHOD
	AMOUNT	AMT	AMOUNT		RECVRY	RPD	
bis(2-Ethylhexyl) phthalate	ND	3590		ug/kg	0.0		SW846 8270C
		Qualifiers: MSA					
Butyl benzyl phthalate	ND	3560		ug/kg	0.0	0.0	SW846 8270C
		Qualifiers: MSA					
Chrysene	ND	3590		ug/kg	0.0		SW846 8270C
		Qualifiers: MSA					
Dibenzo(a,h)anthracene	ND	3560		ug/kg	0.0	0.0	SW846 8270C
		Qualifiers: MSA					
Diethyl phthalate	ND	3590		ug/kg	0.0		SW846 8270C
		Qualifiers: MSA					
2,4-Dinitrotoluene	ND	3560		ug/kg	0.0	0.0	SW846 8270C
		Qualifiers: MSA					
Hexachlorobutadiene	ND	3590		ug/kg	0.0		SW846 8270C
		Qualifiers: MSA					
Hexachloroethane	ND	3560		ug/kg	0.0	0.0	SW846 8270C
		Qualifiers: MSA					
2-Methylphenol	ND	3590		ug/kg	0.0		SW846 8270C
		Qualifiers: MSA					
Pentachlorophenol	ND	3560		ug/kg	0.0	0.0	SW846 8270C
		Qualifiers: MSA					

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: G1F080480      Work Order #...: MJ3381CC-MS      Matrix.....: SO  
 MS Lot-Sample #: G1F080480-001      MJ3381CD-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2,4,5-Trichloro-phenol	ND	3590		ug/kg	0.0		SW846 8270C
			Qualifiers: MSA				
2,4,6-Trichloro-phenol	ND	3560		ug/kg	0.0	0.0	SW846 8270C
			Qualifiers: MSA				
1,4-Dichlorobenzene	ND	3590		ug/kg	0.0		SW846 8270C
			Qualifiers: MSA				
	ND	3560		ug/kg	0.0	0.0	SW846 8270C
			Qualifiers: MSA				

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorobiphenyl	0.0 SRD	(53 - 103)
2-Fluorophenol	0.0 SRD	(53 - 103)
Nitrobenzene-d5	0.0 SRD	(47 - 100)
Phenol-d5	0.0 SRD	(47 - 100)
Terphenyl-d14	0.0 SRD	(44 - 98)
2,4,6-Tribromophenol	0.0 SRD	(44 - 98)
	0.0 SRD	(48 - 102)
	0.0 SRD	(48 - 102)
	0.0 SRD	(65 - 121)
	0.0 SRD	(65 - 121)
	0.0 SRD	(48 - 143)
	0.0 SRD	(48 - 143)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters  
 Results and reporting limits have been adjusted for dry weight.  
 MSA The recovery and RPD were not calculated because the sample was diluted beyond the ability to quantitate a recovery.  
 SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

# Metals - Various Methods

ENVIRON International Corp.

Client Sample ID: SP-C24-1A

TOTAL Metals

Lot-Sample #...: G1F080480-001

Matrix.....: SO

Date Sampled...: 06/08/11

Date Received..: 06/09/11

% Moisture.....: 8.0

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 1172051						
Silver	0.14	0.11	mg/kg	SW846 6020	06/21-06/22/11	MJ3381AD
		Dilution Factor: 1		MDL.....: 0.033		
Arsenic	3.3	0.22	mg/kg	SW846 6020	06/21-06/22/11	MJ3381AE
		Dilution Factor: 1		MDL.....: 0.16		
Barium	249	0.11	mg/kg	SW846 6020	06/21-06/22/11	MJ3381AF
		Dilution Factor: 1		MDL.....: 0.098		
Cadmium	0.88	0.11	mg/kg	SW846 6020	06/21-06/22/11	MJ3381AG
		Dilution Factor: 1		MDL.....: 0.054		
Chromium	15.6	0.22	mg/kg	SW846 6020	06/21-06/22/11	MJ3381AH
		Dilution Factor: 1		MDL.....: 0.11		
Lead	19.4	0.11	mg/kg	SW846 6020	06/21-06/22/11	MJ3381AJ
		Dilution Factor: 1		MDL.....: 0.065		
Selenium	0.43	0.22	mg/kg	SW846 6020	06/21-06/22/11	MJ3381AK
		Dilution Factor: 1		MDL.....: 0.11		
Prep Batch #...: 1172162						
Mercury	0.022 B	0.043	mg/kg	SW846 7471A	06/22/11	MJ3381AL
		Dilution Factor: 1		MDL.....: 0.0093		

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

ENVIRON International Corp.

Client Sample ID: SP-C24-1B

TOTAL Metals

Lot-Sample #...: G1F080480-002  
 Date Sampled...: 06/08/11  
 % Moisture.....: 8.4

Date Received..: 06/09/11

Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1172051						
Silver	0.15	0.11	mg/kg	SW846 6020	06/21-06/22/11	MJ3391AD
		Dilution Factor: 1		MDL.....: 0.033		
Arsenic	3.7	0.22	mg/kg	SW846 6020	06/21-06/22/11	MJ3391AE
		Dilution Factor: 1		MDL.....: 0.16		
Barium	321	0.11	mg/kg	SW846 6020	06/21-06/22/11	MJ3391AF
		Dilution Factor: 1		MDL.....: 0.098		
Cadmium	0.95	0.11	mg/kg	SW846 6020	06/21-06/22/11	MJ3391AG
		Dilution Factor: 1		MDL.....: 0.055		
Chromium	18.3	0.22	mg/kg	SW846 6020	06/21-06/22/11	MJ3391AH
		Dilution Factor: 1		MDL.....: 0.11		
Lead	15.5	0.11	mg/kg	SW846 6020	06/21-06/22/11	MJ3391AJ
		Dilution Factor: 1		MDL.....: 0.065		
Selenium	0.41	0.22	mg/kg	SW846 6020	06/21-06/22/11	MJ3391AK
		Dilution Factor: 1		MDL.....: 0.11		
Prep Batch #...: 1172162						
Mercury	0.019 B	0.044	mg/kg	SW846 7471A	06/22/11	MJ3391AL
		Dilution Factor: 1		MDL.....: 0.0094		

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.



