ENVIRONMENTAL CHEMISTS

Date of Report: 10/30/13 Date Received: 09/25/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309446

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED METALS USING EPA METHOD 200.8

Laboratory Code: Laboratory Control Sample

			Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Beryllium	ug/L (ppb)	5	97	91	73-135	6
Chromium	ug/L (ppb)	20	100	94	80-119	6
Nickel	ug/L (ppb)	20	100	95	79-122	5
Zinc	ug/L (ppb)	50	98	93	76-124	5
Silver	ug/L (ppb)	5	104	99	80-116	5
Cadmium	ug/L (ppb)	5	99	96	83-113	3
Antimony	ug/L (ppb)	20	99	97	79-108	2
Barium	ug/L (ppb)	50	106	101	83-117	5
Thallium	ug/L (ppb)	5	103	103	78-116	0
Lead	ug/L (ppb)	10	100	97	83-115	3

ENVIRONMENTAL CHEMISTS

Date of Report: 10/30/13 Date Received: 09/25/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309446

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED MERCURY USING EPA METHOD 1631E

Laboratory Code: Laboratory Control Sample

	-	_	Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Mercury	ug/L (ppb)	0.01	99	100	78-118	1

ENVIRONMENTAL CHEMISTS

Date of Report: 10/30/13 Date Received: 09/25/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309446

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Laboratory Code: 309420-01 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Mercury	ug/L (ppb)	0.01	< 0.0015	96	99	63-132	3

Laboratory Code: Laboratory Control Sample

ENVIRONMENTAL CHEMISTS

Date of Report: 10/30/13 Date Received: 09/25/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309446

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL SUSPENDED SOLIDS BY METHOD 2540D

Laboratory Code: 309514-01 (Duplicate)

				Relative	
	Reporting	Sample	Duplicate	Percent	Acceptance
Analyte	Units	Result	Result	Difference	Criteria
TSS	mg/L	<9.7	<9.7	nm	0-20

Laboratory Code: Laboratory Control Sample

			Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
TSS	mg/L	50	83	91	61-131	9

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 More than one compound of similar molecule structure was identified with equal probability.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte indicated may be due to carryover from previous sample injections.
- d The sample was diluted. Detection limits may be raised due to dilution.
- ds The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb Analyte present in the blank and the sample.
- fc The compound is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht Analysis performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j The result is below normal reporting limits. The value reported is an estimate.
- \boldsymbol{J} The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- Ic The presence of the compound indicated is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- $\,$ nm $\,$ The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

K5 09(25/13 SAMPLE CHAIN OF CUSTODY 309446 Send Report To Mike Staton

BIG

Company S(R International Corp. 8th Address 221/8 20th Ave SE, G202. 10 City, State, ZIP Both ell, w.A. 98621. Ple Phone # 425-402-8805 Fax # 425-402-8488.

SAMPLERS (signature) C. A. M. PROJECT NAMENO. St. Au Terminely, Inc. S. te. Coult. 101. 002 05. 0003.3 REMARKS Please submit samples for the DRE-MS a, som as possible.	of TURNAROUND TIME	(Z-Standard (2 Weeks) □ RUSH	Rush charges authorized by	SAMPLE DISPOSAL	☐ Return samples ☐ Will call with instructions
AS TO SO	SAMPLERS (signature) C. A. M.	PROJECT NAME/NO.		NEWARKS	as soon as possible

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Friedman & Bruya, Inc. 3012 16th Avenue West Seattle, WA 98119-2029 Ph. (206) 285-8282 Fax (206) 283-5044

FORMS/COC/COC.DOC

nc.	SIGNATURE	PRINT NAME	COMPANY	DATE TIME	TIME
ist	Relinquished by:	Amanda Meugins	SLR	8151 8150/6	1518
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OCT 11 2013

October 9, 2013

Michele Costales Poquiz Friedman & Bruya 3012 16th Ave W Seattle, WA 98119

RE: Project: 309446 ARI Job No.: XG65

Dear Michele:

Please find enclosed the Chain-of-Custody record (COC), sample receipt documentation, and the final data for the samples from the project referenced above. Analytical Resources, Inc. (ARI) accepted ten water samples on September 26, 2013 under ARI job XG65. For further details regarding sample receipt, please refer to the enclosed Cooler Receipt Form.

The samples were analyzed for chloride and TDS, as requested on the COC.

There were no anomalies associated with the analyses of these samples.

An electronic copy of this report and all associated raw data will be kept on file at ARI. Should you have any questions or concerns, please feel free to call me at your convenience.

Respectfully,

ANALYTICAL RESOURCES, INC.

Cheronne Oreiro Project Manager (206) 695-6214 cheronneo@arilabs.com

www.arilabs.com

cc: eFile XG65

Enclosures

Xalon

SAMPLE CHAIN OF CUSTODY

	SUBCONTRACTOR		Page # of
Send Report To Michele Costales Poquiz	Analytical Resources, Inc. (ARI)		TURNAROUND TIME
	PROJECT NAME/NO.	PO#	XStandard Turnaround
Company Friedman & Bruya, Inc.		700	Della the mass such assisted har-
	o dttrox	C-58 /	Kusn charges authorized by:
Address 5012 10" Ave. W.	DIN A DIVO		SAMPLE DISPOSAL
City State ZIP Seattle WA 98119	KEMAKAS		☐ Dispose after 30 days
cross cares are commented and commented are commented and commented are commented and commented are commented as a commented are com	Please e-mail results		E Return samples
Phone # (206) 285-8282 Fax # (206) 283-5044			Will call with instructions
	ELECTRONIC DATA REQUESTED (EIM)		Samples Received atC
Email Address mpoquiz@friedmanandbruya.com			

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	Notes											TIME	May CIVU
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	Chloride by	×	X	×	×	×	×	×	X	×	×	INY	- a
ANALYSES REQUESTED	Total Organic Carbon by 9060M TDS by 2540C	X	×	×	×	×	×	×	×	×	×	COMPANY	7
SREGI	Hexavalent Cr by 7196A							•					
YSE	HFS	:											ب
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	VOCs by 8260												1
	BLEX by 8021B											PRINT NAME	-
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	Lab ID												Dolinanished has
	Sample ID	EMW-35-092513	EMW- 40-092513	CMW-1-092513	EMW-15D-092S13	CMW-4-092513	CMW-6-092513	EMW-140-092513	EMW-138-092513	EMW- 56 D-092513	EMW- 1010-092513	Friedman & Brusa Inc	

Wriedman & Brung Inc	CHONAMITER.	PRINT NAME	COMPANY	DAIR
The company of the layer, the	2			
3012 16th Avenue West	Relinquished by 2 + 0 Du	Michal Castales Pagniz	12.8	9 25/13
				,
Seattle, WA 98119-2029	Meceived by:	Charles Color V	2	9/20/13
Ph. (206) 285-8282	Relinquished by:			
Fax (206) 283-5044	Received by:			

FORMS\COC\COC SLRC.DOC

XG65:00002



Cooler Receipt Form

ARI Client: Friedman + Brie	us	Project Na	ame:	•		
COC No(s):	J (NA	Delivered	by: Fed-Ex UPS	Gourie Hand Deli	vered Other:	Postal
Assigned ARI Job No: XGL05	_0			4551055		NA NA
Preliminary Examination Phase:		rracking i		13310-2		
Were intact, properly signed and dated custody	seals attached to the	e outside of to	cooler?		YES	(NO)
Were custody papers included with the cooler?					VES	NO
				(NO
Were custody papers properly filled out (ink, sig Temperature of Cooler(s) (°C) (recommended 2 Time:			0.9	(/1ES	NO
If cooler temperature is out of compliance fill out	t form 00070F			Temp Gun II)#: 708°	7995
Cooler Accepted by:	Г	Date: 9/2/	10/13	Time: (04)		
1 -	custody forms and		V (
Log-In Phase:			11 0			
_						(ia)
Was a temperature blank included in the cooler					YES	(NO)
What kind of packing material was used?	•	_		-	_	
Was sufficient ice used (if appropriate)?				NA	(ES)	NO
Were all bottles sealed in individual plastic bags					YES	(NO)
Did all bottles arrive in good condition (unbroker	1)?				Y(ES)	NO
Were all bottle labels complete and legible?					Œ	NO
Did the number of containers listed on COC ma	tch with the number of	of containers	received?		Es	NO
Did all bottle labels and tags agree with custody	papers?	· · · · · · · · · · · · · · · · · · ·		••••	(ES)	NO
Were all bottles used correct for the requested a	analyses?				Œ	NO
Do any of the analyses (bottles) require preserv	ation? (attach preser	rvation sheet,	excluding VOC	s) (NÃ)	YES	NO
Were all VOC vials free of air bubbles?				(ÑA)	YES	NO
Was sufficient amount of sample sent in each 6	ottle?				(YES	NO
Date VOC Trip Blank was made at ARI						
Was Sample Split by ARI: (NA) YES	Date/Time:		Equipment:		Split by:_	
Dn/		$\Delta \log d$	12	1222		
Samples Logged by:	Date:	diam'		me:		
** Notify	Project Manager of	f discrepand	ies or concern	s **		V
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Additional Notes, Discrepancies, & Resolution	ons:	-				
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Sample ID Cross Reference Report



ARI Job No: XG65

Client: Friedman and Bruya, Inc

Project Event: 309446
Project Name: N/A

	Sample ID	ARI Lab ID	ARI LIMS ID	Matrix	Sample Date/Time	VTSR
1.	EMW-3S-092513	XG65A	13-20638	Water	09/25/13 09:55	09/26/13 10:45
2.	EMW-4D-092513	XG65B	13-20639	Water	09/25/13 10:40	09/26/13 10:45
3.	CMW-1-092513	XG65C	13-20640	Water	09/25/13 11:20	09/26/13 10:45
4.	EMW-15D-092513	XG65D	13-20641	Water	09/25/13 10:12	09/26/13 10:45
5.	CMW-4-092513	XG65E	13-20642	Water	09/25/13 10:55	09/26/13 10:45
6.	CMW-6-092513	XG65F	13-20643	Water	09/25/13 09:53	09/26/13 10:45
7.	EMW-14D-092513	XG65G	13-20644	Water	09/25/13 10:37	09/26/13 10:45
8.	EMW-13S-092513	XG65H	13-20645	Water	09/25/13 11:18	09/26/13 10:45
9.	EMW-56D-092513	XG651	13-20646	Water	09/25/13 12:07	09/26/13 10:45
10.	EMW-10D-092513	XG65J	13-20647	Water	09/25/13 13:01	09/26/13 10:45

Printed 09/26/13 Page 1 of 1



Matrix: Water

Data Release Authorized

Reported: 10/09/13

Project: NA

Event: 309446

Date Sampled: 09/25/13

Date Received: 09/26/13

Client ID: EMW-3S-092513 ARI ID: 13-20638 XG65A

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/27/13 092713#1	SM2540C	mg/L	200	11,700
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1,000	7,210

RL Analytical reporting limit



Matrix: Water

Data Release Authorized:

Reported: 10/09/13

Project: NA

Event: 309446

Date Sampled: 09/25/13

Date Received: 09/26/13

Client ID: EMW-4D-092513 ARI ID: 13-20639 XG65B

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/27/13 092713#1	SM2540C	mg/L	100	4,890
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1,000	2,690

RL Analytical reporting limit



Matrix: Water

Data Release Authorized

Reported: 10/09/13

Project: NA Event: 309446

Date Sampled: 09/25/13 Date Received: 09/26/13

Client ID: CMW-1-092513 ARI ID: 13-20640 XG65C

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/27/13 092713#1	SM2540C	mg/L	200	15,700
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	2,000	11,100

RL Analytical reporting limit



Matrix: Water

Data Release Authorized:

Reported: 10/09/13

Project: NA

Event: 309446

Date Sampled: 09/25/13

Date Received: 09/26/13

Client ID: EMW-15D-092513 ARI ID: 13-20641 XG65D

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/27/13 092713#1	SM2540C	mg/L	200	7,320
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1,000	3,980

RL Analytical reporting limit



Matrix: Water

Data Release Authorized:

Reported: 10/09/13

Project: NA

Event: 309446

Date Sampled: 09/25/13

Date Received: 09/26/13

Client ID: CMW-4-092513 ARI ID: 13-20642 XG65E

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/27/13 092713#1	SM2540C	mg/L	200	11,400
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1,000	6,680

RL Analytical reporting limit



Matrix: Water

Data Release Authorize

Reported: 10/09/13

Project: NA

Event: 309446

Date Sampled: 09/25/13

Date Received: 09/26/13

Client ID: CMW-6-092513 ARI ID: 13-20643 XG65F

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/27/13 092713#1	SM2540C	mg/L	200	23,600
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1,000	7,180

RL Analytical reporting limit



Matrix: Water

Data Release Authorized

Reported: 10/09/13

Project: NA

Event: 309446

Date Sampled: 09/25/13

Date Received: 09/26/13

Client ID: EMW-14D-092513 ARI ID: 13-20644 XG65G

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/27/13 092713#1	SM2540C	mg/L	200	8,340
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1,000	4,720

RL Analytical reporting limit

U Undetected at reported detection limit

Water Sample Report-XG65



Matrix: Water

Data Release Authorized

Reported: 10/09/13

Project: NA

Event: 309446

Date Sampled: 09/25/13

Date Received: 09/26/13

Client ID: EMW-138-092513 ARI ID: 13-20645 XG65H

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/27/13 092713#1	SM2540C	mg/L	200	9,800
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1,000	5,570

RL Analytical reporting limit



Matrix: Water

Data Release Authorized

Reported: 10/09/13

Project: NA

Event: 309446

Date Sampled: 09/25/13

Date Received: 09/26/13

Client ID: EMW-56D-092513 ARI ID: 13-20646 XG651

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/27/13 092713#1	SM2540C	mg/L	100	4,900
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1,000	2,820

RL Analytical reporting limit



Matrix: Water

Data Release Authorized Reported: 10/09/13

Project: NA

Event: 309446

Date Sampled: 09/25/13

Date Received: 09/26/13

Client ID: EMW-10D-092513 ARI ID: 13-20647 XG65J

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/27/13 092713#1	SM2540C	mg/L	100	4,760
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1,000	2,360

RLAnalytical reporting limit

U Undetected at reported detection limit

Water Sample Report-XG65

LAB CONTROL RESULTS-CONVENTIONALS XG65-Friedman and Bruya, Inc



Matrix: Water

Data Release Authorized Reported: 10/09/13

Project: NA Event: 309446

Date Sampled: NA Date Received: NA

Analyte/Method	QC ID	Date	Units	LCS	Spike Added	Recovery
Total Dissolved Solids SM2540C	ICVL	09/27/13	mg/L	496	500	99.2%

METHOD BLANK RESULTS-CONVENTIONALS XG65-Friedman and Bruya, Inc



Matrix: Water

Data Release Authorized Reported: 10/09/13

Project: NA

Event: 309446

Date Sampled: NA Date Received: NA

Analyte	Method	Date	Units	Blank	ID
Total Dissolved Solids	SM2540C	09/27/13	mg/L	< 5.0 U	
Chloride	SM4500-CLE	10/04/13	mg/L	< 1.0 U	FB
FB Filtration Blank					

STANDARD REFERENCE RESULTS-CONVENTIONALS XG65-Friedman and Bruya, Inc



Matrix: Water

Data Release Authorized

Reported: 10/09/13

Project: NA

Event: 309446

Date Sampled: NA

Date Received: NA

Analyte/SRM ID	Method	Date	Units	SRM	True Value	Recovery
Chloride ERA #411010	SM4500-CLE	10/04/13	mg/L	5.0	5.0	100.0%



October 15, 2013

Michele Poquiz Friedman & Bruya, Inc. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282

SDG: F130926A Project Name: 309446

Ms Poquiz,

Attached is the report associated with five (5) aqueous samples submitted dissolved arsenic, barium, copper, and selenium analyses on September 25, 2013. All samples were received on September 26, 2013 in a sealed cooler at 1.0°C. Dissolved metals analysis was performed via inductively coupled plasma dynamic reaction cell mass spectrometry (ICP-DRC-MS). Any analytical issues associated with the analyses are addressed in the following report.

If you have any questions, please feel free to contact me at your convenience.

Sincerely,

Jeremy Maute Project Coordinator

Applied Speciation and Consulting, LLC

Applied Speciation and Consulting, LLC

Report prepared for:

Michele Poquiz Friedman & Bruya, Inc. 3012 16th Avenue West Seattle, WA 98119-2029

SDG: F130926A Project Name: 309446

October 15, 2013

1. Sample Reception

Five (5) aqueous samples were submitted for dissolved arsenic, barium, copper, and selenium analyses on September 25, 2013. All samples were received in acceptable condition on September 26, 2013 in a sealed container at 1.0°C.

The samples submitted for dissolved metals analyses were filtered and preserved prior to reception at Applied Speciation and Consulting.

The samples were received in a laminar flow clean hood void of trace metals contamination and ultra-violet radiation. The samples were stored in a secure enclosed container, known to be free from trace metals contamination, until the digestion and analysis could be performed.

The client instructed Applied Speciation and Consulting to cancel all analyses for the sample identified as EMW-56D-092513. The chain of custody form reflects the sample ID as received; however, no results were reported for this sample in accordance with the client's instructions.

2. Sample Preparation

All sample preparation is performed in laminar flow clean hoods known to be free from trace metals contamination. All applied water for dilutions and sample preservatives are monitored for contamination to account for any biases associated with the sample results.

<u>Dissolved As, Ba, Cu, and Se Analysis by ICP-DRC-MS</u> The samples submitted for dissolved metals analyses were filtered and preserved prior to reception at Applied Speciation and Consulting. All preserved samples were digested in accordance with EPA Method 200.8 on October 8, 2013. Results for dissolved copper were reported

from an EPA Method 200.8 digest performed on October 10, 2013. All sample digests were then analyzed via inductively coupled plasma dynamic reaction cell mass spectrometry (ICP-DRC-MS).

3. Sample Analysis

All sample analysis is precluded by a minimum of a five-point calibration curve spanning the entire concentration range of interest. Calibration curves are performed at the beginning of each analytical day. All calibration curves, associated with each species of interest, are standardized by linear regression resulting in a response factor. All sample results are **instrument blank corrected** to account for any operational biases associated with the analytical platform.

Prior to sample analysis, all calibration curves are verified using second source standards which are identified as initial calibration verification standards (ICV).

Ongoing instrument performance is identified by the analysis of continuing calibration verification standards (CCV) and continuing calibration blanks (CCB) at a minimum interval of every ten analytical runs.

Dissolved As, Ba, Cu, and Se Analysis by ICP-DRC-MS All samples for dissolved arsenic, barium, and selenium analysis were analyzed by inductively coupled plasma dynamic reaction cell mass spectrometry (ICP-DRC-MS) on October 9, 2013. All samples for dissolved copper analysis were analyzed on October 11, 2013, using the same analytical platform. Aliquots of each sample are introduced into a radio frequency (RF) plasma where energy-transfer processes cause desolvation, atomization, and ionization. The ions are extracted from the plasma through a differentially-pumped vacuum interface and travel through a pressurized chamber (DRC) containing a specific reactive gas which preferentially reacts with interfering ions of the same target mass to charge ratios (m/z). A solid-state detector detects ions transmitted through the mass analyzer, on the basis of their mass-to-charge ratio (m/z), and the resulting current is processed by a data handling system.

4. Analytical Issues

The overall analyses went very well and no significant analytical issues were encountered. All quality control parameters associated with these samples were within acceptance limits.

If you have any questions or concerns regarding this report, please feel free to contact me.

Sincerely,

Jeremy Maute

Project Coordinator

Applied Speciation and Consulting, LLC

Report Generated by: Jeremy Maute Applied Speciation and Consulting, LLC Date: October 15, 2013

Date Received: 9/26/2013 9/25/2013 Date Sampled:

Client Sample ID EMW-15D-092513

Laboratory Sample ID EMW-15D-092513

			Reporting	
Analyte	Method	eMDL.	Limit	Concentration
Diss As	EPA 200.8	0.012	0.20	0.711
Diss Ba	EPA 200.8	0.14	0.20	66.5
Diss Cu	EPA 200.8	0.038	0.40	0.461
Diss Se	EPA 200.8	0.029	0.20	0.108 J
			** ***	

All results are reported in $\mu g/L$ and reflect the applied dilution J = Sample concentration is between the eMDL and the RL

Applied Speciation and Consulting, LLC Date: October 15, 2013 Report Generated by: Jeremy Maute

Date Received: 9/26/2013 9/25/2013 Date Sampled:

Client Sample ID CMW-4-092513

Laboratory Sample ID CMW-4-092513

			Reporting	
Analyte	Method	eMDL.	Limit	Concentration
Diss As	EPA 200.8	0.012	0.20	184
Diss Ba	EPA 200.8	0.14	0.20	320
Diss Cu	EPA 200.8	0.038	0.40	6.08
Diss Se	EPA 200.8	0.029	0.20	0.185 J
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All results are reported in µg/L and reflect the applied dilution J = Sample concentration is between the eMDL and the RL

Date: October 15, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Date Received: 9/26/2013 9/25/2013 Date Sampled:

Client Sample ID EMW-13S-092513

Laboratory Sample ID EMW-13S-092513

			Reporting	
Analyte	Method	eMDL.	Limit	Concentration
Diss As	EPA 200.8	0.012	0.20	16.9
Diss Ba	EPA 200.8	0.14	0.20	27.1
Diss Cu	EPA 200.8	0.038	0.40	6.77
Diss Se	EPA 200.8	0.029	0.20	0.178 J
All records	All securities and remembered in signal and reflect the constituted district	boilene ont to	dil. tion	the same of the sa

All results are reported in µg/L and reflect the applied dilution J = Sample concentration is between the eMDL and the RL

Date: October 15, 2013

Applied Speciation and Consulting, LLC Report Generated by: Jeremy Maute

Date Received: 9/26/2013

9/25/2013 Date Sampled:

Client Sample ID EMW-10D-092513

Laboratory Sample ID EMW-10D-092513

			Reporting	
Analyte	Method	eMDL	Limit	Concentration
Diss As	EPA 200.8	0.012	0.20	0.579
Diss Ba	EPA 200.8	0.14	0.20	98.2
Diss Cu	EPA 200.8	0.038	0.40	0.443
Diss Se	EPA 200.8	0.029	0.20	0.131 J

All results are reported in µg/L and reflect the applied dilution J = Sample concentration is between the eMDL and the RL

Date: October 15, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Quality Control Summary - Preparation Blank Summary

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Analyte (µg/L)	PBW1	PBW2	PBW3	PBW4	Mean	StdDev	eMDL*	eMDL 5x	Sample RL
Diss As	0.013	0.010	0.014	0.019	0.014	0.004	0.002	0.012	0.20
Diss Ba	0.09	0.02	0.05	0.13	0.07	0.05	0.027	0.14	0.20
Diss Cu	0.018	0.048	0.038	0.035	0.035	0.013	0.008	0.038	0.40
Diss Se	900'0	0.015	0.020	-0.002	0.010	0.010	900.0	0.029	0.20
eMDI = Estimated Method Detection i	Method Detection	n i imit	CHECOS ST		Color of the Color	10.10	A control of the section of the sect	The second secon	That A the Third Make in the wastern interference of the straight.

eMDL = Estimated Method Detection Limit
* Please see narrative regarding eMDL calculations

Trace Element Results for Friedman and Bruya Contact: Michele Poquiz

Date: October 15, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Quality Control Summary - Certified Reference Material

Analyte (µg/L)	SOT	True Value	Result	Recovery
Total As	SOT	400.0	372.2	93.0
Total As	TMDA-70	40.7	38.9	92.6
Total Ba	SOT	400.0	375.2	93.8
Total Ba	TMDA-70	309	289	93.4
Total Cu	SOT	400.0	393.2	98.3
Total Cu	TMDA-70	399	402	100.7
Total Se	SOT	400.0	371.3	92.8
Total Se	TMDA-70	25.9	22.1	85.2

Date: October 15, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Quality Control Summary - Matrix Duplicates

Analyte (µg/L)	Sample ID	Rep 1	Rep 2	Mean	RPD
Diss As	EMW-10D-092513	0.579	0.563	0.571	2.8
Diss Ba	EMW-10D-092513	98.19	102.0	100.1	3.8
Diss Cu	EMW-10D-092513	0.443	0.457	0.450	3.0
Diss Se	EMW-10D-092513	0.131 J	0.112 J	0.122	15.8

J = Sample concentration is between the eMDL and the RL

Trace Element Results for Friedman and Bruya Contact: Michele Poquiz

Date: October 15, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Quality Control Summary - Matrix Spike/ Matrix Spike Duplicate

		Spike			Spike	MSD		
Analyte (µg/L)	Sample ID	Conc	MS Result	Recovery	Conc	Result	Recovery	RPD
Diss As	EMW-10D-092513	400.0	420.4	105.0	400.0	432.9	108.1	2.9
Diss Ba	EMW-10D-092513	400.0	497.0	99.2	400.0	500.3	100.1	8.0
Diss Cu	EMW-10D-092513	400.0	401.6	100.3	400.0	419.3	104.7	4.3
Diss Se	EMW-10D-092513	400.0	403.5	100.8	400.0	423.0	105.7	4.7

SAMPLE CHAIN OF CUSTODY

	COTRECONTRACTOR ASSISS SOCCIATION	Çá	Page # lof
Send Report To Michele Costales Pooniz	Analytical Resources, Inc. (ARI) - / 2 9/25/13	6)/5	TURNAROUND TIME
	PROJECT NAME/NO.	#0A	Standard Turnaround
Company Friedman & Bruya, Inc.	75000	C-560	Rush charges authorized by:
Address 3012 16th Ave. W.	ī		
0 + 100 4 12	REMARKS Ath: Jeremy maute	- 1 - Cita(14	SAMPLE DISPOSAL Thenome after 30 days
City, State, Zir Seattle, WA 98119	place analyze per price quote agree in it.	אמובע היו הו	Return samples
Phone # (206) 285-8282 Fax # (206) 283-5044	Togge carrows		C Will call with instructions
	ELECTRONIC DATA REQUESTED (EIM)	•	Samples Received at °C
Email Address mpoquiz@friedmanandbruya.com			

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Recei	Fax (206) 283-5044 FORMS\COC\COC SLRC.DOC
Relin	Ph. (206) 285-8282
8	Seattle, WA 98119-2029
Relin	3012 16th Avenue West
	Friedman & Bruya, Inc.

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ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Kurt Johnson, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

November 5, 2013

Mike Staton SLR International Corp. 22118 20th Ave. SE., G-202 Bothell, WA 98021

Dear Mr. Staton:

Included are the results from the testing of material submitted on September 24, 2013 from the 8th Ave Terminals Inc. Site, Crowley 101.00205.00030, F&BI 309420 project. There are 37 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Crimbole Postal Poquiz

Michele Costales Poquiz

Chemist

Enclosures SLR1105R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on September 24, 2013 by Friedman & Bruya, Inc. from the SLR International Corp. 8th Ave Terminals Inc. Site, Crowley 101.00205.00030, F&BI 309420 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SLR International Corp.
309420-01	EMW-12S-092413
309420-02	EMW-16D-092413
309420-03	CMW-5-092413
309420-04	CMW-3-092413
309420-05	CMW-2-092413
309420-06	HC-4-092413
309420-07	EMW-8S-092413
309420-08	EMW-89S-092413
309420-09	EMW-5S-092413

Total Metals by EPA Method 200.8

The reporting limits for copper, zinc and antimony were raised due to potential low level laboratory contamination.

Compounds in the sample matrix interfered with the quantitation of arsenic and selenium. The results have been flagged accordingly.

The internal standard associated with several analytes exceeded acceptance criteria for the samples EMW-16D-092413, CMW-3-092413, and CMW-2-092413. The samples were diluted and reanalyzed. The results for the full strength and the dilution analyses are included.

Dissolved Metals by EPA Method 200.8

The reporting limits for copper, zinc and antimony were raised due to potential low level laboratory contamination.

Compounds in the sample matrix interfered with the quantitation of arsenic and selenium. The results have been flagged accordingly.

The internal standard associated with several analytes exceeded acceptance criteria for the samples EMW-16D-092413, CMW-3-092413, and CMW-2-092413. The samples were diluted and reanalyzed. The results for the full strength and the dilution analyses are included.

Total Mercury by EPA Method 1631E

ENVIRONMENTAL CHEMISTS

The reporting limit was raised due to potential low level laboratory contamination.

Dissolved Mercury by EPA Method 1631E

The reporting limit was raised due to potential low level laboratory contamination.

Total Suspended Solids by Method 2540D

All quality control requirements were acceptable.

Total Dissolved Solids by Method 2540C

The samples were sent to Analytical Resources, Inc. (ARI) for analysis. The report generated by ARI is enclosed.

Chloride by Method SM4500

The samples were sent to ARI for analysis. The report generated by ARI is enclosed.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: EMW-12S-092413
Date Received: 09/24/13
Date Extracted: 09/27/13
Date Analyzed: 09/30/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309420-01
Data File: 309420-01.013
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	97	60	125
Indium	97	60	125
Holmium	96	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 0.601 Nickel 3.34 Copper <1.25 Zinc < 2.50 0.321 ip Arsenic Selenium <0.560 ip Silver < 0.0640 Cadmium < 0.0940 Antimony < 1.25 Barium 10.3 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: EMW-16D-092413
Date Received: 09/24/13
Date Extracted: 09/27/13
Date Analyzed: 09/30/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309420-02
Data File: 309420-02.059
Instrument: ICPMS1
Operator: AP

	Lower	Upper
% Recovery:	Limit:	Limit:
53 vo	60	125
39 vo	60	125
41 vo	60	125
	53 vo 39 vo	% Recovery: Limit: 53 vo 60 39 vo 60

Concentration ug/L (ppb)

Copper 2.62 J
Zinc 2.67 J
Cadmium <0.0940 J
Antimony <1.25 J
Thallium <0.0740 J
Lead <0.144 J

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EMW-16D-092413
Date Received:	09/24/13
Date Extracted:	09/27/13
Date Analyzed:	09/30/13
Matrix:	Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309420-02 x10
Data File:	309420-02 x10.022
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	81	60	125
Indium	78	60	125
Holmium	77	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	1.93
Nickel	8.64
Copper	<12.5
Zinc	<25.0
Arsenic	34.9 ip
Selenium	143 ip
Silver	< 0.640
Cadmium	< 0.940
Antimony	<12.5
Barium	249
Thallium	< 0.740
Lead	<1.44

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: CMW-5-092413
Date Received: 09/24/13
Date Extracted: 09/27/13
Date Analyzed: 09/30/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309420-03
Data File: 309420-03.041
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	118	60	125
Indium	97	60	125
Holmium	95	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 1.65 Nickel 1.43 Copper <1.25 Zinc < 2.50 Arsenic 59.0 ip Selenium 1.17 ip Silver < 0.0640 Cadmium < 0.0940 Antimony < 1.25 Barium 23.6 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: CMW-3-092413
Date Received: 09/24/13
Date Extracted: 09/27/13
Date Analyzed: 09/30/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309420-04
Data File: 309420-04.042
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	56 vo	60	125
Indium	54 vo	60	125
Holmium	54 vo	60	125

Concentration ug/L (ppb)

Copper 3.53 J
Zinc 8.64 J
Cadmium <0.0940 J
Antimony <1.25 J
Thallium <0.0740 J
Lead 1.11 J

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: CMW-3-092413
Date Received: 09/24/13
Date Extracted: 09/27/13
Date Analyzed: 09/30/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309420-04 x10
Data File: 309420-04 x10.023
Instrument: ICPMS1

Instrument: ICPMS
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	84	60	125
Indium	85	60	125
Holmium	86	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	2.63
Nickel	6.72
Copper	4.37
Zinc	13.4
Arsenic	29.2 ip
Selenium	69.1 ip
Silver	< 0.640
Cadmium	< 0.940
Antimony	<12.5
Barium	271
Thallium	< 0.740
Lead	<1.44

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix:	CMW-2-092413 09/24/13 09/27/13 09/30/13 Water	Client: Project: Lab ID: Data File: Instrument:	SLR International Corp. Crowley 101.00205.00030 309420-05 309420-05.060 ICPMS1
Units:	ug/L (ppb)	Operator:	AP

		rower.	Opper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	55 vo	60	125
Indium	53 vo	60	125
Holmium	56 vo	60	125

Analyte:	Concentration ug/L (ppb)
Copper	3.34 J
Zinc	6.18 J
Cadmium	<0.0940 J
Antimony	2.34 J
Thallium	<0.0740 J
Lead	0.722 J

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Date Received:	CMW-2-092413 09/24/13	Client: Project:	SLR International Corp. Crowley 101.00205.00030
Date Extracted:	09/27/13	Lab ID:	309420-05 x10
Date Analyzed:	09/30/13	Data File:	309420-05 x10.024
Matrix: Units:	Water ug/L (ppb)	Instrument: Operator:	ICPMS1 AP
O III co.	48, 5 (PP a)	operator.	1 11.

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	85	60	125
Indium	84	60	125
Holmium	85	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	3.00
Nickel	< 4.60
Copper	<12.5
Zinc	<25.0
Arsenic	19.7 ip
Selenium	58.8 ip
Silver	< 0.640
Cadmium	< 0.940
Antimony	<12.5
Barium	101
Thallium	< 0.740
Lead	<1.44

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: HC-4-092413
Date Received: 09/24/13
Date Extracted: 09/27/13
Date Analyzed: 09/30/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309420-06
Data File: 309420-06.038
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	91	60	125
Indium	98	60	125
Holmium	93	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 0.626 Nickel 4.31 Copper 2.15 Zinc 3.50 0.470 ip Arsenic Selenium 0.853 ip Silver < 0.0640 < 0.0940 Cadmium Antimony <1.25 Barium 15.8 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: EMW-8S-092413
Date Received: 09/24/13
Date Extracted: 09/27/13
Date Analyzed: 09/30/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309420-07
Data File: 309420-07.043
Instrument: ICPMS1

Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	101	60	125
Indium	95	60	125
Holmium	96	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 2.16 Nickel 1.50 Copper <1.25 Zinc 6.03 Arsenic 44.0 ip Selenium 1.32 ip Silver < 0.0640 Cadmium < 0.0940 Antimony < 1.25 Barium 41.3 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	101	60	125
Indium	91	60	125
Holmium	90	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.05
Nickel	1.82
Copper	<1.25
Zinc	<2.50
Arsenic	2.18 ip
Selenium	0.721 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	<1.25
Barium	16.9
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EMW-5S-092413	Client:	SLR International Corp.
Date Received:	09/24/13	Project:	Crowley 101.00205.00030
Date Extracted:	09/27/13	Lab ID:	309420-09
Date Analyzed:	09/30/13	Data File:	309420-09.040
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP
			•

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	103	60	125
Indium	92	60	125
Holmium	92	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	0.975
Nickel	1.84
Copper	<1.25
Zinc	<2.50
Arsenic	2.15 ip
Selenium	0.649 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	<1.25
Barium	16.8
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Method Blank
Date Received: Not Applicable
Date Extracted: 09/27/13
Date Analyzed: 09/30/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: I3-618 mb
Data File: I3-618 mb.011
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	98	60	125
Indium	101	60	125
Holmium	98	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium < 0.138 Nickel < 0.460 Copper <1.25 Zinc < 2.50 < 0.150 Arsenic Selenium < 0.560 Silver < 0.0640 Cadmium < 0.0940 < 1.25 Antimony Barium < 0.260 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	97	60	125
Indium	92	60	125
Holmium	94	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	0.408
Nickel	3.26
Copper	<1.25
Zinc	3.42
Arsenic	0.293 ip
Selenium	<0.560 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	<1.25
Barium	10.1
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	53 vo	60	125
Indium	39 vo	60	125
Holmium	38 vo	60	125

Analyte:	Concentration ug/L (ppb)
Copper	<1.25 J
Cadmium	<0.0940 J
Antimony	<1.25 J
Thallium	<0.0740 J
Lead	<0.144 J

ENVIRONMENTAL CHEMISTS

Client ID:	EMW-16D-092413
Date Received:	09/24/13
Date Extracted:	09/30/13
Date Analyzed:	10/02/13
Matrix:	Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309420-02 x10
Data File:	309420-02 x10.048
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	70	60	125
Indium	67	60	125
Holmium	70	60	125
	_		
	Concentration		
Analyta	ug/L (pph)		

Concentration
ug/L (ppb)
<0.980
2.50
9.59
<12.5
<25.0
35.5 i p
131 ip
< 0.640
< 0.940
<12.5
242
< 0.740
<1.44

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID: CMW-5-092413
Date Received: 09/24/13
Date Extracted: 09/30/13
Date Analyzed: 10/02/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309420-03
Data File: 309420-03.065
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	113	60	125
Indium-	96	60	125
Holmium	103	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 2.04 Nickel 1.68 Copper <1.25 Zinc 2.56 53.9 ip Arsenic Selenium 2.80 ip Silver < 0.0640 < 0.0940 Cadmium Antimony <1.25 Barium 22.5 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID: CMW-3-092413
Date Received: 09/24/13
Date Extracted: 09/30/13
Date Analyzed: 10/02/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309420-04
Data File: 309420-04.066
Instrument: ICPMS1
Operator: AP

Lower Upper Internal Standard: % Recovery: Limit: Limit: Germanium 54 vo60 125 Indium 50 vo 60 125 Holmium 50 vo 60 125

<0.144 J

Concentration ug/L (ppb)

Copper 3.29 J
Cadmium <0.0940 J
Antimony 4.09 J
Thallium <0.0740 J

Lead

ENVIRONMENTAL CHEMISTS

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix:	CMW-3-092413 09/24/13 09/30/13 10/02/13 Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309420-04 x10
Data File:	309420-04 x10.050
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	79	60	125
Indium	77	60	125
Holmium	80	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	1.97
Nickel	6.31
Copper	<12.5
Zinc	<25.0
Arsenic	29.0 ip
Selenium	65.0 ip
Silver	< 0.640
Cadmium	< 0.940
Antimony	<12.5
Barium	274
Thallium	< 0.740
Lead	<1.44

ENVIRONMENTAL CHEMISTS

Client: Project: Lab ID:

Data File:

60

Analysis For Dissolved Metals By EPA Method 200.8

% Recovery: 57 vo

53 vo

Internal Standard: Germanium Indium

Instrument: Operator:	ICPMS1 AP	
Lower		Upper
Limit:		Limit:
60		125
60		125

309420-05 309420-05.067

SLR International Corp. Crowley 101.00205.00030

125

Holmium	54 vo
Analyte:	Concentration ug/L (ppb)
Copper	2.64 J
Cadmium	<0.0940 J
Antimony	<1.25 J
Thallium	<0.0740 J
Lead	<0.144 J

ENVIRONMENTAL CHEMISTS

Client ID:	CMW-2-092413	Cl
Date Received:	09/24/13	Pr
Date Extracted:	09/30/13	La
Date Analyzed:	10/02/13	Da
Matrix:	Water	In
Units:	ug/L (ppb)	$O_{\mathbf{I}}$

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309420-05 x10
Data File:	309420-05 x10.052
Instrument:	ICPMS1
Operator:	AP

		LOWCI	Оррсі
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	74	60	125
Indium	72	60	125
Holmium	74	60	125
	Concentration		
Analyte:	ug/L (pph)		

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	3.37
Nickel	5.75
Copper	<12.5
Zinc	<25.0
Arsenic	21.4 ip
Selenium	61.7 ip
Silver	< 0.640
Cadmium	< 0.940
Antimony	<12.5
Barium	97.9
Thallium	< 0.740
Lead	<1.44

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID: HC-4-092413
Date Received: 09/24/13
Date Extracted: 09/30/13
Date Analyzed: 10/02/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309420-06
Data File: 309420-06.059
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	93	60	125
Indium	88	60	125
Holmium	92	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 0.497 Nickel 5.29 Copper 2.19 Zinc 5.22 Arsenic 0.541 ipSelenium 1.15 ip Silver < 0.0640 < 0.0940 Cadmium Antimony <1.25 Barium 18.3 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	104	60	125
Indium	94	60	125
Holmium	99	60	125

Concentration ug/L (ppb)
< 0.0980
1.95
1.52
<1.25
4.17
40.7 ip
1.84 ip
< 0.0640
< 0.0940
<1.25
42.0
< 0.0740
< 0.144