ENVIRON International Corp.

Client Sample ID: SP-C24-1C

TOTAL Metals

Lot-Sample #...: G1F080480-003

Matrix.....: SO

Date Sampled...: 06/08/11

Date Received...: 06/09/11

% Moisture.....: 10

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 1172051						
Silver	0.19	0.11	mg/kg	SW846 6020	06/21-06/22/11	MJ34A1AD
		Dilution Factor: 1		MDL.....: 0.034		
Arsenic	6.4	0.22	mg/kg	SW846 6020	06/21-06/22/11	MJ34A1AE
		Dilution Factor: 1		MDL.....: 0.17		
Barium	529	0.11	mg/kg	SW846 6020	06/21-06/22/11	MJ34A1AF
		Dilution Factor: 1		MDL.....: 0.10		
Cadmium	1.2	0.11	mg/kg	SW846 6020	06/21-06/22/11	MJ34A1AG
		Dilution Factor: 1		MDL.....: 0.056		
Chromium	18.2	0.22	mg/kg	SW846 6020	06/21-06/22/11	MJ34A1AH
		Dilution Factor: 1		MDL.....: 0.11		
Lead	29.8	0.11	mg/kg	SW846 6020	06/21-06/22/11	MJ34A1AJ
		Dilution Factor: 1		MDL.....: 0.067		
Selenium	0.59	0.22	mg/kg	SW846 6020	06/21-06/22/11	MJ34A1AK
		Dilution Factor: 1		MDL.....: 0.11		
Prep Batch #...: 1172162						
Mercury	0.032 B	0.045	mg/kg	SW846 7471A	06/22/11	MJ34A1AL
		Dilution Factor: 1		MDL.....: 0.0096		

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

ENVIRON International Corp.

Client Sample ID: SP-C24-1D

TOTAL Metals

Lot-Sample #...: G1F080480-004

Matrix.....: SO

Date Sampled...: 06/08/11

Date Received...: 06/09/11

% Moisture.....: 8.6

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
Prep Batch #...: 1172051						
Silver	0.15	0.11	mg/kg	SW846 6020	06/21-06/22/11	MJ34C1AD
		Dilution Factor: 1		MDL.....: 0.033		
Arsenic	3.4	0.22	mg/kg	SW846 6020	06/21-06/22/11	MJ34C1AE
		Dilution Factor: 1		MDL.....: 0.16		
Barium	270	0.11	mg/kg	SW846 6020	06/21-06/22/11	MJ34C1AF
		Dilution Factor: 1		MDL.....: 0.098		
Cadmium	0.98	0.11	mg/kg	SW846 6020	06/21-06/22/11	MJ34C1AG
		Dilution Factor: 1		MDL.....: 0.055		
Chromium	17.5	0.22	mg/kg	SW846 6020	06/21-06/22/11	MJ34C1AH
		Dilution Factor: 1		MDL.....: 0.11		
Lead	23.4	0.11	mg/kg	SW846 6020	06/21-06/22/11	MJ34C1AJ
		Dilution Factor: 1		MDL.....: 0.066		
Selenium	0.46	0.22	mg/kg	SW846 6020	06/21-06/22/11	MJ34C1AK
		Dilution Factor: 1		MDL.....: 0.11		
Prep Batch #...: 1172162						
Mercury	0.019 B	0.044	mg/kg	SW846 7471A	06/22/11	MJ34C1AL
		Dilution Factor: 1		MDL.....: 0.0094		

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

# QC DATA ASSOCIATION SUMMARY

G1F080480

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SO	SW846 6020		1172051	1172039
	SO	ASTM D 2216-90		1172106	
	SO	SW846 7471A		1172162	1172098
	SO	SW846 8081A		1171114	1171082
	SO	SW846 8260B		1173053	1173030
	SO	SW846 8270C		1171113	1171081
002	SO	SW846 6020		1172051	1172039
	SO	ASTM D 2216-90		1172106	
	SO	SW846 7471A		1172162	1172098
	SO	SW846 8081A		1171114	1171082
	SO	SW846 8260B		1173053	1173030
	SO	SW846 8270C		1171113	1171081
003	SO	SW846 6020		1172051	1172039
	SO	ASTM D 2216-90		1172106	
	SO	SW846 7471A		1172162	1172098
	SO	SW846 8081A		1171114	1171082
	SO	SW846 8260B		1173053	1173030
	SO	SW846 8270C		1171113	1171081
004	SO	SW846 6020		1172051	1172039
	SO	ASTM D 2216-90		1172106	
	SO	SW846 7471A		1172162	1172098
	SO	SW846 8081A		1171114	1171082
	SO	SW846 8260B		1173053	1173030
	SO	SW846 8270C		1171113	1171081

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: G1F080480

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS			
<b>MB Lot-Sample #:</b> G1F210000-051 <b>Prep Batch #...:</b> 1172051						
Arsenic	ND	0.20	mg/kg	SW846 6020	06/21-06/22/11	MKDP91AC
		Dilution Factor: 1				
Barium	ND	0.10	mg/kg	SW846 6020	06/21-06/22/11	MKDP91AD
		Dilution Factor: 1				
Cadmium	ND	0.10	mg/kg	SW846 6020	06/21-06/22/11	MKDP91AE
		Dilution Factor: 1				
Chromium	ND	0.20	mg/kg	SW846 6020	06/21-06/22/11	MKDP91AF
		Dilution Factor: 1				
Lead	ND	0.10	mg/kg	SW846 6020	06/21-06/22/11	MKDP91AG
		Dilution Factor: 1				
Selenium	ND	0.20	mg/kg	SW846 6020	06/21-06/22/11	MKDP91AH
		Dilution Factor: 1				
Silver	ND	0.10	mg/kg	SW846 6020	06/21-06/22/11	MKDP91AA
		Dilution Factor: 1				
<b>MB Lot-Sample #:</b> G1F210000-162 <b>Prep Batch #...:</b> 1172162						
Mercury	ND	0.040	mg/kg	SW846 7471A	06/22/11	MKEEK1AA
		Dilution Factor: 1				

**NOTE(S) :**

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

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**TOTAL Metals**

Client Lot #...: G1F080480

Matrix.....: SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>LCS Lot-Sample#:</b> G1F210000-051 <b>Prep Batch #...:</b> 1172051					
Silver	97	(44 - 128)	SW846 6020	06/21-06/22/11	MKDP91AJ
		Dilution Factor: 1			
Arsenic	94	(81 - 110)	SW846 6020	06/21-06/22/11	MKDP91AK
		Dilution Factor: 1			
Barium	98	(89 - 110)	SW846 6020	06/21-06/22/11	MKDP91AL
		Dilution Factor: 1			
Cadmium	94	(83 - 110)	SW846 6020	06/21-06/22/11	MKDP91AM
		Dilution Factor: 1			
Chromium	100	(88 - 113)	SW846 6020	06/21-06/22/11	MKDP91AN
		Dilution Factor: 1			
Lead	99	(87 - 113)	SW846 6020	06/21-06/22/11	MKDP91AP
		Dilution Factor: 1			
Selenium	93	(75 - 110)	SW846 6020	06/21-06/22/11	MKDP91AQ
		Dilution Factor: 1			
<b>LCS Lot-Sample#:</b> G1F210000-162 <b>Prep Batch #...:</b> 1172162					
Mercury	103	(86 - 114)	SW846 7471A	06/22/11	MKEEK1AC
		Dilution Factor: 1			

**NOTE(S):**

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

**LABORATORY CONTROL SAMPLE DATA REPORT**

**TOTAL Metals**

Client Lot #...: G1F080480

Matrix.....: SOLID

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCNT RECVRY</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>LCS Lot-Sample#:</b> G1F210000-051 <b>Prep Batch #...</b> : 1172051							
Silver	5.00	4.85	mg/kg	97	SW846 6020	06/21-06/22/11	MKDP91AJ
			Dilution Factor: 1				
Arsenic	20.0	18.7	mg/kg	94	SW846 6020	06/21-06/22/11	MKDP91AK
			Dilution Factor: 1				
Barium	20.0	19.6	mg/kg	98	SW846 6020	06/21-06/22/11	MKDP91AL
			Dilution Factor: 1				
Cadmium	20.0	18.9	mg/kg	94	SW846 6020	06/21-06/22/11	MKDP91AM
			Dilution Factor: 1				
Chromium	20.0	20.1	mg/kg	100	SW846 6020	06/21-06/22/11	MKDP91AN
			Dilution Factor: 1				
Lead	20.0	19.8	mg/kg	99	SW846 6020	06/21-06/22/11	MKDP91AP
			Dilution Factor: 1				
Selenium	20.0	18.5	mg/kg	93	SW846 6020	06/21-06/22/11	MKDP91AQ
			Dilution Factor: 1				
<b>LCS Lot-Sample#:</b> G1F210000-162 <b>Prep Batch #...</b> : 1172162							
Mercury	0.0833	0.0858	mg/kg	103	SW846 7471A	06/22/11	MKEEK1AC
			Dilution Factor: 1				

**NOTE(S) :**

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

**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**TOTAL Metals**

Client Lot #...: G1F080480

Matrix.....: SO

Date Sampled...: 06/08/11

Date Received...: 06/09/11

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>MS Lot-Sample #: G1F080480-001 Prep Batch #...: 1172051</b>							
Arsenic	86	(81 - 110)			SW846 6020	06/21-06/22/11	MJ3381AT
	87	(81 - 110)	3.4	(0-20)	SW846 6020	06/21-06/22/11	MJ3381AU
			Dilution Factor: 1				
Barium	90	(89 - 110)			SW846 6020	06/21-06/22/11	MJ3381AV
	0.0 N	(89 - 110)	0.0	(0-20)	SW846 6020	06/21-06/22/11	MJ3381AW
			Dilution Factor: 1				
Cadmium	85	(83 - 110)			SW846 6020	06/21-06/22/11	MJ3381AX
	84	(83 - 110)	1.7	(0-20)	SW846 6020	06/21-06/22/11	MJ3381A0
			Dilution Factor: 1				
Chromium	102	(88 - 113)			SW846 6020	06/21-06/22/11	MJ3381A1
	90	(88 - 113)	5.2	(0-20)	SW846 6020	06/21-06/22/11	MJ3381A2
			Dilution Factor: 1				
Lead	120 N	(87 - 113)			SW846 6020	06/21-06/22/11	MJ3381A3
	91	(87 - 113)	13	(0-20)	SW846 6020	06/21-06/22/11	MJ3381A4
			Dilution Factor: 1				
Selenium	88	(75 - 110)			SW846 6020	06/21-06/22/11	MJ3381A5
	88	(75 - 110)	2.3	(0-20)	SW846 6020	06/21-06/22/11	MJ3381A6
			Dilution Factor: 1				
Silver	85	(44 - 128)			SW846 6020	06/21-06/22/11	MJ3381AQ
	83	(44 - 128)	1.5	(0-47)	SW846 6020	06/21-06/22/11	MJ3381AR
			Dilution Factor: 1				

**MS Lot-Sample #: G1F080480-001 Prep Batch #...: 1172162**

Mercury	90	(86 - 114)			SW846 7471A	06/22/11	MJ3381A8
	85 N	(86 - 114)	2.0	(0-17)	SW846 7471A	06/22/11	MJ3381A9
			Dilution Factor: 1				

**NOTE(S) :**

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

Results and reporting limits have been adjusted for dry weight.