ENVIRONMENTAL CHEMISTS

Client ID:	EMW-89S-092413	Client:	SLR International Corp.
Date Received:	09/24/13	Project:	Crowley 101.00205.00030
Date Extracted:	09/30/13	Lab ID:	309420-08
Date Analyzed:	10/02/13	Data File:	309420-08.060
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP
		-	

	Lower	Upper
% Recovery:	Limit:	Limit:
100	60	125
85	60	125
88	60	125
	100 85	% Recovery: Limit: 100 60 85 60

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.08
Nickel	2.42
Copper	<1.25
Zinc	<2.50
Arsenic	2.20 ip
Selenium	0.802 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	<1.25
Barium	17.8
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Client ID: EMW-5S-092413 Date Received: 09/24/13 Date Extracted: 09/30/13 Date Analyzed: 10/02/13 Matrix: Water Units: ug/L (ppb)	Client: SLR International Corp. Project: Crowley 101.00205.00030 Lab ID: 309420-09 Data File: 309420-09.061 Instrument: ICPMS1 Operator: AP
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		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	114	60	125
Indium	98	60	125
Holmium	98	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	0.861
Nickel	2.10
Copper	<1.25
Zinc	<2.50
Arsenic	2.04 ip
Selenium	0.761 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	<1.25
Barium	16.2
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix:	Method Blank Not Applicable 09/30/13 10/02/13 Water	Client: Project: Lab ID: Data File: Instrument:	SLR International Corp. Crowley 101.00205.00030 I3-622 mb I3-622 mb.044 ICPMS1
Units:	ug/L (ppb)	Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	83	60	125
Indium	83	60	125
Holmium	85	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	< 0.138
Nickel	< 0.460
Copper	<1.25
Zinc	< 2.50
Arsenic	< 0.150
Selenium	< 0.560
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	<1.25
Barium	< 0.260
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/24/13

Project: 8th Ave Terminals Inc. Site, Crowley 101.00205.00030, F&BI 309420

Date Extracted: 09/30/13 Date Analyzed: 10/03/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Total Mercury
EMW-12S-092413 309420-01	< 0.0015
EMW-16D-092413 309420-02	< 0.0015
CMW-5-092413 309420-03	< 0.0015
CMW-3-092413 309420-04	0.0043
CMW-2-092413 309420-05	0.0024
HC-4-092413 309420-06	< 0.0015
EMW-8S-092413 309420-07	< 0.0015
EMW-89S-092413 309420-08	< 0.0015
EMW-5S-092413 309420-09	<0.0015
Method Blank	<0.0015

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/24/13

Project: 8th Ave Terminals Inc. Site, Crowley 101.00205.00030, F&BI 309420

Date Extracted: 09/30/13 Date Analyzed: 10/01/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED MERCURY USING EPA METHOD 1631E

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	<u>Dissolved Mercury</u>
EMW-12S-092413 309420-01	< 0.0015
EMW-16D-092413 309420-02	< 0.0015
CMW-5-092413 309420-03	< 0.0015
CMW-3-092413 309420-04	< 0.0015
CMW-2-092413 309420-05	< 0.0015
HC-4-092413 309420-06	< 0.0015
EMW-8S-092413 309420-07	< 0.0015
EMW-89S-092413 309420-08	< 0.0015
EMW-5S-092413 309420-09	<0.0015
Method Blank	< 0.0015

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/24/13

Project: 8th Ave Terminals Inc. Site, Crowley 101.00205.00030, F&BI 309420

Date Extracted: NA
Date Analyzed: 09/26/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL SUSPENDED SOLIDS BY METHOD 2540D

Results Reported as mg/L (ppm)

Sample ID Laboratory ID	Total Suspended <u>Solids</u>
EMW-12S-092413 309420-01	<9.7
EMW-16D-092413 309420-02	11
CMW-5-092413 309420-03	24
CMW-3-092413 309420-04	<9.7
CMW-2-092413 309420-05	<9.7
HC-4-092413 309420-06	<9.7
EMW-8S-092413 309420-07	<9.7
EMW-89S-092413 309420-08	<9.7
EMW-5S-092413 309420-09	<9.7
Method Blank	<9.7

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/24/13

Project: 8th Ave Terminals Inc. Site, Crowley 101.00205.00030, F&BI 309420

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 309420-01 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Beryllium	ug/L (ppb)	5	< 0.0980	103	101	67-145	2
Chromium	ug/L (ppb)	20	0.601	101	103	64-132	2
Nickel	ug/L (ppb)	20	3.34	97	95	61-128	2
Copper	ug/L (ppb)	20	< 1.25	99	98	63-124	1
Zinc	ug/L (ppb)	50	< 2.50	98	95	55-141	3
Arsenic	ug/L (ppb)	10	0.321 ip	104	103	60-150	1
Selenium	ug/L (ppb)	5	<0.560 ip	105	106	43-178	1
Silver	ug/L (ppb)	5	< 0.0640	96	99	71-115	3
Cadmium	ug/L (ppb)	5	< 0.0940	102	100	83-116	2
Antimony	ug/L (ppb)	20	<1.25	101	101	62-125	0
Barium	ug/L (ppb)	50	10.3	103 b	100 b	79-126	3 b
Thallium	ug/L (ppb)	5	< 0.0740	98	96	73-119	2
Lead	ug/L (ppb)	10	< 0.144	96	95	79-121	1

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Beryllium	ug/L (ppb)	5	104	73-135
Chromium	ug/L (ppb)	20	106	80-119
Nickel	ug/L (ppb)	20	105	79-122
Copper	ug/L (ppb)	20	113	81-119
Zinc	ug/L (ppb)	50	102	76-124
Arsenic	ug/L (ppb)	10	99	80-111
Selenium	ug/L (ppb)	5	103	81-119
Silver	ug/L (ppb)	5	106	80-116
Cadmium	ug/L (ppb)	5	103	83-113
Antimony	ug/L (ppb)	20	102	79-108
Barium	ug/L (ppb)	50	105	83-117
Thallium	ug/L (ppb)	5	102	78-116
Lead	ug/L (ppb)	10	99	83-115

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/24/13

Project: 8th Ave Terminals Inc. Site, Crowley 101.00205.00030, F&BI 309420

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED METALS USING EPA METHOD 200.8

			Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Beryllium	ug/L (ppb)	5	97	91	73-135	6
Chromium	ug/L (ppb)	20	100	94	80-119	6
Nickel	ug/L (ppb)	20	100	95	79-122	5
Copper	ug/L (ppb)	20	98	95	81-119	3
Zinc	ug/L (ppb)	50	98	93	76-124	5
Arsenic	ug/L (ppb)	10	96	92	80-111	4
Selenium	ug/L (ppb)	5	104	92	81-119	12
Silver	ug/L (ppb)	5	104	99	80-116	5
Cadmium	ug/L (ppb)	5	99	96	83-113	3
Antimony	ug/L (ppb)	20	99	97	79-108	2
Barium	ug/L (ppb)	50	106	101	83-117	5
Thallium	ug/L (ppb)	5	103	103	78-116	0
Lead	ug/L (ppb)	10	100	97	83-115	3

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/24/13

Project: 8th Ave Terminals Inc. Site, Crowley 101.00205.00030, F&BI 309420

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Laboratory Code: 309420-01 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Mercury	ug/L (ppb)	0.01	< 0.0015	96	99	63-132	3

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Mercury	ug/L (ppb)	0.01	103	78-118

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/24/13

Project: 8th Ave Terminals Inc. Site, Crowley 101.00205.00030, F&BI 309420

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED MERCURY USING EPA METHOD 1631E

v	v	•	Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Mercury	ug/L (ppb)	0.01	99	100	78-118	1

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/24/13

Project: 8th Ave Terminals Inc. Site, Crowley 101.00205.00030, F&BI 309420

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL SUSPENDED SOLIDS BY METHOD 2540D

Laboratory Code: 309420-06 (Duplicate)

				Relative	
	Reporting	Sample	Duplicate	Percent	Acceptance
Analyte	Units	Result	Result	Difference	Criteria
TSS	mg/L	< 9.7	< 9.7	nm	0-20

Laboratory Code: Laboratory Control Sample

			Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
_Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
TSS	mg/L	50	94	94	61-131	0

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 More than one compound of similar molecule structure was identified with equal probability.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte indicated may be due to carryover from previous sample injections.
- d The sample was diluted. Detection limits may be raised due to dilution.
- ds The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb Analyte present in the blank and the sample.
- fc The compound is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht Analysis performed outside the method or client-specified holding time requirement.
- ${\it ip}$ Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j The result is below normal reporting limits. The value reported is an estimate.
- \boldsymbol{J} The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the compound indicated is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- nm The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

OCT 11 20%

October 9, 2013

Michele Costales Poquiz Friedman & Bruya 3012 16th Ave W Seattle, WA 98119

RE: Project: 309420 ARI Job No.: XG50

Dear Michele:

Please find enclosed the Chain-of-Custody record (COC), sample receipt documentation, and the final data for the samples from the project referenced above. Analytical Resources, Inc. (ARI) accepted nine water samples on September 25, 2013 under ARI job XG50. For further details regarding sample receipt, please refer to the enclosed Cooler Receipt Form.

The samples were analyzed for chloride and TDS, as requested on the COC.

There were no anomalies associated with the analyses of these samples.

An electronic copy of this report and all associated raw data will be kept on file at ARI. Should you have any questions or concerns, please feel free to call me at your convenience.

Respectfully,

ANALYTICAL_RESOURCES, INC.

Cheronne Oreiro
Project Manager
(206) 695-6214
cheronneo@arilabs.com
www.arilabs.com

cc: eFile XG50

Enclosures

SAMPLE CHAIN OF CUSTODY

Page# of TIRNAROLIND TIME	X Sta		SAMPLE DISPOSAL	☐ Return samples ☐ Will call with instructions	Samples Received at °C
SUBCONTRACTOR Analytical Resources Inc (ARI)	PROJECT NAME/NO. PO#	309420 C-857	REMARKS	Please e-mail results	ELECTRONIC DATA REQUESTED (EIM)
Send Report To Michele Costales Possiz	Company_Friedman & Bruya, Inc.	Address 3012 16th Ave. W.	City, State, ZIP_Seattle, WA 98119	Phone #_(206) 285-8282Fax #(206) 283-5044	Email Address mpoquiz@friedmanandbruya.com

									ANA	LYSI	ANALYSES REQUESTED	TOES	red				
Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	lessiG-HTT	TPH-Gasoline	ACCs py 8260	SVOCs by 8270	HFS	Hexavalent Cr by 7196A	Total Organic Mosoe yd nodraC	TDS by 2540C	Chloride by SM4500		2	Notes
EMW-12S-092413		8/12/18	6580	water	8								X	×			
EMW-160-092413		1	11 560					ļ					×	×			
CMW-5-092413			0060										×	×		-	
CMW-3-092413			1560				<u> </u>		_				×	×			
CMW- 2-092413			උළට										×	×			
HC-4-092413			5511										×	×			
EMW-88-092413			स्ट				<u> </u>	ļ					×	×			
EMW- 898-092413		→	1300					<u> </u>					×	×			
EMW- 55-092413		->	1335	→	>								×	×			
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لـــا :		SIGNATURE	URE		PR	PRINT NAME	NAM	田田		П		ΩΩ CO	COMPANY	λX	7C	DATE	TIME
3012 16th Anonno West	Relinguished Mr.	ġ		_					•						-		

Friedman & Bruya, Inc.	SIGNATITRE	PRINT NAME	COMPANY
9010 1641 4	Delinerist of the second of th	CIVILLY INTELL	COLUMN
3012 10th Avenue West	(milital ostal popini	Michael Castales Papirz	T&8]
Seattle, WA 98119-2029	Received by:		100
		1 4 、	77
Ph. (206) 285-8282	Relinquished by:		
Fax (206) 283-5044	Received by:		
FORMS\COC\COC SLRC.DOC			

9/25/13 II: 20AM

13/5

912/13

XG50:0002



Cooler Receipt Form

<u> </u>	٨.					
ARI Client: + V	lexma	n+Bruip	Project Name:			
COC No(s):			Delivered by: Fed-Ex UPS Cou	urier Hand Del	livered Other	Postale
Assigned ARI Job N	No:	X 650	Tracking No: 455470			(NA Y
Preliminary Examin	ation Phase:			The state of the s		
Were intact, properl	ly signed and	dated custody seals attached	to the outside of to cooler?		YES	(NO)
					(YES)	NO
Were custody pape	rs properly fille	ed out (ink, signed, etc.)			ØFS.	NO
		commended 2.0-6.0 °C for ch				,,,,
If cooler temperature	e is out of con	npliance fill out form 00070F		Temp Gun I	D#: 908	377450
Cooler Accepted by:		AV	Date: 9/25/13 Time	: 1315		
		Complete custody form	s and attach all shipping documents			•
Log-In Phase:	_				_	
Was a temperature	hlank included	I in the cooler?			VEC	Gal
			rap Wet ice Gel Packs Baggies Foam	Disale Dance	YES	(NO)
			ap vverice Gerpacks Baggies Foam	•		NO.
				NA	(YES)	NO G
					YES Æ8	66
					•	NO
			mber of containers received?		(ES	NO
			mber of containers received?		XES	NO
		• • •			ES	NO
				NB.	ES	NO
		ples?	preservation sheet, excluding VOCs)		YES	NO
				ONA-	YES	NO
				(NA	YES	NO
Was Sample Split by	^		Equipment:		Split by:	
Samples Logged by: _			te: <u>925, 73</u> Time: _	1344	<u> </u>	
		** Notify Project Manag	ger of discrepancies or concerns **			
Sample ID on I	Bottle	Sample ID on COC	Sample ID on Bottle	Sam	ple ID on CO	oc
·						
			•			
						
Additional Notes, D	Discrepancies	, & Resolutions:				
Rv:	D-4	χ.				
By: Smell Air Bubbles	Date	Cardenal	Small → "sm" (<2 mm)			
2mm	Peabubble 2-4 mm	ENTER MI GUUDIO	Peabubbles > "pb" (2 to < 4 mm)			
6 8	0_0_		Large → "lg" (4 to < 6 mm)			
			Headman - "he" (>6 mm)	_		

Sample ID Cross Reference Report



ARI Job No: XG50 Client: Friedman & Bruya Project Event: 309420 Project Name: N/A

	Sample ID	ARI Lab ID	ARI LIMS ID	Matrix	Sample Date/Time	VTSR
1.	EMW-12S-092413	XG50A	13-20515	Water	09/24/13 08:59	09/25/13 13:15
2.	EMW-16D-092413	XG50B	13-20516	Water	09/24/13 09:54	09/25/13 13:15
3.	CMW-5-092413	XG50C	13-20517	Water	09/24/13 09:00	09/25/13 13:15
4.	CMW-3-092413	XG50D	13-20518	Water	09/24/13 09:51	09/25/13 13:15
5.	CMW-2-092413	XG50E	13-20519	Water	09/24/13 10:30	09/25/13 13:15
6.	HC-4-092413	XG50F	13-20520	Water	09/24/13 11:55	09/25/13 13:15
7.	EMW-8S-092413	XG50G	13-20521	Water	09/24/13 12:21	09/25/13 13:15
8.	EMW-89S-092413	XG50H	13-20522	Water	09/24/13 13:00	09/25/13 13:15
9.	EMW-5S-092413	XG50I	13-20523	Water	09/24/13 13:35	09/25/13 13:15



Matrix: Water

Data Release Authorized:

Reported: 10/09/13

W

Project: NA

Event: 309420

Date Sampled: 09/24/13

Date Received: 09/25/13

Client ID: EMW-12S-092413 ARI ID: 13-20515 XG50A

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/27/13 092713#1	SM2540C	mg/L	5.0	208
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	2.0	12.0

RL Analytical reporting limit



Matrix: Water

Data Release Authorized

Reported: 10/09/13

Project: NA

Event: 309420

Date Sampled: 09/24/13

Date Received: 09/25/13

Client ID: EMW-16D-092413 ARI ID: 13-20516 XG50B

Analyte	Date Batch	Method	Units	RL_	Sample
Total Dissolved Solids	09/27/13 092713#1	SM2540C	mg/L	200	20,800
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	2,000	12,600

RL Analytical reporting limit



Matrix: Water

Data Release Authorized:

Reported: 10/09/13

Project: NA

Event: 309420

Date Sampled: 09/24/13 Date Received: 09/25/13

Client ID: CMW-5-092413 ARI ID: 13-20517 XG50C

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/27/13 092713#1	SM2540C	mg/L	5.0	304
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	5.0	20.8

RL Analytical reporting limit



Matrix: Water

Data Release Authorized:

Reported: 10/09/13

Project: NA

Event: 309420

Date Sampled: 09/24/13

Date Received: 09/25/13

Client ID: CMW-3-092413 ARI ID: 13-20518 XG50D

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/27/13 092713#1	SM2540C	mg/L	100	10,700
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1,000	8,010

RL Analytical reporting limit



Matrix: Water

Data Release Authorized

Reported: 10/09/13

Project: NA

Event: 309420

Date Sampled: 09/24/13

Date Received: 09/25/13

Client ID: CMW-2-092413 ARI ID: 13-20519 XG50E

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/27/13 092713#1	SM2540C	mg/L	200	9,000
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1,000	5,170

RL Analytical reporting limit



Matrix: Water

Data Release Authorized

Reported: 10/09/13

Project: NA

Event: 309420

Date Sampled: 09/24/13

Date Received: 09/25/13

Client ID: HC-4-092413 ARI ID: 13-20520 XG50F

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/27/13 092713#1	SM2540C	mg/L	10.0	322
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	5.0	17.3

RL Analytical reporting limit



Matrix: Water

Data Release Authorized:

Reported: 10/09/13

1:()

Project: NA
Event: 309420
Date Sampled: 09/24/13

Date Received: 09/25/13

Client ID: EMW-8S-092413 ARI ID: 13-20521 XG50G

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/27/13 092713#1	SM2540C	mg/L	5.0	292
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1.0	8.8

RL Analytical reporting limit



Matrix: Water

Data Release Authorized:

Reported: 10/09/13

Project: NA
Event: 309420

Date Sampled: 09/24/13 Date Received: 09/25/13

Client ID: EMW-89S-092413 ARI ID: 13-20522 XG50H

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/27/13 092713#1	SM2540C	mg/L	10.0	354
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	2.0	12.8

RL Analytical reporting limit



Matrix: Water

Data Release Authorized

Reported: 10/09/13

Project: NA

Event: 309420

Date Sampled: 09/24/13
Date Received: 09/25/13

Client ID: EMW-5S-092413 ARI ID: 13-20523 XG50I

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/27/13 092713#1	SM2540C	mg/L	10.0	347
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	2.0	13.1

RL Analytical reporting limit



Matrix: Water

Data Release Authorized: Reported: 10/09/13

Project: NA

Event: 309420

Date Sampled: 09/24/13

Date Received: 09/25/13

Analyte	Method	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: XG50A	Client ID: EMW-1	28-092413					
Chloride	SM4500-C	LE 10/04/13	mg/L	12.0	36.2	25.0	96.8%



Matrix: Water

Data Release Authorized: Reported: 10/09/13

Project: NA

Event: 309420

Date Sampled: 09/24/13 Date Received: 09/25/13

Analyte	Method	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: XG50A Client	ID: EMW-12S-	-092413				
Chloride	SM4500-CLE	10/04/13	mg/L	12.0	11.7	2.5%
ARI ID: XG50B Client	ID: EMW-16D-	-092413				
Total Dissolved Solids	SM2540C	09/27/13	mg/L	20,800	22,400	7.4%

LAB CONTROL RESULTS-CONVENTIONALS XG50-Friedman & Bruya



Matrix: Water

Data Release Authorized: Reported: 10/09/13

Project: NA

Event: 309420 Date Sampled: NA

Date Received: NA

Analyte/Method	QC ID	Date	Units	LCS	Spike Added	Recovery
Total Dissolved Solids SM2540C	ICVL	09/27/13	mg/L	496	500	99.2%

METHOD BLANK RESULTS-CONVENTIONALS XG50-Friedman & Bruya



Matrix: Water

Data Release Authorized

Reported: 10/09/13

Project: NA Event: 309420

Date Sampled: NA Date Received: NA

Analyte	Method	Date	Units	Blank	ID
Total Dissolved Solids	SM2540C	09/27/13	mg/L	< 5.0 U	
Chloride	SM4500-CLE	10/04/13	mg/L	< 1.0 U	FB

FB Filtration Blank

STANDARD REFERENCE RESULTS-CONVENTIONALS XG50-Friedman & Bruya



Matrix: Water

Data Release Authorized: Reported: 10/09/13

Project: NA Event: 309420

Date Sampled: NA Date Received: NA

Analyte/SRM ID	Method	Date	Units	SRM	True Value	Recovery
Chloride ERA #411010	SM4500-CLE	10/04/13	mg/L	5.0	5.0	100.0%

TURNAROUND TIME Rush charges authorized by ☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions SAMPLE DISPOSAL Sestandard (2 Weeks)
☐ RUSH SAMPLE CHAIN OF CUSTODY $1/\sqrt{7}$ 09-24-13 101.00205.00030 **FO#** SAMPLERS (signature) (July M. 8th Ave Terminal Inc. S.A. Com ley 101.00.30 PROJECT NAME/NO REMARKS Phone #425- 402-8800 Fax #425-403-8488 Company SLR International Corp Address 22118 20+ Ave SE 6202 City, State, ZIP Bothall WA 18021 Send Report To Mike States 309420

	Notes										
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	AOCs by8260										
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	I989iG-H4T										
	# of containers	م	_							7	
	Sample Type	WATER								J.	
	Time Sampled	0859	0154	0900	0951	1030	1155	1001	1300	1335	
	Date Sampled	9124113	_							Ų	
-	Lab ID	OAF	78. T	03	ሳ ሰ	ا کو	96	07	08	09	,
	Sample ID	EMW-125-092413 01AF 9124113 10859	20 EIHCPO-DAI - WM3	CMW-5-093413		CMW-2-092413	HC-4-692413	\$0 514CPO-S8-WM3	80 SIYCFO-298-WM3	EMW-55-09713 09	

Friedman & Bruya, Inc. 3012 16th Avenue West Seattle, WA 98119-2029 Ph. (206) 285-8282 Fax (206) 283-5044

FORMS/COC/COC.DOC

TIME SOS Samples received at DATE COMPANY Amanda Meugnis PRINT NAME SIGNATURE Relinquished by: Relinquished by: Received by:

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Kurt Johnson, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

November 5, 2013

Mike Staton SLR International Corp. 22118 20th Ave. SE., G-202 Bothell, WA 98021

Dear Mr. Staton:

Included are the results from the testing of material submitted on October 1, 2013 from the 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310013 project. There are 104 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Crimbile Postel Poquiz

Michele Costales Poquiz

Chemist

Enclosures SLR1105R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 1, 2013 by Friedman & Bruya, Inc. from the SLR International Corp. 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310013 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	SLR International Corp.
310013-01	EMW-15D-100113
310013-02	EMW-3S-100113
310013-03	SLR-6-100113
310013-04	HC-20-100113
310013-05	EMW-13S-100113
310013-06	CMW-6-100113
310013-07	EMW-10D-100113
310013-08	EMW-56D-100113
310013-09	EMW-4D-100113
310013-10	CMW-2-100113
310013-11	SLR-7-100113
310013-12	TB-100113

<u>Total Petroleum Hydrocarbons as Gasoline by Method NWTPH-Gx</u> All quality control requirements were acceptable.

<u>Total Petroleum Hydrocarbons as Diesel and Motor Oil by Method NWTPH-Dx with Silica Gel</u>

All quality control requirements were acceptable.

Volatile Compounds by EPA Method 8260C

The presence of methylene chloride in the sample EMW-4D-100113 is likely due to laboratory contamination. The result has been flagged accordingly.

The trip blank sample was received with incorrect preservation for the 8260 analysis of vinyl chloride. The result should be considered an estimate.

The percent recovery for the matrix spike (MS), laboratory control sample (LCS), and laboratory control sample duplicate (LCSD) failed high for bromomethane. This analyte was not identified in the samples, therefore the results are valid.

Semivolatile Organic Compounds by EPA Method 8270D

The calibration result for 4.6-dinitro-2-methylphenol fell outside of acceptance criteria for the samples SLR-6-100113, EMW-10D-100113 and SLR-7-100113. The values reported are estimates.

ENVIRONMENTAL CHEMISTS

The presence of bis(2-ethylhexyl) phthalate in the samples and the method blank is likely due to laboratory contamination. The results have been flagged accordingly.

The internal standard associated with several analytes exceeded acceptance criteria for the sample SLR-7-100113. The results have been flagged accordingly.

The relative percent difference (RPD) for the LCS/LCSD failed high for 2,4-dimethylphenol and 2,4-dinitrophenol. These analytes were not identified in the samples, therefore the results are valid.

<u>Semivolatile Organic Compounds by EPA Method 8270D SIM</u> All quality control requirements were acceptable.

<u>Polychlorinated Biphenyls as Aroclor 1016/1260 by EPA Method 8082A</u> All quality control requirements were acceptable.

Total Metals by EPA Method 200.8

Compounds in the sample matrix interfered with the quantitation of arsenic and selenium. The results have been flagged accordingly.

The internal standard associated with several analytes exceeded acceptance criteria for the samples EMW-15D-100113, EMW-3S-100113, EMW-13S-100113, CMW-6-100113, and EMW-4D-100113. The samples were diluted and reanalyzed. The results for the full strength and the dilution analyses are included.

Dissolved Metals by EPA Method 200.8

Arsenic, selenium and copper were not reported. Please see the report issued by Applied Speciation and Consulting (ASC) for results for these analytes.

The internal standard associated with several analytes exceeded acceptance criteria for the samples EMW-15D-100113, EMW-3S-100113, EMW-13S-100113, CMW-6-100113, and EMW-4D-100113. The samples were diluted and reanalyzed. The results for the full strength and the dilution analyses are included.

Total Mercury by EPA Method 1631E

The reporting limit was raised due to potential low level laboratory contamination.

Dissolved Mercury by EPA Method 1631E

The reporting limit was raised due to potential low level laboratory contamination.

ENVIRONMENTAL CHEMISTS

Total Suspended Solids by Method 2540D

All quality control requirements were acceptable.

Total Dissolved Solids by Method 2540C

The samples were sent to Analytical Resources, Inc. (ARI) for analysis. The report generated by ARI is enclosed.

Chloride by Method SM4500

The samples were sent to ARI for analysis. The report generated by ARI is enclosed.

Dissolved Metals by ICP-DRC-MS

The samples were sent to Applied Speciation and Consulting (ASC) for analysis. The report generated by ASC is enclosed.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 10/01/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310013

Date Extracted: 10/07/13 Date Analyzed: 10/07/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	<u>Gasoline Range</u>	Surrogate (<u>% Recovery)</u> (Limit 51-134)
EMW-15D-100113 310013-01	<12	80
EMW-3S-100113 310013-02	<12	79
SLR-6-100113 310013-03	<12	79
HC-20-100113 310013-04	<12	80
EMW-13S-100113 310013-05	<12	79
CMW-6-100113 310013-06	<12	81
EMW-10D-100113 310013-07	<12	78
EMW-56D-100113 310013-08	<12	76
EMW-4D-100113 310013-09	<12	76
CMW-2-100113 310013-10	<12	74
SLR-7-100113 310013-11	<12	76
Method Blank 03-1960 MB	<12	76

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 10/01/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310013

Date Extracted: 10/03/13 Date Analyzed: 10/11/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx Sample Extracts Passed Through a Silica Gel Column Prior to Analysis

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C10-C25)	Motor Oil Range (C ₂₅ -C ₃₆)	Surrogate (% Recovery) (Limit 51-134)
EMW-15D-100113 310013-01	<6.9	<52	100
EMW-3S-100113 310013-02	<6.9	<52	98
SLR-6-100113 ₃₁₀₀₁₃₋₀₃	27 x	210	96
HC-20-100113 310013-04	<6.9	<52	95
EMW-13S-100113 310013-05	<6.9	<52	88
CMW-6-100113 310013-06	<6.9	<52	99
EMW-10D-100113 310013-07	<6.9	<52	97
EMW-56D-100113 310013-08	<6.9	<52	88
EMW-4D-100113 310013-09	<6.9	<52	92
CMW-2-100113 310013-10	<6.9	<52	104
SLR-7-100113 310013-11	<6.9	<52	109
Method Blank 03-1982 MB	<6.9	<52	84

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-15D-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/08/13	Lab ID:	310013-01
Date Analyzed:	10/08/13	Data File:	100813.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-3S-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/08/13	Lab ID:	310013-02
Date Analyzed:	10/08/13	Data File:	100814.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<0.16	1,3-Dichloropropane	<0.2
Chloromethane	<0.10	Tetrachloroethene	<0.28
Vinyl chloride	< 0.13	Dibromochloromethane	<0.24
Bromomethane	<0.13	1,2-Dibromoethane (EDB)	<0.24
Chloroethane	<0.18	Chlorobenzene	<0.1
Trichlorofluoromethane	<0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	<0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	<0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	<0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	SLR-6-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/08/13	Lab ID:	310013-03
Date Analyzed:	10/08/13	Data File:	100815.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	HC-20-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/08/13	Lab ID:	310013-04
Date Analyzed:	10/08/13	Data File:	100816.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/I (pph)	Operator:	21

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	101	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-13S-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/08/13	Lab ID:	310013-05
Date Analyzed:	10/08/13	Data File:	100817.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	101	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	CMW-6-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/08/13	Lab ID:	310013-06
Date Analyzed:	10/08/13	Data File:	100818.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	102	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	<0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-10D-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/08/13	Lab ID:	310013-07
Date Analyzed:	10/08/13	Data File:	100819.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	∪pper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Compounds.	ug/L (ppu)	Compounds.	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	< 2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-56D-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/08/13	Lab ID:	310013-08
Date Analyzed:	10/08/13	Data File:	100820.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	104	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane		-	<0.2
Chloromethane	<0.16 <0.22	1,3-Dichloropropane Tetrachloroethene	<0.2 <0.28
	<0.22 <0.13	Dibromochloromethane	<0.28 <0.24
Vinyl chloride Bromomethane	<0.13 <0.2	1,2-Dibromoethane (EDB)	<0.24 <0.24
Chloroethane	<0.2 <0.18	Chlorobenzene	<0.24 <0.1
Trichlorofluoromethane			<0.16
Acetone	<0.17 <2.6	Ethylbenzene	<0.16 <0.32
	<2.6 <0.19	1,1,1,2-Tetrachloroethane	<0.32 <0.5
1,1-Dichloroethene	<0.19 <3	m,p-Xylene	<0.3 <0.22
Methylene chloride		o-Xylene	
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	<0.22
trans-1,2-Dichloroethene	<0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	<0.18	Bromoform	<0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	<0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	<0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-4D-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/08/13	Lab ID:	310013-09
Date Analyzed:	10/08/13	Data File:	100821.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	100	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	3.2 lc	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	CMW-2-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/08/13	Lab ID:	310013-10
Date Analyzed:	10/08/13	Data File:	100822.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	101	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	SLR-7-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/08/13	Lab ID:	310013-11
Date Analyzed:	10/08/13	Data File:	100823.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (pph)	Operator:	IS

		Lower	∪pper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	102	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	TB-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/08/13	Lab ID:	310013-12
Date Analyzed:	10/08/13	Data File:	100824.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	101	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	<0.13 pr	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	< 2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	Method Blank	Client:	SLR International Corp.
Date Received:	N/A	Project:	Crowley 101.00205.00030
Date Extracted:	10/08/13	Lab ID:	03-1996 mb
Date Analyzed:	10/08/13	Data File:	100812.D
Matrix:	Water	Instrument:	GCMS9
Units:	11g/L. (nnh)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	101	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	< 2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	<0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	EMW-15D-100 10/01/13 10/03/13 10/04/13 Water ug/L (ppb)	0113	Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. Crowley 101.00205.00030 310013-01 100414.D GCMS8 VM
Surrogates: 2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromopheno Terphenyl-d14	ol	% Recovery: 58 37 104 103 136 114	Lower Limit: 32 10 50 43 43	Upper Limit: 162 170 150 158 146 168

C1	Concentration	0	Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	< 2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylpheno	1 <0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.33 fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	EMW-3S-1001 10/01/13 10/03/13 10/04/13 Water ug/L (ppb)	13	Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. Crowley 101.00205.00030 310013-02 100415.D GCMS8 VM
Surrogates: 2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromopheno Terphenyl-d14		% Recovery: 63 36 91 90 117 119	Lower Limit: 32 10 50 43 43	Upper Limit: 162 170 150 158 146 168

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Compounds: Phenol Bis(2-chloroethyl) ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene Benzyl alcohol Bis(2-chloroisopropyl) ether 2-Methylphenol Hexachloroethane N-Nitroso-di-n-propylamine 3-Methylphenol + 4-Methylphenol Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol Benzoic acid Bis(2-chloroethoxy)methane 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Hexachlorobutadiene 4-Chloroaniline		Compounds: 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloronaphthalene 2-Nitroaniline Dimethyl phthalate 2,6-Dinitrotoluene 3-Nitroaniline 2,4-Dinitrophenol Dibenzofuran 2,4-Dinitrotoluene 4-Nitrophenol Diethyl phthalate 4-Chlorophenyl phenyl ether N-Nitrosodiphenylamine 4-Nitroaniline 4,6-Dinitro-2-methylphenol 4-Bromophenyl phenyl ether Hexachlorobenzene Pentachlorophenol Carbazole Di-n-butyl phthalate Benzyl butyl phthalate	
4-Chloro-3-methylphenol 2-Methylnaphthalene	<0.24 <0.034	Bis(2-ethylhexyl) phthalate Di-n-octyl phthalate	0.25 fb <0.044
Hexachlorocyclopentadiene	< 0.094	- "	

ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix:	SLR-6-100113 10/01/13 10/03/13 10/07/13 Water	3	Client: Project: Lab ID: Data File: Instrument:	SLR International Corp. Crowley 101.00205.00030 310013-03 100712.D GCMS8
Units:	ug/L (ppb)		Operator:	VM
Surrogates: 2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromophen Terphenyl-d14	ol	% Recovery: 57 32 91 91 108	Lower Limit: 32 10 50 43 43 39	Upper Limit: 162 170 150 158 146

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	0.13
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	<0.38 ca
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.36 fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	HC-20-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/03/13	Lab ID:	310013-04
Date Analyzed:	10/04/13	Data File:	100417.D
Matrix:	Water	Instrument:	GCMS8
Units:	ug/L (ppb)	Operator:	VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	58	32	162
Phenol-d6	37	10	170
Nitrobenzene-d5	96	50	150
2-Fluorobiphenyl	94	43	158
2,4,6-Tribromophenol	128	43	146
Terphenyl-d14	118	39	168

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.40 fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-13S-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/03/13	Lab ID:	310013-05
Date Analyzed:	10/04/13	Data File:	100423.D
Matrix:	Water	Instrument:	GCMS8
Units:	ug/L (ppb)	Operator:	VM
		T avvom	Llonon

		Lower	Opper -
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	48	32	162
Phenol-d6	36	10	170
Nitrobenzene-d5	101	50	150
2-Fluorobiphenyl	103	43	158
2,4,6-Tribromophenol	99	43	146
Terphenyl-d14	115	39	168
Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromophenol	101 103 99	50 43 43	150 158 146

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
compounds.	α8, Ε (PPs)	-	aga (pps)
Phenol	0.57	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	0.43
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	0.45
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.41 fb
2-Methylnaphthalene	0.18	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	CMW-6-10011 10/01/13 10/03/13 10/04/13 Water ug/L (ppb)	3	Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. Crowley 101.00205.00030 310013-06 100418.D GCMS8 VM
Surrogates: 2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromopheno Terphenyl-d14		% Recovery: 63 43 104 106 116 121	Lower Limit: 32 10 50 43 43 39	Upper Limit: 162 170 150 158 146 168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	0.18	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenoļ	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.42 fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-10D-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/03/13	Lab ID:	310013-07
Date Analyzed:	10/07/13	Data File:	100713.D
Matrix:	Water	Instrument:	GCMS8
Units:	ug/L (ppb)	Operator:	VM
		Lower	Upper

	Lower	Opper -
% Recovery:	Limit:	Limit:
60 °	32	162
38	10	170
95	50	150
97	43	158
127	43	146
127	39	168
	60 38 95 97 127	% Recovery: Limit: 60 32 38 10 95 50 97 43 127 43

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Compounds: Phenol Bis(2-chloroethyl) ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene Benzyl alcohol Bis(2-chloroisopropyl) ether 2-Methylphenol Hexachloroethane N-Nitroso-di-n-propylamine 3-Methylphenol + 4-Methylphenol Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol Benzoic acid Bis(2-chloroethoxy)methane 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Hexachlorobutadiene 4-Chloroaniline	ug/L (ppb) <0.14 <0.06 <0.16 <0.034 <0.034 <0.024 <0.4 <0.03 <0.26 <0.06 <0.11	Compounds: 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloronaphthalene 2-Nitroaniline Dimethyl phthalate 2,6-Dinitrotoluene 3-Nitroaniline 2,4-Dinitrophenol Dibenzofuran 2,4-Dinitrotoluene 4-Nitrophenol Diethyl phthalate 4-Chlorophenyl phenyl ether N-Nitrosodiphenylamine 4-Nitroaniline 4,6-Dinitro-2-methylphenol 4-Bromophenyl phenyl ether Hexachlorobenzene Pentachlorophenol Carbazole Di-n-butyl phthalate Benzyl butyl phthalate	
4-Chloro-3-methylphenol 2-Methylnaphthalene	<0.24 <0.034	Bis(2-ethylhexyl) phthalate Di-n-octyl phthalate	0.30 fb <0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-56D-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/03/13	Lab ID:	310013-08
Date Analyzed:	10/04/13	Data File:	100420.D
Matrix:	Water	Instrument:	GCMS8
Units:	ug/L (ppb)	Operator:	VM
		_	

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	62	32	162
Phenol-d6	39	10	170
Nitrobenzene-d5	100	50	150
2-Fluorobiphenyl	103	43	158
2,4,6-Tribromophenol	137	43	146
Terphenyl-d14	139	39	168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.31 fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	EMW-4D-100113	Client:	SLR International Corp.
	10/01/13	Project:	Crowley 101.00205.00030
	10/03/13	Lab ID:	310013-09
	10/04/13	Data File:	100421.D
	Water	Instrument:	GCMS8
	ug/L (ppb)	Operator:	VM
Surrogates: 2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromophen Terphenyl-d14	% Recovery: 44 34 84 90	Lower	Upper Limit: 162 170 150 158 146 168

respirently at 1	100	100	
Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Phenol	0.27	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.36 fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	CMW-2-1001 10/01/13 10/03/13 10/04/13 Water ug/L (ppb)	13	Client: Project: Lab ID: Data File: Instrument:	SLR International Corp. Crowley 101.00205.00030 310013-10 100424.D GCMS8 VM
Surrogates: 2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromophen Terphenyl-d14		% Recovery: 63 38 93 95 123 140	Operator: Lower Limit: 32 10 50 43 43 39	Upper Limit: 162 170 150 158 146 168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	0.24	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	0.070
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.52 fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	SLR-7-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/03/13	Lab ID:	310013-11
Date Analyzed:	10/07/13	Data File:	100708.D
Matrix:	Water	Instrument:	GCMS8
Units:	ug/L (ppb)	Operator:	VM
		Lower	Unner

nit:
62
70
50
58
46
68

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	0.26	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	< 2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	<0.38 ca
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	<0.086 J
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.31 J fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	<0.044 J
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	Method Blank	Client:	SLR International Corp.
Date Received:	N/A	Project:	Crowley 101.00205.00030
Date Extracted:	10/03/13	Lab ID:	03-1980 mb
Date Analyzed:	10/04/13	Data File:	100407.D
Matrix:	Water	Instrument:	GCMS8
Units:	ug/L (ppb)	Operator:	VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	44	32	162
Phenol-d6	30	10	170
Nitrobenzene-d5	96	50	150
2-Fluorobiphenyl	100	43	158
2,4,6-Tribromophenol	118	43	146
Terphenyl-d14	119	39	168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.19 lc
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-15D-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/03/13	Lab ID:	310013-01
Date Analyzed:	10/04/13	Data File:	100419.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Lîmit:
Anthracene-d10	115	50	150
Benzo(a)anthracene-d12	119	50	129