N Spiked analyte recovery is outside stated control limits.

**MATRIX SPIKE SAMPLE DATA REPORT**

**TOTAL Metals**

Client Lot #...: G1F080480  
 Date Sampled...: 06/08/11

Date Received...: 06/09/11

Matrix.....: SO

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: G1F080480-001 Prep Batch #...: 1172051

**Arsenic**

3.3	20.7	21.1	mg/kg	86			SW846 6020	06/21-06/22/11	MJ3381AT
3.3	21.3	21.8	mg/kg	87	3.4		SW846 6020	06/21-06/22/11	MJ3381AU
Dilution Factor: 1									

**Barium**

249	20.7	268	mg/kg	90			SW846 6020	06/21-06/22/11	MJ3381AV
249	21.3	243 N	mg/kg	0.0	0.0		SW846 6020	06/21-06/22/11	MJ3381AW
Dilution Factor: 1									

**Cadmium**

0.88	20.7	18.4	mg/kg	85			SW846 6020	06/21-06/22/11	MJ3381AX
0.88	21.3	18.7	mg/kg	84	1.7		SW846 6020	06/21-06/22/11	MJ3381A0
Dilution Factor: 1									

**Chromium**

15.6	20.7	36.7	mg/kg	102			SW846 6020	06/21-06/22/11	MJ3381A1
15.6	21.3	34.8	mg/kg	90	5.2		SW846 6020	06/21-06/22/11	MJ3381A2
Dilution Factor: 1									

**Lead**

19.4	20.7	44.2 N	mg/kg	120			SW846 6020	06/21-06/22/11	MJ3381A3
19.4	21.3	38.9	mg/kg	91	13		SW846 6020	06/21-06/22/11	MJ3381A4
Dilution Factor: 1									

**Selenium**

0.43	20.7	18.7	mg/kg	88			SW846 6020	06/21-06/22/11	MJ3381A5
0.43	21.3	19.1	mg/kg	88	2.3		SW846 6020	06/21-06/22/11	MJ3381A6
Dilution Factor: 1									

**Silver**

0.14	5.18	4.52	mg/kg	85			SW846 6020	06/21-06/22/11	MJ3381AQ
0.14	5.33	4.59	mg/kg	83	1.5		SW846 6020	06/21-06/22/11	MJ3381AR
Dilution Factor: 1									

MS Lot-Sample #: G1F080480-001 Prep Batch #...: 1172162

**Mercury**

0.022	0.286	0.280	mg/kg	90			SW846 7471A	06/22/11	MJ3381A8
0.022	0.296	0.275 N	mg/kg	85	2.0		SW846 7471A	06/22/11	MJ3381A9
Dilution Factor: 1									

**NOTE (S) :**

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

Results and reporting limits have been adjusted for dry weight.

N Spiked analyte recovery is outside stated control limits.



# SOLID, D 2216-90, Moisture, Percent

ENVIRON International Corp.

Client Sample ID: SP-C24-1A

General Chemistry

Lot-Sample #...: G1F080480-001    Work Order #...: MJ338    Matrix.....: SO  
Date Sampled...: 06/08/11    Date Received...: 06/09/11  
% Moisture.....: 8.0

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	8.0	0.10	%	ASTM D 2216-90	06/21-06/22/11	1172106

Dilution Factor: 1

ENVIRON International Corp.

Client Sample ID: SP-C24-1B

General Chemistry

Lot-Sample #....: G1F080480-002

Work Order #....: MJ339

Matrix.....: SO

Date Sampled....: 06/08/11

Date Received...: 06/09/11

% Moisture.....: 8.4

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	8.4	0.10	%	ASTM D 2216-90	06/21-06/22/11	1172106

Dilution Factor: 1

ENVIRON International Corp.

Client Sample ID: SP-C24-1C

General Chemistry

Lot-Sample #....: G1F080480-003

Work Order #....: MJ34A

Matrix.....: SO

Date Sampled....: 06/08/11

Date Received...: 06/09/11

% Moisture.....: 10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	10.5	0.10	%	ASTM D 2216-90	06/21-06/22/11	1172106

Dilution Factor: 1

ENVIRON International Corp.

Client Sample ID: SP-C24-1D

General Chemistry

Lot-Sample #...: G1F080480-004    Work Order #...: MJ34C    Matrix.....: SO  
Date Sampled...: 06/08/11    Date Received...: 06/09/11  
% Moisture.....: 8.6

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	8.6	0.10	%	ASTM D 2216-90	06/21-06/22/11	1172106

Dilution Factor: 1

# QC DATA ASSOCIATION SUMMARY

G1F080480

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SO	SW846 6020		1172051	1172039
	SO	ASTM D 2216-90		1172106	
	SO	SW846 7471A		1172162	1172098
	SO	SW846 8081A		1171114	1171082
	SO	SW846 8260B		1173053	1173030
	SO	SW846 8270C		1171113	1171081
002	SO	SW846 6020		1172051	1172039
	SO	ASTM D 2216-90		1172106	
	SO	SW846 7471A		1172162	1172098
	SO	SW846 8081A		1171114	1171082
	SO	SW846 8260B		1173053	1173030
	SO	SW846 8270C		1171113	1171081
003	SO	SW846 6020		1172051	1172039
	SO	ASTM D 2216-90		1172106	
	SO	SW846 7471A		1172162	1172098
	SO	SW846 8081A		1171114	1171082
	SO	SW846 8260B		1173053	1173030
	SO	SW846 8270C		1171113	1171081
004	SO	SW846 6020		1172051	1172039
	SO	ASTM D 2216-90		1172106	
	SO	SW846 7471A		1172162	1172098
	SO	SW846 8081A		1171114	1171082
	SO	SW846 8260B		1173053	1173030
	SO	SW846 8270C		1171113	1171081

TestAmerica Laboratories, Inc.

## ANALYTICAL REPORT

NERT

Lot #: F1G010432A

ENVIRON International Corp.

ENVIRON International Corp.  
6001 Shellmound St. Suite 700  
Emeryville, CA 94608

TESTAMERICA LABORATORIES, INC.

  
Kay Clay  
Project Manager

July 11, 2011

Case Narrative  
LOT NUMBER: F1G010432  
Revised 07-20-11

This report contains the analytical results for the eight samples received under chain of custody by TestAmerica St. Louis on July 1, 2011. These samples are associated with your NERT project.

The analytical results included in this report meet all applicable quality control procedure requirements except as noted below.

The test results in this report meet all NELAP requirements for parameters in which accreditations are held by TestAmerica St. Louis. Any exceptions to NELAP requirements are noted in the case narrative. **TestAmerica St. Louis' Florida certification number is E87689.** The case narrative is an integral part of this report.

This report shall not be reproduced, except in full, without the written approval of the laboratory.

All chemical analysis results are based upon sample as received, wet weight, unless noted otherwise. All radiochemistry results are based upon sample as dried and ground with the exception of tritium, unless requested wet weight by the client.

**Observations/Nonconformances**

Reference the chain of custody and condition upon receipt report for any variations on receipt conditions and temperature of samples on receipt.

**PCBS Method: 8082**

Batch 1186122

The MS/MSD was not analyzed due to significant matrix interferences observed in the associated sample, requiring a large dilution. Performing a sample dilution would cause the surrogates and/or matrix spike compounds to be diluted below reliable detection, making QC recoveries unreliable.

**Affected Samples:**

F1G010432 (1): SP-C24-1E

F1G010432 (2): SP-C24-1F

F1G010432 (3): SP-C24-1G

F1G010432 (4): SP-C24-1H

**Metals Method: 6010B**

Batch 1186031

The samples were analyzed at a dilution due to high concentrations of interfering elements. The reporting limit has been adjusted for the dilution.

The sulfur MS recovery for sulfur is outside the established QC limits for the batch QC. The RPD is within method acceptance criteria indicating a possible matrix interference. Method performance is demonstrated by acceptable LCS recovery. No further action is required.

**Affected Samples:**

F1G010432 (1): SP-C24-1E

F1G010432 (2): SP-C24-1F

F1G010432 (3): SP-C24-1G

F1G010432 (4): SP-C24-1H



**METHODS SUMMARY**

F1G010432

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD
PCBs by SW-846 8082	SW846 8082	SW846 3550B/366
Reactive Cyanide	SW846 7.3.3	SW846 7.3.3
Reactive Sulfide	SW846 7.3.4	SW846 7.3.4
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	

**References:**

- MCAWW "Methods for Chemical Analysis of Water and Wastes",  
EPA-600/4-79-020, March 1983 and subsequent revisions.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical  
Methods", Third Edition, November 1986 and its updates.

**Reactive Sulfide Method: 7.3.4**

Batch 1186050

The recovery for the LCS is outside the established QC limits. Since the test is semi-qualitative no further action is required.

**Affected Samples:**

F1G010432 (1): SP-C24-1E

F1G010432 (2): SP-C24-1F

F1G010432 (3): SP-C24-1G

F1G010432 (4): SP-C24-1H

**Reactive Cyanide Method: 7.3.3**

Batch 1187054

The recovery for the MS is outside the established QC limits for the batch QC. Since this test is semi-qualitative no further action is required.

In addition, the LCS required a dilution to be performed to bring it within the calibration range.

**Affected Samples:**

F1G010432 (1): SP-C24-1E

F1G010432 (2): SP-C24-1F

F1G010432 (3): SP-C24-1G

F1G010432 (4): SP-C24-1H

**SAMPLE SUMMARY**

F1G010432

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
MKL23	001	SP-C24-1E	06/30/11	10:25
MKL24	002	SP-C24-1F	06/30/11	10:35
MKL25	003	SP-C24-1G	06/30/11	10:45
MKL26	004	SP-C24-1H	06/30/11	10:55

**NOTE (S) :**

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

ENVIRON International Corp.

Client Sample ID: SP-C24-1E

GC Semivolatiles

Lot-Sample #....: F1G010432-001    Work Order #....: MKL231AF    Matrix.....: SOLID  
 Date Sampled...: 06/30/11 10:25    Date Received...: 07/01/11  
 Prep Date.....: 07/05/11    Analysis Date...: 07/08/11  
 Prep Batch #....: 1186122    Analysis Time...: 11:19  
 Dilution Factor: 1  
 % Moisture.....: 12    Method.....: SW846 8082

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aroclor 1016	ND	37	ug/kg
Aroclor 1221	ND	37	ug/kg
Aroclor 1232	ND	37	ug/kg
Aroclor 1242	ND	37	ug/kg
Aroclor 1248	ND	37	ug/kg
Aroclor 1254	ND	37	ug/kg
Aroclor 1260	ND	37	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Decachlorobiphenyl	105	(54 - 150)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight.

ENVIRON International Corp.

Client Sample ID: SP-C24-1E

TOTAL Metals

Lot-Sample #...: F1G010432-001

Matrix.....: SOLID

Date Sampled...: 06/30/11 10:25 Date Received...: 07/01/11

% Moisture.....: 12

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...	1186031					
Sulfur	ND	11400	mg/kg	SW846 6010B	07/05-07/06/11	MKL231AG
		Dilution Factor: 20		Analysis Time...: 14:42		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

ENVIRON International Corp.