119	50
Concentration ug/L (ppb)	
0.0074	
< 0.0024	
< 0.0038	
< 0.004	
< 0.0066	
< 0.0028	
0.0047	
0.0054	
< 0.0042	
< 0.0038	
< 0.0078	
< 0.0052	
< 0.0076	
< 0.007	
< 0.004	
< 0.0044	
	Concentration ug/L (ppb) 0.0074 <0.0024 <0.0038 <0.004 <0.0066 <0.0028 0.0047 0.0054 <0.0042 <0.0038 <0.0078 <0.0078 <0.0070

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: EMW-3S-100113
Date Received: 10/01/13
Date Extracted: 10/03/13
Date Analyzed: 10/04/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 310013-02
Data File: 100420.D
Instrument: GCMS6
Operator: ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	101	50	150
Benzo(a)anthracene-d12	104	50	129

	Concentration
Compounds:	ug/L (ppb)
Naphthalene	0.0061
•	
Acenaphthylene	< 0.0024
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	< 0.0028
Fluoranthene	< 0.0046
Pyrene	0.0037
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: SLR-6-100113
Date Received: 10/01/13
Date Extracted: 10/03/13
Date Analyzed: 10/04/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 310013-03
Data File: 100421.D
Instrument: GCMS6
Operator: ya

Surrogates: Kecovery: Limit: Limit: Anthracene-d10 108 50 150 150 Benzo(a)anthracene-d12 117 50 129

Compounds:	Concentration ug/L (ppb)
Naphthalene	0.0040
Acenaphthylene	0.0051
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	< 0.0028
Fluoranthene	0.0053
Pyrene	0.0061
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: HC-20-100113
Date Received: 10/01/13
Date Extracted: 10/03/13
Date Analyzed: 10/04/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 310013-04
Data File: 100422.D
Instrument: GCMS6
Operator: ya

		Lower	Upper
Surrogates: Anthracene-d10	% Recovery:	Limit:	Limit:
Anthracene-d10	100	50	150
Benzo(a)anthracene-d12	106	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	0.0065
Acenaphthylene	< 0.0024
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	< 0.0028
Fluoranthene	0.0073
Pyrene	0.0065
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-13S-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/03/13	Lab ID:	310013-05
Date Analyzed:	10/05/13	Data File:	100429.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	ya

		rower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	107	50	150
Benzo(a)anthracene-d12	111	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	0.62
Acenaphthylene	0.011
Acenaphthene	0.82
Fluorene	0.57
Phenanthrene	0.62
Anthracene	0.21
Fluoranthene	0.24
Pyrene	0.13
Benz(a)anthracene	0.017
Chrysene	0.025
Benzo(a)pyrene	0.012
Benzo(b)fluoranthene	0.018
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	0.0081
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	0.0082

ENVIRONMENTAL CHEMISTS

Client Sample ID:	CMW-6-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/03/13	Lab ID:	310013-06
Date Analyzed:	10/04/13	Data File:	100423.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	112	50	150
Benzo(a)anthracene-d12	116	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	0.0050
Acenaphthylene	< 0.0024
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	0.0052
Fluoranthene	0.0056
Pyrene	0.0066
Benz(a)anthracene	0.0045
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-10D-100113
Date Received:	10/01/13
Date Extracted:	10/03/13
Date Analyzed:	10/04/13
Matrix:	Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	310013-07
Data File:	100424.D
Instrument:	GCMS6
Operator:	ya

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	110	50	150
Benzo(a)anthracene-d12	115	50	129

	Concentration
Compounds:	ug/L (ppb)
Naphthalene	0.010
Acenaphthylene	< 0.0024
Acenaphthene	1.8
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	< 0.0028
Fluoranthene	< 0.0046
Pyrene	< 0.0036
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received:	EMW-56D-100113 10/01/13	Client: Project:	SLR International Corp. Crowley 101.00205.00030
Date Extracted:	10/03/13	Lab ID:	310013-08
Date Analyzed:	10/04/13	Data File:	100425.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	113	50	150
Benzo(a)anthracene-d12	115	50	129

Benzo(a)anthracene-d12	115	50
Compounds:	Concentration ug/L (ppb)	
Naphthalene	0.010	
Acenaphthylene	< 0.0024	
Acenaphthene	1.9	
Fluorene	0.0052	
Phenanthrene	0.0068	
Anthracene	< 0.0028	
Fluoranthene	< 0.0046	
Pyrene	< 0.0036	
Benz(a)anthracene	< 0.0042	
Chrysene	< 0.0038	
Benzo(a)pyrene	< 0.0078	
Benzo(b)fluoranthene	< 0.0052	
Benzo(k)fluoranthene	< 0.0076	
Indeno(1,2,3-cd)pyrene	< 0.007	
Dibenz(a,h)anthracene	< 0.004	
Benzo(g,h,i)perylene	< 0.0044	

ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	EMW-4D-100113 10/01/13 10/03/13 10/05/13 Water	Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. Crowley 101.00205.00030 310013-09 100426.D GCMS6
Units:	ug/L (ppb)	Operator:	ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	103	50	150
Benzo(a)anthracene-d12	105	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	< 0.004
Acenaphthylene	< 0.0024
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	< 0.0028
Fluoranthene	0.0048
Pyrene	0.0036
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: CMW-2-100113
Date Received: 10/01/13
Date Extracted: 10/03/13
Date Analyzed: 10/05/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 310013-10
Data File: 100428.D
Instrument: GCMS6
Operator: ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	105	50	150
Benzo(a)anthracene-d12	116	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	< 0.004
Acenaphthylene	0.0033
Acenaphthene	0.013
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	0.0063
Fluoranthene	0.0072
Pyrene	0.0076
Benz(a)anthracene	0.0057
Chrysene	0.0098
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	0.0079
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	0.0093

ENVIRONMENTAL CHEMISTS

SLR-7-100113 10/01/13 10/03/13 10/05/13
Water ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	310013-11
Data File:	100427.D
Instrument:	GCMS6
Operator:	ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	119	50	150
Benzo(a)anthracene-d12	125	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	< 0.004
Acenaphthylene	< 0.0024
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	< 0.0028
Fluoranthene	< 0.0046
Pyrene	< 0.0036
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: Method Blank
Date Received: N/A
Date Extracted: 10/03/13
Date Analyzed: 10/04/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 03-1981 mb
Data File: 100403.D
Instrument: GCMS6
Operator: VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	101	50	150
Benzo(a)anthracene-d12	109	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	< 0.004
Acenaphthylene	< 0.0024
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	< 0.0028
Fluoranthene	< 0.0046
Pyrene	< 0.0036
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Clinia Committee ID	EX MAI 15D 100110	O1: /	CLD I 10
Client Sample ID:	EMW-15D-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/04/13	Lab ID:	310013-01 1/0.25
Date Analyzed:	10/18/13	Data File:	101762.D\ECD1A.CH
Matrix:	Water	Instrument:	GC7
Units:	ug/L (ppb)	Operator:	KJ

Surrogates:	% Recovery:	Limit:	Limit:
TCMX	79	50	150
Compounds:	Concentration ug/L (ppb)		

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

011 . 0 1 ID	EL #11 00 100110	011	OLD I
Client Sample ID:	EMW-3S-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/04/13	Lab ID:	310013-02 1/0.25
Date Analyzed:	10/18/13	Data File:	101764.D\ECD1A.CH
Matrix:	Water	Instrument:	GC7
Units:	ug/L (ppb)	Operator:	KJ

Surrogates: TCMX	% Recovery: 155	Lower Limit: 50	Upper Limit: 150
	Concentration		

	Concentration
Compounds:	ug/L (ppb)
Aroclor 1221	<0.01 j
Aroclor 1232	<0.01 j
Aroclor 1016	<0.01 j
Aroclor 1242	<0.01 j
Aroclor 1248	<0.01 j
Aroclor 1254	<0.01 j
Aroclor 1260	<0.01 j

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID: SLR-6-100113
Date Received: 10/01/13
Date Extracted: 10/04/13
Date Analyzed: 10/18/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 310013-03 1/0.25
Data File: 101766.D\ECD1A.CH
Instrument: GC7

Upper Limit:

150

Instrument: GC7
Operator: KJ
Lower

Surrogates: % Recovery: Limit: 96 50

Concentration gL(p) gL(p)

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	HC-20-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/04/13	Lab ID:	310013-04 1/0.25
Date Analyzed:	10/18/13	Data File:	101768.D\ECD1A.CH
Matrix:	Water	Instrument:	GC7
Units:	ug/L (ppb)	Operator:	KJ

Surrogates: TCMX	% Recovery: 104	Lower Limit: 50	Upper Limit: 150
Compounds:	Concentration ug/L (ppb)		

 Compounds:
 ug/L (ppb)

 Aroclor 1221
 <0.01 j</td>

 Aroclor 1232
 <0.01 j</td>

 Aroclor 1016
 <0.01 j</td>

 Aroclor 1242
 <0.01 j</td>

 Aroclor 1248
 <0.01 j</td>

 Aroclor 1254
 <0.01 j</td>

 Aroclor 1260
 <0.01 j</td>

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID: EMW-13S-100113
Date Received: 10/01/13
Date Extracted: 10/04/13
Date Analyzed: 10/18/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 310013-05 1/0.25
Data File: 101770.D\ECD1A.CH
Instrument: GC7
Operator: KJ

Surrogates: % Recovery: Limit: Limit: TCMX 100 50 150

Concentration

Compounds: ug/L (ppb)

Compounds: ug/L (ppb) Aroclor 1221 < 0.01 jAroclor 1232 < 0.01 jAroclor 1016 < 0.01 jAroclor 1242 <0.01 j Aroclor 1248 < 0.01 jAroclor 1254 < 0.01 jAroclor 1260 < 0.01 j

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Aroclor 1254 Aroclor 1260

	ON THE 0 100110	O11	CLD I 10
Client Sample ID:	CMW-6-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/04/13	Lab ID:	310013-06 1/0.25
Date Analyzed:	10/18/13	Data File:	101772.D\ECD1A.CH
Matrix:	Water	Instrument:	GC7
Units:	ug/L (ppb)	Operator:	KJ
		Lower	Upper

Surrogates: TCMX	% Recovery: 91	Lower Limit: 50	Upper Limit: 150
Compounds:	Concentration ug/L (ppb)		
Aroclor 1221 Aroclor 1232	<0.01 j <0.01 j		
Aroclor 1016	<0.01 j		
Aroclor 1242	<0.01 j		
Aroclor 1248	<0.01 j		

<0.01 j <0.01 j

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	EMW-10D-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/04/13	Lab ID:	310013-07 1/0.25
Date Analyzed:	10/18/13	Data File:	101774.D\ECD1A.CH
Matrix:	Water	Instrument:	GC7
Units:	ug/L (ppb)	Operator:	KJ

Surrogates: TCMX	% Recovery: 87	Lower Limit: 50	Upper Limit: 150
Compounds:	Concentration ug/L (ppb)		

 Compounds:
 ug/L (ppb)

 Aroclor 1221
 <0.01 j</td>

 Aroclor 1232
 <0.01 j</td>

 Aroclor 1016
 <0.01 j</td>

 Aroclor 1242
 <0.01 j</td>

 Aroclor 1248
 <0.01 j</td>

 Aroclor 1254
 <0.01 j</td>

 Aroclor 1260
 <0.01 j</td>

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	EMW-56D-100113
Date Received:	10/01/13
Date Extracted:	10/04/13
Date Analyzed:	10/18/13
Matrix:	Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	310013-08 1/0.25
Data File:	101776.D\ECD1A.CH
Instrumen	
Operator:	KJ

Upper Limit: 150

Lower Limit: 50

ncentration ug/L (ppb)
<0.01 j <0.01 j <0.01 j <0.01 j <0.01 j <0.01 j <0.01 j

ENVIRONMENTAL CHEMISTS

SLR International Corp. Crowley 101.00205.00030 310013-09 1/0.25

101778A.D\ECD1A.CH

GC7 KJ

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	EMW-4D-100113	Client:
Date Received:	10/01/13	Project:
Date Extracted:	10/04/13	Lab ID:
Date Analyzed:	10/18/13	Data File:
Matrix:	Water	Instrument:
Units:	ug/L (ppb)	Operator:

Surrogates: TCMX	% Recovery: 86	Lower Limit: 50	Upper Limit: 150
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Compounds:	Concentration ug/L (ppb)
Aroclor 1221	<0.01 j
Aroclor 1232	<0.01 j
Aroclor 1016	<0.01 j
Aroclor 1242	<0.01 j
Aroclor 1248	<0.01 j
Aroclor 1254	<0.01 j
Aroclor 1260	<0.01 j

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Aroclor 1248 Aroclor 1254 Aroclor 1260

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	CMW-2-100113 10/01/13 10/04/13 10/18/13 Water ug/L (ppb)	Lab Dat Ins	ent: ject: iD: a File: trument: erator:	SLR International Corp. Crowley 101.00205.00030 310013-10 1/0.25 101780.D\ECD1A.CH GC7 KJ
Surrogates: TCMX	% Recovery: 93		Lower Limit: 50	Upper Limit: 150
Compounds:	Concentration ug/L (ppb)			
Aroclor 1221 Aroclor 1232 Aroclor 1016 Aroclor 1242	<0.01 j <0.01 j <0.01 j <0.01 j			

<0.01 j <0.01 j <0.01 j

ENVIRONMENTAL CHEMISTS

% Recovery: 80

Analysis For PCBs By EPA Method 8082A

0	3	
Client Sample ID:	SLR-7-100113	
Date Received:	10/01/13	
Date Extracted:	10/04/13	
Date Analyzed:	10/18/13	
Matrix:	Water	
Units:	ug/L (ppb)	

Surrogates: TCMX

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	310013-11 1/0.25
Data File:	101782.D\ECD1A.CH
Instrument:	GC7
Operator:	KJ
Lower	Upper
Limit:	Limit:
50	150

Compounds:	Concentration ug/L (ppb)
Aroclor 1221	<0.01 j
Aroclor 1232	<0.01 j
Aroclor 1016	<0.01 j
Aroclor 1242	<0.01 j
Aroclor 1248	<0.01 j
Aroclor 1254	<0.01 j
Aroclor 1260	<0.01 j

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank
Date Received:	N/A
Date Extracted:	10/04/13
Date Analyzed:	10/17/13
Matrix:	Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	03-1990 mb 1/0.25
Data File:	101664.D\ECD1A.CH
Instrument:	GC7
Operator:	MCP
Lower	Upper
Limit:	Limit:
50	150

Surrogates:	% Recovery:
TCMX	115
Compounds:	Concentration ug/L (ppb)
Aroclor 1221	<0.01 j
Aroclor 1232	<0.01 j
Aroclor 1016	<0.01 j
Aroclor 1242	<0.01 j
Aroclor 1248	<0.01 j
Aroclor 1254	<0.01 j
Aroclor 1260	<0.01 j

ENVIRONMENTAL CHEMISTS

Client ID:	EMW-15D-100113
Date Received:	10/01/13
Date Extracted:	10/07/13
Date Analyzed:	10/10/13
Matrix:	Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	310013-01
Data File:	310013-01.080
Instrument:	ICPMS1
Operator:	AP
Lower	Linner

		201101	Opper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	71	60	125
Indium	59 vo	60	125
Holmium	61	60	125
Analyte:	Concentration ug/L (ppb)		
Allalyte.	ug/L (bbb)		

Analyte:	ug/L (ppb)
Cadmium	<0.0940 J
Antimony	0.0850 J
Thallium	<0.0740
Lead	<0.144

ENVIRONMENTAL CHEMISTS

Client: Project: Lab ID:

Data File:

Instrument:

60

Analysis For Total Metals By EPA Method 200.8

% Recovery:

91 87

92

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix:	EMW-15D-100113 10/01/13 10/07/13 10/10/13 Water	
Units:	ug/L (ppb)	

Internal Standard:

Germanium

Indium

Holmium

Operator:	AP	
Lower		Upper
Limit:		Limit
60		125
60		125

SLR International Corp.

Crowley 101.00205.00030

125

310013-01 x10

ICPMS1

310013-01 x10.055

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	1.38
Nickel	< 4.60
Copper	5.18
Zinc	< 6.00
Arsenic	11.5 ip
Selenium	47.3 ip
Silver	< 0.640
Cadmium	< 0.940
Antimony	< 0.520
Barium	76.4
Thallium	< 0.740
Lead	< 1.44

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: EMW-3S-100113
Date Received: 10/01/13
Date Extracted: 10/07/13
Date Analyzed: 10/10/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 310013-02
Data File: 310013-02.084
Instrument: ICPMS1
Operator: AP

Lower Upper Internal Standard: % Recovery: Limit: Limit: Germanium 63 60 125 Indium 55 vo 60 125 Holmium 57 vo 60 125

Concentration ug/L (ppb)

Cadmium <0.0940 J
Thallium <0.0740 J
Lead <0.144 J

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: EMW-3S-100113

Date Received: 10/01/13

Date Extracted: 10/07/13

Date Analyzed: 10/10/13

Matrix: Water

Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 310013-02 x10
Data File: 310013-02 x10.056
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	87	60	125
Indium	86	60	125
Holmium	90	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.980 Chromium 1.61 Nickel 7.03 Copper 8.00 Zinc 47.0 Arsenic 14.0 ip Selenium 53.9 ip Silver < 0.640 Cadmium < 0.940 Antimony 0.810 Barium 157 Thallium < 0.740 Lead < 1.44

ENVIRONMENTAL CHEMISTS

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	310013-03
Data File:	310013-03.075
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	93	60	125
Indium	93	60	125
Holmium	98	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	0.826
Nickel	1.04
Copper	3.85
Zinc	14.5
Arsenic	0.872 ip
Selenium	<0.560 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	0.763
Barium	21.1
Thallium	< 0.0740
Lead	1.20

ENVIRONMENTAL CHEMISTS

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix:	HC-20-100113 10/01/13 10/07/13 10/10/13 Water	
Units:	ug/L (ppb)	

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	310013-04
Data File:	310013-04.077
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	107	60	125
Indium	91	60	125
Holmium	92	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.43
Nickel	1.07
Copper	< 0.340
Zinc	4.24
Arsenic	17.9 ip
Selenium	<0.560 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	0.335
Barium	20.6
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

·	· ·		
Client ID:	EMW-13S-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	310013-05
Date Analyzed:	10/10/13	Data File:	310013-05.087
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP
		-	

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	55 vo	60	125
Indium	51 vo	60	125
Holmium	55 vo	60	125

maram	31 70
Holmium	55 vo
Analyte:	Concentration ug/L (ppb)
Cadmium Thallium Lead	<0.0940 J <0.0740 J 1.06 J

ENVIRONMENTAL CHEMISTS

Client ID: Date Received:	EMW-13S-100113 10/01/13
Date Extracted:	10/07/13
Date Analyzed:	10/10/13
Matrix:	Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	310013-05 x10
Data File:	310013-05 x10:059
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	87	60	125
Indium	85	60	125
Holmium	87	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	1.63
Nickel	4.77
Copper	10.7
Zinc	< 6.00
Arsenic	289 ip
Selenium	61.6 ip
Silver	< 0.640
Cadmium	< 0.940
Antimony	19.6
Barium	250
Thallium	< 0.740
Lead	<1.44

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: CMW-6-100113
Date Received: 10/01/13
Date Extracted: 10/07/13
Date Analyzed: 10/10/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 310013-06
Data File: 310013-06.086
Instrument: ICPMS1
Operator: AP

Upper Limit: 125 125 125

		Lower	
Internal Standard:	% Recovery:	Limit:	
Germanium	57 vo	60	
Indium	52 vo	60	
Holmium	55 vo	60	

Concentration ug/L (ppb)

Cadmium <0.0940 J
Thallium <0.0740 J
Lead <0.144 J

ENVIRONMENTAL CHEMISTS

SLR International Corp. Crowley 101.00205.00030 310013-06 x10

310013-06 x10.061

ICPMS1

ΑP

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	CMW-6-100113 10/01/13 10/07/13 10/10/13 Water ug/L (ppb)	Client: Project: Lab ID: Data File: Instrument: Operator:
Units:	ug/L (ppb)	Operator:

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	85	60	125
Indium	83	60	125
Holmium	86	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	2.98
Nickel	4.86
Copper	18.9
Zinc	29.7
Arsenic	71.7 ip
Selenium	64.8 ip
Silver	< 0.640
Cadmium	< 0.940
Antimony	29.5
Barium	94.9
Thallium	< 0.740
Lead	< 1.44

ENVIRONMENTAL CHEMISTS

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix:	EMW-10D-100113 10/01/13 10/07/13 10/10/13 Water	Client: Project: Lab ID: Data File: Instrument:	SLR International Corp. Crowley 101.00205.00030 310013-07 310013-07.078 ICPMS1
Units:	ug/L (ppb)	Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	89	60	125
Indium	68	60	125
Holmium	69	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	0.940
Nickel	1.66
Copper	0.388
Zinc	< 0.600
Arsenic	7.23 ip
Selenium	28.9 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	< 0.0520
Barium	93.0
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Client ID:	EMW-56D-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	310013-08
Date Analyzed:	10/10/13	Data File:	310013-08.079
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP
		_	

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	87	60	125
Indium	67	60	125
Holmium	67	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.03
Nickel	1.65
Copper	0.356
Zinc	< 0.600
Arsenic	7.48 ip
Selenium	30.1 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	< 0.0520
Barium	90.9
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	71	60	125
Indium	56 vo	60	125
Holmium	57 vo	60	125

Analyte:	Concentration ug/L (ppb)
Cadmium	<0.0940 J
Antimony	0.133 J
Thallium	<0.074 J
Lead	0.440 J

ENVIRONMENTAL CHEMISTS

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix:	EMW-4D-100113 10/01/13 10/07/13 10/10/13 Water
Matrix: Units:	water ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	310013-09 x10
Data File:	310013-09 x10.064
Instrument:	ICPMS1
Operator:	AP

	Lower	Upper
% Recovery:	Limit:	Limit:
89	60	125
86	60	125
90	60	125
	89 86	% Recovery: Limit: 89 60 86 60

Analyte:	Concentration ug/L (ppb)
Beryllium Chromium	<0.980
	1.64
Nickel	<4.60
Copper	5.10
Zinc	< 6.00
Arsenic	11.4 ip
Selenium	44.2 ip
Silver	< 0.640
Cadmium	< 0.940
Antimony	< 0.520
Barium	154
Thallium	< 0.740
Lead	<1.44

ENVIRONMENTAL CHEMISTS

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	77	60	125
Indium	72	60	125
Holmium	78	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.64
Nickel	1.76
Copper	3.50
Zinc	5.20
Arsenic	46.5 ip
Selenium	19.4 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	7.00
Barium	59.7
Thallium	< 0.0740
Lead	1.04

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: SLR-7-100113
Date Received: 10/01/13
Date Extracted: 10/07/13
Date Analyzed: 10/10/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 310013-11
Data File: 310013-11.076
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	98	60	125
Indium	94	60	125
Holmium	96	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 0.275 Nickel 3.29 Copper 0.683 Zinc 5.95 Arsenic 2.30 ip Selenium <0.560 ip Silver < 0.0640 Cadmium < 0.0940 Antimony 0.107 Barium 13.5 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Method Blank
Date Received: N/A
Date Extracted: 10/07/13
Date Analyzed: 10/10/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: I3-646 mb
Data File: I3-646 mb.011
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	99	60	125
Indium	100	60	125
Holmium	97	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium < 0.138 Nickel < 0.460 Copper < 0.340 Zinc < 0.600 Arsenic < 0.150 Selenium < 0.560 Silver < 0.0640 Cadmium < 0.0940 Antimony < 0.0520 Barium < 0.260 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	EMW-15D-100113	Client:	SLR International Corp.
	10/01/13	Project:	Crowley 101.00205.00030
	10/07/13	Lab ID:	310013-01
	10/09/13	Data File:	310013-01.080
	Water	Instrument:	ICPMS1
	ug/L (ppb)	Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	69	60	125
Indium	55 vo	60	125
Holmium	60	60	125

Analyte:	Concentration ug/L (ppb)
Cadmium	<0.0940 J
Antimony	0.216 J
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Client ID:	EMW-15D-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	310013-01 x10
Date Analyzed:	10/09/13	Data File:	310013-01 x10.023
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP
		Lower	Unner

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	96	60	125
Indium	92	60	125
Holmium	96	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	2.63
Nickel	<4.60
Zinc	7.24
Silver	< 0.640
Cadmium	< 0.940
Antimony	< 0.520
Barium	76.4
Thallium	< 0.740
Lead	<1.44

ENVIRONMENTAL CHEMISTS

Client:

Project: Lab ID:

Data File:

Instrument:

60

Analysis For Dissolved Metals By EPA Method 200.8

% Recovery: 60

50 vo

57 vo

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix:	EMW-3S-100113 10/01/13 10/07/13 10/09/13 Water
Matrix: Units:	Water ug/L (ppb)

Operator:	AP	
Lower		Upper
Limit:		Limit:
60		125
60		125

310013-02

ICPMS1

310013-02.081

SLR International Corp. Crowley 101.00205.00030

125

Analyte:	Concentration ug/L (ppb)
Cadmium	<0.0940 J
Thallium	<0.0740 J
Lead	<0.144 J

Internal Standard:

Germanium

Indium

Holmium

ENVIRONMENTAL CHEMISTS

Date Received: 10/01/13 Project: Crowley 101.002 Date Extracted: 10/07/13 Lab ID: 310013-02 x10 Date Analyzed: 10/09/13 Data File: 310013-02 x10.02 Matrix: Water Instrument: ICPMS1 Units: ug/L (ppb) Operator: AP	
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		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	93	60	125
Indium	92	60	125
Holmium	95	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	2.66
Nickel	5.99
Zinc	105
Silver	< 0.640
Cadmium	< 0.940
Antimony	0.610
Barium	162
Thallium	< 0.740
Lead	<1.44

ENVIRONMENTAL CHEMISTS

SLR-6-100113	Client:	SLR International Corp.
10/01/13	Project:	Crowley 101.00205.00030
10/07/13	Lab ID:	310013-03
10/09/13	Data File:	310013-03.067
Water	Instrument:	ICPMS1
ug/L (ppb)	Operator:	AP
•	10/01/13 10/07/13 10/09/13 Water	10/01/13 Project: 10/07/13 Lab ID: 10/09/13 Data File: Water Instrument:

		Lower	Opper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	101	60	125
Indium	104	60	125
Holmium	108	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	0.423
Nickel	0.703
Zinc	7.41
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	0.794
Barium	14.2
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Date Received: 10/01/13 Date Extracted: 10/07/13 Date Analyzed: 10/09/13 Matrix: Water Units: ug/L (ppb)	Date Analyzed: Matrix:	10/09/13 Water
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Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	310013-04
Data File:	310013-04.082
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	102	60	125
Indium	82	60	125
Holmium	87	60	125

Analyte:	Concentratior ug/L (ppb)
Beryllium	<0.0980
Chromium	1.46
Nickel	1.18
Zinc	4.77
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	0.364
Barium	20.1
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix:	EMW-13S-100113 10/01/13 10/07/13 10/09/13 Water
Matrix:	Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	310013-05
Data File:	310013-05.083
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	52 vo	60	125
Indium	42 vo	60	125
Holmium	49 vo	60	125
	Concentration		

· ·	
Thallium <0	0.0940 J 0.0740 J 0.144 J

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID: EMW-13S-100113
Date Received: 10/01/13
Date Extracted: 10/07/13
Date Analyzed: 10/09/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 310013-05 x10
Data File: 310013-05 x10.027
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	93	60	125
Indium	91	60	125
Holmium	97	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.980 Chromium 2.28 Nickel 5.38 Zinc < 6.00 Silver < 0.640 Cadmium < 0.940 Antimony 23.1 Barium 248 Thallium < 0.740 Lead <1.44

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID: CMW-6-100113
Date Received: 10/01/13
Date Extracted: 10/07/13
Date Analyzed: 10/09/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 310013-06
Data File: 310013-06.085
Instrument: ICPMS1
Operator: AP

	Lower	Upper
% Recovery:	Limit:	Limit:
55 vo	60	125
48 vo	60	125
55 vo	60	125
	55 vo 48 vo	% Recovery: Limit: 55 vo 60 48 vo 60

Concentration ug/L (ppb)

Cadmium <0.0940 J
Thallium <0.0740 J
Lead 1.24 J

ENVIRONMENTAL CHEMISTS

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Client ID:	CMW-6-100113	Client:	SLR International Corp.
Date Received:	10/01/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	310013-06 x10
Date Analyzed:	10/09/13	Data File:	310013-06 x10.029
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP
		-	

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	91	60	125
Indium	91	60	125
Holmium	94	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	4.33
Nickel	6.98
Zinc	29.8
Silver	< 0.640
Cadmium	< 0.940
Antimony	27.4
Barium	93.3
Thallium	< 0.740
Lead	<1.44

ENVIRONMENTAL CHEMISTS

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	90	60	125
Indium	65	60	125
Holmium	69	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.03
Nickel	2.09
Zinc	1.11
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	0.0570
Barium	90.4
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Client: Project: Lab ID: Data File: Instrument:	SLR International Corp. Crowley 101.00205.00030 310013-08 310013-08.076 ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	91	60	125
Indium	66	60	125
Holmium	70	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.11
Nickel	1.97
Zinc	2.91
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	0.0600
Barium	85.5
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Client ID: Date Received: Date Extracted: Date Analyzed:	EMW-4D-100113 10/01/13 10/07/13 10/09/13
Date Analyzed: Matrix: Units:	10/09/13 Water ug/L (ppb)
	0 41 7

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	310013-09
Data File:	310013-09.077
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	71	60	125
Indium	54 vo	60	125
Holmium	58 vo	60	125

Analyte:	ug/L (ppb)
Cadmium	<0.0940 J
Antimony	0.117 J
Thallium	<0.0740 J
Lead	<0.144 J

ENVIRONMENTAL CHEMISTS

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09 x10 09 x10.032

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	95	60	125
Indium	94	60	125
Holmium	101	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	1.94
Nickel	< 4.60
Zinc	< 6.00
Silver	< 0.640
Cadmium	< 0.940
Antimony	< 0.520
Barium	152
Thallium	< 0.740
Lead	<1.44

ENVIRONMENTAL CHEMISTS

Client ID: Date Received: Date Extracted:	CMW-2-100113 10/01/13 10/07/13	Client: Project: Lab ID:	SLR International Corp. Crowley 101.00205.00030 310013-10
Date Analyzed: Matrix:	10/09/13 Water	Data File: Instrument:	310013-10.084 ICPMS1
Units:	ug/L (ppb)	Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	73	60	125
Indium	63	60	125
Holmium	70	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.40
Nickel	2.14
Zinc	3.69
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	8.18
Barium	76.0
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix:	SLR-7-100113 10/01/13 10/07/13 10/09/13 Water	Client: Project: Lab ID: Data File: Instrument:	SLR International Corp. Crowley 101.00205.00030 310013-11 310013-11.074 ICPMS1
Units:	ug/L (ppb)	Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	93	60	125
Indium	90	60	125
Holmium	93	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	<0.0980
Chromium	0.391
Nickel	3.93
Zinc	7.66
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	0.139
Barium	13.9
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8 $\,$

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	Method Blank N/A 10/07/13 10/09/13 Water
Units:	ug/L (ppb)

Client: Project:	SLR International Corp. Crowley 101.00205.00030
Lab ID:	I3-647 mb
Data File:	I3-647 mb.011
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	99	60	125
Indium	97	60	125
Holmium	98	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	< 0.138
Nickel	< 0.460
Zinc	< 0.600
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	< 0.0520
Barium	< 0.260
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 10/01/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310013

Date Extracted: 10/07/13 Date Analyzed: 10/08/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Total Mercury
EMW-15D-100113 310013-01	< 0.0015
EMW-3S-100113 310013-02	< 0.0015
SLR-6-100113 310013-03	0.0055
HC-20-100113 310013-04	< 0.0015
EMW-13S-100113 310013-05	0.0020
CMW-6-100113 310013-06	0.0033
EMW-10D-100113 310013-07	< 0.0015
EMW-56D-100113 310013-08	< 0.0015
EMW-4D-100113 310013-09	< 0.0015
CMW-2-100113 310013-10	0.0046
SLR-7-100113 310013-11	< 0.0015
Method Blank	< 0.0015

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 10/01/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310013

Date Extracted: 10/07/13 Date Analyzed: 10/08/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED MERCURY USING EPA METHOD 1631E

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	<u>Dissolved Mercury</u>
EMW-15D-100113 310013-01	< 0.0015
EMW-3S-100113 310013-02	<0.0015
SLR-6-100113 310013-03	<0.0015
HC-20-100113 310013-04	<0.0015
EMW-13S-100113 310013-05	<0.0015
CMW-6-100113 310013-06	0.0030
EMW-10D-100113 310013-07	<0.0015
EMW-56D-100113 310013-08	<0.0015
EMW-4D-100113 310013-09	<0.0015
CMW-2-100113 310013-10	0.0017
SLR-7-100113 310013-11	< 0.0015
Method Blank	<0.0015

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 10/01/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310013

Date Extracted: NA Date Analyzed: 10/03/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL SUSPENDED SOLIDS BY METHOD 2540D

Results Reported as mg/L (ppm)

Sample ID Laboratory ID	Total Suspended <u>Solids</u>
EMW-15D-100113 310013-01	19
EMW-3S-100113 310013-02	<9.7
SLR-6-100113 310013-03	<9.7
HC-20-100113 310013-04	<9.7
EMW-13S-100113 310013-05	<9.7
CMW-6-100113 310013-06	<9.7
EMW-10D-100113 310013-07	24
EMW-56D-100113 310013-08	23
EMW-4D-100113 310013-09	48
CMW-2-100113 310013-10	<9.7
SLR-7-100113 310013-11	<9.7
Method Blank	<9.7

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 10/01/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310013

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 309543-01 (Duplicate)

J	Reporting	·	Duplicate	RPD
Analyte	Units	Sample Result	Result	(Limit 20)
Gasoline	ug/L (ppb)	<12	<12	nm

		Percent			
	Reporting	Spike	Recovery	Acceptance	
Analyte	Units	Level	LCS	Criteria	
Gasoline	ug/L (ppb)	1,000	102	69-134	_

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 10/01/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310013

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample Silica Gel

			Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Diesel Extended	ug/L (ppb)	500	87	91	58-134	4

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 10/01/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310013

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 310013-01 (Matrix Spike)

•	-			Percent	
	Reporting	Spike	Sample	Recovery	Acceptance
Analyte	Units	Level	Result	MS	Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	<0.16	101	55-144
Chloromethane Vinyl chloride	ug/L (ppb) ug/L (ppb)	50 50	<0.22 <0.13	93 98	67-131 61-139
Bromomethane	ug/L (ppb) ug/L (ppb)	50	<0.13	231 vo	66-129
Chloroethane	ug/L (ppb)	50	< 0.18	100	68-126
Trichlorofluoromethane	ug/L (ppb)	50	< 0.17	100	71-128
Acetone	ug/L (ppb)	250	<2.6	86	48-149
1,1-Dichloroethene	ug/L (ppb)	50	< 0.19	99	71-123
Methylene chloride	ug/L (ppb)	50	<3	107	61-126
Methyl t-butyl ether (MTBE) trans-1,2-Dichloroethene	ug/L (ppb)	50 50	<0.13 <0.24	101 99	68-125 72-122
1.1-Dichloroethane	ug/L (ppb) ug/L (ppb)	50	< 0.24	99	79-113
2,2-Dichloropropane	ug/L (ppb)	50	<0.16	107	58-132
cis-1,2-Dichloroethene	ug/L (ppb)	50	< 0.24	95	73-119
Chloroform	ug/L (ppb)	50	< 0.24	98	80-112
2-Butanone (MEK)	ug/L (ppb)	250	< 0.94	93	69-123
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	< 0.11	100	78-113
1,1,1-Trichloroethane	ug/L (ppb)	50 50	<0.2 <0.26	102 99	79-116 67-121
1,1-Dichloropropene Carbon tetrachloride	ug/L (ppb) ug/L (ppb)	50	<0.24	107	72-123
Benzene	ug/L (ppb)	50	< 0.13	96	79-109
Trichloroethene	ug/L (ppb)	50	< 0.17	95	75-109
1,2-Dichloropropane	ug/L (ppb)	50	< 0.32	100	80-111
Bromodichloromethane	ug/L (ppb)	50	< 0.38	104	78-117
Dibromomethane	ug/L (ppb)	50	<0.28	101	80-112
4-Methyl-2-pentanone	ug/L (ppb)	250 50	<1.3 <0.2	120 107	79-123 76-120
cis-1,3-Dichloropropene Toluene	ug/L (ppb) ug/L (ppb)	50 50	<0.2	95	76-120 73-117
trans-1,3-Dichloropropene	ug/L (ppb)	50	<0.13	108	75-122
1,1,2-Trichloroethane	ug/L (ppb)	50	<0.28	105	81-111
2-Hexanone	ug/L (ppb)	250	<1	109	75-126
1,3-Dichloropropane	ug/L (ppb)	50	<0.2	100	81-111
Tetrachloroethene	ug/L (ppb)	50	<0.28	100	72-113
Dibromochloromethane 1,2-Dibromoethane (EDB)	ug/L (ppb)	50 50	<0.24 <0.24	108 104	69-129 83-114
Chlorobenzene	ug/L (ppb) ug/L (ppb)	50	<0.24	94	75-115
Ethylbenzene	ug/L (ppb)	50	< 0.16	99	71-120
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	< 0.32	103	78-122
m,p-Xylene	ug/L (ppb)	100	< 0.5	99	63-128
o-Xylene	ug/L (ppb)	50	< 0.22	100	64-129
Styrene	ug/L (ppb)	50	<0.22	101	70-122
Isopropylbenzene Bromoform	ug/L (ppb) ug/L (ppb)	50 50	<0.15 <0.22	99 111	76-118 49-138
n-Propylbenzene	ug/L (ppb)	50	<0.14	101	74-117
Bromobenzene	ug/L (ppb)	50	< 0.18	101	70-121
1,3,5-Trimethylbenzene	ug/L (ppb)	50	< 0.18	102	81-112
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	< 0.24	106	79-120
1,2,3-Trichloropropane	ug/L (ppb)	50	<0.28	102	72-119
2-Chlorotoluene 4-Chlorotoluene	ug/L (ppb)	50 50	<0.13 <0.16	99 99	77-114 81-109
tert-Butylbenzene	ug/L (ppb) ug/L (ppb)	50	<0.16	102	81-116
1,2,4-Trimethylbenzene	ug/L (ppb)	50	<0.11	100	74-118
sec-Butylbenzene	ug/L (ppb)	50	< 0.12	102	77-118
p-Isopropyltoluene	ug/L (ppb)	50	< 0.15	99	64-132
1,3-Dichlorobenzene	ug/L (ppb)	50	< 0.15	95	81-111
1,4-Dichlorobenzene	ug/L (ppb)	50	< 0.094	91	78-110
1,2-Dichlorobenzene 1,2-Dibromo-3-chloropropane	ug/L (ppb)	50 50	<0.13 <0.44	95 108	81-111
1,2-Dibromo-3-chioropropane 1,2,4-Trichlorobenzene	ug/L (ppb) ug/L (ppb)	50 50	<0.44 <0.34	108 95	69-129 74-115
Hexachlorobutadiene	ug/L (ppb)	50	< 0.46	91	67-120
Naphthalene	ug/L (ppb)	50	<0.28	105	63-136
1,2,3-Trichlorobenzene	ug/L (ppb)	50	< 0.38	93	79-115

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 10/01/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310013