Client Sample ID: SP-C24-1E

General Chemistry

Lot-Sample #...: F1G010432-001    Work Order #...: MKL23    Matrix.....: SOLID  
 Date Sampled...: 06/30/11 10:25    Date Received...: 07/01/11  
 % Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Moisture	12.0	0.10	%	MCAWW 160.3 MOD	07/06-07/07/11	1187016
		Dilution Factor: 1		Analysis Time...: 00:00		
Reactive Cyanide	ND	0.28	mg/kg	SW846 7.3.3	07/06-07/07/11	1187054
		Dilution Factor: 1		Analysis Time...: 18:25		
Reactive Sulfide	90.9	25.2	mg/kg	SW846 7.3.4	07/06-07/07/11	1186050
		Dilution Factor: 1		Analysis Time...: 00:00		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

ENVIRON International Corp.

Client Sample ID: SP-C24-1F

GC Semivolatiles

Lot-Sample #....: F1G010432-002    Work Order #....: MKL241AF    Matrix.....: SOLID  
 Date Sampled...: 06/30/11 10:35    Date Received...: 07/01/11  
 Prep Date.....: 07/05/11    Analysis Date...: 07/08/11  
 Prep Batch #....: 1186122    Analysis Time...: 11:38  
 Dilution Factor: 1  
 % Moisture.....: 9.7    Method.....: SW846 8082

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aroclor 1016	ND	37	ug/kg
Aroclor 1221	ND	37	ug/kg
Aroclor 1232	ND	37	ug/kg
Aroclor 1242	ND	37	ug/kg
Aroclor 1248	ND	37	ug/kg
Aroclor 1254	ND	37	ug/kg
Aroclor 1260	ND	37	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Decachlorobiphenyl	96	(54 - 150)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

ENVIRON International Corp.

Client Sample ID: SP-C24-1F

TOTAL Metals

Lot-Sample #...: F1G010432-002

Matrix.....: SOLID

Date Sampled...: 06/30/11 10:35 Date Received...: 07/01/11

% Moisture.....: 9.7

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Prep Batch #...	1186031						
Sulfur	ND	11100	mg/kg		SW846 6010B	07/05-07/06/11	MKL241AG
		Dilution Factor: 20			Analysis Time...: 14:48		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.



ENVIRON International Corp.

Client Sample ID: SP-C24-1F

General Chemistry

Lot-Sample #...: F1G010432-002    Work Order #...: MKL24    Matrix.....: SOLID  
 Date Sampled...: 06/30/11 10:35    Date Received...: 07/01/11  
 % Moisture.....: 9.7

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Moisture	9.7	0.10	%	MCAWW 160.3 MOD	07/06-07/07/11	1187016
		Dilution Factor: 1		Analysis Time..: 00:00		
Reactive Cyanide	ND	0.28	mg/kg	SW846 7.3.3	07/06-07/07/11	1187054
		Dilution Factor: 1		Analysis Time..: 18:35		
Reactive Sulfide	88.6	24.6	mg/kg	SW846 7.3.4	07/06-07/07/11	1186050
		Dilution Factor: 1		Analysis Time..: 00:00		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

ENVIRON International Corp.

Client Sample ID: SP-C24-1G

GC Semivolatiles

Lot-Sample #....: F1G010432-003    Work Order #....: MKL251AF    Matrix.....: SOLID  
 Date Sampled...: 06/30/11 10:45    Date Received...: 07/01/11  
 Prep Date.....: 07/05/11    Analysis Date...: 07/08/11  
 Prep Batch #....: 1186122    Analysis Time...: 11:57  
 Dilution Factor: 1  
 % Moisture.....: 9.4    Method.....: SW846 8082

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aroclor 1016	ND	36	ug/kg
Aroclor 1221	ND	36	ug/kg
Aroclor 1232	ND	36	ug/kg
Aroclor 1242	ND	36	ug/kg
Aroclor 1248	ND	36	ug/kg
Aroclor 1254	ND	36	ug/kg
Aroclor 1260	ND	36	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Decachlorobiphenyl	79	(54 - 150)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

ENVIRON International Corp.

Client Sample ID: SP-C24-1G

TOTAL Metals

Lot-Sample #...: F1G010432-003

Matrix.....: SOLID

Date Sampled...: 06/30/11 10:45 Date Received...: 07/01/11

% Moisture.....: 9.4

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...	1186031					
Sulfur	2910 B	11000	mg/kg	SW846 6010B	07/05-07/06/11	MKL251AG
		Dilution Factor: 20		Analysis Time...: 14:54		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

ENVIRON International Corp.

Client Sample ID: SP-C24-1G

General Chemistry

Lot-Sample #...: F1G010432-003    Work Order #...: MKL25    Matrix.....: SOLID  
 Date Sampled...: 06/30/11 10:45    Date Received...: 07/01/11  
 % Moisture.....: 9.4

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Moisture	9.4	0.10	%	MCAWW 160.3 MOD	07/06-07/07/11	1187016
		Dilution Factor: 1		Analysis Time...: 00:00		
Reactive Cyanide	ND	0.28	mg/kg	SW846 7.3.3	07/06-07/07/11	1187054
		Dilution Factor: 1		Analysis Time...: 18:39		
Reactive Sulfide	88.3	24.5	mg/kg	SW846 7.3.4	07/06-07/07/11	1186050
		Dilution Factor: 1		Analysis Time...: 00:00		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

ENVIRON International Corp.

Client Sample ID: SP-C24-1H

GC Semivolatiles

Lot-Sample #....: F1G010432-004    Work Order #....: MKL261AF    Matrix.....: SOLID  
 Date Sampled...: 06/30/11 10:55    Date Received..: 07/01/11  
 Prep Date.....: 07/05/11    Analysis Date..: 07/08/11  
 Prep Batch #....: 1186122    Analysis Time..: 12:16  
 Dilution Factor: 1  
 % Moisture.....: 11    Method.....: SW846 8082

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Aroclor 1016	ND	37	ug/kg
Aroclor 1221	ND	37	ug/kg
Aroclor 1232	ND	37	ug/kg
Aroclor 1242	ND	37	ug/kg
Aroclor 1248	ND	37	ug/kg
Aroclor 1254	ND	37	ug/kg
Aroclor 1260	ND	37	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Decachlorobiphenyl	125	(54 - 150)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight.