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

			Percent	Percent		
	Doporting	Spiles	Recovery	Recovery	Accortonce	RPD
	Reporting	Spike	J	3	Acceptance	
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	114	116	54-149	2
Chloromethane Vinyl chloride	ug/L (ppb)	50 50	106 104	109 106	67-133 73-132	3 2
Bromomethane	ug/L (ppb) ug/L (ppb)	50 50	245 vo	261 vo	69-123	6
Chloroethane	ug/L (ppb)	50	103	106	68-126	š
Trichlorofluoromethane	ug/L (ppb)	50	106	108	70-132	2
Acetone	ug/L (ppb)	250	107	98 102	44-145	9 0
1,1-Dichloroethene Methylene chloride	ug/L (ppb) ug/L (ppb)	50 50	102 106	102	75-119 63-132	0 1
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	101	101	70-122	Ô
trans-1,2-Dichloroethene	ug/L (ppb)	50	100	101	76-118	1
I,I-Dichloroethane	ug/L (ppb)	50	102	104	80-116	2
2,2-Dichloropropane cis-1,2-Dichloroethene	ug/L (ppb) ug/L (ppb)	50 50	106 98	110 98	62-141 81-111	4 0
Chloroform	ug/L (ppb)	50	100	102	81-109	2
2-Butanone (MEK)	ug/L (ppb)	250	101	97	53-140	4
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	102	103	79-109	1
1,1,1-Trichloroethane 1,1-Dichloropropene	ug/L (ppb) ug/L (ppb)	50 50	104 104	106 106	80-116 78-112	2 2
Carbon tetrachloride	ug/L (ppb)	50 50	110	112	72-128	2
Benzene	ug/L (ppb)	50	99	100	81-108	1
Trichloroethene	ug/L (ppb)	50	97	99	77-108	2
1,2-Dichloropropane Bromodichloromethane	ug/L (ppb) ug/L (ppb)	50 50	104 108	105 109	82-109 76-120	1 1
Dibromomethane	ug/L (ppb) ug/L (ppb)	50 50	104	104	80-110	0
4-Methyl-2-pentanone	ug/L (ppb)	250	119	117	59-142	2
cis-1,3-Dichloropropene	ug/L (ppb)	50	114	116	76-128	2
Toluene trans-1,3-Dichloropropene	ug/L (ppb)	50 50	99 116	100 120	83-108 76-128	1 3
1.1.2-Trichloroethane	ug/L (ppb) ug/L (ppb)	50 50	108	120	76-128 82-110	
2-Hexanone	ug/L (ppb)	250	109	111	53-145	2 2
1,3-Dichloropropane	ug/L (ppb)	50	103	106	83-110	3
Tetrachloroethene	ug/L (ppb)	50	103	106	78-109	3
Dibromochloromethane 1,2-Dibromoethane (EDB)	ug/L (ppb) ug/L (ppb)	50 50	113 107	117 110	63-140 85-113	3 3
Chlorobenzene	ug/L (ppb)	50	97	100	84-108	3
Ethylbenzene	ug/L (ppb)	50	101	104	84-110	3
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	108	112	76-125	4
m.p-Xylene o-Xylene	ug/L (ppb) ug/L (ppb)	100 50	101 101	104 105	84-112 82-113	3 4
Styrene	ug/L (ppb)	50	104	108	84-116	4
Isopropylbenzene	ug/L (ppb)	50	102	105	81-122	3
Bromoform	ug/L (ppb)	50 50	116	120	40-161	3 1
n-Propylbenzene Bromobenzene	ug/L (ppb) ug/L (ppb)	50 50	103 102	104 103	81-115 80-113	1
1,3,5-Trimethylbenzene	ug/L (ppb)	50	105	106	83-117	1
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	106	106	79-118	0
1,2,3-Trichloropropane	ug/L (ppb)	50 50	102	103	74-116	1
2-Chlorotoluene 4-Chlorotoluene	ug/L (ppb) ug/L (ppb)	50 50	101 102	103 103	79-112 81-113	2 1
tert-Butylbenzene	ug/L (ppb)	50	105	107	81-119	2
1,2,4-Trimethylbenzene	ug/L (ppb)	50	102	104	83-116	2
sec-Butylbenzene	ug/L (ppb)	50	105	106	83-116	1
p-Isopropyltoluene 1.3-Dichlorobenzene	ug/L (ppb) ug/L (ppb)	50 50	103 97	103 97	82-119 83-111	0 0
1,4-Dichlorobenzene	ug/L (ppb)	50	93	94	82-109	1
1,2-Dichlorobenzene	ug/L (ppb)	50	97	97	83-111	0
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	110	111	62-133	1
1,2,4-Trichlorobenzene Hexachlorobutadiene	ug/L (ppb) ug/L (ppb)	50 50	97 94	100 95	77-117 74-118	3 1
Naphthalene	ug/L (ppb)	50	106	106	75-131	0
1,2,3-Trichlorobenzene	ug/L (ppb)	50	97	99	82-115	2

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 10/01/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310013

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270D

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Phenol	ug/L (ppb)	10	34	40	18-52	16
Bis(2-chloroethyl) ether	ug/L (ppb)	10	87	96	52-113	10
2-Chlorophenol	ug/L (ppb)	10	84	97	50-110	14
1,3-Dichlorobenzene	ug/L (ppb)	10	89	98	45-109	10
1,4-Dichlorobenzene	ug/L (ppb)	10	91	100	44-118	9
1,2-Dichlorobenzene	ug/L (ppb)	10	91	101	46-116	10
Benzyl alcohol	ug/L (ppb)	10	83	92	42-100	10
Bis (2-chloroisopropyl) ether	ug/L (ppb)	10	92	100	51-124	8
2-Methylphenol	ug/L (ppb)	10	75	91	38-100	19
Hexachloroethane	ug/L (ppb)	10	89	99	42-117	11
N-Nitroso-di-n-propylamine	ug/L (ppb)	10	90	102	48-124	12
3-Methylphenol + 4-Methylphenol	ug/L (ppb)	10	69	83	48-87	18
Nitrobenzene	ug/L (ppb)	10	92	100	50-118	8
Isophorone	ug/L (ppb)	10	103	107	55-116	4
2-Nitrophenol	ug/L (ppb)	10	105	113	42-127	7
2,4-Dimethylphenol	ug/L (ppb)	10	66	91	45-100	32 vo
Benzoic acid	ug/L (ppb)	65	27	30	10-46	11
Bis(2-chloroethoxy)methane	ug/L (ppb)	10	98	105	55-115	7
2,4-Dichlorophenol	ug/L (ppb)	10	101	110	55-113	9
1,2,4-Trichlorobenzene	ug/L (ppb)	10	92	99	50-109	7
Hexachlorobutadiene	ug/L (ppb)	10	92	97	50-109	5
4-Chloroaniline	ug/L (ppb)	20	101	101	30-109	0
4-Chloro-3-methylphenol	ug/L (ppb)	10	99	108	54-114	9
2-Methylnaphthalene	ug/L (ppb)	10	97	102	53-113	5
Hexachlorocyclopentadiene	ug/L (ppb)	10	51	58	26-94	13
2,4,6-Trichlorophenol	ug/L (ppb)	10	98	105	46-114	7
2,4,5-Trichlorophenol	ug/L (ppb)	10	100	109	57-122	9
2-Chloronaphthalene	ug/L (ppb)	10	90	98	52-112	9
2-Nitroaniline	ug/L (ppb)	10	113	119	47-128	5
Dimethyl phthalate	ug/L (ppb)	10	111	112	55-116	1
2,6-Dinitrotoluene	ug/L (ppb)	10	118	119	49-126	1
3-Nitroaniline	ug/L (ppb)	20	112	118	21-125	5
2,4-Dinitrophenol	ug/L (ppb)	10	75	96	29-130	25 vo
Dibenzofuran	ug/L (ppb)	10	97	102	53-113	5
2,4-Dinitrotoluene	ug/L (ppb)	10	120	123	48-129	2
4-Nitrophenol	ug/L (ppb)	10	41	49	12-59	18
Diethyl phthalate	ug/L (ppb)	10	111	109	55-116	2
4-Chlorophenyl phenyl ether	ug/L (ppb)	10	98	100	52-115	2
N-Nitrosodiphenylamine	ug/L (ppb)	10	99	104	51-112	5
4-Nitroaniline	ug/L (ppb)	20	103	112	42-115	8
4,6-Dinitro-2-methylphenol	ug/L (ppb)	10	83	101	40-128	20
4-Bromophenyl phenyl ether	ug/L (ppb)	10	98	102	53-114	4
Hexachlorobenzene	ug/L (ppb)	10	96	99	54-115	3
Pentachlorophenol	ug/L (ppb)	10	90	103	49-114	13
Carbazole	ug/L (ppb)	10	97	106	54-115	9
Di-n-butyl phthalate	ug/L (ppb)	10	103	108	54-115 54-115	5
Benzyl butyl phthalate	ug/L (ppb)	10	112	118	54-115 53-122	5
	ug/L (ppb)	10	112	120		7
Bis(2-ethylhexyl) phthalate Di-n-octyl phthalate	ug/L (ppb)	10	116	120	54-122 50-131	3

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 10/01/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310013

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR PNA'S BY EPA METHOD 8270D SIM

			Percent	Percent		
	Reporting	Spike	Recovery LCS	Recovery	Acceptance	RPD
Analyte	Units	Level	_	LCSD	Criteria	(Limit 20)
Naphthalene	ug/L (ppb)	1	84	86	67-116	2
Acenaphthylene	ug/L (ppb)	1	88	90	65-119	2
Acenaphthene	ug/L (ppb)	1	87	88	66-118	1 .
Fluorene	ug/L (ppb)	1	92	93	64-125	1
Phenanthrene	ug/L (ppb)	1	89	90	67-120	1
Anthracene	ug/L (ppb)	1	93	95	65-122	2
Fluoranthene	ug/L (ppb)	1	94	95	65-127	1
Pyrene	ug/L (ppb)	1	94	92	62-130	2
Benz(a)anthracene	ug/L (ppb)	1	90	90	60-118	0
Chrysene	ug/L (ppb)	1	94	96	66-125	2
Benzo(b)fluoranthene	ug/L (ppb)	1	97	99	55-135	2
Benzo(k)fluoranthene	ug/L (ppb)	1	92	102	62-125	10
Benzo(a)pyrene	ug/L (ppb)	1	92	95	58-127	3
Indeno(1,2,3-cd)pyrene	ug/L (ppb)	1	92	86	36-142	7
Dibenz(a,h)anthracene	ug/L (ppb)	1	80	75	37-133	6
Benzo(g,h,i)perylene	ug/L (ppb)	1	84	79	34-135	6

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 10/01/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310013

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

	Reporting	Spike	Percent Recovery	Percent Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Aroclor 1016	ug/L (ppb)	2.5	116	109	70-130	6
Aroclor 1260	ug/L (ppb)	2.5	109	104	70-130	5

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 10/01/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310013

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 309543-08 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Beryllium	ug/L (ppb)	5	< 0.0980	98	96	67-145	2
Chromium	ug/L (ppb)	20	1.26	87	89	64-132	2
Nickel	ug/L (ppb)	20	0.728	84	82	61-128	2
Copper	ug/L (ppb)	20	< 0.340	78	79	63-124	1
Zinc	ug/L (ppb)	50	< 0.600	88	80	55-141	10
Arsenic	ug/L (ppb)	10	5.31 ip	97 b	92 b	60-150	5 b
Selenium	ug/L (ppb)	5	<0.560 ip	92	93	43-178	1
Silver	ug/L (ppb)	5	< 0.0640	81	82	71-115	1
Cadmium	ug/L (ppb)	5	< 0.0940	97	97	83-116	0
Antimony	ug/L (ppb)	20	0.0730	96	97	62-125	1
Barium	ug/L (ppb)	50	12.6	103 b	102 b	79-126	1 b
Thallium	ug/L (ppb)	5	< 0.0740	97	96	73-119	1
Lead	ug/L (ppb)	10	< 0.144	95	92	79-121	3

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Beryllium	ug/L (ppb)	5	96	73-135
Chromium	ug/L (ppb)	20	96	80-119
Nickel	ug/L (ppb)	20	97	79-122
Copper	ug/L (ppb)	20	97	81-119
Zinc	ug/L (ppb)	50	96	76-124
Arsenic	ug/L (ppb)	10	92	80-111
Selenium	ug/L (ppb)	5	97	81-119
Silver	ug/L (ppb)	5	85	80-116
Cadmium	ug/L (ppb)	5	95	83-113
Antimony	ug/L (ppb)	20	85	79-108
Barium	ug/L (ppb)	50	96	83-117
Thallium	ug/L (ppb)	5	96	78-116
Lead	ug/L (ppb)	10	95	83-115

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 10/01/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310013

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED METALS USING EPA METHOD 200.8

			Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Beryllium	ug/L (ppb)	5	101	97	73-135	4
Chromium	ug/L (ppb)	20	102	101	80-119	1
Nickel	ug/L (ppb)	20	101	100	79-122	1
Zinc	ug/L (ppb)	50	99	98	76-124	1
Silver	ug/L (ppb)	5	91	88	80-116	3
Cadmium	ug/L (ppb)	5	101	97	83-113	4
Antimony	ug/L (ppb)	20	88	90	79-108	2
Barium	ug/L (ppb)	50	103	99	83-117	4
Thallium	ug/L (ppb)	5	104	102	78-116	2
Lead	ug/L (ppb)	10	102	100	83-115	2

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 10/01/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310013

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Laboratory Code: 309543-01 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Ûnits	Level	Result	MS	MSD	Criteria	(Limit 20)
Mercury	ug/L (ppb)	0.01	0.0015	96	93	63-132	3

		Percent					
	Reporting	Spike	Spike Recovery Acceptai				
Analyte	Units	Level	LCS	Criteria			
Mercury	ug/L (ppb)	0.01	100	78-118			

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 10/01/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310013

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED MERCURY USING EPA METHOD 1631E

-	-	_	Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Mercury	ug/L (ppb)	0.01	100	102	78-118	2

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 10/01/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310013

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL SUSPENDED SOLIDS BY METHOD 2540D

Laboratory Code: 310077-02 (Duplicate)

				Relative	
	Reporting	Sample	Duplicate	Percent	Acceptance
Analyte	Units	Result	Result	Difference	Criteria
TSS	mg/L	16	22	32 a	0-20

			Percent	
	Reporting	Spike	Recovery	Acceptance
_Analyte	Units	Level	LCS	Criteria
TSS	mg/L	50	105	61-131

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 More than one compound of similar molecule structure was identified with equal probability.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte indicated may be due to carryover from previous sample injections.
- d The sample was diluted. Detection limits may be raised due to dilution.
- ds The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb Analyte present in the blank and the sample.
- fc The compound is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht Analysis performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j The result is below normal reporting limits. The value reported is an estimate.
- \boldsymbol{J} The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- ${
 m jl}$ The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the compound indicated is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- $\,$ nm $\,$ The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



October 18, 2013

Michele Costales Poquiz Friedman & Bruya 3012 16th Ave W Seattle, WA 98119

RE: Project: 310013 ARI Job No.: XI10

Dear Michele:

Please find enclosed the Chain-of-Custody record (COC), sample receipt documentation, and the final data for the samples from the project referenced above. Analytical Resources, Inc. (ARI) accepted eleven water samples on October 3, 2013 under ARI job XI10. For further details regarding sample receipt, please refer to the enclosed Cooler Receipt Form.

The samples were analyzed for chloride and TDS, as requested on the COC.

There were no anomalies associated with the analyses of these samples.

An electronic copy of this report and all associated raw data will be kept on file at ARI. Should you have any questions or concerns, please feel free to call me at your convenience.

Respectfully,

ANALYTICAL RESOURCES, INC.

Cheronne Oreiro Project Manager (206) 695-6214

cheronneo@arilabs.com

www.arilabs.com

cc: eFile XI10

Enclosures

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SAMPLE CHAIN OF CUSTODY

	SUBCONTRACTOR		Page # lof
Send Report To_Michele Costales Poquiz	Analytical Resources, Inc. (ARI)		TURNAROUND TIP
Company_Friedman & Bruya, Inc	PROJECT NAME/NO.	FO#	X Standard Turnaround
Address 3012 16th Ave. W.	310013	0.570	Rush charges authorized
City, State, ZIP_Seattle, WA 98119	REMARKS		SAMPLE DISPOSA
Phone # (206) 285-8282 Fax # (206) 283-5044	Please e-mail results		Return samples
Email Address mpoquiz@friedmanandbruya.com	ELECTRONIC DATA REQUESTED (EIM)		Samples Received at

									ANA	LYSI	SRE	ANALYSES REQUESTED	ED GB			
Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	fessiG-HTT	anilosaD-HTT	NOCs by 8260	SVOCs by 8270	HFS	Hexavalent Cr by 7196A	Total Organic M090e yd nodasO	TDS by 2540C Chloride by	SM4500		Notes
EMW- 150-100113		10/1/13	5460	water	ત								×	×		
EMW- 138-100113		_	4160										×	×		
SLR-6-100113			1120										×	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
HC-20-100113			1311										×	V		
EMW-135-100113			7510										×	×		
CMW-6-100113			0939										×	×		
EMW-100-100113			1158						L				×	×		
EMW - 541) - 100113			1100										X	×		
EMW-40-10013			084H										<u>^</u>	×		
CMW-2-100113		\rightarrow	9501	1	→								×	×		
SLR-7-100113		E1/1/01	1420	water	3								X	×		
Friedman & Bruya, Inc.		SIGNATURE	URE		PR	PRINT NAME	NAM	ञ				COM	COMPANY		DATE	TIME
3012 16th Avenue West	Relinguished by ortez Pog	Porte	-P09-	- Wi	Midnele Costales	1587	alc		Raguiz	Ý		F\$81	<u>4</u>		E1/2 01	4:30PM
Seattle, WA 98119-2029	Deceived by:				A. Volgorofon	کے ا		I ~			4	2			10/2/12	10101
Ph. (206) 285-8282	Relinquished by:	by:														_
Fax (206) 283-5044	Received by:			-	ļ											
FORMS\COC\COC SLRC.DOC																

1/2/2



Cooler Receipt Form

ARI Client: Frudman	+ Bruya		Project Name:				
COC No(s):	· •	NA	Delivered by: Fed-	Ex UP\$ Cour	ier Hand Deliv	ered Other:	POSTAIEX
Assigned ARI Job No:	XXIO		Tracking No:	_	/	•	NA NA
Preliminary Examination Phase:							
Were intact, properly signed and d	lated custody seals	attached to the	e outside of to cooler?			YES	(NO;
Were custody papers included with	-					YES	NO
Were custody papers properly fille					`	YES	NO
Temperature of Cooler(s) (°C) (red Time: ////		,		· 			
If cooler temperature is out of com	pliance fill out form	00070F			Temp Gun ID	#: <u>9087</u>	79S
Cooler Accepted by:	<u>A</u>	<u> </u>	Date: 10/3/13	Time			
	Complete custo	dy forms and	attach all shipping	documents			
.og-In Phase:							
Was a temperature blank included	l in the cooler?					YES	νώ
What kind of packing material w					Plack Danar C		
Was sufficient ice used (if appropr	-	•			NA	YES >	NO NO
	•				INA		_
Were all bottles sealed in individua						YES '	(NO)
Did all bottles arrive in good condi						XES	NO
Were all bottle labels complete an						YES	NO
Did the number of containers listed						YES	NO
Did all bottle labels and tags agree						YES	NO
Were all bottles used correct for the	ne requested analys	es?				YES .	NO
Do any of the analyses (bottles) re	equire preservation?	(attach prese	rvation sheet, excludir	ig VOCs)	AVA.	YES	NO
Were all VOC vials free of air bubb	oles?				(NA	YES	NO
Was sufficient amount of sample s	sent in each bottle?		,			YES	NO
Date VOC Trip Blank was made a	t ARI				WA		
Was Sample Split by ARI: MA	YES Date	Time:	Equipme	ent:		Split by:	
amples Logged by:	79	Date:	14-3-5	Time:		100	
	** Notify Proje	ct Manager o	f discrepancies or co	oncerns **			
Sample ID on Bottle	Sample ID or	n COC_	Sample ID on	Bottle	Sam	ole ID on CC	OC
Additional Notes Discusses	a 9 Deceludions						
Additional Notes, Discrepancies	s, a resolutions:						
•							
D							
By: Dat		S	mall → "sm" (<2 mm	1)			
Smell Air Bubbles Peabubble - 2mm 2-4 mm	I Director	Brudones	eabubbles → "pb" (2				
		<u> </u>	arge → "lg" (4 to < 6 i				
		~	eadsnace → "hs" (>6				

Sample ID Cross Reference Report



ARI Job No: XI10

Client: Friedman & Bruya Project Event: 310013 Project Name: N/A

	Sample ID	ARI Lab ID	ARI LIMS ID	Matrix	Sample Date/Time	VTSR
1.	EMW-15D-10013	XI10A	13-21343	Water	10/01/13 07:49	10/03/13 10:10
2.	EMW-3S-10013	XI10B	13-21344	Water	10/01/13 09:14	10/03/13 10:10
3.	SLR-6-1001113	XI10C	13-21345	Water	10/01/13 11:20	10/03/13 10:10
4.	HC-20-100113	XI10D	13-21346	Water	10/01/13 13:11	10/03/13 10:10
5.	EMW-13S-100113	XI10E	13-21347	Water	10/01/13 07:56	10/03/13 10:10
6.	CMW-6-100113	XI10F	13-21348	Water	10/01/13 09:39	10/03/13 10:10
.7.	EMW-10D-100113	XI10G	13-21349	Water	10/01/13 11:58	10/03/13 10:10
8.	EMW-56D-100113	XI10H	13-21350	Water	10/01/13 11:00	10/03/13 10:10
9.	EMW-4D-100113	XI10I	13-21351	Water	10/01/13 08:41	10/03/13 10:10
10.	CMW-2-100113	XI10J	13-21352	Water	10/01/13 10:56	10/03/13 10:10
11.	SLR-7-100113	XI10K	13-21353	Water	10/01/13 14:20	10/03/13 10:10



Matrix: Water

Data Release Authorized:

Reported: 10/17/13

Project: NA

Event: 310013 Date Sampled: 10/01/13

Date Received: 10/03/13

Client ID: EMW-15D-10013 ARI ID: 13-21343 XI10A

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/07/13 100713#1	SM2540C	mg/L	200	7,560
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1,000	4,220

RLAnalytical reporting limit

U Undetected at reported detection limit



Matrix: Water

Data Release Authorized

Reported: 10/17/13

Project: NA

Event: 310013
Date Sampled: 10/01/13
Date Received: 10/03/13

Client ID: EMW-38-10013 ARI ID: 13-21344 XI10B

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/07/13 100713#1	SM2540C	mg/L	200	9,580
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1,000	5,080

RLAnalytical reporting limit

Undetected at reported detection limit



Matrix: Water

Data Release Authorized:

Reported: 10/17/13

Project: NA

Event: 310013
Date Sampled: 10/01/13
Date Received: 10/03/13

Client ID: SLR-6-1001113 ARI ID: 13-21345 XI10C

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/07/13 100713#1	SM2540C	mg/L	5.0	46.0
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1.0	5.5

RL Analytical reporting limit

U Undetected at reported detection limit



Matrix: Water

Data Release Authorized: Reported: 10/17/13

Project: NA

Event: 310013
Date Sampled: 10/01/13
Date Received: 10/03/13

Client ID: HC-20-100113 ARI ID: 13-21346 XI10D

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/07/13 100713#1	SM2540C	mg/L	5.0	198
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1.0	5.7

RLAnalytical reporting limit

Undetected at reported detection limit



Matrix: Water

Data Release Authorized:

Reported: 10/17/13

Project: NA

Event: 310013
Date Sampled: 10/01/13
Date Received: 10/03/13

Client ID: EMW-13S-100113 ARI ID: 13-21347 XI10E

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/07/13 100713#1	SM2540C	mg/L	200	10,700
Chloride	10/08/13 100813#1	SM4500-CLE	mg/L	1,000	6,100

RLAnalytical reporting limit

U Undetected at reported detection limit



Matrix: Water

Data Release Authorized:

Reported: 10/17/13

Project: NA

Event: 310013
Date Sampled: 10/01/13
Date Received: 10/03/13

Client ID: CMW-6-100113 ARI ID: 13-21348 XI10F

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/07/13 100713#1	SM2540C	mg/L	200	9,640
Chloride	10/08/13 100813#1	SM4500-CLE	mg/L	1,000	5,650

RLAnalytical reporting limit

U Undetected at reported detection limit



Matrix: Water

Data Release Authorized Reported: 10/17/13

Project: NA

Event: 310013

Date Sampled: 10/01/13 Date Received: 10/03/13

Client ID: EMW-10D-100113 ARI ID: 13-21349 XI10G

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/07/13 100713#1	SM2540C	mg/L	100	4,450
Chloride	10/08/13 100813#1	SM4500-CLE	mg/L	500	2,370

RLAnalytical reporting limit

Undetected at reported detection limit



Matrix: Water

Data Release Authorized:

Reported: 10/17/13

Project: NA

Event: 310013
Date Sampled: 10/01/13

Date Received: 10/03/13

Client ID: EMW-56D-100113 ARI ID: 13-21350 XI10H

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/07/13 100713#1	SM2540C	mg/L	200	4,100
Chloride	10/08/13 100813#1	SM4500-CLE	mg/L	500	2,370

RLAnalytical reporting limit

Undetected at reported detection limit U



Matrix: Water

Data Release Authorized

Reported: 10/17/13

Project: NA

Event: 310013
Date Sampled: 10/01/13
Date Received: 10/03/13

Client ID: EMW-4D-100113 ARI ID: 13-21351 XI10I

Analyte	Date Batch	Method	Units	RL_	Sample
Total Dissolved Solids	10/07/13 100713#1	SM2540C	mg/L	200	6,300
Chloride	10/08/13 100813#1	SM4500-CLE	mg/L	1,000	3,760

Analytical reporting limit RL

U Undetected at reported detection limit



Matrix: Water

Data Release Authorized

Reported: 10/17/13

Project: NA

Event: 310013
Date Sampled: 10/01/13
Date Received: 10/03/13

Client ID: CMW-2-100113 ARI ID: 13-21352 XI10J

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/07/13 100713#1	SM2540C	mg/L	50:0	3,220
Chloride	10/08/13 100813#1	SM4500-CLE	mg/L	500	1,630

RLAnalytical reporting limit

U Undetected at reported detection limit



Matrix: Water

Data Release Authorized

Reported: 10/17/13

Project: NA

Event: 310013

Date Sampled: 10/01/13
Date Received: 10/03/13

Client ID: SLR-7-100113 ARI ID: 13-21353 XI10K

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/07/13 100713#1	SM2540C	mg/L ~	5.0	244
Chloride	10/08/13 100813#1	SM4500-CLE	mg/L	1.0	6.1

RL Analytical reporting limit

U Undetected at reported detection limit

LAB CONTROL RESULTS-CONVENTIONALS XI10-Friedman & Bruya



Matrix: Water

Data Release Authorized: Reported: 10/17/13

Project: NA

Event: 310013

Date Sampled: NA Date Received: NA

Analyte/Method	QC ID	Date	Units	LCS	Spike Added	Recovery
Total Dissolved Solids SM2540C	ICAT	10/07/13	mg/L	485	500	97.0%

METHOD BLANK RESULTS-CONVENTIONALS XI10-Friedman & Bruya



Matrix: Water

Data Release Authorized: Reported: 10/17/13

Project: NA

Event: 310013

Date Sampled: NA Date Received: NA

Analyte	Method	Date	Units	Blank	ID
Total Dissolved Solids	SM2540C	10/07/13	mg/L	< 5.0 U	
Chloride	SM4500-CLE	10/04/13 10/08/13	mg/L	< 1.0 U < 1.0 U	FB FB

FΒ Filtration Blank

STANDARD REFERENCE RESULTS-CONVENTIONALS XI10-Friedman & Bruya



Matrix: Water

Data Release Authorized: Reported: 10/17/13

Project: NA

Event: 310013
Date Sampled: NA Date Received: NA

Analyte/SRM ID	Method	Date	Units	SRM	True Value	Recovery
Chloride ERA #411010	SM4500-CLE	10/04/13 10/08/13	mg/L	5.0 4.9	5.0 5.0	100.0% 98.0%

18804 Northcreek Parkway Bothell, WA, 98011 Tel: (425) 483-3300 Fax: (425) 483-9818 www.appliedspeciation.com

November 5, 2013

Michele Poquiz Friedman & Bruya, Inc. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282

Project Name: 310013

Ms Poquiz,

Attached is the report associated with eleven (11) aqueous samples submitted for dissolved arsenic, copper, and selenium analyses on October 16, 2013. All samples were received on the same day, October 16, 2013, in a sealed cooler at 4.2°C. Dissolved metals analyses were performed via inductively coupled plasma dynamic reaction cell mass spectrometry (ICP-DRC-MS). Any analytical issues associated with the analyses are addressed in the following report.

If you have any questions, please feel free to contact me at your convenience.

Sincerely,

Jeremy Maute Project Coordinator

Applied Speciation and Consulting, LLC

Applied Speciation and Consulting, LLC

Report prepared for:

Michele Poquiz Friedman & Bruya, Inc. 3012 16th Avenue West Seattle, WA 98119-2029

Project Name: 310013

November 5, 2013

1. Sample Reception

Eleven (11) aqueous samples were submitted for dissolved arsenic, copper, and selenium analyses on October 16, 2013. All samples were received in acceptable condition on the same day, October 16, 2013, in a sealed container at 4.2°C.

The samples submitted for dissolved metals analyses were filtered and preserved prior to reception at Applied Speciation and Consulting. The pH values of the samples were checked upon sample reception to confirm the adequacy of sample preservation.

The samples were received in a laminar flow clean hood void of trace metals contamination and ultra-violet radiation. The samples were stored in a secure enclosed container, known to be free from trace metals contamination, until the digestion and analysis could be performed.

The sample ID listed on the container for the client sample EMW-3S-10013 did not match the sample ID provided on the accompanying chain-of-custody (COC) form. The sample container read EMW-3S-10113. All other descriptive parameters on the sample container agreed with those provided on the associated COC.

The date suffix for the client sample EMW-10D-100113 was missing from the sample ID on the sample container. All other descriptive parameters on the sample container agreed with those provided on the associated COC.

The sample container/COC form agreement issues described above were documented on the associated COC forms by sample reception staff at Applied Speciation and Consulting. In each case the sample was logged into the system under the sample ID/descriptive parameter provided on the COC.

2. Sample Preparation

All sample preparation is performed in laminar flow clean hoods known to be free from trace metals contamination. All applied water for dilutions and sample preservatives are monitored for contamination to account for any biases associated with the sample results.

<u>Dissolved As, Cu, and Se Analysis by ICP-DRC-MS</u> The samples submitted for dissolved metals analyses were filtered and preserved prior to reception at Applied Speciation and Consulting. All preserved samples were digested in accordance with EPA Method 200.8 on October 18, 2013. The samples were digested in two batches, TM1 and TM2. All sample digests were then analyzed via inductively coupled plasma dynamic reaction cell mass spectrometry (ICP-DRC-MS).

3. Sample Analysis

All sample analysis is precluded by a minimum of a five-point calibration curve spanning the entire concentration range of interest. Calibration curves are performed at the beginning of each analytical day. All calibration curves, associated with each species of interest, are standardized by linear regression resulting in a response factor. All sample results are **instrument blank corrected** to account for any operational biases associated with the analytical platform.

Prior to sample analysis, all calibration curves are verified using second source standards which are identified as initial calibration verification standards (ICV).

Ongoing instrument performance is identified by the analysis of continuing calibration verification standards (CCV) and continuing calibration blanks (CCB) at a minimum interval of every ten analytical runs.

Dissolved As, Cu, and Se Analysis by ICP-DRC-MS All sample digests for batch TM1 dissolved arsenic, copper, and selenium analysis were analyzed by inductively coupled plasma dynamic reaction cell mass spectrometry (ICP-DRC-MS) on October 22, 2013. All sample digests associated with batch TM2 were analyzed on November 1, 2013, using the same analytical platform. Aliquots of each sample are introduced into a radio frequency (RF) plasma where energy-transfer processes cause desolvation, atomization, and ionization. The ions are extracted from the plasma through a differentially-pumped vacuum interface and travel through a pressurized chamber (DRC) containing a specific reactive gas which preferentially reacts with interfering ions of the same target mass to charge ratios (m/z). A solid-state detector detects ions transmitted through the mass analyzer, on the basis of their mass-to-charge ratio (m/z), and the resulting current is processed by a data handling system.

4. Analytical Issues

The overall analyses went well and no significant analytical issues were encountered. All quality control parameters associated with these samples were within acceptance limits.

The estimated method detection limits (eMDL) for dissolved metals have been calculated using the standard deviation of the preparation blanks preserved and analyzed concurrently with the submitted samples.

If you have any questions or concerns regarding this report, please feel free to contact me.

Sincerely,

Jeremy Maute

Project Coordinator

Applied Speciation and Consulting, LLC

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

10/1/2013 Date Sampled:

Date Received: 10/16/2013

Client Sample ID EMW-15D-100113

Laboratory Sample ID EMW-15D-100113 Diss

				Simodel Signature	
	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As EPA 200.8 TM1	TM1	5	0.018	0.20	1.02
Diss Cu EPA 200.8 TM1	TM1	5	0.060	0.20	0.410
Diss Se EPA 200.8 TM1	TM1	2	0.039	0.20	0.092 J

All results are reported in $\mu g/L$ and reflect the applied dilution J=Sample concentration is between the eMDL and the RL

Report Generated by: Jeremy Maute Date: November 5, 2013

Applied Speciation and Consulting, LLC

10/1/2013

Date Sampled:

Date Received: 10/16/2013

Client Sample ID EMW-3S-10013 Laboratory Sample ID EMW-35-100113 Diss

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM1	5	0.018	0.20	0.955
Diss Cu	EPA 200.8	TM1	5	090.0	0.20	0.610
Diss Se	EPA 200.8	TM1	2	0.039	0.20	0.047 J

All results are reported in $\mu g/L$ and reflect the applied dilution J=Sample concentration is between the eMDL and the RL

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

10/1/2013 Date Sampled: Client Sample ID SLR-6-100113

Date Received: 10/16/2013

Laboratory Sample ID SLR-6-100113 Diss

					Reporting	
Analyte Met	Nethod	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As EPA	۸ 200.8	TM1	5	0.018	0.20	0.499
Diss Cu EPA	EPA 200.8	TM1	Ŋ	0.060	0.20	2.85
Diss Se EPA	EPA 200.8	TM1	5	0.039	0.20	< 0.039 U

All results are reported in $\mu g/L$ and reflect the applied dilution U = Sample concentration is below the eMDL

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

10/1/2013

Date Sampled:

Date Received: 10/16/2013

Client Sample ID HC-20-100113 Laboratory Sample ID HC-20-100113 Diss

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM1	5	0.018	0.20	19.7
Diss Cu	EPA 200.8	TM1	2	090.0	0.20	0.415
Diss Se	EPA 200.8	TM1	2	0.039	0.20	0.090 J
A 11	A H	17 - 12 1 - 1 - 11 - 1 - 1 - 1 - 1 - 1 - 1	the state of the s			

All results are reported in µg/L and reflect the applied dilution J = Sample concentration is between the eMDL and the RL

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Date Sampled: 10/1/2013

Client Sample ID EMW-13S-100113

Date Received: 10/16/2013

Laboratory Sample ID EMW-13S-100113 Diss

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM1	5	0.018	0.20	283
Diss Cu	EPA 200.8	TM1	2	0.060	0.20	3.79
Diss Se	EPA 200.8	TM1	2	0.039	0.20	0.123 J
0. 0.0 0tho.	All many life and many many all many many many many the and the and life of all the many many many many many many many many	1 [] [] [] [] [] [] [] [] []	4	The second secon		

All results are reported in µg/L and reflect the applied dilution

J = Sample concentration is between the eMDL and the RL

Applied Speciation and Consulting, LLC Report Generated by: Jeremy Maute Date: November 5, 2013

Date Received: 10/16/2013

10/1/2013 Date Sampled: Client Sample ID CMW-6-100113 Laboratory Sample ID CMW-6-100113 Diss

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM1	5	0.018	0.20	57.7
Diss Cu	EPA 200.8	TM1	5	090'0	0.20	12.9
Diss Se	EPA 200.8	TM1	2	0.039	0.20	0.218

All results are reported in $\mu g/L$ and reflect the applied dilution J=Sample concentration is between the eMDL and the RL

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

10/1/2013 Date Sampled:

Date Received: 10/16/2013

Client Sample ID EMW-10D-100113

EMW-10D-100113 Diss Laboratory Sample ID

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM1	5	0.018	0.20	0.520
Diss Cu	EPA 200.8	TM1	2	0.060	0.20	0.442
Diss Se	EPA 200.8	TM1	5	0.039	0.20	0.122 J
					tons and a second secon	transmitted on their property of the community of the com

All results are reported in µg/L and reflect the applied dilution J = Sample concentration is between the eMDL and the RL

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Quality Control Summary - Preparation Blank Summary

Analyte (µg/L)	Batch ID PBW-1	PBW-1	PBW-2	PBW-3	PBW-4	Mean	StdDev	eMDL*	eMDL 5x	Sample RL
Diss As	TM1	0.011	0.011	0.002	-0.001	9000	900'0	0.004	0.018	0.20
Diss Cu	TM1	0.058	0.071	0.068	0.104	0.075	0.020	0.012	0.060	0.20
Diss Se	TM1	-0.002	-0.027	0.002	-0.010	-0.009	0.013	0.008	0.039	0.20
eMDL = Estimated Method Detection Limit	ed Method Dete	ection Limit								A SA SA PA PARTIES OF THE PARTIES OF

* Please see narrative regarding eMDL calculations

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Quality Control Summary - Certified Reference Material

				- Co. 10 10 10 10 10 10 10 10 10 10 10 10 10	
Analyte (µg/L)	Batch ID	rcs	True Value	Result	Recovery
Total As	TM1	SOT	400.0	400.1	100.0
Total As	TM1	TMDA-70	40.7	42.8	105.2
Total Cu	TM1	CCS	400.0	416.8	104.2
Total Cu	TM1	TMDA-70	399	414	103.8
Total Se	TM1	SOT	400.0	404.2	101.1
Total Se	TM1	TMDA-70	25.9	25.5	98.5
The second secon		the beautiful CANANA and the second of the s	the first transform of the state of the stat	A CONTRACTOR OF THE PROPERTY O	or ellipsicologically and polyhedrone place to the control of

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Quality Control Summary - Matrix Duplicates

Analyte (µg/L)	Sample ID	Batch ID	Rep 1	Rep 2	Mean	RPD
Diss As	EMW-10D-100113	TM1	0.520	0.510	0.515	2.0
Diss Cu	EMW-10D-100113	TM1	0.442	0.451	0.447	2.1
Diss Se	EMW-10D-100113	TM1	0.122 J	0.117 J	0.119	4.7

J = Sample concentration is between the eMDL and the RL

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Quality Control Summary - Matrix Spike/ Matrix Spike Duplicate

			Spike			Spike	MSD		
Analyte (µg/L)	Sample ID	Batch ID	Conc	MS Result	Recovery	Conc	Result	Recovery	RPD
Diss As	EMW-10D-100113	TM1	400.0	414.5	103.5	400.0	430.0	107.4	3.7
Diss Cu	EMW-10D-100113	TM1	400.0	358.9	89.6	400.0	379.6	94.8	5.6
Diss Se	EMW-10D-100113	TM1	400.0	396.9	99.2	400.0	428.5	107.1	9.7

Date: November 5, 2013 Report Generated by: Jeremy Maute

Applied Speciation and Consulting, LLC

10/1/2013 Date Sampled:

Date Received: 10/16/2013

Client Sample ID EMW-56D-100113

Laboratory Sample ID EMW-56D-100113

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM2	5	0.010	0.20	0.634
Diss Cu	EPA 200.8	TM2	2	0.18	0.20	0.44
Diss Se	EPA 200.8	TM2	5	0.072	0.20	< 0.072 U

All results are reported in $\mu g/L$ and reflect the applied dilution U = Sample concentration is below the eMDL J = Sample concentration is between the eMDL and the RL

Trace Element Results for Friedman and Bruya

Contact: Michele Poquiz

Applied Speciation and Consulting, LLC Date: November 5, 2013 Report Generated by: Jeremy Maute

10/1/2013 Date Sampled:

Date Received: 10/16/2013

Client Sample ID EMW-4D-100113

Laboratory Sample ID EMW-4D-100113

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM2	5	0.010	0.20	1.36
Diss Cu	EPA 200.8	TM2	2	0.18	0.20	0.41
Diss Se	EPA 200.8	TM2	2	0.072	0.20	< 0.072 U
			the state of the state of the state of			And the state of t

All results are reported in µg/L and reflect the applied dilution

U = Sample concentration is below the eMDL J = Sample concentration is between the eMDL and the RL

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

10/1/2013 Date Sampled:

Date Received: 10/16/2013

Client Sample ID CMW-2-100113

Laboratory Sample ID CMW-2-100113

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM2	5	0.010	0.20	61.3
Diss Cu	EPA 200.8	TM2	2	0.18	0.20	1.84
Diss Se	EPA 200.8	TM2	5	0.072	0.20	0.127 J

All results are reported in $\mu g/L$ and reflect the applied dilution U = Sample concentration is below the eMDL J = Sample concentration is between the eMDL and the RL

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

10/1/2013

Date Sampled:

Date Received: 10/16/2013

Client Sample ID SLR-7-100113

Laboratory Sample ID SLR-7-100113

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM2	5	0.010	0.20	2.32
Diss Cu	EPA 200.8	TM2	5	0.18	0.20	0.74
Diss Se	EPA 200.8	TM2	2	0.072	0.20	< 0.072 U

All results are reported in $\mu g/L$ and reflect the applied dilution U = Sample concentration is below the eMDL J = Sample concentration is between the eMDL and the RL

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Quality Control Summary - Preparation Blank Summary

Analyte (µg/L)	Batch ID PBW-1	PBW-1	PBW-2	PBW-3	PBW-4	Mean	StdDev	eMDL*	eMDL 5x	Sample RL
Diss As	TM2	0.013	0.012	0.011	0.005	0.010	0.003	0.002	0.010	0.20
Diss Cu	TM2	0.02	0.12	0.00	-0.02	0.03	90.0	0.04	0.18	0.20
Diss Se	TM2	-0.058	-0.042	-0.025	-0.002	-0.032	0.024	0.014	0.072	0.20
					A CONTRACTOR OF THE CONTRACTOR		The second selection of the second	And the second s	the state of the control of the state of the	

eMDL = Estimated Method Detection Limit

* Please see narrative regarding eMDL calculations

Trace Element Results for Friedman and Bruya Contact: Michele Poquiz

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Quality Control Summary - Certified Reference Material

Analyte (µg/L)	Batch ID	SOT	True Value	Result	Recovery
Total As	TM2	CCS	400.0	370.3	92.6
Total As	TM2	TMDA-70	40.7	38.7	95.0
Total Cu	TM2	CCS	400.0	395.4	98.9
Total Cu	TM2	TMDA-70	399	388	97.3
Total Se	TM2	SOT	400.0	375.7	93.9
Total Se	TM2	TMDA-70	25.9	23.6	91.0

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Quality Control Summary - Matrix Duplicates

Analyte (µg/L)	Sample ID	Batch ID	Rep 1	Rep 2	Mean	RPD
Diss As	Batch QC	TM2	5.444	5.524	5.484	1.5
Diss Cu	Batch QC	TM2	0.33	0.29	0.31	12.4
Diss Se	Batch QC	TM2	< 0.072 U	< 0.072 U	SC	SC
						Winners Comments

NC = Not calculated due to one or more values below the eMDL

U = Sample concentration is below the eMDL

J = Sample concentration is between the eMDL and the RL

Trace Element Results for Friedman and Bruya Contact: Michele Poquiz

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Quality Control Summary - Matrix Spike/ Matrix Spike Duplicate

			Spike			Spike	MSD		
Analyte (µg/L)	Sample ID	Batch ID	Conc	MS Result	Recovery	Conc	Result	Recovery	RPD
Diss As	Batch QC	TM2	400.0	375.7	92.6	400.0	431.3	106.4	13.8
Diss Cu	Batch QC	TM2	400.0	353.3	88.2	400.0	410.6	102.6	15.0
Diss Se	Batch QC	TM2	400.0	371.4	92.8	400.0	424.3	106.1	13.3

SAMPLE CHAIN OF CUSTODY

pg 2 of 4

TURNAROUND TIME Rush charges authorized by: ☐ Will call with instructions SAMPLE DISPOSAL of X Standard Turnaround X Dispose after 30 days Samples Received at __ _ Return samples Page # Analytical Resources, Inc. (ARI) Applied Speciation 5-595 ELECTRONIC DATA REQUESTED (EIM) // ~ 10/113 PO# SUBCONTRACTOR / 10 10/16/13 Please e-mail results PROJECT NAME/NO. 310013 REMARKS Fax #__(206) 283-5044 Email Address mpoquiz@friedmanandbruya.com Send Report To__Michele Costales Poquiz Seattle, WA 98119 Company_Friedman & Bruya, Inc. 3012 16th Ave. W. Phone #__(206) 285-8282__

City, State, ZIP_

Address

									AN	ALY	SES RE	ANALYSES REQUESTED	ED				
Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	I _{929i} G-HqT	TPH-Gasoline	BLEX PY 8021B	VOCs by 8260	SAOCs by 8270	Hexavalent Cr by 7196A	Total Organic M0809 vd nodraO	TDS by 2540C	Chloride by SM4500 Dissolved As,	24-080-M2		Notes
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SLR-6-100113			1120											×		Se	o.SS4 ppb
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EMW-13S-100113			0756	***********										^	×		
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Friedman & Bruya, Inc.		SIGNATURE	URE		PR	PRINT NAME	NAM	Œ				CON	COMPANY	X	D	DATE	TIME
3012 16th Avenue West	Relinquished by ortugal	Portug	Pari	W	Middle Costales Poquiz	450	4	<u>ب</u>	Š,	112		ũ	F481		01	(16/13	10/16/13 10:35 AM
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Saynple 10 reads "EMW-3S-10113" upon receipt Suffix "100113" is missing from bottles sample 10 but prefix and time are present upon receipt

009

4.2°C 10/10/13

Jacki Povo

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Received by

Seattle, WA 98119-2029

Relinquished by:

Received by:

Fax (206) 283-5044 Ph. (206) 285-8282

310013	SAMPLE CHAIN OF CUSTODY	X 7 10/01/13	1113 BEY/M/ABS
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City, State, ZIP Bathall, WA, 98021	REMARKS NWTPH-DX for DRO+ HO after 5:11.CL	nd chance	SAMPLE DISPOSAL □ Dispose after 30 days
Phone #425-462-8800 Fax # 425-462-8488	Please submit sample for ICP-DAC-MS as soon &	5 CS 2000 20	☐ Return samples ☐ Will call with instructions

Veadded per Mike staten / 10 11/1/13	/ vapa	E1/71/11 0V				Ĺ			AN	LYS	ES RE	ANALYSES REQUESTED	TED		<u>Marine</u>		e 1	Ni .
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3012 16th Avenue West	Relingui	Relinquished by: IA M	2	<u> </u>	Amanda Meuring	\leq	3	5	1			SICR			B	1/13	11/13 15rg	0

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Amanda Meuzinst

Relinquished by:

Received

Seattle, WA 98119-2029

Received by:

Fax (206) 283-5044 Ph. (206) 285-8282

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Samples received at

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KJ 10/01/13 BZy/44/ ADS TURNAROUND TIME ☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions Rush charges authorized by SAMPLE DISPOSAI ScStandard (2 Weeks)
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8th Ave terminaly Inc 5:te
Cowley
101.00205.00030 SAMPLERS (signature) REMARKS Phone # 425-402 -9900 Fax # 425-402-8488 Address 22118 20th Avy 58, 6202 Company SLR International Carp City, State, ZIP Bothell (WA, 9802) Send Report To Mike Staton 310013

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Friedman & Bruya, Inc. 3012 16th Avenue West Seattle, WA 98119-2029 Ph. (206) 285-8282 Fax (206) 283-5044

FORMS/COC/COC.DOC

TIME DATE C 3 0 Q Samples esceived at COMPANY 1-6B Mengaior PRINT NAME Amanda NNAN SIGNATURE Relinguished by: Relinquished by: Received by: Received by:

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Kurt Johnson, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

November 6, 2013

Mike Staton SLR International Corp. 22118 20th Ave. SE., G-202 Bothell, WA 98021

Dear Mr. Staton:

Included are the results from the testing of material submitted on October 2, 2013 from the 8^{th} Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310050 project. There are 81 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

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Michele Costales Poquiz

Chemist

Enclosures SLR1106R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 2, 2013 by Friedman & Bruya, Inc. from the SLR International Corp. 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310050 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SLR International Corp.
310050-01	EMW-16D-100213
310050-02	EMW-6S-100213
310050-03	EMW-7S-100213
310050-04	CMW-1-100213
310050-05	SLR-2-100213
310050-06	DMW-6-100213
310050-07	CMW-7-100213
310050-08	EMW-5S-100213
310050-09	TB-100213

<u>Total Petroleum Hydrocarbons as Gasoline by Method NWTPH-Gx</u> All quality control requirements were acceptable.

<u>Total Petroleum Hydrocarbons as Diesel and Motor Oil by Method NWTPH-Dx with Silica Gel</u>

The percent recovery for the surrogate exceeded acceptance criteria for the sample SLR-2-100213. The sample was non-detect, therefore the results are valid.

Volatile Compounds by EPA Method 8260C

The presence of methylene chloride in the sample EMW-6S-100213 is likely due to laboratory contamination. The result has been flagged accordingly.

The trip blank sample was received with incorrect preservation for the 8260 analysis of vinyl chloride. The result should be considered an estimate.

The percent recovery for the matrix spike (MS), matrix spike duplicate (MSD), laboratory control sample (LCS), and laboratory control sample duplicate (LCSD) failed high for bromomethane. This analyte was not identified in the samples, therefore the results are valid.

Semivolatile Organic Compounds by EPA Method 8270D

The presence of bis(2-ethylhexyl) phthalate in the samples and the method blank is likely due to laboratory contamination. The results have been flagged accordingly.

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The calibration result for bis(2-ethylhexyl) phthalate fell outside of acceptance criteria for the samples EMW-6S-100213, SLR-2-100213, DMW-6-100213, CMW-7-100213, and EMW-5S-100213. The values reported are estimates.

Semivolatile Organic Compounds by EPA Method 8270D SIM

The sample DMW-6-100213 was diluted due to matrix interferences. The reporting limits have been raised accordingly.

A surrogate recovery failed high for the method blank. The sample was non-detect, therefore the results are valid.

<u>Polychlorinated Biphenyls as Aroclor 1016/1260 by EPA Method 8082A</u> All quality control requirements were acceptable.

Total Metals by EPA Method 200.8

Compounds in the sample matrix interfered with the quantitation of arsenic and selenium. The results have been flagged accordingly.

The reporting limit for arsenic was raised due to potential low level laboratory contamination.

The internal standard associated with several analytes exceeded acceptance criteria for the samples EMW-16D-100213 and CMW-1-100213. The samples were diluted and reanalyzed. The results for the full strength and the dilution analyses are included.

The percent recovery for the MS and/or MSD exceeded acceptance criteria for beryllium, silver and cadmium. In addition, the RPD for the MS/MSD exceeded acceptance criteria for cadmium. The results have been flagged accordingly.

Dissolved Metals by EPA Method 200.8

Arsenic, selenium and copper were not reported. Please see the report issued by Applied Speciation and Consulting (ASC) for results for these analytes.

The internal standard associated with several analytes exceeded acceptance criteria for the samples EMW-16D-100213 and CMW-1-100213. The samples were diluted and reanalyzed. The results for the full strength and the dilution analyses are included.

Total Mercury by EPA Method 1631E

The reporting limit was raised due to potential low level laboratory contamination.

Dissolved Mercury by EPA Method 1631E

The reporting limit was raised due to potential low level laboratory contamination.

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Total Suspended Solids by Method 2540D

All quality control requirements were acceptable.

Total Dissolved Solids by Method 2540C

The samples were sent to Analytical Resources, Inc. (ARI) for analysis. The report generated by ARI is enclosed.

Chloride by Method SM4500

The samples were sent to ARI for analysis. The report generated by ARI is enclosed.

Dissolved Metals by ICP-DRC-MS

The samples were sent to Applied Speciation and Consulting (ASC) for analysis. The report generated by ASC is enclosed.

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Date of Report: 11/06/13 Date Received: 10/02/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310050

Date Extracted: 10/08/13 Date Analyzed: 10/08/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Gasoline Range	Surrogate (<u>% Recovery)</u> (Limit 51-134)
EMW-16D-100213 310050-01	<12	77
EMW-6S-100213 310050-02	<12	79
EMW-7S-100213 310050-03	<12	76
CMW-1-100213 310050-04	<12	77
SLR-2-100213 310050-05	<12	77
DMW-6-100213 310050-06	<12	76
CMW-7-100213 310050-07	<12	77
EMW-5S-100213 310050-08	<12	77
Method Blank 03-1962 MB	<12	77

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/02/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310050

Date Extracted: 10/07/13 Date Analyzed: 10/11/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx Sample Extracts Passed Through a Silica Gel Column Prior to Analysis

Results Reported as ug/L (ppb)

<u>Diesel Range</u> (C ₁₀ -C ₂₅)	Motor Oil Range (C ₂₅ -C ₃₆)	Surrogate (% Recovery) (Limit 51-134)
<6.9	<52	97
<6.9	<52	102
<6.9	<52	104
<6.9	<52	89
<6.9	<52	193 vo
<6.9	<52	96
<6.9	<52	96
<6.9	<52	105
<6.9	<52	94
	(C ₁₀ -C ₂₅) <6.9 <6.9 <6.9 <6.9 <6.9 <6.9 <6.9	$(C_{10}$ - $C_{25})$ $(C_{25}$ - $C_{36})$ <6.9 <52 <6.9 <52 <6.9 <52 <6.9 <52 <6.9 <52 <6.9 <52 <6.9 <52 <6.9 <52 <6.9 <52

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Analysis For Volatile Compounds By EPA Method 8260C

Client:	SLR International Corp.
Project:	101.00205.00030, F&BI 310050
Lab ID:	310050-01
Data File:	100745.D
Instrument:	GCMS9
Operator:	JS
	Project: Lab ID: Data File: Instrument:

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	102	50	150

Commencedor	Concentration	Companyedor	Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	< 2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

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Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	EMW-6S-100213	Client:	SLR International Corp.
Date Received:	10/02/13	Project:	101.00205.00030, F&BI 310050
Date Extracted:	10/07/13	Lab ID:	310050-02
Date Analyzed:	10/08/13	Data File:	100746.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	∪pper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	100	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	13 lc	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	6.8 lc	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

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Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	EMW-7S-100213	Client:	SLR International Corp.
Date Received:	10/02/13	Project:	101.00205.00030, F&BI 310050
Date Extracted:	10/07/13	Lab ID:	310050-03
Date Analyzed:	10/08/13	Data File:	100747.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	<0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

 Client Sample ID:
 CMW-1-100213
 Client:
 SLR International Corp.

 Date Received:
 10/02/13
 Project:
 101.00205.00030, F&BI 310050

 Date Extracted:
 10/07/13
 Lab ID:
 310050-04

Date Extracted. 10/07/15 Eab 1D. \$10030-04

Date Analyzed: 10/08/13 Data File: 100748.D

Matrix: Water Instrument: GCMS9

Units: ug/L (ppb) Operator: JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	0.18	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

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Client Sample ID:	SLR-2-100213	Client:	SLR International Corp.
Date Received:	10/02/13	Project:	101.00205.00030, F&BI 310050
Date Extracted:	10/07/13	Lab ID:	310050-05
Date Analyzed:	10/08/13	Data File:	100749.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	< 2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	< 0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

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Analysis For Volatile Compounds By EPA Method 8260C

 Client Sample ID:
 DMW-6-100213
 Client:
 SLR International Corp.

 Date Received:
 10/02/13
 Project:
 101.00205.00030, F&BI 310050

 Date Extracted:
 10/07/13
 Lab ID:
 310050-06

Date Extracted: 10/07/13 Lab ID: 310050-06
Date Analyzed: 10/08/13 Data File: 100750.D
Matrix: Water Instrument: GCMS9
Units: ug/L (ppb) Operator: JS

		Lower	∪pper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	101	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

CMW-7-100213 Client Sample ID: Client: SLR International Corp. Date Received: Project: 101.00205.00030, F&BI 310050 10/02/13 10/07/13 Lab ID: 310050-07 Date Extracted: Date Analyzed: 10/08/13 Data File: 100751.D Instrument: GCMS9 Matrix: Water Units: Operator: JS ug/L (ppb)

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	102	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-5S-100213	Client:	SLR International Corp.
Date Received:	10/02/13	Project:	101.00205.00030, F&BI 310050
Date Extracted:	10/07/13	Lab ID:	310050-08
Date Analyzed:	10/08/13	Data File:	100752.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	103	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<0.16	1,3-Dichloropropane	<0.2
Chloromethane	<0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	<0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	0.25	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	TB-100213	Client:	SLR International Corp.
Date Received:	10/02/13	Project:	101.00205.00030, F&BI 310050
Date Extracted:	10/07/13	Lab ID:	310050-09
Date Analyzed:	10/08/13	Data File:	100744.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	<0.13 pr	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: Method Blank Client: SLR International Corp. Date Received: Project: 101.00205.00030, F&BI 310050 N/A Date Extracted: 10/07/13 Lab ID: 03-1992 mb Date Analyzed: 10/07/13 Data File: 100726.D Instrument: GCMS9 Matrix: Water Units: Operator: ug/L (ppb) JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	99	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-16D-100213	Client:	SLR International Corp.
Date Received:	10/02/13	Project:	101.00205.00030, F&BI 310050
Date Extracted:	10/07/13	Lab ID:	310050-01
Date Analyzed:	10/09/13	Data File:	100910.D
Matrix:	Water	Instrument:	GCMS8
Units:	ug/L (ppb)	Operator:	VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	49	32	162
Phenol-d6	30	10	170
Nitrobenzene-d5	90	50	150
2-Fluorobiphenyl	89	43	158
2,4,6-Tribromophenol	86	43	146
Terphenyl-d14	106	39	168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.19 fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-6S-100213	Client:	SLR International Corp.
Date Received:	10/02/13	Project:	101.00205.00030, F&BI 310050
Date Extracted:	10/07/13	Lab ID:	310050-02
Date Analyzed:	10/08/13	Data File:	100813.D
Matrix:	Water	Instrument:	GCMS8
Units:	ug/L (ppb)	Operator:	VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	44	32	162
Phenol-d6	25	10	170
Nitrobenzene-d5	81	50	150
2-Fluorobiphenyl	87	43	158
2,4,6-Tribromophenol	116	43	146
Terphenyl-d14	132	39	168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.19 fb ca
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-7S-100213	Client:	SLR International Corp.
Date Received:	10/02/13	Project:	101.00205.00030, F&BI 310050
Date Extracted:	10/07/13	Lab ID:	310050-03
Date Analyzed:	10/09/13	Data File:	100911.D
Matrix:	Water	Instrument:	GCMS8
Units:	ug/L (ppb)	Operator:	VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	50	32	162
Phenol-d6	34	10	170
Nitrobenzene-d5	95	50	150
2-Fluorobiphenyl	90	43	158
2,4,6-Tribromophenol	118	43	146
Terphenyl-d14	95	39	168

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	< 2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.24 fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	CMW-1-100213	Client:	SLR International Corp.
Date Received:	10/02/13	Project:	101.00205.00030, F&BI 310050
Date Extracted:	10/07/13	Lab ID:	310050-04
Date Analyzed:	10/09/13	Data File:	100912.D
Matrix:	Water	Instrument:	GCMS8
Units:	ug/L (ppb)	Operator:	VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	52	32	162
Phenol-d6	26	10	170
Nitrobenzene-d5	84	50	150
2-Fluorobiphenyl	85	43	158
2,4,6-Tribromophenol	89	43	146
Terphenyl-d14	98	39	168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.41 fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	SLR-2-100213	Client:	SLR International Corp.
Date Received:	10/02/13	Project:	101.00205.00030, F&BI 310050
Date Extracted:	10/07/13	Lab ID:	310050-05
Date Analyzed:	10/08/13	Data File:	100816.D
Matrix:	Water	Instrument:	GCMS8
Units:	ug/L (ppb)	Operator:	VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	42	32	162
Phenol-d6	22	10	170
Nitrobenzene-d5	87	50	150
2-Fluorobiphenyl	91	43	158
2,4,6-Tribromophenol	103	43	146
Terphenyl-d14	103	39	168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	0.14
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.23 fb ca
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	DMW-6-100213 10/02/13 10/07/13 10/08/13 Water ug/L (ppb)	Pi La D Ir	lient: roject: ab ID: ata File: nstrument: perator:	SLR International Corp. 101.00205.00030, F&BI 310050 310050-06 100817.D GCMS8 VM
Surrogates: 2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromopher Terphenyl-d14	ol 1	covery: 46 30 37 37 08 95	Lower Limit: 32 10 50 43 43 39	Upper Limit: 162 170 150 158 146

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol		Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.23 fb ca
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	CMW-7-100213	Client:	SLR International Corp.
Date Received:	10/02/13	Project:	101.00205.00030, F&BI 310050
Date Extracted:	10/07/13	Lab ID:	310050-07
Date Analyzed:	10/08/13	Data File:	100818.D
Matrix:	Water	Instrument:	GCMS8
Units:	ug/L (ppb)	Operator:	VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	46	32	162
Phenol-d6	28	10	170
Nitrobenzene-d5	90	50	150
2-Fluorobiphenyl	95	43	158
2,4,6-Tribromophenol	105	43	146
Terphenyl-d14	102	39	168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	< 2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.21 fb ca
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	EMW-5S-100213	Client:	SLR International Corp.
	10/02/13	Project:	101.00205.00030, F&BI 310050
	10/07/13	Lab ID:	310050-08
	10/08/13	Data File:	100819.D
	Water	Instrument:	GCMS8
	ug/L (ppb)	Operator:	VM
Surrogates: 2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromophen Terphenyl-d14	% Recovery 53 31 96 99 ol 128 125	Lower 2: Limit: 32 10 50 43 43 39	Upper Limit: 162 170 150 158 146 168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.19 fb ca
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	Method Blank	Client:	SLR International Corp.
Date Received:	N/A	Project:	101.00205.00030, F&BI 310050
Date Extracted:	10/07/13	Lab ID:	03-1985 mb
Date Analyzed:	10/09/13	Data File:	100909.D
Matrix:	Water	Instrument:	GCMS8
Units:	ug/L (ppb)	Operator:	VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	49	32	162
Phenol-d6	30	10	170
Nitrobenzene-d5	97	50	150
2-Fluorobiphenyl	96	43	158
2,4,6-Tribromophenol	113	43	146
Terphenyl-d14	120	39	168

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Compounds.	ug/i (ppb)	Compounds.	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.22 lc
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-16D-100213	Client:	SLR International Corp.
Date Received:	10/02/13	Project:	101.00205.00030, F&BI 310050
Date Extracted:	10/07/13	Lab ID:	310050-01
Date Analyzed:	10/08/13	Data File:	100812.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	91	50	150
Benzo(a)anthracene-d12	101	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	0.0042
Acenaphthylene	< 0.0024
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	< 0.0028
Fluoranthene	< 0.0046
Pyrene	< 0.0036
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Client:

Project: Lab ID:

Data File:

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	EMW-6S-100213
Date Received:	10/02/13
Date Extracted:	10/07/13
Date Analyzed:	10/08/13
Matrix:	Water
Units:	ug/L (ppb)

Instrument: Operator:	GCMS6 VM	
Lower Limit: 50 50		Upper Limit: 150 129

310050-02

100813.D

SLR International Corp. 101.00205.00030, F&BI 310050

Surrogates: Anthracene-d10 Benzo(a)anthracene-d12	% Recovery: 111 120
Compounds:	Concentration ug/L (ppb)
Naphthalene	0.0058
Acenaphthylene	< 0.0024
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	< 0.0028
Fluoranthene	< 0.0046
Pyrene	< 0.0036
Ponz(o)onthrocono	-0.0042

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-7S-100213
Date Received:	10/02/13
Date Extracted:	10/07/13
Date Analyzed:	10/08/13
Matrix:	Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project:	101.00205.00030, F&BI 310050
Lab ID:	310050-03
Data File:	100814.D
Instrument:	GCMS6
Operator:	VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	60	50	150
Benzo(a)anthracene-d12	64	50	129

	Concentration
Compounds:	ug/L (ppb)
Naphthalene	< 0.004
Acenaphthylene	< 0.0024
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	< 0.0028
Fluoranthene	< 0.0046
Pyrene	< 0.0036
Benz(a)anthracene	< 0.0042
Chrysene	0.016
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Client:

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: CMW-1-100213
Date Received: 10/02/13
Date Extracted: 10/07/13
Date Analyzed: 10/08/13
Matrix: Water
Units: ug/L (ppb)

 Project:
 101.00205.00030, F&BI 310050

 Lab ID:
 310050-04

 Data File:
 100815.D

 Instrument:
 GCMS6

 Operator:
 VM

Surrogates: % Recovery: Anthracene-d10 52 Benzo(a)anthracene-d12 51
 Lower
 Upper

 Limit:
 Limit:

 50
 150

 50
 129

SLR International Corp.

	Concentration
Compounds:	ug/L (ppb)
Naphthalene	< 0.004
Acenaphthylene	< 0.0024
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	< 0.0028
Fluoranthene	< 0.0046
Pyrene	< 0.0036
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: SLR-2-100213
Date Received: 10/02/13
Date Extracted: 10/07/13
Date Analyzed: 10/08/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: 101.00205.00030, F&BI 310050
Lab ID: 310050-05
Data File: 100816.D
Instrument: GCMS6
Operator: VM

	Lower	Upper
% Recovery:	Limit:	Limit:
104	50	150
108	50	129
	104	% Recovery: Limit: 104 50

Compounds:	Concentration ug/L (ppb)
Naphthalene	< 0.004
Acenaphthylene	< 0.0024
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	< 0.0028
Fluoranthene	< 0.0046
Pyrene	< 0.0036
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: DMW-6-100213 Client: SLR International Corp.

Date Received: 10/02/13 Project: 101.00205.00030, F&BI 310050

Lab ID: 10/07/13 310050-06 Date Extracted: Date Analyzed: 10/08/13 Data File: 100817.D Water Instrument: GCMS6 Matrix: Units: ug/L (ppb) Operator: VM

Lower Upper Surrogates: % Recovery: Limit: Limit: Anthracene-d10 123 50 150 Benzo(a)anthracene-d12 135 ip 50 129

Concentration Compounds: ug/L (ppb) Naphthalene 0.067 < 0.0024 Acenaphthylene Acenaphthene 2.8 ve Fluorene 0.0042 Phenanthrene 0.019 0.012 Anthracene 0.012 Fluoranthene 0.0083 Pyrene Benz(a)anthracene < 0.0042 Chrysene < 0.0038 Benzo(a)pyrene < 0.0078 Benzo(b)fluoranthene < 0.0052 Benzo(k)fluoranthene < 0.0076 Indeno(1,2,3-cd)pyrene < 0.007 Dibenz(a,h)anthracene < 0.004 Benzo(g,h,i)perylene < 0.0044

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: DMW-6-100213
Date Received: 10/02/13
Date Extracted: 10/07/13
Date Analyzed: 10/09/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: 101.00205.00030, F&BI 310050
Lab ID: 310050-06 1/10
Data File: 100912.D
Instrument: GCMS6
Operator: VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	228 ds $^{\circ}$	50	150
Benzo(a)anthracene-d12	138 ds	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	0.066
Acenaphthylene	< 0.024
Acenaphthene	3.1
Fluorene	< 0.04
Phenanthrene	< 0.066
Anthracene	< 0.028
Fluoranthene	< 0.046
Pyrene	< 0.036
Benz(a)anthracene	< 0.042
Chrysene	< 0.038
Benzo(a)pyrene	< 0.078
Benzo(b)fluoranthene	< 0.052
Benzo(k)fluoranthene	< 0.076
Indeno(1,2,3-cd)pyrene	< 0.07
Dibenz(a,h)anthracene	< 0.04
Benzo(g,h,i)perylene	< 0.044

ENVIRONMENTAL CHEMISTS

Client:	SLR International Corp.
Project:	101.00205.00030, F&BI 310050
Lab ID:	310050-07
Data File:	100818.D
Instrument:	GCMS6
Operator:	VM

Surrogates: Anthracene-d10 Benzo(a)anthracene-d12	% Recovery: 115 120	Lower Limit: 50 50	Upper Limit: 150 129
Compounds:	Concentration ug/L (ppb)		

Compounds:	ug/L (ppb)
Naphthalene	0.0053
Acenaphthylene	< 0.0024
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	0.0056
Fluoranthene	< 0.0046
Pyrene	< 0.0036
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: EMW-5S-100213
Date Received: 10/02/13
Date Extracted: 10/07/13
Date Analyzed: 10/08/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: 101.00205.00030, F&BI 310050
Lab ID: 310050-08
Data File: 100819.D
Instrument: GCMS6
Operator: VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	110	50	150
Benzo(a)anthracene-d12	118	50	129

	Concentration
Compounds:	ug/L (ppb)
Naphthalene	< 0.004
Acenaphthylene	< 0.0024
Acenaphthene	0.0046
Fluorene	< 0.004
Phenanthrene	0.012
Anthracene	< 0.0028
Fluoranthene	< 0.0046
Pyrene	< 0.0036
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044
J 1	

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: Method Blank
Date Received: N/A
Date Extracted: 10/07/13
Date Analyzed: 10/08/13
Matrix: Water

Matrix: Water Units: ug/L (ppb)

Client: SLR International Corp.
Project: 101.00205.00030, F&BI 310050
Lab ID: 03-1984 mb
Data File: 100811.D
Instrument: GCMS6
Operator: VM

Surrogates: % Recovery: Limit: Limit: Anthracene-d10 119 50 150 Benzo(a)anthracene-d12 131 vo 50 129

Concentration Compounds: ug/L (ppb) Naphthalene < 0.004 Acenaphthylene < 0.0024 Acenaphthene < 0.0038 Fluorene < 0.004 Phenanthrene < 0.0066 Anthracene < 0.0028 Fluoranthene < 0.0046 Pyrene < 0.0036 Benz(a)anthracene < 0.0042 Chrysene < 0.0038 Benzo(a)pyrene < 0.0078 Benzo(b)fluoranthene < 0.0052 Benzo(k)fluoranthene < 0.0076 Indeno(1,2,3-cd)pyrene < 0.007 Dibenz(a,h)anthracene < 0.004 Benzo(g,h,i)perylene < 0.0044

ENVIRONMENTAL CHEMISTS

Client:

Project:

Lab ID:

50

SLR International Corp.

310050-01 1/0.25

101.00205.00030, F&BI 310050

Upper Limit: 150

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	EMW-16D-100213
Date Received:	10/02/13
Date Extracted:	10/08/13
Date Analyzed:	10/16/13
Matrix:	Water
Units:	ug/L (ppb)

10/16/13		Data File:	101622.D\ECD1A.CH
Water		Instrument:	GC7
1g/L (ppb)		Operator:	MCP
		Lower	Upper
	% Recovery:	Limit:	Limit:

Surrogates: TCMX	% Recovery: 83
Compounds:	Concentration ug/L (ppb)
Aroclor 1221	<0.01 j
Aroclor 1232	<0.01 j
Aroclor 1016	<0.01 j
Aroclor 1242	<0.01 j
Aroclor 1248	<0.01 j
Aroclor 1254	<0.01 j
Aroclor 1260	<0.01 j

ENVIRONMENTAL CHEMISTS

Client: Project:

Lab ID:

50

SLR International Corp.

310050-02 1/0.25

101.00205.00030, F&BI 310050

Upper Limit: 150

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	EMW-6S-100213
•	
Date Received:	10/02/13
Date Extracted:	10/08/13
Date Analyzed:	10/16/13
Matrix:	Water
Units:	11g/L (nnh)

are militare are court	20,00,20			010000 01 1.0.10
ate Analyzed:	10/16/13		Data File:	101624.D\ECD1A.CH
latrix:	Water		Instrument:	GC7
nits:	ug/L (ppb)		Operator:	MCP
urrogates:		% Recovery:	Lower Limit:	Upper Limit:
arrogates.		70 Recovery.	Limit.	Lillic.

Surrogates: TCMX	% Recovery: 98
Compounds:	Concentration ug/L (ppb)
Aroclor 1221	<0.01 j
Aroclor 1232	<0.01 j
Aroclor 1016	<0.01 j
Aroclor 1242	<0.01 j
Aroclor 1248	<0.01 j
Aroclor 1254	<0.01 j
Aroclor 1260	<0.01 j

ENVIRONMENTAL CHEMISTS

Client:

Project: Lab ID:

50

SLR International Corp.

310050-03 1/0.25

101.00205.00030, F&BI 310050

Upper Limit: 150

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	EMW-7S-100213
Date Received:	10/02/13
Date Extracted:	10/08/13
Date Analyzed:	10/16/13
Matrix:	Water
Units:	ug/L (ppb)

	- 0, 0 0, - 0			0 - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Date Analyzed:	10/16/13		Data File:	101626.D\ECD1A.CH
Matrix:	Water		Instrument:	GC7
Jnits:	ug/L (ppb)		Operator:	MCP
Surrogates:		% Recovery:	Lower Limit:	Upper Limit:

Surrogates: TCMX	% Recovery: 99
Compounds:	Concentration ug/L (ppb)
Aroclor 1221	<0.01 j
Aroclor 1232	<0.01 j
Aroclor 1016	<0.01 j
Aroclor 1242	< 0.01 j
Aroclor 1248	<0.01 j
Aroclor 1254	<0.01 j
Aroclor 1260	<0.01 j

ENVIRONMENTAL CHEMISTS

Client:

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	CMW-1-100213
Date Received:	10/02/13
Date Extracted:	10/08/13
Date Analyzed:	10/16/13
Matrix:	Water
Units:	ug/L (ppb)

O LLOTTC!	omit international our
Project:	101.00205.00030, F&B
Lab ID:	310050-04 1/0.25
Data File:	101632.D\ECD1A.CH
Instrument:	GC7
Operator:	MCP

Lower	Unnor
Lower Limit:	Upper Limit:
50	150

SLR International Corp.

101.00205.00030, F&BI 310050

Surrogates: TCMX	% Recovery: 94	
Compounds:	Concentration ug/L (ppb)	
Aroclor 1221	<0.01 j	
Aroclor 1232	<0.01 j	
Aroclor 1016	<0.01 j	
Aroclor 1242	<0.01 j	
Aroclor 1248	<0.01 j	
Aroclor 1254	<0.01 j	
Aroclor 1260	<0.01 j	

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID: SLR-2-100213 Client: SLR International Corp.

Date Received: 10/02/13 Project: 101.00205.00030, F&BI 310050

 Date Extracted:
 10/08/13
 Lab ID:
 310050-05 1/0.25

 Date Analyzed:
 10/16/13
 Data File:
 101634.D\ECD1A.CH

Concentration Compounds: ug/L (ppb) Aroclor 1221 < 0.01 jAroclor 1232 <0.01j<0.01 j Aroclor 1016 <0.01 j Aroclor 1242 < 0.01 jAroclor 1248 Aroclor 1254 < 0.01 jAroclor 1260 < 0.01 j

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID: DMW-6-100213 Client: SLR International Corp.

 Date Received:
 10/02/13
 Project:
 101.00205.00030, F&BI 310050

 Date Extracted:
 10/08/13
 Lab ID:
 310050-06 1/0.25

 Date Analyzed:
 10/17/13
 Data File:
 101636.D\ECD1A.CH

Surrogates: % Recovery: Limit: Limit: TCMX 89 50 150

Concentration Compounds: ug/L (ppb) Aroclor 1221 < 0.01 j< 0.01 jAroclor 1232 Aroclor 1016 < 0.01 j< 0.01 jAroclor 1242 Aroclor 1248 <0.01 j Aroclor 1254 < 0.01 j<0.01 j Aroclor 1260

ENVIRONMENTAL CHEMISTS

% Recovery:

Analysis For PCBs By EPA Method 8082A

Client Sample ID: CMW-7-100213 Date Received: 10/02/13 10/08/13 Date Extracted: Date Analyzed: 10/17/13 Water Matrix: Units: ug/L (ppb)

Project: Lab ID: Data File: Instrument: Operator:

Client:

SLR International Corp. 101.00205.00030, F&BI 310050

310050-07 1/0.25 101638.D\ECD1A.CH

GC7 **MCP**

Lower Limit: 50

Upper Limit: 150

Surrogates: TCMX 88 Concentration Compounds: ug/L (ppb) Aroclor 1221 <0.01 jAroclor 1232 <0.01 j Aroclor 1016 <0.01jAroclor 1242 <0.01 jAroclor 1248 <0.01 jAroclor 1254 < 0.01 jAroclor 1260 < 0.01 j

ENVIRONMENTAL CHEMISTS

Client:

Project:

Limit: 50

SLR International Corp.

101.00205.00030, F&BI 310050

Upper Limit: 150

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	EMW-5S-100213
Date Received:	10/02/13
Date Extracted:	10/08/13
Date Analyzed:	10/17/13
Matrix:	Water
Units:	ug/L (ppb)

	Lower	Upper
ug/L (ppb)	Operator:	MCP
Water	Instrument:	GC7
10/17/13	Data File:	40.D\ECD1A.CH
10/08/13	Lab ID:	310050-08 1/0.25
10,00,10	1 10,000.	101.00200.00000, 1

<0.01j

Surrogates:	% Recovery:	
TCMX	105	
Compounds:	Concentration ug/L (ppb)	
Aroclor 1221	<0.01 j	
Aroclor 1232	<0.01 j	
Aroclor 1016	<0.01 j	
Aroclor 1242	<0.01 j	
Aroclor 1248	<0.01 j	
Aroclor 1254	<0.01 j	

Aroclor 1260

ENVIRONMENTAL CHEMISTS

Client: Project:

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank
Date Received:	10/02/13
Date Extracted:	10/08/13
Date Analyzed:	10/16/13
Matrix:	Water
Units:	ug/L (ppb)

Lab ID:	03-2028 mb 1/0.25
Data File:	12.D\ECD1A.CH
Instrument:	GC7
Operator:	MCP

Lower Limit: 50 SLR International Corp.

101.00205.00030, F&BI 310050

Upper Limit: 150

Surrogates: TCMX	% Recovery: 99	
Compounds:	Concentration ug/L (ppb)	
Aroclor 1221	<0.01 j	
Aroclor 1016	<0.01 j	
Aroclor 1242 Aroclor 1248	<0.01 j <0.01 j	
Aroclor 1254 Aroclor 1260	<0.01 j <0.01 j	
Aroclor 1221 Aroclor 1232 Aroclor 1016 Aroclor 1242 Aroclor 1248 Aroclor 1254	<0.01 j <0.01 j <0.01 j <0.01 j <0.01 j	

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: EMW-16D-100213 Client: SLR International Corp. Date Received: 10/02/13 Project: 101.00205.00030, F&BI 310050 Lab ID: 10/15/13 310050-01 Date Extracted: Date Analyzed: 10/28/13 Data File: 310050-01.015

Date Analyzed: 10/28/13 Data File: 310050-01.