ENVIRON International Corp.

Client Sample ID: SP-C24-1H

TOTAL Metals

Lot-Sample #...: F1G010432-004

Matrix.....: SOLID

Date Sampled...: 06/30/11 10:55 Date Received...: 07/01/11

% Moisture.....: 11

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS			ANALYSIS DATE	ORDER #
Prep Batch #...	1186031						
Sulfur	ND	11200	mg/kg	SW846 6010B	07/05-07/06/11	MKL261AG	
		Dilution Factor: 20		Analysis Time...: 15:00			

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

ENVIRON International Corp.

Client Sample ID: SP-C24-1H

General Chemistry

Lot-Sample #...: F1G010432-004    Work Order #...: MKL26    Matrix.....: SOLID  
 Date Sampled...: 06/30/11 10:55    Date Received...: 07/01/11  
 % Moisture.....: 11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Moisture	11.0	0.10	%	MCAWW 160.3 MOD	07/06-07/07/11	1187016
		Dilution Factor: 1		Analysis Time...: 00:00		
Reactive Cyanide	ND	0.28	mg/kg	SW846 7.3.3	07/06-07/07/11	1187054
		Dilution Factor: 1		Analysis Time...: 18:42		
Reactive Sulfide	89.9	24.9	mg/kg	SW846 7.3.4	07/06-07/07/11	1186050
		Dilution Factor: 1		Analysis Time...: 00:00		

**NOTE(S):**

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: F1G010432      Work Order #...: MKM751AA      Matrix.....: SOLID  
 MB Lot-Sample #: F1G050000-122  
 Prep Date.....: 07/05/11      Analysis Time...: 07:49  
 Analysis Date...: 07/08/11      Prep Batch #...: 1186122  
 Dilution Factor: 1

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	33	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Decachlorobiphenyl	99	(54 - 150)

NOTE (S) :

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



METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: F1G010432

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #:	F1G050000-031	Prep Batch #...:	1186031			
Sulfur	ND	500	mg/kg	SW846 6010B	07/05-07/06/11	MKMT61AA
		Dilution Factor: 1				
		Analysis Time...: 11:25				

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: F1G010432

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Reactive Cyanide	ND	Work Order #: MKP8Q1AA 0.25	mg/kg	MB Lot-Sample #: F1G060000-054 SW846 7.3.3	F1G060000-054 07/06-07/07/11	1187054
		Dilution Factor: 1 Analysis Time.: 17:37				
Reactive Sulfide	ND	Work Order #: MKP9R1AA 22.2	mg/kg	MB Lot-Sample #: F1G050000-050 SW846 7.3.4	F1G050000-050 07/06-07/07/11	1186050
		Dilution Factor: 1 Analysis Time.: 00:00				

**NOTE(S) :**

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: F1G010432      Work Order #...: MKM751AC      Matrix.....: SOLID  
 LCS Lot-Sample#: F1G050000-122  
 Prep Date.....: 07/05/11      Analysis Date...: 07/08/11  
 Prep Batch #...: 1186122      Analysis Time...: 08:08  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Aroclor 1016	109	(76 - 131)	SW846 8082
Aroclor 1260	107	(74 - 139)	SW846 8082

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Decachlorobiphenyl	110	(74 - 140)

**NOTE(S) :**

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: F1G010432

Matrix.....: SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
------------------	-------------------------	------------------------	---------------	-----------------------------------	---------------------

I <del>CS</del> Lot-Sample#: F1G050000-031	105	(80 - 120)	SW846 6010B	07/05-07/06/11	MKMT61AC
Sulfur			Dilution Factor: 1	Analysis Time..: 11:32	

**NOTE(S) :**

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: F1G010432

Matrix.....: SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Reactive Cyanide	52	(10 - 75)	SW846 7.3.3	07/06-07/07/11	1187054
		Dilution Factor: 4		Analysis Time..: 17:41	
Reactive Sulfide	150 N	(10 - 128)	SW846 7.3.4	07/06-07/07/11	1186050
		Dilution Factor: 1		Analysis Time..: 00:00	

**NOTE(S) :**

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: F1G010432

Matrix.....: SOLID

Date Sampled...: 06/30/11 09:15 Date Received...: 07/01/11

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
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MS Lot-Sample #: F1G010430-001 Prep Batch #...: 1186031

% Moisture.....: 7.8

Sulfur	160 N	(75 - 125)			SW846 6010B	07/05-07/06/11	MKL2P1AJ
	107	(75 - 125)	19	(0-30)	SW846 6010B	07/05-07/06/11	MKL2P1AK
Dilution Factor: 5							
Analysis Time...: 12:04							

**NOTE(S) :**

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

N Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: F1G010432

Matrix.....: SOLID

Date Sampled...: 06/30/11 06:35 Date Received...: 07/01/11

Percnt Moisture: 7.8

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Reactive Cyanide	4.2 N	Work Order #...: MKL2P1AP (10 - 45)	SW846 7.3.3	MS Lot-Sample #: F1G010430-001 07/06-07/07/11	1187054
		Dilution Factor: 1		Analysis Time..: 17:44	
Reactive Cyanide	41	Work Order #...: MKL3A1AJ (10 - 45)	SW846 7.3.3	MS Lot-Sample #: F1G010432-008 07/06-07/07/11	1187054
		Dilution Factor: 1		Analysis Time..: 18:56	
Reactive Sulfide	30	Work Order #...: MKL2P1AR (10 - 121)	SW846 7.3.4	MS Lot-Sample #: F1G010430-001 07/06-07/07/11	1186050
		Dilution Factor: 1		Analysis Time..: 00:00	

NOTE (S):

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

Results and reporting limits have been adjusted for dry weight.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: F1G010432      Work Order #....: MKL2P-SMP      Matrix.....: SOLID