Matrix: Water Instrument: ICPMS1
Units: ug/L (ppb) Operator: AP

Upper Lower Internal Standard: % Recovery: Limit: Limit: Germanium 69 60 125 40 vo 60 Indium 125 Holmium 50 vo 60 125

Analyte: Concentration ug/L (ppb)

 Cadmium
 <0.0940 J</td>

 Antimony
 0.503 J

 Thallium
 <0.0740 J</td>

 Lead
 <0.144 J</td>

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: EMW-16D-100213
Date Received: 10/02/13
Date Extracted: 10/15/13
Date Analyzed: 10/28/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: 101.00205.00030, F&BI 310050
Lab ID: 310050-01 x10
Data File: 310050-01 x10.019
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	91	60	125
Indium	84	60	125
Holmium	84	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	<1.38
Nickel	7.90
Copper	4.20
Zinc	< 6.00
Arsenic	41.0 ip
Selenium	130 ip
Silver	< 0.640
Cadmium	< 0.940
Antimony	< 0.520
Barium	256
Thallium	< 0.740
Lead	<1.44

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: EMW-6S-100213
Date Received: 10/02/13
Date Extracted: 10/15/13
Date Analyzed: 10/28/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: 101.00205.00030, F&BI 310050
Lab ID: 310050-02
Data File: 310050-02.016
Instrument: ICPMS1
Operator: AP

	Lower	Upper
% Recovery:	Limit:	Limit:
100	60	125
97	60	125
92	60	125
	100 97	% Recovery: Limit: 100 60 97 60

Concentration Analyte: ug/L (ppb) < 0.0980 Beryllium Chromium 0.368 Nickel 0.983 Copper 1.44Zinc 0.786 Arsenic 1.28 ip Selenium 0.681 ip Silver < 0.0640 Cadmium < 0.0940 Antimony 1.58 Barium 7.59 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: EMW-7S-100213
Date Received: 10/02/13
Date Extracted: 10/15/13
Date Analyzed: 10/28/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: 101.00205.00030, F&BI 310050
Lab ID: 310050-03
Data File: 310050-03.017
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	111	60	125
Indium	93	60	125
Holmium	90	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 0.951 Nickel 0.918 Copper 0.456 Zinc < 0.600 Arsenic 2.51 ip Selenium 0.841 ip Silver < 0.0640 Cadmium < 0.0940 Antimony 0.0650 Barium 12.7 Thallium < 0.0740 Lead 0.179

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: CMW-1-100213
Date Received: 10/02/13
Date Extracted: 10/15/13
Date Analyzed: 10/28/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: 101.00205.00030, F&BI 310050
Lab ID: 310050-04
Data File: 310050-04.060
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	49 vo	60	125
Indium	45 vo	60	125
Holmium	51 vo	60	125

Concentration ug/L (ppb)

Cadmium <0.0940 J
Thallium <0.0740 J
Lead 0.178 J

ENVIRONMENTAL CHEMISTS

Client:

Project: Lab ID:

Data File:

Operator:

Instrument:

SLR International Corp.

310050-04 x10

ICPMS1

AP

310050-04 x10.065

101.00205.00030, F&BI 310050

Analysis For Total Metals By EPA Method 200.8

Date Received: 10	MW-1-100213 D/02/13 D/15/13
Date Analyzed: 10 Matrix: W	0/28/13 Vater g/L (ppb)

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	76	60	125
Indium	76	60	125
Holmium	73	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	<1.38
Nickel	7.91
Copper	6.18
Zinc	51.1
Arsenic	38.4 ip
Selenium	110 ip
Silver	0.640
Cadmium	< 0.940
Antimony	1.01
Barium	82.8
Thallium	< 0.740
Lead	<1.44

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client: Project:	SLR International Corp. 101.00205.00030, F&BI 310050
Lab ID:	310050-05
Data File:	310050-05.052
Instrument:	ICPMS1
Operator:	AP

		Lower.	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	80	60	125
Indium	77	60	125
Holmium	76	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	0.758
Nickel	1.57
Copper	3.52
Zinc	1.94
Arsenic	1.49 ip
Selenium	0.943 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	2.20
Barium	5.83
Thallium	< 0.0740
Lead	0.266

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: DMW-6-100213
Date Received: 10/02/13
Date Extracted: 10/15/13
Date Analyzed: 10/28/13
Matrix: Water
Units: ug/L (ppb)

 Client:
 SLR International Corp.

 Project:
 101.00205.00030, F&BI 310050

 Lab ID:
 310050-06

 Data File:
 310050-06.061

 Instrument:
 ICPMS1

 Operator:
 AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	107	60	125
Indium	81	60	125
Holmium	76	60	125

Concentration Analyte: ug/L (ppb) < 0.0980 Beryllium Chromium 1.63 Nickel 0.570 Copper 0.523 Zinc 2.91 Arsenic 56.1 ip Selenium 3.13 ip Silver < 0.0640 Cadmium < 0.0940 Antimony 0.0680 Barium 11.6 Thallium < 0.0740 Lead 0.170

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: CMW-7-100213
Date Received: 10/02/13
Date Extracted: 10/15/13
Date Analyzed: 10/28/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: 101.00205.00030, F&BI 310050
Lab ID: 310050-07
Data File: 310050-07.054
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	80	60	125
Indium	78	60	125
Holmium	77	60	125

Concentration ug/L (ppb) Analyte: < 0.0980 Beryllium Chromium 0.368 Nickel 6.35 Copper 2.45 Zinc 5.75 Arsenic 4.12 ip Selenium 10.6 ip < 0.0640 Silver Cadmium < 0.0940 Antimony 0.274 Barium 32.9 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: EMW-5S-100213
Date Received: 10/02/13
Date Extracted: 10/15/13
Date Analyzed: 10/28/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: 101.00205.00030, F&BI 310050
Lab ID: 310050-08
Data File: 310050-08.053
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	90	60	125
Indium	80	60	125
Holmium	78	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 0.777Nickel 2.02 Copper 0.717 Zinc 1.05 Arsenic 2.81 ip Selenium 0.951 ip Silver < 0.0640 < 0.0940 Cadmium Antimony 0.0590 Barium 15.4Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Method Blank
Date Received: N/A
Date Extracted: 10/15/13
Date Analyzed: 10/28/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: 101.00205.00030, F&BI 310050
Lab ID: I3-683 mb
Data File: I3-683 mb.013
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	101	60	125
Indium	98	60	125
Holmium	96	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium < 0.138 Nickel < 0.460 Copper < 0.340 Zinc < 0.600 Arsenic < 1.00 Selenium < 0.560 Silver < 0.0640 < 0.0940 Cadmium Antimony < 0.0520 Barium < 0.260 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID: EMW-16D-100213
Date Received: 10/02/13
Date Extracted: 10/14/13
Date Analyzed: 10/14/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: 101.00205.00030, F&BI 310050
Lab ID: 310050-01
Data File: 310050-01.074
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	55 vo	60	125
Indium	37 vo	60	125
Holmium	38 vo	60	125

Concentration ug/L (ppb)

Cadmium <0.0940 J
Thallium <0.0740 J
Lead <0.144 J

ENVIRONMENTAL CHEMISTS

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	82	60	125
Indium	82	60	125
Holmium	87	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	1.39
Nickel	8.23
Zinc	10.9
Silver	< 0.640
Cadmium	< 0.940
Antimony	4.78
Barium	256
Thallium	< 0.740
Lead	<1.44

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID: EMW-6S-100213
Date Received: 10/02/13
Date Extracted: 10/14/13
Date Analyzed: 10/14/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: 101.00205.00030, F&BI 310050
Lab ID: 310050-02
Data File: 310050-02.066
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	84	60	125
Indium	88	60	125
Holmium	92	60	125

Concentration ug/L (ppb) Analyte: < 0.0980 Beryllium Chromium 0.360 Nickel 0.959 Zinc 10.5 Silver < 0.0640 Cadmium < 0.0940 1.52 Antimony 8.00 Barium < 0.0740 Thallium Lead < 0.144

ENVIRONMENTAL CHEMISTS

02/13 14/13 14/13 ter	Instrument:	SLR International Corp. 101.00205.00030, F&BI 310050 310050-03 310050-03.067 ICPMS1 AP
L (ppb)	Operator:	AP
)	02/13 14/13 14/13	02/13 Project: 14/13 Lab ID: 14/13 Data File: ter Instrument:

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	95	60	125
Indium	88	60	125
Holmium	91	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.03
Nickel	0.925
Zinc	5.80
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	< 0.0520
Barium	12.8
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. 101.00205.00030, F&BI 310050 310050-04 310050-04.072 ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	48 vo	60	125
Indium	49 vo	60	125
Holmium	48 vo	60	125

ENVIRONMENTAL CHEMISTS

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	81	60	125
Indium	83	60	125
Holmium	89	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	1.44
Nickel	8.39
Zinc	50.5
Silver	0.780
Cadmium	< 0.940
Antimony	1.91
Barium	79.0
Thallium	< 0.740
Lead	8.60
Nickel Zinc Silver Cadmium Antimony Barium Thallium	8.39 50.5 0.780 <0.940 1.91 79.0 <0.740

ENVIRONMENTAL CHEMISTS

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix:	SLR-2-100213 10/02/13 10/14/13 10/14/13 Water	Client: Project: Lab ID: Data File: Instrument:	SLR International Corp. 101.00205.00030, F&BI 310050 310050-05 310050-05.068 ICPMS1
Units:	ug/L (ppb)	Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	86	60	125
Indium	91	60	125
Holmium	94	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	0.695
Nickel	1.12
Zinc	1.81
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	2.47
Barium	3.08
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Date Analyzed: 10/14/13 Matrix: Water Units: ug/L (ppb)	Matrix:	Water
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Client:	SLR International Corp.
Project:	101.00205.00030, F&BI 310050
Lab ID:	310050-06
Data File:	310050-06.073
Instrument:	ICPMS1
Operator:	AP

		Lower	∪pper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	109	60	125
Indium	96	60	125
Holmium	101	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.56
Nickel	0.797
Zinc	2.72
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	0.0800
Barium	11.8
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Client ID: Date Received:	CMW-7-100213 10/02/13	Client: Project:	SLR International Corp. 101.00205.00030, F&BI 310050
Date Extracted:	10/14/13	Lab ID:	310050-07
Date Analyzed:	10/14/13	Data File:	310050-07.069
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	82	60	125
Indium	85	60	125
Holmium	87	60	125

	Concentration
Analyte:	ug/L (ppb)
Beryllium	< 0.0980
Chromium	0.504
Nickel	8.07
Zinc	6.99
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	0.271
Barium	31.0
Thallium	< 0.0740
Lead	0.163
Licua	0.100

ENVIRONMENTAL CHEMISTS

Client ID:	EMW-5S-100213	Client:	SLR International Corp.
Date Received:	10/02/13	Project:	101.00205.00030, F&BI 310050
Date Extracted:	10/14/13	Lab ID:	310050-08
Date Analyzed:	10/14/13	Data File:	310050-08.070
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	97	60	125
Indium	95	60	125
Holmium	96	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	0.967
Nickel	3.09
Zinc	3.75
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	< 0.0520
Barium	15.2
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID: Method Blank
Date Received: N/A
Date Extracted: 10/14/13
Date Analyzed: 10/14/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: 101.00205.00030, F&BI 310050
Lab ID: I3-677 mb
Data File: I3-677 mb.043
Instrument: ICPMS1
Operator: AP

	Lower	Upper
% Recovery:	Limit:	Limit:
87	60	125
98	60	125
108	60	125
	87 98	% Recovery: Limit: 87 60 98 60

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium < 0.138 Nickel < 0.460 < 0.600 Zinc Silver < 0.0640 Cadmium < 0.0940 < 0.0520 Antimony Barium < 0.260 < 0.0740 Thallium Lead < 0.144

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/02/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310050

Date Extracted: 10/03/13 Date Analyzed: 10/04/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	<u>Total Mercury</u>
EMW-16D-100213 310050-01	< 0.0015
EMW-6S-100213 310050-02	< 0.0015
EMW-7S-100213 310050-03	<0.0015
CMW-1-100213 310050-04	0.0016
SLR-2-100213 310050-05	0.0034
DMW-6-100213 310050-06	<0.0015
CMW-7-100213 310050-07	0.0020
EMW-5S-100213 310050-08	<0.0015
Method Blank	< 0.0015

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/02/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310050

Date Extracted: 10/09/13 Date Analyzed: 10/10/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED MERCURY USING EPA METHOD 1631E

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	<u>Dissolved Mercury</u>
EMW-16D-100213 310050-01	0.0018
EMW-6S-100213 310050-02	<0.0015
EMW-7S-100213 310050-03	<0.0015
CMW-1-100213 310050-04	0.0015
SLR-2-100213 310050-05	0.0027
DMW-6-100213 310050-06	< 0.0015
CMW-7-100213 310050-07	0.0021
EMW-5S-100213 310050-08	<0.0015
Method Blank	< 0.0015

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/02/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310050

Date Extracted: NA Date Analyzed: 10/03/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL SUSPENDED SOLIDS BY METHOD 2540D

Results Reported as mg/L (ppm)

Sample ID Laboratory ID	Total Suspended <u>Solids</u>
EMW-16D-100213 310050-01	18
EMW-6S-100213 310050-02	<9.7
EMW-7S-100213 310050-04	<9.7
CMW-1-100213 310050-04	<9.7
SLR-2-100213 310050-05	<9.7
DMW-6-100213 310050-06	<9.7
CMW-7-100213 310050-07	<9.7
EMW-5S-100213 310050-08	<9.7
Method Blank	<9.7

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/02/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310050

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 310050-07 (Duplicate)

v	Reporting	,	Duplicate	RPD
Analyte	Units	Sample Result	Result	(Limit 20)
Gasoline	ug/L (ppb)	<12	<12	nm

J	J	1	Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Gasoline	ug/L (ppb)	1,000	100	69-134

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/02/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310050

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample Silica Gel

v	5	•	Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Diesel Extended	ug/L (ppb)	500	67	75	58-134	11

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/02/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310050

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 309543-01 (Matrix Spike)

Laboratory Code. 505545-01 (Matri	к орис)			Percent	
	Reporting	Spike	Sample	Recovery	Acceptance
Analyte	Units	Level	Result	MS	Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	< 0.16	94	55-144
Chloromethane	ug/L (ppb)	50 50	<0.22	95 96	67-131 61-139
Vinyl chloride Bromomethane	ug/L (ppb) ug/L (ppb)	50 50	0.57 <0.2	226 vo	66-129
Chloroethane	ug/L (ppb)	50	<0.18	99	68-126
Trichlorofluoromethane	ug/L (ppb)	50	< 0.17	97	71-128
Acetone	ug/L (ppb)	250	<2.6	79	48-149
1,1-Dichloroethene	ug/L (ppb)	50	< 0.19	93	71-123
Methylene chloride	ug/L (ppb)	50	<3	100	61-126
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	< 0.13	95	68-125
trans-1,2-Dichloroethene	ug/L (ppb)	50 50	<0.24 <0.18	93 94	72-122 79-113
1,1-Dichloroethane 2,2-Dichloropropane	ug/L (ppb) ug/L (ppb)	50	<0.18	104	58-132
cis-1,2-Dichloroethene	ug/L (ppb)	50	< 0.24	89	73-119
Chloroform	ug/L (ppb)	50	< 0.24	93	80-112
2-Butanone (MEK)	ug/L (ppb)	250	< 0.94	86	69-123
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	< 0.11	93	78-113
1,1,1-Trichloroethane	ug/L (ppb)	50	<0.2	97	79-116
1,1-Dichloropropene	ug/L (ppb)	50	<0.26	94	67-121
Carbon tetrachloride Benzene	ug/L (ppb) ug/L (ppb)	50 50	<0.24 <0.13	10 1 91	72-123 79-109
Trichloroethene	ug/L (ppb)	50	<0.13	90	75-109
1,2-Dichloropropane	ug/L (ppb)	50	< 0.32	95	80-111
Bromodichloromethane	ug/L (ppb)	50	< 0.38	97	78-117
Dibromomethane	ug/L (ppb)	50	< 0.28	93	80-112
4-Methyl-2-pentanone	ug/L (ppb)	250	<1.3	109	79-123
cis-1,3-Dichloropropene	ug/L (ppb)	50 50	<0.2 <0.13	103 91	76-120 73-117
Toluene trans-1,3-Dichloropropene	ug/L (ppb) ug/L (ppb)	50 50	<0.13	107	75-117 75-122
1.1.2-Trichloroethane	ug/L (ppb)	50	<0.28	99	81-111
2-Hexanone	ug/L (ppb)	250	<1	99	75-126
1,3-Dichloropropane	ug/L (ppb)	50	< 0.2	95	81-111
Tetrachloroethene	ug/L (ppb)	50	< 0.28	94	72-113
Dibromochloromethane 1,2-Dibromoethane (EDB)	ug/L (ppb)	50 50	<0.24 <0.24	104 99	69-129 83-114
Chlorobenzene	ug/L (ppb) ug/L (ppb)	50	<0.24	90	75-115
Ethylbenzene	ug/L (ppb)	50	< 0.16	95	71-120
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	< 0.32	101	78-122
m,p-Xylene	ug/L (ppb)	100	< 0.5	94	63-128
o-Xylene	ug/L (ppb)	50	< 0.22	96	64-129
Styrene Isopropylbenzene	ug/L (ppb) ug/L (ppb)	50 50	<0.22 <0.15	97 96	70-122 76-118
Bromoform	ug/L (ppb)	50	<0.13	110	49-138
n-Propylbenzene	ug/L (ppb)	50	< 0.14	95	74-117
Bromobenzene	ug/L (ppb)	50	< 0.18	95	70-121
1,3,5-Trimethylbenzene	ug/L (ppb)	50	< 0.18	96	81-112
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	< 0.24	97	79-120
1,2,3-Trichloropropane 2-Chlorotoluene	ug/L (ppb) ug/L (ppb)	50 50	<0.28 <0.13	94 93	72-119 77-114
4-Chlorotoluene	ug/L (ppb)	50	< 0.16	93	81-109
tert-Butylbenzene	ug/L (ppb)	50	< 0.15	98	81-116
1,2,4-Trimethylbenzene	ug/L (ppb)	50	< 0.11	95	74-118
sec-Butylbenzene	ug/L (ppb)	50	< 0.12	97	77-118
p-Isopropyltoluene	ug/L (ppb)	50	< 0.15	95	64-132
1,3-Dichlorobenzene 1.4-Dichlorobenzene	ug/L (ppb) ug/L (ppb)	50 50	<0.15 <0.094	90 87	81-111 78-110
1,2-Dichlorobenzene	ug/L (ppb)	50	< 0.13	90	81-111
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	< 0.44	101	69-129
1,2,4-Trichlorobenzene	ug/L (ppb)	50	< 0.34	91	74-115
Hexachlorobutadiene	ug/L (ppb)	50	< 0.46	89	67-120
Naphthalene	ug/L (ppb)	50	<0.28	99 90	63-136
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<0.38	90	79-115

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/02/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310050

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

			Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
A 1.			~			
Analyte	Units	Level	LCS	LCSD	Criteria	_(Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	104	107	54-149	3
Chloromethane	ug/L (ppb)	50 50	100 102	101 103	67-133 73-132	1 1
Vinyl chloride Bromomethane	ug/L (ppb) ug/L (ppb)	50 50	270 vo	256 vo	69-123	5
Chloroethane	ug/L (ppb)	50	104	105	68-126	1
Trichlorofluoromethane	ug/L (ppb)	50	105	107	70-132	2
Acetone	ug/L (ppb)	250	102	104	44-145	2
1,1-Dichloroethene	ug/L (ppb)	50	102	102	75-119	0
Methylene chloride	ug/L (ppb)	50	106	108	63-132	2
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	103	105	70-122	2
trans-1,2-Dichloroethene	ug/L (ppb)	50	100	102	76-118	2
1,1-Dichloroethane	ug/L (ppb)	50	101 111	103 115	80-116 62-141	2 4
2,2-Dichloropropane cis-1,2-Dichloroethene	ug/L (ppb) ug/L (ppb)	50 50	97	98	81-111	1
Chloroform	ug/L (ppb)	50	100	101	81-109	1
2-Butanone (MEK)	ug/L (ppb)	250	97	101	53-140	4
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	99	101	79-109	2
1,1,1-Trichloroethane	ug/L (ppb)	50	104	106	80-116	2
1,1-Dichloropropene	ug/L (ppb)	50	102	104	78-112	2
Carbon tetrachloride	ug/L (ppb)	50	109	111	72-128	2
Benzene	ug/L (ppb)	50	98	99	81-108	1
Trichloroethene	ug/L (ppb)	50	97	100	77-108	3 2
1,2-Dichloropropane	ug/L (ppb) ug/L (ppb)	50 50	103 106	105 108	82-109 76-120	2
Bromodichloromethane Dibromomethane	ug/L (ppb)	50	102	104	80-110	2
4-Methyl-2-pentanone	ug/L (ppb)	250	119	121	59-142	2
cis-1,3-Dichloropropene	ug/L (ppb)	50	111	115	76-128	4
Toluene	ug/L (ppb)	50	97	98	83-108	1
trans-1,3-Dichloropropene	ug/L (ppb)	50	113	116	76-128	3
1,1,2-Trichloroethane	ug/L (ppb)	50	107	108	82-110	1
2-Hexanone	ug/L (ppb)	250	107	110	53-145	3
1,3-Dichloropropane	ug/L (ppb)	50	102	103	83-110	1 2
Tetrachloroethene Dibromochloromethane	ug/L (ppb)	50 50	102 112	104 113	78-109 63-140	1
1,2-Dibromoethane (EDB)	ug/L (ppb) ug/L (ppb)	50	107	107	85-113	0
Chlorobenzene	ug/L (ppb)	50	97	97	84-108	0
Ethylbenzene	ug/L (ppb)	50	101	102	84-110	1
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	107	108	76-125	1
m.p-Xylene	ug/L (ppb)	100	101	102	84-112	1
o-Xylene	ug/L (ppb)	50	103	103	82-113	0
Styrene	ug/L (ppb)	50	104	105	84-116	1
Isopropylbenzene	ug/L (ppb)	50 50	102	104	81-122 40-161	2 1
Bromoform n-Propylbenzene	ug/L (ppb) ug/L (ppb)	50 50	114 103	115 105	81-115	2
Bromobenzene	ug/L (ppb)	50	103	104	80-113	1
1,3,5-Trimethylbenzene	ug/L (ppb)	50	104	106	83-117	2
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	104	105	79-118	1
1,2,3-Trichloropropane	ug/L (ppb)	50	100	102	74-116	2
2-Chlorotoluene	ug/L (ppb)	50	102	103	79-112	1
4-Chlorotoluene	ug/L (ppb)	50	101	102	81-113	1
tert-Butylbenzene	ug/L (ppb)	50 50	106 102	107 104	81-119 83-116	1 2
1,2,4-Trimethylbenzene sec-Butylbenzene	ug/L (ppb) ug/L (ppb)	50 50	102	107	83-116	2
p-Isopropyltoluene	ug/L (ppb)	50	103	104	82-119	1
1,3-Dichlorobenzene	ug/L (ppb)	50	97	99	83-111	2
1.4-Dichlorobenzene	ug/L (ppb)	50	93	94	82-109	1
1,2-Dichlorobenzene	ug/L (ppb)	50	98	99	83-111	1
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	108	110	62-133	2
1,2,4-Trichlorobenzene	ug/L (ppb)	50	99	101	77-117	2
Hexachlorobutadiene	ug/L (ppb)	50	98	98	74-118	0
Naphthalene	ug/L (ppb)	50 50	108 99	109 100	75-131 82-115	1
1,2,3-Trichlorobenzene	ug/L (ppb)	90	99	100	02-113	1

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/02/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310050

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270D

	_		Percent	Percent		
	Reporting	Spike	Recovery LCS	Recovery	Acceptance	RPD
<u>Analyte</u>	Ûnits	Level		LCSD	Criteria	(Limit 20)
PhenoI	ug/L (ppb)	10	32	37	18-52	14
Bis(2-chloroethyl) ether	ug/L (ppb)	10	85	93	52-113	9
2-Chlorophenol	ug/L (ppb)	10	86	95	50-110	10
1,3-Dichlorobenzene	ug/L (ppb)	10	83	85	45-109	2
1.4-Dichlorobenzene	ug/L (ppb)	10	84	85	44-118	1
1,2-Dichlorobenzene	ug/L (ppb)	10	86	87	46-116	1
Benzyl alcohol	ug/L (ppb)	10	75	82	42-100	9
Bis(2-chloroisopropyl) ether	ug/L (ppb)	10	92	97	51-124	5
2-Methylphenol	ug/L (ppb)	10	77	85	38-100	10
Hexachloroethane	ug/L (ppb)	10	82	84	42-117	2
N-Nitroso-di-n-propylamine	ug/L (ppb)	10	92	102	48-124	10
3-Methylphenol + 4-Methylphenol	ug/L (ppb)	10	72	78	48-87	8
Nitrobenzene	ug/L (ppb)	10	86	92	50-118	7
Isophorone	ug/L (ppb)	10	99	105	55-116	6
2-Nitrophenol	ug/L (ppb)	10	98	107	42-127	9
2,4-Dimethylphenol	ug/L (ppb)	10	76	76	45-100	0
Benzoic acid	ug/L (ppb)	65	19	23	10-46	19
Bis (2-chloroethoxy)methane	ug/L (ppb)	10	93	100	55-115	7
2,4-Dichlorophenol	ug/L (ppb)	10	97	105	55-113	8
1,2,4-Trichlorobenzene	ug/L (ppb)	10	84	85	50-109	1
Hexachlorobutadiene	ug/L (ppb)	10	81	82	50-109	1
4-Chloroaniline	ug/L (ppb)	20	93	91	30-109	2
4-Chloro-3-methylphenol	ug/L (ppb)	10	98	106	54-114	8
2-Methylnaphthalene	ug/L (ppb)	10	90	95	53-113	5
Hexachlorocyclopentadiene	ug/L (ppb)	10	64	69	26-94	8
2,4,6-Trichlorophenol	ug/L (ppb)	10	93	100	46-114	7
2,4,5-Trichlorophenol	ug/L (ppb)	10	99	106	57-122	7
2-Chloronaphthalene	ug/L (ppb)	10	84	91	52-112	8
2-Nitroaniline	ug/L (ppb)	10	106	111	47-128	5
Dimethyl phthalate	ug/L (ppb)	10	102	106	55-116	4
2,6-Dinitrotoluene	ug/L (ppb)	10	110	115	49-126	4
3-Nitroaniline	ug/L (ppb)	20	103	104	21-125	1
2,4-Dinitrophenol	ug/L (ppb)	10	98	109	29-130	11
Dibenzofuran	ug/L (ppb)	10	92	97	53-113	5
2.4-Dinitrotoluene	ug/L (ppb)	10	112	117	48-129	4
4-Nitrophenol	ug/L (ppb)	10	39	44	12-59	12
Diethyl phthalate	ug/L (ppb)	10	104	106	55-116	2
4-Chlorophenyl phenyl ether	ug/L (ppb)	10	93	97	52-115	4
N-Nitrosodiphenylamine	ug/L (ppb)	10	94	100	51-112	6
4-Nitroaniline	ug/L (ppb)	20	97	102	42-115	5
4,6-Dinitro-2-methylphenol	ug/L (ppb)	10	100	109	40-128	9
4-Bromophenyl phenyl ether	ug/L (ppb)	10	92	98	53-114	6
Hexachlorobenzene	ug/L (ppb)	10	91	95	54-115	4
Pentachlorophenol	ug/L (ppb)	10	95	106	49-114	11
Carbazole	ug/L (ppb)	10	97	102	54-115	5
Di-n-butyl phthalate	ug/L (ppb)	10	103	109	54-115	6
Benzyl butyl phthalate	ug/L (ppb)	10	110	117	53-122	6
Bis(2-ethylhexyl) phthalate	ug/L (ppb)	10	111	122	54-122	9
Di-n-octyl phthalate	ug/L (ppb)	10	112	122	50-131	9

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/02/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310050

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR PNA'S BY EPA METHOD 8270D SIM

			Percent	Percent		
	Reporting	Spike	Recovery LCS	Recovery	Acceptance	RPD
Analyte	Units	Level		LCSD	Criteria	(Limit 20)
Naphthalene	ug/L (ppb)	1	81	85	67-116	5
Acenaphthylene	ug/L (ppb)	1	83	88	65-119	6
Acenaphthene	ug/L (ppb)	1	80	86	66-118	7
Fluorene	ug/L (ppb)	1	85	91	64-125	7
Phenanthrene	ug/L (ppb)	1	81	87	67-120	7
Anthracene	ug/L (ppb)	1	81	88	65-122	8
Fluoranthene	ug/L (ppb)	1	81	90	65-127	11
Pyrene	ug/L (ppb)	1	85	90	62-130	6
Benz(a)anthracene	ug/L (ppb)	1	79	86	60-118	8
Chrysene	ug/L (ppb)	1	83	91	66-125	9
Benzo(b)fluoranthene	ug/L (ppb)	1	77	93	55-135	19
Benzo(k)fluoranthene	ug/L (ppb)	1	81	88	62-125	8
Benzo(a)pyrene	ug/L (ppb)	1	78	87	58-127	11
Indeno(1,2,3-cd)pyrene	ug/L (ppb)	1	78	83	36-142	6
Dibenz(a,h)anthracene	ug/L (ppb)	1	71	80	37-133	12
Benzo(g,h,i)perylene	ug/L (ppb)	1	72	82	34-135	13

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/02/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310050

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

-	-	_	Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
_Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Aroclor 1016	ug/L (ppb)	0.63	96	112	70-130	15
Aroclor 1260	ug/L (ppb)	0.63	92	100	70-130	8

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/02/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310050

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 310050-01 1/10 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Beryllium	ug/L (ppb)	5	< 0.980	144	155 vo	67-145	7
Chromium	ug/L (ppb)	20	<1.38	104	106	64-132	2
Nickel	ug/L (ppb)	20	7.90	90 b	92 b	61-128	2 b
Copper	ug/L (ppb)	20	4.20	83 b	86 b	63-124	4 b
Zinc	ug/L (ppb)	50	< 6.00	81	82	55-141	1
Arsenic	ug/L (ppb)	10	41.0	121 b	119 b	60-150	2 b
Selenium	ug/L (ppb)	5	130	150 b	181 b	43-178	19 b
Silver	ug/L (ppb)	5	< 0.640	69 vo	70 vo	71-115	1
Cadmium	ug/L (ppb)	5	< 0.940	100	76 vo	83-116	27 vo
Antimony	ug/L (ppb)	20	< 0.520	97	99	62-125	2
Barium	ug/L (ppb)	50	256	103 b	113 b	79-126	9 b
Thallium	ug/L (ppb)	5	< 0.740	76	79	73-119	4
Lead	ug/L (ppb)	10	< 1.44	79	81	79-121	2

		Percent					
	Reporting	Spike	Recovery	Acceptance			
Analyte	Units	Level	LCS	Criteria			
Beryllium	ug/L (ppb)	5	104	73-135			
Chromium	ug/L (ppb)	20	92	80-119			
Nickel	ug/L (ppb)	20	93	79-122			
Copper	ug/L (ppb)	20	119	81-119			
Zinc	ug/L (ppb)	50	93	76-124			
Arsenic	ug/L (ppb)	10	86	80-111			
Selenium	ug/L (ppb)	5	92	81-119			
Silver	ug/L (ppb)	5	84	80-116			
Cadmium	ug/L (ppb)	5	96	83-113			
Antimony	ug/L (ppb)	20	81	79-108			
Barium	ug/L (ppb)	50	98	83-117			
Thallium	ug/L (ppb)	5	102	78-116			
Lead	ug/L (ppb)	10	98	83-115			

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/02/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310050

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED METALS USING EPA METHOD 200.8

	Reporting	Spike	Percent Recovery	Percent Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD Č	Criteria	(Limit 20)
Beryllium	ug/L (ppb)	5	111	110	73-135	1
Chromium	ug/L (ppb)	20	105	105	80-119	0
Nickel	ug/L (ppb)	20	103	102	79-122	1
Zinc	ug/L (ppb)	50	99	99	76-124	0
Silver	ug/L (ppb)	5	82	82	80-116	0
Cadmium	ug/L (ppb)	5	98	98	83-113	0
Antimony	ug/L (ppb)	20	91	93	79-108	2
Barium	ug/L (ppb)	50	100	98	83-117	2
Thallium	ug/L (ppb)	5	99	97	78-116	2
Lead	ug/L (ppb)	10	98	96	83-115	2

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/02/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310050

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Laboratory Code: 310050-01 (Matrix Spike)

		_		Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Mercury	ug/L (ppb)	0.01	< 0.0015	96	94	63-132	2

			Percent	
	Reporting	Spike	Recovery	Acceptance
_Analyte	Units	Level	LCS	Criteria
Mercury	ug/L (ppb)	0.01	104	78-118

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/02/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310050

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED MERCURY USING EPA METHOD 1631E

v	· ·	•	Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
_Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Mercury	ug/L (ppb)	0.01	97	98	78-118	1

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/02/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310050

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL SUSPENDED SOLIDS BY METHOD 2540D

Laboratory Code: 310050-08 (Duplicate)

				Relative	
	Reporting	Sample	Duplicate	Percent	Acceptance
Analyte	Units	Result	Result	Difference	Criteria
TSS	mø/L	<9.7	<9.7	nm	0-20

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
TSS	mg/L	50	116	61-131

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 More than one compound of similar molecule structure was identified with equal probability.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- $\mbox{\it ca}$ The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte indicated may be due to carryover from previous sample injections.
- d The sample was diluted. Detection limits may be raised due to dilution.
- ds The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb Analyte present in the blank and the sample.
- fc The compound is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht Analysis performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j The result is below normal reporting limits. The value reported is an estimate.
- J The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the compound indicated is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- $\,$ nm The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



October 18, 2013

Michele Costales Poquiz Friedman & Bruya 3012 16th Ave W Seattle, WA 98119

RE: Project: 310050 ARI Jöb No.: XI09

Dear Michele:

Please find enclosed the Chain-of-Custody record (COC), sample receipt documentation, and the final data for the samples from the project referenced above. Analytical Resources, Inc. (ARI) accepted eight water samples on October 3, 2013 under ARI job XI09. For further details regarding sample receipt, please refer to the enclosed Cooler Receipt Form.

The samples were analyzed for chloride and TDS, as requested on the COC.

There were no anomalies associated with the analyses of these samples.

An electronic copy of this report and all associated raw data will be kept on file at ARI. Should you have any questions or concerns, please feel free to call me at your convenience.

Respectfully,

ANALYTICAL RESOURCES, INC.

Cheronne Oreiro Project Manager (206) 695-6214

cheronneo@arilabs.com

www.arilabs.com

cc: eFile XI09

Enclosures

SAMPLE CHAIN OF CUSTODY

Email Address mpoquiz@friedmanandbruya.com

	8									
	Notes									
	Chloride by SM4500	X	X	×	×	×	X	×	X	
red	TDS by 2540C	X	X	X	×	X	Х	X	X	
ANALYSES REQUESTED	Total Organic M090e yd nodraO									
ES RE	Hexavalent Cr by 7196A					,				
LYS	HFS									
AN	SAOCs by 8270									
	AOCs by 8260						-			
	enilossD-HTT									
1	Isssi G-HTT					-,				
					der gereg er e					
	# of containers	7							_	
	e Type	7								
	Sample Type	water							->	
	Time Sampled	7011	7081	1500	1089	1329	4551	8801	1439	
	Date Sampled	10/2413						_	->	
	Lab ID									
	Sample ID	EMW-16D-100213	EMW-65-100213	EMW-75-10213	CMW-1-100213	SLR -2-100213	DMW-6-100213	CMW-7-100213	EMW-58-100213	

TIME 5:29PM

<u>Ω</u>

XI09:00002



Cooler Receipt Form

ARI Client: Frudman + Bruya Project Name: COC No(s): Delivered by: Fed-Ex UP\$ Courien Hand Delivered Other: Tracking No: 4513189 Preliminary Examination Phase:	
Assigned ARI Job No: X209 Tracking No: 45/2189	
	NIA
	NA
Were intact, properly signed and dated custody seals attached to the outside of to cooler? YES	(NO)
Were custody papers included with the cooler?	NO
Were custody papers properly filled out (ink, signed, etc.)	NO
Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry) Time: ////	
If cooler temperature is out of compliance fill out form 00070F Temp Gun ID#: 9087	79S
Cooler Accepted by: Date: 10/3//3	
Complete custody forms and attach all shipping documents	
og-In Phase:	_
Was a temperature blank included in the cooler?	(NO)
What kind of packing material was used? Bubble Wrap Wet Ice Gel Packer Baggies Foam Block Paper Other:	
Was sufficient ice used (if appropriate)?	NO
Were all bottles sealed in individual plastic bags?	(NO)
Did all bottles arrive in good condition (unbroken)?	NO
Were all bottle labels complete and legible?	NO
Did the number of containers listed on COC match with the number of containers received?	NO
Did all bottle labels and tags agree with custody papers?	NO
Were all bottles used correct for the requested analyses?	NO
Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs) YES	NO
Were all VOC vials free of air bubbles?	NO
Was sufficient amount of sample sent in each bottle?	NO
Date VOC Trip Blank was made at ARI	
Was Sample Split by ARI: NA YES Date/Time; Equipment: Split by:	
Samples Logged by: Date: 10-3-13 Time: 1100	
** Notify Project Manager of discrepancies or concerns **	
Sample ID on Bottle Sample ID on COC Sample iD on Bottle Sample ID on CO	С
Additional Notes, Discrepancies, & Resolutions:	
Pur Dato:	
By: Date: Small → "sm" (<2 mm)	
Small → "sm" (<2 mm) -2mm	
Large → "lg" (4 to < 6 mm)	
Headspace → "hs" (>6 mm)	

Sample ID Cross Reference Report



ARI Job No: XI09

Client: Friedman & Bruya Project Event: 310050 Project Name: N/A

	Sample ID	ARI Lab ID	ARI LIMS ID	Matrix	Sample Date/Time	VTSR
1.	EMW-16D-100213	XIO9A	13-21335	Water	10/02/13 11:02	10/03/13 10:10
2.	EMW-6S-100213	XIO9B	13-21336	Water	10/02/13 13:02	10/03/13 10:10
3.	EMW-7S-100213	XIO9C	13-21337	Water	10/02/13 15:00	10/03/13 10:10
4.	CMW-1-100213	XIO9D	13-21338	Water	10/02/13 10:59	10/03/13 10:10
5.	SLR-2-100213	XIO9E	13-21339	Water	10/02/13 13:29	10/03/13 10:10
6.	.DMW-6-100213	XIO9F	13-21340	Water	10/02/13 12:29	10/03/13 10:10
7.	CMW-7-100213	XIO9G	13-21341	Water	10/02/13 10:38	10/03/13 10:10
8.	EMW-5S-100213	Х109Н	13-21342	Water	10/02/13 14:39	10/03/13 10:10



Matrix: Water

Data Release Authorized

Reported: 10/17/13

Project: NA

Event: 310050

Date Sampled: 10/02/13 Date Received: 10/03/13

Client ID: EMW-16D-100213 ARI ID: 13-21335 XI09A

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/07/13 100713#1	SM2540C	mg/L	200	19,300
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	2,000	11,700

RL Analytical reporting limit



Matrix: Water

Data Release Authorized

Reported: 10/17/13

Project: NA

Event: 310050

Date Sampled: 10/02/13

Date Received: 10/03/13

Client ID: EMW-6S-100213 ARI ID: 13-21336 XI09B

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/07/13 100713#1	SM2540C	mg/L	5.0	163
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1.0	3.4

RL Analytical reporting limit



Matrix: Water

Data Release Authorized

Reported: 10/17/13

Project: NA
Event: 310050
e Sampled: 10/02/1

Date Sampled: 10/02/13 Date Received: 10/03/13

Client ID: EMW-7S-100213 ARI ID: 13-21337 XI09C

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/07/13 100713#1	SM2540C	mg/L	5.0	219
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1.0	5.9

RL Analytical reporting limit



Matrix: Water

Data Release Authorized:

Reported: 10/17/13

Project: NA

Event: 310050

Date Sampled: 10/02/13

Date Received: 10/03/13

Client ID: CMW-1-100213 ARI ID: 13-21338 XI09D

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/07/13 100713#1	SM2540C	mg/L	200	15,400
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1,000	9,130

RL Analytical reporting limit



Matrix: Water

Data Release Authorized:

Reported: 10/17/13

Project: NA

Event: 310050

Date Sampled: 10/02/13

Date Received: 10/03/13

Client ID: SLR-2-100213 ARI ID: 13-21339 XI09E

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/07/13 100713#1	SM2540C	mg/L	5.0	180
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1.0	3.4
RL Analytical reportin U Undetected at repor		imit			



Matrix: Water

Data Release Authorized

Reported: 10/17/13

Project: NA

Event: 310050

Date Sampled: 10/02/13

Date Received: 10/03/13

Client ID: DMW-6-100213 ARI ID: 13-21340 XI09F

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/07/13 100713#1	SM2540C	mg/L	5.0	197
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	5.0	9.1

RL Analytical reporting limit



Matrix: Water

Data Release Authorized

Reported: 10/17/13

Project: NA

Event: 310050

Date Sampled: 10/02/13

Date Received: 10/03/13

Client ID: CMW-7-100213 ARI ID: 13-21341 XI09G

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/07/13 100713#1	SM2540C	mg/L	20.0	1,690
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	200	830

RL Analytical reporting limit



Matrix: Water

Data Release Authorized:

Reported: 10/17/13

Project: NA

Event: 310050

Date Sampled: 10/02/13

Date Received: 10/03/13

Client ID: EMW-5S-100213 ARI ID: 13-21342 XI09H

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/07/13 100713#1	SM2540C	mg/L	10.0	339
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	2.0	13.2

RL Analytical reporting limit



Matrix: Water

Data Release Authorized:

Reported: 10/17/13

Project: NA

Event: 310050
Date Sampled: 10/02/13
Date Received: 10/03/13

Analyte	Method	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: XI09A Client	ID: EMW-16D-	100213				
Total Dissolved Solids	SM2540C	10/07/13	mg/L	19,300	20,600	6.5%
Chloride	SM4500-CLE	10/04/13	mg/L	11,700	11,800	0.9%

LAB CONTROL RESULTS-CONVENTIONALS XI09-Friedman & Bruya



Matrix: Water

Data Release Authorized: Reported: 10/17/13

Project: NA

Event: 310050 Date Sampled: NA Date Received: NA

Analyte/Method	QC ID	Date	Units	LCS	Spike Added	Recovery
Total Dissolved Solids SM2540C	ICVL	10/07/13	mg/L	485	500	97.0%

METHOD BLANK RESULTS-CONVENTIONALS X109-Friedman & Bruya



Matrix: Water

Data Release Authorized

Reported: 10/17/13

Project: NA

Event: 310050

Date Sampled: NA Date Received: NA

Analyte	Method	Date	Units	Blank	ID
Total Dissolved Solids	SM2540C	10/07/13	mg/L	< 5.0 U	
Chloride	SM4500-CLE	10/04/13	mg/L	< 1.0 U	FB

FB Filtration Blank

STANDARD REFERENCE RESULTS-CONVENTIONALS XI09-Friedman & Bruya



Matrix: Water

Data Release Authorized: Reported: 10/17/13

Project: NA

Event: 310050

Date Sampled: NA

Date	Recerved:	NA	
			_

Analyte/SRM ID	Method	Date	Units	SRM	True Value	Recovery
Chloride ERA #411010	SM4500-CLE	10/04/13	mg/L	5.0	5.0	100.0%



November 5, 2013

Michele Poquiz Friedman & Bruya, Inc. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282

Project Name: 310050

Ms Poquiz,

Attached is the report associated with eight (8) aqueous samples submitted for dissolved arsenic, copper, and selenium analyses on October 16, 2013. All samples were received on the same day, October 16, 2013, in a sealed cooler at 4.2°C. Dissolved metals analyses were performed via inductively coupled plasma dynamic reaction cell mass spectrometry (ICP-DRC-MS). Any analytical issues associated with the analyses are addressed in the following report.

If you have any questions, please feel free to contact me at your convenience.

Sincerely,

Jeremy Maute Project Coordinator

Applied Speciation and Consulting, LLC

Applied Speciation and Consulting, LLC

Report prepared for:

Michele Poquiz Friedman & Bruya, Inc. 3012 16th Avenue West Seattle, WA 98119-2029

Project Name: 310050

November 5, 2013

1. Sample Reception

Eight (8) aqueous samples were submitted for dissolved arsenic, copper, and selenium analyses on October 16, 2013. All samples were received in acceptable condition on the same day, October 16, 2013, in a sealed container at 4.2°C.

The samples submitted for dissolved metals analyses were filtered and preserved prior to reception at Applied Speciation and Consulting. The pH values of the samples were checked upon sample reception to confirm the adequacy of sample preservation.

The samples were received in a laminar flow clean hood void of trace metals contamination and ultra-violet radiation. The samples were stored in a secure enclosed container, known to be free from trace metals contamination, until the digestion and analysis could be performed.

2. Sample Preparation

All sample preparation is performed in laminar flow clean hoods known to be free from trace metals contamination. All applied water for dilutions and sample preservatives are monitored for contamination to account for any biases associated with the sample results.

<u>Dissolved As, Cu, and Se Analysis by ICP-DRC-MS</u> The samples submitted for dissolved metals analyses were filtered and preserved prior to reception at Applied Speciation and Consulting. All preserved samples were digested in accordance with EPA Method 200.8 on October 18, 2013. All sample digests were then analyzed via inductively coupled plasma dynamic reaction cell mass spectrometry (ICP-DRC-MS).

3. Sample Analysis

All sample analysis is precluded by a minimum of a five-point calibration curve spanning the entire concentration range of interest. Calibration curves are performed at the beginning of each analytical day. All calibration curves, associated with each species of interest, are standardized by linear regression resulting in a response factor. All sample results are **instrument blank corrected** to account for any operational biases associated with the analytical platform.

Prior to sample analysis, all calibration curves are verified using second source standards which are identified as initial calibration verification standards (ICV).

Ongoing instrument performance is identified by the analysis of continuing calibration verification standards (CCV) and continuing calibration blanks (CCB) at a minimum interval of every ten analytical runs.

<u>Dissolved As, Cu, and Se Analysis by ICP-DRC-MS</u> All sample digests for dissolved arsenic, copper, and selenium analysis were analyzed by inductively coupled plasma dynamic reaction cell mass spectrometry (ICP-DRC-MS) on November 1, 2013. Aliquots of each sample are introduced into a radio frequency (RF) plasma where energy-transfer processes cause desolvation, atomization, and ionization. The ions are extracted from the plasma through a differentially-pumped vacuum interface and travel through a pressurized chamber (DRC) containing a specific reactive gas which preferentially reacts with interfering ions of the same target mass to charge ratios (m/z). A solid-state detector detects ions transmitted through the mass analyzer, on the basis of their mass-to-charge ratio (m/z), and the resulting current is processed by a data handling system.

4. Analytical Issues

The overall analyses went well and no significant analytical issues were encountered. All quality control parameters associated with these samples were within acceptance limits.

The estimated method detection limits (eMDL) for dissolved metals have been calculated using the standard deviation of the preparation blanks preserved and analyzed concurrently with the submitted samples.

If you have any questions or concerns regarding this report, please feel free to contact me.

Sincerely,

Jeremy Maute

Project Coordinator

Applied Speciation and Consulting, LLC

Applied Speciation and Consulting, LLC Report Generated by: Jeremy Maute Date: November 5, 2013

10/2/2013 Date Sampled:

EMW-16D-100213 Client Sample ID

Date Received: 10/16/2013

Laboratory Sample ID EMW-16D-10213

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM2	5	0.010	0.20	1.56
Diss Cu	EPA 200.8	TM2	2	0.18	0.20	1.53
Diss Se	EPA 200.8	TM2	5	0.072	0.20	0.154 J

All results are reported in μg/L and reflect the applied dilution U = Sample concentration is below the eMDL J = Sample concentration is between the eMDL and the RL

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

10/2/2013 Date Sampled:

Date Received: 10/16/2013

Client Sample ID EMW-6S-100213

Laboratory Sample ID EMW-6S-10213

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM2	5	0.010	0.20	0.651
Diss Cu	EPA 200.8	TM2	2	0.18	0.20	0.83
Diss Se	EPA 200.8	TM2	2	0.072	0.20	< 0.072 U
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All results are reported in µg/L and reflect the applied dilution U = Sample concentration is below the eMDL
J = Sample concentration is between the eMDL and the RL

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

10/2/2013 Date Sampled:

Date Received: 10/16/2013

Client Sample ID EMW-7S-100213 Laboratory Sample ID EMW-7S-10213

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM2	5	0.010	0.20	1.97
Diss Cu	EPA 200.8	TM2	5	0.18	0.20	0.18 J
Diss Se	EPA 200.8	TM2	2	0.072	0.20	0.078 J

All results are reported in $\mu g/L$ and reflect the applied dilution U = Sample concentration is below the eMDL

J = Sample concentration is between the eMDL and the RL

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

10/2/2013 Date Sampled:

Date Received: 10/16/2013

Client Sample ID CMW-1-100213

Laboratory Sample ID CMW-1-100213

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM2	5	0.010	0.20	1.19
Diss Cu	EPA 200.8	TM2	2	0.18	0.20	1.47
Diss Se	EPA 200.8	TM2	5	0.072	0.20	< 0.072 U

All results are reported in μg/L and reflect the applied dilution U = Sample concentration is below the eMDL J = Sample concentration is between the eMDL and the RL

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Date Received: 10/16/2013

10/2/2013 Date Sampled: Client Sample ID SLR-2-100213

Laboratory Sample ID SLR-2-100213

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM2	5	0.010	0.20	0.477
Diss Cu	EPA 200.8	TM2	2	0.18	0.20	2.36
Diss Se	EPA 200.8	TM2	2	0.072	0.20	0.081 J

All results are reported in $\mu g/L$ and reflect the applied dilution U = Sample concentration is below the eMDL J = Sample concentration is between the eMDL and the RL

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Date Received: 10/16/2013

10/2/2013 Date Sampled: Client Sample ID DMW-6-100213

Laboratory Sample ID DMW-6-100213

					Keporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM2	5	0.010	0.20	59.4
Diss Cu	EPA 200.8	TM2	2	0.18	0.20	0.48
Diss Se	EPA 200.8	TM2	5	0.072	0.20	0.179 J
All results are repor	reported in µg/L and reflect the applied dilution	the applied dilution				
U = Sample concer	= Sample concentration is below the eMDL	1DL				
J = Sample concen	ncentration is between the eMDL and the RL	eMDL and the RL				

Applied Speciation and Consulting, LLC Report Generated by: Jeremy Maute Date: November 5, 2013

> 10/2/2013 Date Sampled:

Client Sample ID CMW-7-100213

Date Received: 10/16/2013

Laboratory Sample ID CMW-7-100213

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM2	5	0.010	0.20	0.714
Diss Cu	EPA 200.8	TM2	5	0.18	0.20	2.77
Diss Se	EPA 200.8	TM2	5	0.072	0.20	0.442

All results are reported in μg/L and reflect the applied dilution U = Sample concentration is below the eMDL J = Sample concentration is between the eMDL and the RL

Applied Speciation and Consulting, LLC Report Generated by: Jeremy Maute Date: November 5, 2013

Client Sample ID EMW-5S-100213

10/2/2013

Date Sampled:

Date Received: 10/16/2013

Laboratory Sample ID EMW-5S-100213

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL.	Limit	Concentration
Diss As	EPA 200.8	TM2	5	0.010	0.20	2.05
Diss Cu	EPA 200.8	TM2	2	0.18	0.20	0.65
Diss Se	EPA 200.8	TM2	5	0.072	0.20	< 0.072 U

All results are reported in μg/L and reflect the applied dilution U = Sample concentration is below the eMDL J = Sample concentration is between the eMDL and the RL

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Quality Control Summary - Preparation Blank Summary

Analyte (µg/L)	Batch ID PBW-1	PBW-1	PBW-2	PBW-3	PBW-4	Mean	StdDev	eMDL*	eMDL 5x	Sample RL
Diss As	TM2	0.013	0.012	0.011	0.005	0.010	0.003	0.002	0.010	0.20
Diss Cu	TM2	0.02	0.12	0.00	-0.02	0.03	90.0	0.04	0.18	0.20
Diss Se	TM2	-0.058	-0.042	-0.025	-0.002	-0.032	0.024	0.014	0.072	0.20
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eMDL = Estimated Method Detection Limit
* Please see narrative regarding eMDL calculations

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	∢	Applied Speciation and Consulting, LLC	nd Consulting, LLC		
Quality Control Su	<u>ummary - Certifi</u>	Quality Control Summary - Certified Reference Material	<u>rial</u>		
Analyte (µg/L)	Batch ID	CCS	True Value	Result	Recovery
Total As	TM2	SOT	400.0	370.3	92.6
Total As	TM2	TMDA-70	40.7	38.7	95.0
Total Cu	TM2	SOT	400.0	395.4	98.9
Total Cu	TM2	TMDA-70	399	388	97.3
Total Se	TM2	SOT	400.0	375.7	93.9
Total Se	TM2	TMDA-70	25.9	23.6	91.0

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Quality Control Summary - Matrix Duplicates

Analyte (µg/L)	Sample ID	Batch ID	Rep 1	Rep 2	Mean	RPD
Diss As	Batch QC	TM2	5.444	5.524	5.484	1.5
Diss Cu	Batch QC	TM2	0.33	0.29	0.31	12.4
Diss Se	Batch QC	TM2	< 0.072 U	< 0.072 U	NC	NC

NC = Not calculated due to one or more values below the eMDL

U = Sample concentration is below the eMDL

J = Sample concentration is between the eMDL and the RL

Trace Element Results for Friedman and Bruya Contact: Michele Poquiz

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Quality Control Summary - Matrix Spike/ Matrix Spike Duplicate

			Spike			Spike	MSD		
Analyte (µg/L)	Sample ID	Batch ID	Conc	MS Result	Recovery	Conc	Result	Recovery	RPD
Diss As	Batch QC	TM2	400.0	375.7	92.6	400.0	431.3	106.4	13.8
Diss Cu	Batch QC	TM2	400.0	353.3	88.2	400.0	410.6	102.6	15.0
Diss Se	Batch QC	TM2	400.0	371.4	92.8	400.0	424.3	106.1	13.3

SAMPLE CHAIN OF CUSTODY

pg 3 of 4

Rush charges authorized by: TURNAROUND TIME □ Will call with instructions SAMPLE DISPOSAL Standard Turnaround RUSH X Dispose after 30 days Samples Received at Return samples Speciation C-595 ELECTRONIG DATA REQUESTED (EIM) (10/14 (13 PO# Analytical Resources, Inc. (ARI). Applied (NO 10/11/13 Please e-mail results PROJECT NAME/NO. SUBCONTRACTOR 310050 REMARKS Fax # (206) 283-5044 Email Address mpoquiz@friedmanandbruya.com Send Report To_Michele Costales Poquiz City, State, ZIP_Seattle, WA 98119 Company_Friedman & Bruya, Inc. 3012 16th Ave. W. Phone #_(206) 285-8282_ Address

Friedman & Bruya, Inc. 3012 16th Avenue West Seattle, WA 98119-2029 Ph. (206) 285-8282 Fax (206) 283-5044

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Friedman & Bruya, Inc. Seattle, WA 98119-2029 3012 16th Avenue West Ph. (206) 285-8282

TIME 7891 1635 (0/B/13 51/2/01 DATE Samples received at COMPANY FEBI SCA Pogriz Amanda Mengaist Middle Costales PRINT NAME Received by: At Pog. Relinquished by: Relinquished by: M. SIGNATURE Received by:

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Fax (206) 283-5044

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Kurt Johnson, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

November 6, 2013

Mike Staton SLR International Corp. 22118 20th Ave. SE., G-202 Bothell, WA 98021

Dear Mr. Staton:

Included are the results from the testing of material submitted on October 3, 2013 from the 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310077 project. There are 73 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Crubble Postel Poquiz

Michele Costales Poquiz

Chemist

Enclosures SLR1106R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 3, 2013 by Friedman & Bruya, Inc. from the SLR International Corp. 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310077 project. Samples were logged in under the laboratory ID's listed below.

SLR International Corp.
EMW-8S-100313
CMW-4-100313
EMW-57S-100313
EMW-2S-100313
SLR-1-100313
EMW-12S-100313
SLR-3-100313
TB-100313

Total Petroleum Hydrocarbons as Gasoline by Method NWTPH-Gx

All quality control requirements were acceptable.

<u>Total Petroleum Hydrocarbons as Diesel and Motor Oil by Method NWTPH-Dx with Silica Gel</u>

All quality control requirements were acceptable.

Volatile Compounds by EPA Method 8260C

The trip blank sample was received with incorrect preservation for the 8260 analysis of vinyl chloride. The result should be considered an estimate.

The percent recovery for the matrix spike (MS), laboratory control sample (LCS), and laboratory control sample duplicate (LCSD) failed high for bromomethane. This analyte was not identified in the samples, therefore the results are valid.

Semivolatile Organic Compounds by EPA Method 8270D

The presence of bis(2-ethylhexyl) phthalate in the samples CMW-4-100313, EMW-57S-100313, EMW-2S-100313, SLR-1-100313, EMW-12S-100313, SLR-3-100313 and the method blank is likely due to laboratory contamination. The results have been flagged accordingly.

The calibration result for bis (2-ethylhexyl) phthalate fell outside of acceptance criteria for the samples CMW-4-100313. The value reported is an estimate.

ENVIRONMENTAL CHEMISTS

Semivolatile Organic Compounds by EPA Method 8270D SIM

Compounds in the sample matrix interfered with the quantitation of a surrogate for the samples EMW-57S-100313, EMW-2S-100313, SLR-1-100313, and EMW-12S-100313. The results have been flagged accordingly.

A surrogate recovery failed high for the method blank. The method blank was non-detect, therefore the results are valid.

Polychlorinated Biphenyls as Aroclor 1016/1260 by EPA Method 8082A All quality control requirements were acceptable.

Total Metals by EPA Method 200.8

Compounds in the sample matrix interfered with the quantitation of arsenic and selenium. The results have been flagged accordingly.

The reporting limit for arsenic was raised due to potential low level laboratory contamination.

The internal standard associated with several analytes exceeded acceptance criteria for the sample CMW-4-100313. The sample was diluted and reanalyzed. The results for the full strength and the dilution analyses are included.

The percent recovery for the MS and/or MSD exceeded acceptance criteria for beryllium, silver and cadmium. In addition, the RPD for the MS/MSD exceeded acceptance criteria for cadmium. The results have been flagged accordingly.

Dissolved Metals by EPA Method 200.8

Arsenic, selenium and copper were not reported. Please see the report issued by Applied Speciation and Consulting (ASC) for results for these analytes.

The internal standard associated with several analytes exceeded acceptance criteria for the sample CMW-4-100313. The sample was diluted and reanalyzed. The results for the full strength and the dilution analyses are included.

Total Mercury by EPA Method 1631E

The reporting limit was raised due to potential low level laboratory contamination.

Dissolved Mercury by EPA Method 1631E

The reporting limit was raised due to potential low level laboratory contamination.

Total Suspended Solids by Method 2540D

All quality control requirements were acceptable.

Total Dissolved Solids by Method 2540C

ENVIRONMENTAL CHEMISTS

The samples were sent to Analytical Resources, Inc. (ARI) for analysis. The report generated by ARI is enclosed.

Chloride by Method SM4500

The samples were sent to ARI for analysis. The report generated by ARI is enclosed.

Dissolved Metals by ICP-DRC-MS

The samples were sent to Applied Speciation and Consulting (ASC) for analysis. The report generated by ASC is enclosed.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/03/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310077

Date Extracted: 10/08/13 Date Analyzed: 10/08/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 51-134)
EMW-8S-100313 310077-01	<12	76
CMW-4-100313 310077-02	<12	77
EMW-57S-100313 310077-03	110	75
EMW-2S-100313 310077-04	110	79
SLR-1-100313 310077-05	<12	75
EMW-12S-100313 310077-06	15	74
SLR-3-100313 310077-07	<12	89
Method Blank 03-1962 MB	<12	77

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/03/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310077

Date Extracted: 10/07/13 Date Analyzed: 10/11/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx Sample Extracts Passed Through a Silica Gel Column Prior to Analysis

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C ₁₀ -C ₂₅)	Motor Oil Range (C ₂₅ -C ₃₆)	Surrogate (% Recovery) (Limit 51-134)
EMW-8S-100313 310077-01	< 6.9	<52	96
CMW-4-100313 310077-02	<6.9	<52	101
EMW-57S-100313 310077-03	<6.9	<52	92
EMW-2S-100313 310077-04	<6.9	<52	95
SLR-1-100313 310077-05	<6.9	<52	105
EMW-12S-100313 310077-06	<6.9	<52	60
SLR-3-100313 310077-07	<6.9	<52	74
Method Blank 03-2026 MB	<6.9	<52	94

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-8S-100313	Client:	SLR International Corp.
Date Received:	10/03/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/09/13	Lab ID:	310077-01
Date Analyzed:	10/09/13	Data File:	100909.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	102	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichlorœthane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	CMW-4-100313	Client:	SLR International Corp.
Date Received:	10/03/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/09/13	Lab ID:	310077-02
Date Analyzed:	10/09/13	Data File:	100910.D
Matrix:	Water	Instrument:	GCMS9
Units:	11g/L (nnh)	Operator:	IS

		rower.	Opper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	102	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichlorœthane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-57S-100313	Client:	SLR International Corp.
Date Received:	10/03/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/09/13	Lab ID:	310077-03
Date Analyzed:	10/09/13	Data File:	100911.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	IS

		rower.	Opper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	103	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	1.5	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	1.1	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	0.45	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-2S-100313	Client:	SLR International Corp.
Date Received:	10/03/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/09/13	Lab ID:	310077-04
Date Analyzed:	10/09/13	Data File:	100912.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	97	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	103	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	1.5	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	1.0	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	0.42	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	SLR-1-100313	Client:	SLR International Corp.
Date Received:	10/03/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/09/13	Lab ID:	310077-05
Date Analyzed:	10/09/13	Data File:	100913.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	103	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-12S-100313	Client:	SLR International Corp.
Date Received:	10/03/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/09/13	Lab ID:	310077-06
Date Analyzed:	10/09/13	Data File:	100914.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	103	50	150
4-Bromofluorobenzene	104	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	0.58
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	2.5
Methylene chloride	<3	o-Xylene	1.3
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	0.45
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	SLR-3-100313	Client:	SLR International Corp.
Date Received:	10/03/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/09/13	Lab ID:	310077-07
Date Analyzed:	10/09/13	Data File:	100915.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	103	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	< 2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	TB-100313	Client:	SLR International Corp.
Date Received:	10/03/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/09/13	Lab ID:	310077-08
Date Analyzed:	10/09/13	Data File:	100916.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	<0.13 pr	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	Method Blank	Client:	SLR International Corp.
Date Received:	N/A	Project:	Crowley 101.00205.00030
Date Extracted:	10/09/13	Lab ID:	03-1998 mb
Date Analyzed:	10/09/13	Data File:	100908.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	103	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	< 2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	EMW-8S-10031 10/03/13 10/07/13 10/08/13 Water ug/L (ppb)	13	Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. Crowley 101.00205.00030 310077-01 100820.D GCMS8 VM
Surrogates: 2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromophen Terphenyl-d14		6 Recovery: 41 25 85 87 115 119	Lower Limit: 32 10 50 43 43	Upper Limit: 162 170 150 158 146

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	0.065
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.18
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	CMW-4-10031 10/03/13 10/07/13 10/08/13 Water ug/L (ppb)	3	Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. Crowley 101.00205.00030 310077-02 100821.D GCMS8 VM
Surrogates: 2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromophene Terphenyl-d14		% Recovery: 56 33 90 91 110 116	Lower Limit: 32 10 50 43 43 39	Upper Limit: 162 170 150 158 146 168

Compoundo	Concentration	Compounds	Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.31 fb ca
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044

< 0.094

Hexachlorocyclopentadiene

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-57S-10	00313	Client:	SLR International Corp.
Date Received:	10/03/13		Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13		Lab ID:	310077-03
Date Analyzed:	10/09/13		Data File:	100908.D
Matrix:	Water		Instrument:	GCMS8
Units:	ug/L (ppb)		Operator:	VM
			Lower	Upper
Surrogates:		% Recovery:	Limit:	Limit:
2-Fluorophenol		52	32	162
Phenol-d6		32	10	170
Nitrobenzene-d5		102	50	150
2-Fluorobiphenyl		103	43	158
2,4,6-Tribromophen	ol	144	43	146
Terphenyl-d14		137	39	168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	0.025	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.24 fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-2S-100313	Client:	SLR International Corp.
Date Received:	10/03/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	310077-04
Date Analyzed:	10/09/13	Data File:	100904.D
Matrix:	Water	Instrument:	GCMS8
Units:	ug/L (ppb)	Operator:	VM
		Ĭ	I I aman

	Lower	Upper
% Recovery:	Limit:	Limit:
56	32	162
35	10	170
101	50	150
102	43	158
130	43	146
128	39	168
	56 35 101 102 130	% Recovery: Limit: 56 32 35 10 101 50 102 43 130 43

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	0.027	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.18 fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	SLR-1-100313	Client:	SLR International Corp.
Date Received:	10/03/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	310077-05
Date Analyzed:	10/09/13	Data File:	100913.D
Matrix:	Water	Instrument:	GCMS8
Units:	ug/L (ppb)	Operator:	VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	57	32	162
Phenol-d6	37	10	170
Nitrobenzene-d5	103	50	150
2-Fluorobiphenyl	98	43	158
2,4,6-Tribromophenol	134	43	146
Terphenyl-d14	119	39	168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	0.23	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.30 fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094	~	

ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	EMW-12S-10 10/03/13 10/07/13 10/09/13 Water ug/L (ppb)	00313	Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. Crowley 101.00205.00030 310077-06 100906.D GCMS8 VM
Surrogates: 2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromopheno Terphenyl-d14		% Recovery: 52 33 95 99 133 133	Lower Limit: 32 10 50 43 43 39	Upper Limit: 162 170 150 158 146 168

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	<0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	<0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol		Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.24 fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	SLR-3-100313 10/03/13 10/07/13 10/09/13 Water ug/L (ppb)	3	Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. Crowley 101.00205.00030 310077-07 100907.D GCMS8 VM
Surrogates: 2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromopheno Terphenyl-d14		% Recovery: 58 39 89 71 97 66	Lower Limit: 32 10 50 43 43	Upper Limit: 162 170 150 158 146 168

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
•		•	
Phenol	<0.14	2,4,6-Trichlorophenol	<0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	0.065
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	1.0 fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		
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ENVIRONMENTAL CHEMISTS

Client Sample ID:	Method Blank	Client:	SLR International Corp.
Date Received:	N/A	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	03-1985 mb
Date Analyzed:	10/09/13	Data File:	100909.D
Matrix:	Water	Instrument:	GCMS8
Units:	ug/L (ppb)	Operator:	VM

	Lower	Upper
% Recovery:	Limit:	Limit:
49	32	162
30	10	170
97	50	150
96	43	158
113	43	146
120	39	168
	97 96 113	% Recovery: Limit: 49 32 30 10 97 50 96 43 113 43

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
_		-	
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylpheno	1 < 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.22 lc
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094	~	

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

< 0.0042

Client Sample ID:	EMW-8S-100313	Client:
Date Received:	10/03/13	Project:
Date Extracted:	10/07/13	Lab ID:
Date Analyzed:	10/08/13	Data Fi
Matrix:	Water	Instrum
Units:	ug/L (ppb)	Operato

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	310077-01
Data File:	100820.D
Instrument:	GCMS6
Operator:	VM

Upper Limit: 150

129

Lower

Surrogates: Anthracene-d10 Benzo(a)anthracene-d12	% Recovery: 118 128	Limit: 50 50
Compounds:	Concentration ug/L (ppb)	
Naphthalene	< 0.004	
Acenaphthylene	< 0.0024	
Acenaphthene	< 0.0038	
Fluorene	0.017	
Phenanthrene	< 0.0066	
Anthracene	0.020	
Fluoranthene	0.031	
Pyrene	0.036	

Benz(a)anthracene

ENVIRONMENTAL CHEMISTS

Operator:

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: CMW-4-100313
Date Received: 10/03/13
Date Extracted: 10/07/13
Date Analyzed: 10/08/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 310077-02
Data File: 100821.D
Instrument: GCMS6

VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	112	50	150
Benzo(a)anthracene-d12	116	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	0.050
Acenaphthylene	< 0.0024
Acenaphthene	0.013
Fluorene	0.0071
Phenanthrene	0.027
Anthracene	0.0094
Fluoranthene	0.012
Pyrene	0.011
Benz(a)anthracene	0.0067
Chrysene	0.0055
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	0.0070
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-57S-100313	Client:	SLR International Corp.
Date Received:	10/03/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	310077-03
Date Analyzed:	10/09/13	Data File:	100907.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	121	50	150
Benzo(a)anthracene-d12	138 ip	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	< 0.004
Acenaphthylene	< 0.0024
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	0.0033
Fluoranthene	< 0.0046
Pyrene	< 0.0036
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

SLR International Corp. Crowley 101.00205.00030

310077-04 100908.D

GCMS6 VM

Client Sample ID:	EMW-2S-100313	Client:
±		
Date Received:	10/03/13	Project:
Date Extracted:	10/07/13	Lab ID:
Date Analyzed:	10/09/13	Data File:
Matrix:	Water	Instrument:
Units:	ug/L (ppb)	Operator:

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	129	50	150
Benzo(a)anthracene-d12	146 ip	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	< 0.004
Acenaphthylene	< 0.0024
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	0.0033
Fluoranthene	< 0.0046
Pyrene	< 0.0036
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received:	SLR-1-100313 10/03/13	Client: Project:	SLR International Corp. Crowley 101.00205.00030
Date Extracted:	10/03/13	Lab ID:	310077-05
Date Analyzed:	10/09/13	Data File:	100909.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	121	50	150
Benzo(a)anthracene-d12	135 ip	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	0.0044
Acenaphthylene	< 0.0024
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	0.0048
Fluoranthene	< 0.0046
Pyrene	< 0.0036
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-12S-100313	Client:	SLR International Corp.
Date Received:	10/03/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	310077-06
Date Analyzed:	10/09/13	Data File:	100910.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	122	50	150
Benzo(a)anthracene-d12	133 ip	50	129

	Concentration
	Concentration
Compounds:	ug/L (ppb)
Naphthalene	< 0.004
Acenaphthylene	< 0.0024
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	< 0.0028
Fluoranthene	< 0.0046
Pyrene	< 0.0036
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)pervlene	< 0.0044

ENVIRONMENTAL CHEMISTS

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	310077-07
Data File:	100911.D
Instrument:	GCMS6
Operator:	VM

Surrogates: Anthracene-d10 Benzo(a)anthracene-d12	% Recovery: 87 90	Lower Limit: 50 50	Upper Limit: 150 129
Compounds:	Concentration ug/L (ppb)		

Compounds:	ug/L (ppb)
Naphthalene	0.017
Acenaphthylene	< 0.0024
Acenaphthene	0.013
Fluorene	0.018
Phenanthrene	0.022
Anthracene	0.0056
Fluoranthene	0.0092
Pyrene	0.013
Benz(a)anthracene	< 0.0042
Chrysene	0.0079
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Client Sample ID:	Method Blank	Client:	SLR International Corp.
Date Received:	N/A	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	03-1984 mb
Date Analyzed:	10/08/13	Data File:	100811.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	VM

		rower.	Opper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	119	50	150
Benzo(a)anthracene-d12	131 vo	50	129

Anthracene-d10 Benzo(a)anthracene-d12	119 131 vo	50 50	150 129
Denzo(a)anun acene-u12	131 V0	30	129
	Concentration		
Compounds:	ug/L (ppb)		
Naphthalene	< 0.004		
Acenaphthylene	< 0.0024		
Acenaphthene	< 0.0038		
Fluorene	< 0.004		
Phenanthrene	< 0.0066		
Anthracene	< 0.0028		
Fluoranthene	< 0.0046		
Pyrene	< 0.0036		
Benz(a)anthracene	< 0.0042		
Chrysene	< 0.0038		
Benzo(a)pyrene	< 0.0078		
Benzo(b)fluoranthene	< 0.0052		
Benzo(k)fluoranthene	< 0.0076		
Indeno(1,2,3-cd)pyrene	< 0.007		
Dibenz(a,h)anthracene	< 0.004		
Benzo(g,h,i)perylene	< 0.0044		

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID: EMW-8S-100313
Date Received: 10/03/13
Date Extracted: 10/08/13
Date Analyzed: 10/17/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 310077-01 1/0.25
Data File: 101642.D\ECD1A.CH
Instrument: GC7
Operator: MCP

Surrogates: % Recovery: Limit: Limit: TCMX 79 50 150

Concentration Compounds: ug/L (ppb) Aroclor 1221 < 0.01 jAroclor 1232 <0.01 jAroclor 1016 < 0.01 jAroclor 1242 < 0.01 jAroclor 1248 <0.01 jAroclor 1254 <0.01 jAroclor 1260 <0.01 j

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	CMW-4-100313
Date Received:	10/03/13
Date Extracted:	10/08/13
Date Analyzed:	10/17/13
Matrix:	Water
Units:	ug/L (ppb)

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Upper Limit: 150

Lower Limit: 50

Surrogates:	% Recovery:
TCMX	87
Compounds:	Concentration ug/L (ppb)
Aroclor 1221	<0.01 j
Aroclor 1232	<0.01 j
Aroclor 1016	<0.01 j
Aroclor 1242	<0.01 j
Aroclor 1248	<0.01 j
Aroclor 1254	<0.01 j
Aroclor 1260	<0.01 j

ENVIRONMENTAL CHEMISTS

Client:

Project:

Analysis For PCBs By EPA Method 8082A

Client Sample ID: EMW-57S-100313
Date Received: 10/03/13
Date Extracted: 10/08/13
Date Analyzed: 10/17/13
Matrix: Water
Units: ug/L (ppb)

Lab ID: 310077-03 1/0.25

Data File: 101646.D\ECD1A.CH
Instrument: GC7
Operator: MCP

SLR International Corp.

Crowley 101.00205.00030

Surrogates: % Recovery: Limit: Limit: TCMX 95 50 150

Concentration Compounds: ug/L (ppb) Aroclor 1221 <0.01 jAroclor 1232 <0.01 j Aroclor 1016 < 0.01 jAroclor 1242 <0.01 j Aroclor 1248 <0.01 j Aroclor 1254 <0.01 j Aroclor 1260 < 0.01 j

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID: EMW-2S-100313
Date Received: 10/03/13
Date Extracted: 10/08/13
Date Analyzed: 10/17/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 310077-04 1/0.25
Data File: 101648.D\ECD1A.CH
Instrument: GC7
Operator: MCP

Surrogates: % Recovery: Limit: Limit: TCMX 97 50 150

Concentration ug/L (ppb) Compounds: Aroclor 1221 <0.01 jAroclor 1232 <0.01 j Aroclor 1016 < 0.01 jAroclor 1242 <0.01 j Aroclor 1248 <0.01 jAroclor 1254 <0.01 j Aroclor 1260 < 0.01 j

ENVIRONMENTAL CHEMISTS

SLR International Corp. Crowley 101.00205.00030

310077-05 1/0.25 101650.D\ECD1A.CH

GC7 MCP

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	SLR-1-100313	Client:
Date Received:	10/03/13	Project:
Date Extracted:	10/08/13	Lab ID:
Date Analyzed:	10/17/13	Data File:
Matrix:	Water	Instrument:
Units:	ug/L (ppb)	Operator:

Surrogates: TCMX	% Recovery: 79	Lower Limit: 50	Upper Limit: 150
	Concontration		

Compounds:	Concentration ug/L (ppb)
Aroclor 1221	<0.01 j
Aroclor 1232	<0.01 j
Aroclor 1016	<0.01 j
Aroclor 1242	<0.01 j
Aroclor 1248	<0.01 j
Aroclor 1254	<0.01 j
Aroclor 1260	<0.01 j

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID: EMW-12S-100313 Date Received: 10/03/13 Date Extracted: 10/08/13 Date Analyzed: 10/17/13 Matrix: Water Units:

ug/L (ppb)

% Recovery:

88

< 0.01 j

Client: SLR International Corp. Project: Crowley 101.00205.00030 Lab ID: 310077-06 1/0.25 Data File: 101656.D\ECD1A.CH

Upper

Limit:

150

Instrument: GC7 **MCP** Operator:

Lower

Limit:

50

Surrogates: TCMX Concentration Compounds: ug/L (ppb) Aroclor 1221 <0.01 j Aroclor 1232 < 0.01 jAroclor 1016 < 0.01 jAroclor 1242 < 0.01 jAroclor 1248 < 0.01 jAroclor 1254 < 0.01 j

Aroclor 1260

ENVIRONMENTAL CHEMISTS

% Recovery: 57

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	SLR-3-100313
Date Received:	10/03/13
Date Extracted:	10/08/13
Date Analyzed:	10/17/13
Matrix:	Water
Units:	ug/L (ppb)

Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. Crowley 101.00205.00030 310077-07 1/0.25 101658.D\ECD1A.CH GC7 MCP
Lower	Upper
Limit:	Limit:
50	150

Compounds:	Concentration ug/L (ppb)
Aroclor 1221	<0.01 j
Aroclor 1232	<0.01 j
Aroclor 1016	<0.01 j
Aroclor 1242	<0.01 j
Aroclor 1248	<0.01 j
Aroclor 1254	<0.01 j
Aroclor 1260	<0.01 j

Surrogates: TCMX

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
TCMX	99	50	150

Compounds:	Concentration ug/L (ppb)
Aroclor 1221	<0.01 j
Aroclor 1232	<0.01 j
Aroclor 1016	<0.01 j
Aroclor 1242	<0.01 j
Aroclor 1248	<0.01 j
Aroclor 1254	<0.01 j
Aroclor 1260	<0.01 j

ENVIRONMENTAL CHEMISTS

EMW-8S-100313 10/03/13 10/15/13 10/28/13 Water
ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	310077-01
Data File:	310077-01.063
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	83	60	125
Indium	74	60	125
Holmium	71	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	2.00
Nickel	1.36
Copper	0.472
Zinc	1.85
Arsenic	36.5 ip
Selenium	0.836 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	0.173
Barium	39.5
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

· ·	v		
Client ID:	CMW-4-100313	Client:	SLR International Corp.
Date Received:	10/03/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/15/13	Lab ID:	310077-02
Date Analyzed:	10/28/13	Data File:	310077-02.064
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP
		_	~ ~

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	55 vo	60	125
Indium	48 vo	60	125
Holmium	53 vo	60	125

Holmium	53 vo
Analyte:	Concentration ug/L (ppb)
Cadmium Thallium Lead	<0.0940 J <0.0740 J 0.252 J

ENVIRONMENTAL CHEMISTS

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	CMW-4-100313 10/03/13 10/15/13 10/28/13 Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	310077-02 x10
Data File:	310077-02 x10.066
Instrument:	ICPMS1
Operator:	AP

		Lower	Opper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	77	60	125
Indium	78	60	125
Holmium	75	60	125
	Concentration		

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	1.78
Nickel	9.15
Copper	7.27
Zinc	11.7
Arsenic	225 ip
Selenium	89.8 ip
Silver	< 0.640
Cadmium	< 0.940
Antimony	25.5
Barium	381
Thallium	< 0.740
Lead	<1.44

ENVIRONMENTAL CHEMISTS

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	87	60	125
Indium	79	60	125
Holmium	75	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	0.962
Nickel	2.68
Copper	1.55
Zinc	1.66
Arsenic	1.69 ip
Selenium	0.857 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	< 0.0520
Barium	7.32
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	86	60	125
Indium	78	60	125
Holmium	75	60	125

	Concentration
Analyte:	ug/L (ppb)
Beryllium	< 0.0980
Chromium	0.883
Nickel	0.734
Copper	0.403
Zinc	< 0.600
Arsenic	2.03 ip
Selenium	0.810 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	< 0.0520
Barium	7.44
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: SLR-1-100313
Date Received: 10/03/13
Date Extracted: 10/15/13
Date Analyzed: 10/28/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 310077-05
Data File: 310077-05.057
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	94	60	125
Indium	77	60	125
Holmium	76	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 1.91 Nickel 1.36 Copper 0.598< 0.600 Zinc Arsenic 3.16 ip Selenium 0.834 ip Silver < 0.0640 Cadmium < 0.0940 Antimony 0.137 Barium 23.4 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: EMW-12S-100313

Date Received: 10/03/13

Date Extracted: 10/15/13

Date Analyzed: 10/28/13

Matrix: Water

Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 310077-06
Data File: 310077-06.059
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	81	60	125
Indium	78	60	125
Holmium	76	60	125

Concentration Analyte: ug/L (ppb) Beryllium <0.0980 Chromium 0.182 Nickel 2.77 Copper 1.60 Zinc 0.915 Arsenic 1.10 ip Selenium 0.891 ip Silver < 0.0640 Cadmium < 0.0940 Antimony 0.531 Barium 9.61 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix:	SLR-3-100313 10/03/13 10/15/13 10/28/13 Water
Matrix: Units:	water ug/L (ppb)

SLR International Corp.
Crowley 101.00205.00030 310077-07
310077-07.062
ICPMS1 AP

	Lower	Upper
% Recovery:	Limit:	Limit:
118	60	125
75	60	125
79	60	125
	118 75	% Recovery: Limit: 118 60 75 60