MKL2P-DUP

Date Sampled....: 06/30/11 09:15      Date Received...: 07/01/11

% Moisture.....: 7.8

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Moisture	7.8	8.4	%	6.5	(0-30)	SD Lot-Sample #: F1G010430-001 MCAWW 160.3 MOD	07/06-07/07/11	1187016
				Dilution Factor: 1	Analysis Time..: 00:00			
Reactive Cyanide	ND	ND	mg/kg	0	(0-30)	SD Lot-Sample #: F1G010430-001 SW846 7.3.3	07/06-07/07/11	1187054
				Dilution Factor: 1	Analysis Time..: 17:44			
Reactive Sulfide	86.8	86.8	mg/kg	0.0	(0-20)	SD Lot-Sample #: F1G010430-001 SW846 7.3.4	07/06-07/07/11	1186050
				Dilution Factor: 1	Analysis Time..: 00:00			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.  
Results and reporting limits have been adjusted for dry weight.



# ENVIRON

6001 Shellmound Street, Suite 700  
 Emeryville, California 94608  
 (510) 655-7400  
 (510) 655-9517 (fax)

# CHAIN-OF-CUSTODY

PROJECT NAME / FACILITY ID: NERET FIELD PERSON: N. Zandipour/K. Kyrias/Gary/J. Hiller  
 PROJECT NUMBER: 21-26719E DATE: 6/30/11 PROJECT MANAGER: John Petela  
 PROJECT LOCATION: Henderson, NV LABORATORY: St. Louis

IS THIS A UST PROJECT OR IS EDF REQUIRED?  Y  N IF YES, GLOBAL ID #: \_\_\_\_\_ WO#: \_\_\_\_\_

SAMPLER: N Zandipour SIGNATURE: <i>Zandipour</i>	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH	MATRIX (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED				COMMENTS
	2011								Reactive Cyanide	Reactive Sulfide	PCBs	Sulfur	
SP-C24-1E	6/30	1025	↓	↓	S	1	C	N	X	X	X	X	Question to Dan
SP-C24-1F		1035	↓	↓	S	1	C	N	X	X	X	X	510-420-2563
SP-C24-1G		1045	↓	↓	S	1	C	N	X	X	X	X	Results to Dan
SP-C24-1H		1055	↓	↓	S	1	C	N	X	X	X	X	detect@environment.com 4 John Petela jpetela@environment.com
<b>TOTAL</b>						<b>16</b>			<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	please composite the 4 jugs from each sample @ lab.

RELINQUISHED BY:	TIME/DATE:	RECEIVED BY:	TIME/DATE:	TURNAROUND TIME	SAME DAY	72 HOURS	IF SEALED, SEAL INTEGRITY
<i>[Signature]</i>	15:00 6/30/11	(COMPANY): <i>[Signature]</i>	6/30/11 14:00	(CIRCLE ONE)	24 HOURS	5 DAYS	INTACT: Y N
<i>[Signature]</i>	16:00 6/30/11	(COMPANY): <i>[Signature]</i>	7-17-11 0915		48 HOURS	NORMAL	INTACT: Y N
<i>[Signature]</i>		(COMPANY):					

FIG 010 432 197  
 03240  
 07-201

PAGE 1 of 1

Lot #(s): F16010430  
482 - A

CUR Form #: 138

**CONDITION UPON RECEIPT FORM**

Client: ENVIRON



Quote No: 99161

COC/RFA No: 03233, 03240, 03234

Initiated By: [Signature] Date: 7-1-11 Time: 0915

Shipping Information

Shipper: <u>FedEx</u>	UPS	DHL	Courier	Client	Other: _____	Multiple Packages: <u>Y</u> N
Shipping # (s):*					Sample Temperature (s):**	
1. <u>4806 8565 8690</u>	6. _____	1. <u>3</u>	6. _____			
2. <u>4806 8565 8680</u>	7. _____	2. <u>2</u>	7. _____			
3. <u>4806 8565 8679</u>	8. _____	3. <u>5</u>	8. _____			
4. _____	9. _____	4. _____	9. _____			
5. _____	10. _____	5. _____	10. _____			

\*Numbered shipping lines correspond to Numbered Sample Temp lines

\*\*Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid; Rad tests- Liquid or Solids; Perchlorate

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1. <u>Y</u> N	Are there custody seals present on the cooler?	8. Y <u>N</u>	Are there custody seals present on bottles?
2. Y <u>N</u> N/A	Do custody seals on cooler appear to be tampered with?	9. Y N <u>N/A</u>	Do custody seals on bottles appear to be tampered with?
3. <u>Y</u> N	Were contents of cooler frisked after opening, but before unpacking?	10. Y N <u>N/A</u>	Was sample received with proper pH? (if not, make note below)
4. <u>Y</u> N	Sample received with Chain of Custody?	11. Y N <u>N/A</u>	Containers for C-14, H-3 & I-129/131 marked with "Do Not Preserve" label?
5. <u>Y</u> N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12. <u>Y</u> N	Sample received in proper containers?
6. Y <u>N</u>	Was sample received broken?	13. Y N <u>N/A</u>	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
7. <u>Y</u> N	Is sample volume sufficient for analysis?	14. Y N <u>N/A</u>	Was Internal COC/Workshare received?

<sup>1</sup> For DOE-AE (Pantex, LANL, Sandia) sites, pH of AEL containers received must be verified. EXCEPT VOA, TOX, Oil & Grease and soils.

Notes:

Composite all samples per attached e-mail -  
[Signature]

Corrective Action:

Client Contact Name: \_\_\_\_\_ Informed by: \_\_\_\_\_  
 Sample(s) processed "as is": \_\_\_\_\_  
 Sample(s) on hold until: \_\_\_\_\_ If released, notify: \_\_\_\_\_  
 Project Management Review: [Signature] Date: 07-11-11

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.