Analyte:	Concentration ug/L (ppb)
Beryllium	0.195
Chromium	27.6
Nickel	3.60
Copper	3.68
Zinc	3.89
Arsenic	29.4 ip
Selenium	6.47 ip
Silver	0.348
Cadmium	2.48
Antimony	0.739
Barium	104
Thallium	< 0.0740
Lead	0.645

ENVIRONMENTAL CHEMISTS

Client ID:	Method Blank
Date Received:	N/A
Date Extracted:	10/15/13
Date Analyzed:	10/25/13
Matrix:	Water
Units:	ug/L (ppb)

Lab ID: I3-683 mb Data File: I3-683 mb.043 Instrument: ICPMS1 Operator: AP
--

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	83	60	125
Indium	86	60	125
Holmium	. 89	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	< 0.138
Nickel	< 0.460
Copper	< 0.340
Zinc	< 0.600
Arsenic	<1.00
Selenium	< 0.560
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	< 0.0520
Barium	< 0.260
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Method Blank
Date Received: N/A
Date Extracted: 10/15/13
Date Analyzed: 10/28/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: I3-683 mb
Data File: I3-683 mb.013
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	101	60	125
Indium	98	60	125
Holmium	96	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium < 0.138 Nickel < 0.460 Copper < 0.340 Zinc < 0.600 Arsenic < 1.00 Selenium < 0.560 Silver < 0.0640 Cadmium < 0.0940 Antimony < 0.0520 Barium < 0.260 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	81	60	125
Indium	84	60	125
Holmium	90	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	2.22
Nickel	1.54
Zinc	8.14
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	0.145
Barium	38.8
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Client ID:	CMW-4-100313	Client:	SLR International Corp.
Date Received:	10/03/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/14/13	Lab ID:	310077-02
Date Analyzed:	10/14/13	Data File:	310077-02.083
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP
		T	T T

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	54 vo	60	125
Indium	54 vo	60	125
Holmium	54 vo	60	125

Tiomitam	01.40
Analyte:	Concentration ug/L (ppb)
Cadmium Thallium Lead	<0.0940 J <0.0740 J <0.144 J

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

CMW-4-100313 10/03/13 10/14/13 10/14/13 Water
water ug/L (ppb)

Internal Standard:

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	310077-02 x10
Data File:	310077-02 x10.057
Instrument:	ICPMS1
Operator:	AP

Lower

Limit:

Upper

Limit:

125 125 125

Germanium	82	60
Indium	82	60
Holmium	85	60
Analyte:	Concentration ug/L (ppb)	
Beryllium	< 0.980	
Chromium	2.14	
371 1 1	0.05	

% Recovery:

ENVIRONMENTAL CHEMISTS

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	89	60	125
Indium	93	60	125
Holmium	99	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.26
Nickel	0.765
Zinc	2.95
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	0.0700
Barium	7.24
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	310077-04
Data File:	310077-04.076
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	86	60	125
Indium	88	60	125
Holmium	95	60	125
	0		

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.06
Nickel	0.717
Zinc	2.29
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	< 0.0520
Barium	7.38
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	95	60	125
Indium	90	60	125
Holmium	97	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.92
Nickel	1.37
Zinc	1.27
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	0.112
Barium	23.0
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix:	EMW-12S-100313 10/03/13 10/14/13 10/14/13 Water
Units:	ug/L (ppb)
Omes.	ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	310077-06
Data File:	310077-06.078
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	81	60	125
Indium	88	60	125
Holmium	95	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	0.413
Nickel	2.87
Zinc	2.03
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	0.601
Barium	9.98
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Client ID:	SLR-3-100313	Client:	SLR International Corp.
Date Received:	10/03/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/14/13	Lab ID:	310077-07
Date Analyzed:	10/14/13	Data File:	310077-07.079
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP
	•	- T	T T

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	116	60	125
Indium	83	60	125
Holmium	89	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	0.108
Chromium	27.0
Nickel	3.23
Zinc	4.86
Silver	0.347
Cadmium	2.19
Antimony	0.695
Barium	97.7
Thallium	< 0.0740
Lead	0.559

ENVIRONMENTAL CHEMISTS

Client ID:	Method Blank
Date Received:	N/A
Date Extracted:	10/14/13
Date Analyzed:	10/14/13
Matrix:	Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	I3-677 mb
Data File:	I3-677 mb.043
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	87	60	125
Indium	98	60	125
Holmium	108	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	< 0.138
Nickel	< 0.460
Zinc	< 0.600
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	< 0.0520
Barium	< 0.260
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/03/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310077

Date Extracted: 10/09/13 Date Analyzed: 10/10/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	<u>Total Mercury</u>
EMW-8S-100313 310077-01	< 0.0015
CMW-4-100313 310077-02	0.0024
EMW-57S-100313 310077-03	< 0.0015
EMW-2S-100313 310077-04	<0.0015
SLR-1-100313 310077-05	<0.0015
EMW-12S-100313 310077-06	<0.0015
SLR-3-100313 310077-07	0.0040
Method Blank	< 0.0015

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/03/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310077

Date Extracted: 10/09/13 Date Analyzed: 10/10/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED MERCURY USING EPA METHOD 1631E

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	<u>Dissolved Mercury</u>
EMW-8S-100313 310077-01	< 0.0015
CMW-4-100313 310077-02	0.0022
EMW-57S-100313 310077-03	< 0.0015
EMW-2S-100313 310077-04	< 0.0015
SLR-1-100313 310077-05	< 0.0015
EMW-12S-100313 310077-06	< 0.0015
SLR-3-100313 310077-07	0.0037
Method Blank	< 0.0015

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/03/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310077

Date Extracted: NA Date Analyzed: 10/08/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL SUSPENDED SOLIDS BY METHOD 2540D

Results Reported as mg/L (ppm)

Sample ID Laboratory ID	Total Suspended <u>Solids</u>
EMW-8S-100313 310077-01	<9.7
CMW-4-100313 310077-02	13
EMW-57S-100313 310077-03	<9.7
EMW-2S-100313 310077-04	11
SLR-1-100313 310077-05	<9.7
EMW-12S-100313 310077-06	<9.7
SLR-3-100313 310077-07	<9.7
Method Blank	<9.7

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/03/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310077

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 310050-07 (Duplicate)

J T T T T	Reporting	,	Duplicate	RPD
Analyte	Ûnits	Sample Result	Result	(Limit 20)
Gasoline	ug/L (ppb)	<12	<12	nm

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Gasoline	ug/L (ppb)	1,000	100	69-134

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/03/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310077

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample Silica Gel

			Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Diesel Extended	ug/L (ppb)	500	67	75	58-134	11

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/03/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310077

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 310077-01 (Matrix Spike)

	Percent				
	Reporting	Spike	Sample	Recovery	Acceptance
Analyte	Units	Level	Result	MS	Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	< 0.16	102	55-144
Chloromethane	ug/L (ppb)	50	<0.22	101	67-131
Vinyl chloride	ug/L (ppb)	50	<0.13	100	61-139
Bromomethane Chloroethane	ug/L (ppb)	50 50	<0.2 <0.18	222 vo 100	66-129 68-126
Trichlorofluoromethane	ug/L (ppb) ug/L (ppb)	50	<0.18	103	71-128
Acetone	ug/L (ppb)	250	<2.6	84	48-149
1.1-Dichloroethene	ug/L (ppb)	50	< 0.19	101	71-123
Methylene chloride	ug/L (ppb)	50	<3	109	61-126
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	< 0.13	99	68-125
trans-1,2-Dichloroethene	ug/L (ppb)	50	< 0.24	100	72-122
1,1-Dichloroethane	ug/L (ppb)	50	<0.18	102	79-113
2,2-Dichloropropane	ug/L (ppb)	50	<0.3	101 97	58-132
cis-1,2-Dichloroethene Chloroform	ug/L (ppb) ug/L (ppb)	50 50	<0.24 <0.24	101	73-119 80-112
2-Butanone (MEK)	ug/L (ppb)	250	< 0.94	94	69-123
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	< 0.11	103	78-113
1,1,1-Trichloroethane	ug/L (ppb)	50	< 0.2	103	79-116
1,1-Dichloropropene	ug/L (ppb)	50	< 0.26	103	67-121
Carbon tetrachloride	ug/L (ppb)	50	< 0.24	110	72-123
Benzene	ug/L (ppb)	50	<0.13	99	79-109
Trichloroethene 1.2-Dichloropropane	ug/L (ppb)	50 50	<0.17 <0.32	98 105	75-109 80-111
Bromodichloromethane	ug/L (ppb) ug/L (ppb)	50	< 0.38	109	78-117
Dibromomethane	ug/L (ppb)	50	<0.28	105	80-112
4-Methyl-2-pentanone	ug/L (ppb)	250	<1.3	117	79-123
cis-1,3-Dichloropropene	ug/L (ppb)	50	< 0.2	112	76-120
Toluene	ug/L (ppb)	50	<0.13	99	73-117
trans-1,3-Dichloropropene	ug/L (ppb)	50	<0.34	114	75-122
1,1,2-Trichloroethane 2-Hexanone	ug/L (ppb) ug/L (ppb)	50 250	<0.28 <1	110 109	81-111 75-126
1,3-Dichloropropane	ug/L (ppb)	50	<0.2	106	81-111
Tetrachloroethene	ug/L (ppb)	50	< 0.28	104	72-113
Dibromochloromethane	ug/L (ppb)	50	< 0.24	116	69-129
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	< 0.24	108	83-114
Chlorobenzene	ug/L (ppb)	50	<0.1	99	75-115
Ethylbenzene 1,1,1,2-Tetrachloroethane	ug/L (ppb) ug/L (ppb)	50 50	<0.16 <0.32	103 108	71-120 78-122
m.p-Xylene	ug/L (ppb)	100	< 0.52	103	63-128
o-Xylene	ug/L (ppb)	50	< 0.22	104	64-129
Styrene	ug/L (ppb)	50	< 0.22	107	70-122
Isopropylbenzene	ug/L (ppb)	50	< 0.15	103	76-118
Bromoform	ug/L (ppb)	50	<0.22	118	49-138
n-Propylbenzene	ug/L (ppb)	50 50	<0.14 <0.18	105 103	74-117 70-121
Bromobenzene 1,3,5-Trimethylbenzene	ug/L (ppb) ug/L (ppb)	50	<0.18	105	81-112
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	<0.24	107	79-120
1,2,3-Trichloropropane	ug/L (ppb)	50	< 0.28	103	72-119
2-Chlorotoluene	ug/L (ppb)	50	< 0.13	103	77-114
4-Chlorotoluene	ug/L (ppb)	50	< 0.16	102	81-109
tert-Butylbenzene	ug/L (ppb)	50 50	<0.15 <0.11	106 104	81-116 74-118
1,2,4-Trimethylbenzene sec-Butylbenzene	ug/L (ppb) ug/L (ppb)	50 50	<0.11	104	77-118
p-Isopropyltoluene	ug/L (ppb)	50	< 0.15	103	64-132
1,3-Dichlorobenzene	ug/L (ppb)	50	< 0.15	98	81-111
1,4-Dichlorobenzene	ug/L (ppb)	50	<0.094 j	94	78-110
1,2-Dichlorobenzene	ug/L (ppb)	50	< 0.13	97	81-111
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	< 0.44	108	69-129
1,2,4-Trichlorobenzene Hexachlorobutadiene	ug/L (ppb) ug/L (ppb)	50 50	<0.34 <0.46	98 94	74-115 67-120
Naphthalene	ug/L (ppb)	50	<0.46	105	63-136
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<0.38	97	79-115
	0 41 /				

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/03/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310077

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

			Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	93	93	54-149	0
Chloromethane	ug/L (ppb)	50	91	92	67-133	1
Vinyl chloride	ug/L (ppb)	50	90	91	73-132	1
Bromomethane Chloroethane	ug/L (ppb)	50 50	212 vo 90	227 vo 94	69-123	7 4
Trichlorofluoromethane	ug/L (ppb) ug/L (ppb)	50 50	93	94 94	68-126 70-132	1
Acetone	ug/L (ppb)	250	93	93	44-145	0
1.1-Dichloroethene	ug/L (ppb)	50	90	91	75-119	1
Methylene chloride	ug/L (ppb)	50	95	96	63-132	1
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	90	91	70-122	1
trans-1,2-Dichloroethene	ug/L (ppb)	50	89	89	76-118	0
1,1-Dichloroethane	ug/L (ppb)	50	92	92	80-116	0
2,2-Dichloropropane	ug/L (ppb)	50	96	98	62-141	2
cis-1,2-Dichloroethene	ug/L (ppb)	50 50	87 90	86 91	81-111	1 1
Chloroform 2-Butanone (MEK)	ug/L (ppb) ug/L (ppb)	250	90 92	90	81-109 53-140	2
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	92	91	79-109	1
1,1,1-Trichloroethane	ug/L (ppb)	50	93	94	80-116	1
1,1-Dichloropropene	ug/L (ppb)	50	94	92	78-112	2
Carbon tetrachloride	ug/L (ppb)	50	100	100	72-128	0
Benzene	ug/L (ppb)	50	89	87	81-108	2
Trichloroethene	ug/L (ppb)	50	88	88	77-108	0
1,2-Dichloropropane	ug/L (ppb)	50	93	92	82-109	1
Bromodichloromethane Dibromomethane	ug/L (ppb)	50 50	98 92	96 91	76-120 80-110	2 1
4-Methyl-2-pentanone	ug/L (ppb) ug/L (ppb)	250	106	102	59-142	4
cis-1,3-Dichloropropene	ug/L (ppb)	50	104	101	76-128	3
Toluene	ug/L (ppb)	50	87	88	83-108	1
trans-1,3-Dichloropropene	ug/L (ppb)	50	106	103	76-128	3
1,1,2-Trichloroethane	ug/L (ppb)	50	96	96	82-110	0
2-Hexanone	ug/L (ppb)	250	100	98	53-145	2
1,3-Dichloropropane Tetrachloroethene	ug/L (ppb)	50 50	93 92	92 92	83-110 78-109	1
Dibromochloromethane	ug/L (ppb) ug/L (ppb)	50	103	102	63-140	1
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	96	95	85-113	1
Chlorobenzene	ug/L (ppb)	50	87	87	84-108	Ô
Ethylbenzene	ug/L (ppb)	50	91	91	84-110	0
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	96	99	76-125	3
m,p-Xylene	ug/L (ppb)	100	90	91	84-112	1
o-Xylene	ug/L (ppb)	50 50	91 93	92 93	82-113 84-116	1
Styrene Isopropylbenzene	ug/L (ppb) ug/L (ppb)	50 50	93 89	93 92	84-116 81-122	3
Bromoform	ug/L (ppb)	50	104	107	40-161	3
n-Propylbenzene	ug/L (ppb)	50	93	92	81-115	1
Bromobenzene	ug/L (ppb)	50	92	91	80-113	1
1,3,5-Trimethylbenzene	ug/L (ppb)	50	93	93	83-117	0
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	95	92	79-118	3
1,2,3-Trichloropropane	ug/L (ppb)	50	92	90	74-116	2
2-Chlorotoluene 4-Chlorotoluene	ug/L (ppb)	50 50	91 92	90 90	79-112 81-113	1 2
tert-Butylbenzene	ug/L (ppb) ug/L (ppb)	50 50	92 94	90 95	81-119	1
1,2,4-Trimethylbenzene	ug/L (ppb)	50	92	91	83-116	1
sec-Butylbenzene	ug/L (ppb)	50 -	94	94	83-116	Ō
p-Isopropyltoluene	ug/L (ppb)	50	91	91	82-119	0
1,3-Dichlorobenzene	ug/L (ppb)	50	87	86	83-111	1
1,4-Dichlorobenzene	ug/L (ppb)	50	83	82	82-109	1
1,2-Dichlorobenzene	ug/L (ppb)	50	87	87	83-111	0 2
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50 50	98 88	100 89	62-133 77-117	2 1
1,2,4-Trichlorobenzene Hexachlorobutadiene	ug/L (ppb) ug/L (ppb)	50 50	84	89 87	74-117 74-118	4
Naphthalene	ug/L (ppb)	50 50	93	95	75-131	2
1,2,3-Trichlorobenzene	ug/L (ppb)	50	87	88	82-115	1
	0 11 ,					

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/03/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310077

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270D

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Phenol	ug/L (ppb)	10	32	37	18-52	14
Bis(2-chloroethyl) ether	ug/L (ppb)	10	85	93	52-113	9
2-Chlorophenol	ug/L (ppb)	10	86	95	50-110	10
1,3-Dichlorobenzene	ug/L (ppb)	10	83	85	45-109	2
1,4-Dichlorobenzene	ug/L (ppb)	10	84	85	44-118	1
1,2-Dichlorobenzene	ug/L (ppb)	10	86	87	46-116	1
Benzyl alcohol	ug/L (ppb)	10	75	82	42-100	9
Bis(2-chloroisopropyl) ether	ug/L (ppb)	10	92	97	51-124	5
2-Methylphenol	ug/L (ppb)	10	77	85	38-100	10
Hexachloroethane	ug/L (ppb)	10	82	84	42-117	2
N-Nitroso-di-n-propylamine	ug/L (ppb)	10	92	102	48-124	10
3-Methylphenol + 4-Methylphenol	ug/L (ppb)	10	72	78	48-87	8
Nitrobenzene	ug/L (ppb)	10	86	92	50-118	7
Isophorone	ug/L (ppb)	10	99	105	55-116	6
2-Nitrophenol	ug/L (ppb)	10	98	107	42-127	9
2,4-Dimethylphenol	ug/L (ppb)	10	76	76	45-100	0
Benzoic acid	ug/L (ppb)	65	19	23	10-46	19
Bis(2-chloroethoxy)methane	ug/L (ppb)	10	93	100	55-115	7
2,4-Dichlorophenol	ug/L (ppb)	10	97	105	55-113	8
1,2,4-Trichlorobenzene	ug/L (ppb)	10	84	85	50-109	1
Hexachlorobutadiene	ug/L (ppb)	10	81	82	50-109	1
4-Chloroaniline	ug/L (ppb)	20	93	91	30-109	2
4-Chloro-3-methylphenol	ug/L (ppb)	10	. 98	106	54-114	8
2-Methylnaphthalene	ug/L (ppb)	10	90	95	53-113	5
Hexachlorocyclopentadiene	ug/L (ppb)	10	64	69	26-94	8
2,4,6-Trichlorophenol	ug/L (ppb)	10	93	100	46-114	7
2,4,5-Trichlorophenol	ug/L (ppb)	10	99	106	57-122	7
2-Chloronaphthalene	ug/L (ppb)	10	84	91	52-112	8
2-Nitroaniline	ug/L (ppb)	10	106	111	47-128	5
Dimethyl phthalate	ug/L (ppb)	10	102	106	55-116	4
2,6-Dinitrotoluene	ug/L (ppb)	10	110	115	49-126	4
3-Nitroaniline	ug/L (ppb)	20	103	104	21-125	1
2,4-Dinitrophenol	ug/L (ppb)	10	98	109	29-130	11
Dibenzofuran	ug/L (ppb)	10	92	97	53-113	5
2,4-Dinitrotoluene	ug/L (ppb)	10	112	117	48-129	4
4-Nitrophenol	ug/L (ppb)	10	39	44	12-59	12
Diethyl phthalate	ug/L (ppb)	10	104	106	55-116	2
4-Chlorophenyl phenyl ether	ug/L (ppb)	10	93	97	52-115	4
N-Nitrosodiphenylamine	ug/L (ppb)	10	94	100	51-112	6
4-Nitroaniline	ug/L (ppb)	20	97	102	42-115	5
4,6-Dinitro-2-methylphenol	ug/L (ppb)	10	100	109	40-128	9
4-Bromophenyl phenyl ether	ug/L (ppb)	10	92	98	53-114	6
Hexachlorobenzene	ug/L (ppb)	10	91	95	54-115	4
Pentachlorophenol	ug/L (ppb)	10	95	106	49-114	11
Carbazole	ug/L (ppb)	10	97	102	54-115	5
Di-n-butyl phthalate	ug/L (ppb)	10	103	109	54-115	6
Benzyl butyl phthalate	ug/L (ppb)	10	110	117	53-122	6
Bis(2-ethylhexyl) phthalate	ug/L (ppb)	10	111	122	54-122	9
Di-n-octyl phthalate	ug/L (ppb)	10	112	122	50-131	9

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/03/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310077

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR PNA'S BY EPA METHOD 8270D SIM

			Percent	Percent		
	Reporting	Spike	Recovery LCS	Recovery	Acceptance	RPD
Analyte	Units	Level		LCSD	Criteria	(Limit 20)
Naphthalene	ug/L (ppb)	1	81	85	67-116	5
Acenaphthylene	ug/L (ppb)	1	83	88	65-119	6
Acenaphthene	ug/L (ppb)	1	80	86	66-118	7
Fluorene	ug/L (ppb)	1	85	91	64-125	7
Phenanthrene	ug/L (ppb)	1	81	87	67-120	7
Anthracene	ug/L (ppb)	1	81	88	65-122	8
Fluoranthene	ug/L (ppb)	1	81	90	65-127	11
Pyrene	ug/L (ppb)	1	85	90	62-130	6
Benz(a)anthracene	ug/L (ppb)	1	79	86	60-118	8
Chrysene	ug/L (ppb)	1	83	91	66-125	9
Benzo(b)fluoranthene	ug/L (ppb)	1	77	93	55-135	19
Benzo(k)fluoranthene	ug/L (ppb)	1	81	88	62-125	8
Benzo(a)pyrene	ug/L (ppb)	1	78	87	58-127	11
Indeno(1,2,3-cd)pyrene	ug/L (ppb)	1	78	83	36-142	6
Dibenz(a,h)anthracene	ug/L (ppb)	1	71	80	37-133	12
Benzo(g,h,i)perylene	ug/L (ppb)	1	72	82	34-135	13

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/03/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310077

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

-	•	-	Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Aroclor 1016	ug/L (ppb)	0.63	96	112	70-130	15
Aroclor 1260	ug/L (ppb)	0.63	92	100	70-130	8

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/03/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310077

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 310050-01 1/10 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
_Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Beryllium	ug/L (ppb)	5	< 0.980	144	155 vo	67-145	7
Chromium	ug/L (ppb)	20	<1.38	104	106	64-132	2
Nickel	ug/L (ppb)	20	7.90	90 b	92 b	61-128	2 b
Copper	ug/L (ppb)	20	4.20	83 b	86 b	63-124	4 b
Zinc	ug/L (ppb)	50	< 6.00	81	82	55-141	1
Arsenic	ug/L (ppb)	10	41.0	121 b	119 b	60-150	2 b
Selenium	ug/L (ppb)	5	130	150 b	181 b	43-178	19 b
Silver	ug/L (ppb)	5	< 0.640	69 vo	70 vo	71-115	1
Cadmium	ug/L (ppb)	5	< 0.940	100	76 vo	83-116	27 vo
Antimony	ug/L (ppb)	20	< 0.520	97	99	62-125	2
Barium	ug/L (ppb)	50	256	103 b	113 b	79-126	9 b
Thallium	ug/L (ppb)	5	< 0.740	76	79	73-119	4
Lead	ug/L (ppb)	10	< 1.44	79	81	79-121	2

		Percent					
	Reporting	Spike	Recovery	Acceptance			
Analyte	Units	Level	LCS	Criteria			
Beryllium	ug/L (ppb)	5	104	73-135			
Chromium	ug/L (ppb)	20	92	80-119			
Nickel	ug/L (ppb)	20	93	79-122			
Copper	ug/L (ppb)	20	119	81-119			
Zinc	ug/L (ppb)	50	93	76-124			
Arsenic	ug/L (ppb)	10	86	80-111			
Selenium	ug/L (ppb)	5	92	81-119			
Silver	ug/L (ppb)	5	84	80-116			
Cadmium	ug/L (ppb)	5	96	83-113			
Antimony	ug/L (ppb)	20	81	79-108			
Barium	ug/L (ppb)	50	98	83-117			
Thallium	ug/L (ppb)	5	102	78-116			
Lead	ug/L (ppb)	10	98	83-115			

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/03/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310077

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED METALS USING EPA METHOD 200.8

	D	0.4	Percent	Percent		DDD
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Beryllium	ug/L (ppb)	5	111	110	73-135	1
Chromium	ug/L (ppb)	20	105	105	80-119	0
Nickel	ug/L (ppb)	20	103	102	79-122	1
Zinc	ug/L (ppb)	50	99	99	76-124	0
Silver	ug/L (ppb)	5	82	82	80-116	0
Cadmium	ug/L (ppb)	5	98	98	83-113	0
Antimony	ug/L (ppb)	20	91	93	79-108	2
Barium	ug/L (ppb)	50	100	98	83-117	2
Thallium	ug/L (ppb)	5	99	97	78-116	2
Lead	ug/L (ppb)	10	98	96	83-115	2

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/03/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310077

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Laboratory Code: 310077-01 (Matrix Spike)

•		_		Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Mercury	ug/L (ppb)	0.01	< 0.0015	92	96	63-132	4

		Percent		
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Mercury	ug/L (ppb)	0.01	101	78-118

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/03/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310077

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED MERCURY USING EPA METHOD 1631E

3	J	1	Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Mercury	ug/L (ppb)	0.01	97	98	78-118	1

ENVIRONMENTAL CHEMISTS

Date of Report: 11/06/13 Date Received: 10/03/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 310077

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL SUSPENDED SOLIDS BY METHOD 2540D

Laboratory Code: 310077-02 (Duplicate)

			Relative				
	Reporting	Sample	Duplicate	Percent	Acceptance		
Analyte	Units	Result	Result	Difference	Criteria		
TSS	mg/L	13	<9.7	nm	0-20		

		Percent					
	Reporting	Spike	Recovery	Acceptance			
Analyte	Units	Level	LCS	Criteria			
TSS	mg/L	50	102	61-131			

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 More than one compound of similar molecule structure was identified with equal probability.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte indicated may be due to carryover from previous sample injections.
- d The sample was diluted. Detection limits may be raised due to dilution.
- ${
 m d}s$ The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb Analyte present in the blank and the sample.
- fc The compound is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht Analysis performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j The result is below normal reporting limits. The value reported is an estimate.
- J The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the compound indicated is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- $\,$ nm $\,$ The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

October 22, 2013

Michele Costales Poquiz Friedman & Bruya 3012 16th Ave W Seattle, WA 98119

RE: Project: 310077 ARI Job No.: XI69

Dear Michele:

Please find enclosed the Chain-of-Custody record (COC), sample receipt documentation, and the final data for the samples from the project referenced above. Analytical Resources, Inc. (ARI) accepted seven water samples on October 7, 2013 under ARI job XI69. For further details regarding sample receipt, please refer to the enclosed Cooler Receipt Form.

The samples were analyzed for chloride and TDS, as requested on the COC.

There were no anomalies associated with the analyses of these samples.

An electronic copy of this report and all associated raw data will be kept on file at ARI. Should you have any questions or concerns, please feel free to call me at your convenience.

Respectfully,

ANALYTICAL RESOURCES, INC.

Cheronne Oréiro Project Manager

(206) 695-6214

cheronneo@arilabs.com

www.arilabs.com

cc: eFile XI69

Enclosures

YICG STLOG

SAMPLE CHAIN OF CUSTODY

	SUBCONTRACTOR		Page # of
Send Report To_Michele Costales Poquiz	Analytical Resources, Inc. (ARI)		TURNAROUND TIME
Company_Friedman & Bruya, Inc.	PROJECT NAME/NO.	PO#	XStandard Turnaround
Address 3012 16th Ave. W.	310017	(-S7)	Rush charges authorized by:
City, State, ZIP_Seattle, WA 98119	REMARKS		SAMPLE DISPOSAL © Dispose after 30 days
Phone #_(206) 285-8282Fax #_(206) 283-5044	Please e-mail results		☐ Return samples ☐ Will call with instructions
Email Address mpoquiz@friedmanandbruya.com	ELECTRONIC DATA REQUESTED (EIM)		Samples Received at°C
	•		

	Notes	Shart Inding	time for TDS.					√		
	Chloride by SM4500	×	×	×	×	×	×	×		
red	TDS by 2540C	×	X	×	×	Χ	×	×		
ANALYSES REQUESTED	Total Organic M080e yd nodraO									
ES RE	Hexavalent Cr by 7196A									
TYS	HFS									
ANA	SVOCs by 8270									
	AOCs by 8260									
	TPH-Gasoline									
	lessiG-HTT									$\vdash\vdash$
			-			<u></u>				
	# of containers	7						→		
	Sample Type	water	_					→		
	Time Sampled	PS10	95,p0	9011	1148	0847	1015	1150		
	Date Sampled	10/3/13 0754						→		
	Lab ID									
	Sample ID	EMW-88-100313	CMW - 4-100313	EMW-578-100313	EMW- 25-100313	SLR - 1-100313	EMW-128-100313	SLR-3-100313	TB 100313 / (2/1/13	

3012 16th Avenue West Seattle, WA 98119-2029	Relinguished Di. tu Po of Machinel Dor.
Ph. (206) 285-8282	Relinquished by:
Fax (206) 283-5044	Received by:

FORMS\COC\COC SLRC.DOC

11:06 AM TIME 130g DATE E1/1/01 COMPANY FE.81 Michael Castales Poguiz PRINT NAME

X169:00002



Cooler Receipt Form

- I	١ ٥			_	2 (
ARI Client: Friedwa	nt Bruga		Projec	ct Name:	3/00	7 /		^
COC No(s):	NA					rien Hand Deliv	ered Other	Blokes
Assigned ARI Job No:X	Ilo9			ing No:		4020	·	NA
Preliminary Examination Phase:			HECK	g 140.		, 1020		NA
Were intact, properly signed and	dated custody seals attack	ned to the	e outside	of to cooler?			YES	(NO)
Were custody papers included w							YES	NO
Were custody papers properly fill	ed out (ink signed, etc.)						YES)	NO
Temperature of Cooler(s) (°C) (re				45		'	123	NO
If cooler temperature is out of cor	mpliance fill out form 00070)F		. 1		Temp Gun ID	#: 908	11952
Cooler Accepted by:	_ 9W		Date:	0/7/1	3 Time	:1300	'	
	Complete custody fo	rms and	attach a	II shipping o			-	•
Log-In Phase:								
Was a tamperature blank include	ol in the sealow?						\/F0	
Was a temperature blank include							YES	NO
What kind of packing material) -	-	Block Paper C		
Was sufficient ice used (if approp						NA	(ES	NO
Were all bottles sealed in individu	•						YES	(NO
Did all bottles arrive in good cond	lition (unbroken)?						(YES)	NO
Were all bottle labels complete a	nd legible?			•••••			YES	NO
Did the number of containers liste	ed on COC match with the	number o	of contair	ers received?	?		(YES	NO
Did all bottle labels and tags agre	e with custody papers?						(YES	NO
Were all bottles used correct for t							(YES)	NO
Do any of the analyses (bottles) r	•					(NA)	YES	NO
Were all VOC vials free of air but		,			3	(NA)	YES	NO
Was sufficient amount of sample						()	(ES	NO
Date VOC Trip Blank was made						(NA)		
Was Sample Split by ARI:	٠.			Equipme			Split by:_	
)		, l				- v	
Samples Logged by:	+1/	Date:	FD	13	Time:	<u> 1412</u>		
	** Notify Project Ma	nager of	discrep	ancies or co	ncems **			
	The second secon					<u> </u>	M. SANKESSON ST.	
Sample ID on Bottle	Sample ID on COC	-	Sa	mple ID on B	ottle	Samp	le ID on C	oc
					•			
					_			
Additional Notes, Discrepancie	s, & Resolutions:							
_								
By: Da	- A - A - A - A - A - A - A - A - A - A		-an -> 4		`			
Smell Air Bubbles Peabubb -2mm 2-4 mm	THE PERSON WASHINGTON	" ├──		m" (<2 mm				
		I		→ "pb" (2 to g" (4 to < 6 m				
		1 -		} "hs" (>61				
		1 110	- HELLINE	- ms (- U)				

Sample ID Cross Reference Report



ARI Job No: XI69

Client: Friedman and Bruya, Inc

Project Event: 310077
Project Name: N/A

	Sample ID	ARI Lab ID	ARI LIMS ID	Matrix	Sample Date/Time	VTSR
1.	EMW-8S-100313	XI69A	13-21605	Water	10/03/13 07:54	10/07/13 13:00
2.	CMW-4-100313	XI69B	13-21606	Water	10/03/13 09:50	10/07/13 13:00
3.	EMW-57S-100313	XI69C	13-21607	Water	10/03/13 11:00	10/07/13 13:00
4.	EMW-2S-100313	XI69D	13-21608	Water	10/03/13 11:48	10/07/13 13:00
5.	SLR-1-100313	XI69E	13-21609	Water	10/03/13 08:47	10/07/13 13:00
6.	EMW-12S-100313	XI69F	13-21610	Water	10/03/13 10:15	10/07/13 13:00
7.	SLR-3-100313	XI69G	13-21611	Water	10/03/13 11:50	10/07/13 13:00



Matrix: Water

Data Release Authorized

Reported: 10/22/13

Project: NA
Event: 310077
Date Sampled: 10/03/13
Date Received: 10/07/13

Client ID: EMW-8S-100313 ARI ID: 13-21605 XI69A

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/10/13 101013#1	SM2540C	mg/L	5.0	278
Chloride	10/08/13 100813#1	SM4500-CLE	mg/L	1.0	7.0

RLAnalytical reporting limit

U Undetected at reported detection limit



Matrix: Water

Data Release Authorized:

Reported: 10/22/13

Project: NA
Event: 310077
Date Sampled: 10/03/13 Date Received: 10/07/13

Client ID: CMW-4-100313 ARI ID: 13-21606 XI69B

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/10/13 101013#1	SM2540C	mg/L	200	12,500
Chloride	10/08/13 100813#1	SM4500-CLE	mg/L	1,000	7,280

RLAnalytical reporting limit

U Undetected at reported detection limit



Matrix: Water

Data Release Authorized: Reported: 10/22/13

Project: NA

Event: 310077

Date Sampled: 10/03/13

Date Received: 10/07/13

Client ID: EMW-57S-100313 ARI ID: 13-21607 XI69C

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/10/13 101013#1	SM2540C	mg/L	5.0	226
Chloride	10/08/13 100813#1	SM4500-CLE	mg/L	1.0	7.8

RLAnalytical reporting limit

U Undetected at reported detection limit

Water Sample Report-XI69



Matrix: Water

Data Release Authorized: Reported: 10/22/13

Project: NA

Event: 310077
Date Sampled: 10/03/13
Date Received: 10/07/13

Client ID: EMW-2S-100313 ARI ID: 13-21608 XI69D

Analyte	Date Batch	Method	Units	, RL	Sample
Total Dissolved Solids	10/10/13 101013#1	SM2540C	mg/L	5.0	230
Chloride	10/08/13 100813#1	SM4500-CLE	mg/L	2.0	7.4

RLAnalytical reporting limit

U Undetected at reported detection limit

Water Sample Report-XI69



Matrix: Water

Data Release Authorized: Reported: 10/22/13

Project: NA
Event: 310077
Date Sampled: 10/03/13

Date Received: 10/07/13

Client ID: SLR-1-100313 ARI ID: 13-21609 XI69E

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/10/13 101013#1	SM2540C	mg/L	5.0	316
Chloride	10/08/13 100813#1	SM4500-CLE	mg/L	2.0	13.2

Analytical reporting limit RL

Water Sample Report-XI69

U Undetected at reported detection limit



Matrix: Water

Data Release Authorized

Reported: 10/22/13

Project: NA

Event: 310077
Date Sampled: 10/03/13
Date Received: 10/07/13

Client ID: EMW-12S-100313 ARI ID: 13-21610 XI69F

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/10/13 101013#1	SM2540C	mg/L	5.0	224
Chloride	10/08/13 100813#1	SM4500-CLE	mg/L	2.0	13.0

RLAnalytical reporting limit

Undetected at reported detection limit



Matrix: Water

Data Release Authorized:

Reported: 10/22/13

Project: NA

Event: 310077
Date Sampled: 10/03/13
Date Received: 10/07/13

Client ID: SLR-3-100313 ARI ID: 13-21611 XI69G

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/10/13 101013#1	SM2540C	mg/L	13.3	1,320
Chloride	10/08/13 100813#1	SM4500-CLE	mg/L	10.0	39.0

RLAnalytical reporting limit

U Undetected at reported detection limit



Matrix: Water

Data Release Authorized: Reported: 10/22/13

Project: NA

Event: 310077 Date Sampled: 10/03/13 Date Received: 10/07/13

Analyte	Method	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: XI69A	Client ID: EMW-6	s-100313					
Chloride	SM4500-0	LE 10/08/13	mg/L	7.0	30.7	25.0	94.8%



Matrix: Water

Data Release Authorized: Reported: 10/22/13

Project: NA

Event: 310077
Date Sampled: 10/03/13
Date Received: 10/07/13

Analyte	Method	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: XI69A Client	ID: EMW-8S-1	00313				
Total Dissolved Solids	SM2540C	10/10/13	mg/L	278	276	0.7%
Chloride	SM4500-CLE	10/08/13	mg/L	7.0	6.9	1.4%

LAB CONTROL RESULTS-CONVENTIONALS XI69-Friedman and Bruya, Inc



Matrix: Water

Data Release Authorized: Reported: 10/22/13

Project: NA Event: 310077 Date Sampled: NA Date Received: NA

Analyte/Method	QC ID	Date	Units	LCS	Spike Added	Recovery
Total Dissolved Solids SM2540C	ICVL	10/10/13	mg/L	507	500	101.4%

METHOD BLANK RESULTS-CONVENTIONALS XI69-Friedman and Bruya, Inc



Matrix: Water

Data Release Authorized Reported: 10/22/13

Project: NA

Event: 310077
Date Sampled: NA Date Received: NA

Analyte	Method	Date	Units	Blank	ID
Total Dissolved Solids	SM2540C	10/10/13	mg/L	< 5.0 U	
Chloride	SM4500-CLE	10/08/13	mg/L	< 1.0 U	FB
FB Filtration Blank				ı	

STANDARD REFERENCE RESULTS-CONVENTIONALS XI69-Friedman and Bruya, Inc



Matrix: Water

Data Release Authorized: Reported: 10/22/13

Project: NA

Event: 310077

Date Sampled: NA Date Received: NA

Analyte/SRM ID	Method	Date	Units	SRM	True Value	Recovery
Chloride ERA #411010	SM4500-CLE	10/08/13	mg/L	4.9	5.0	98.0%

November 5, 2013

Michele Poquiz Friedman & Bruya, Inc. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282

Project Name: 310077

Ms Poquiz,

Attached is the report associated with seven (7) aqueous samples submitted for dissolved arsenic, copper, and selenium analyses on October 16, 2013. All samples were received on the same day, October 16, 2013, in a sealed cooler at 4.2°C. Dissolved metals analyses were performed via inductively coupled plasma dynamic reaction cell mass spectrometry (ICP-DRC-MS). Any analytical issues associated with the analyses are addressed in the following report.

If you have any questions, please feel free to contact me at your convenience.

Sincerely,

Jeremy Maute Project Coordinator

Applied Speciation and Consulting, LLC

Applied Speciation and Consulting, LLC

Report prepared for:

Michele Poquiz Friedman & Bruya, Inc. 3012 16th Avenue West Seattle, WA 98119-2029

Project Name: 310077

November 5, 2013

1. Sample Reception

Seven (7) aqueous samples were submitted for dissolved arsenic, copper, and selenium analyses on October 16, 2013. All samples were received in acceptable condition on the same day, October 16, 2013, in a sealed container at 4.2°C.

The samples submitted for dissolved metals analyses were filtered and preserved prior to reception at Applied Speciation and Consulting. The pH values of the samples were checked upon sample reception to confirm the adequacy of sample preservation.

The samples were received in a laminar flow clean hood void of trace metals contamination and ultra-violet radiation. The samples were stored in a secure enclosed container, known to be free from trace metals contamination, until the digestion and analysis could be performed.

2. Sample Preparation

All sample preparation is performed in laminar flow clean hoods known to be free from trace metals contamination. All applied water for dilutions and sample preservatives are monitored for contamination to account for any biases associated with the sample results.

<u>Dissolved As, Cu, and Se Analysis by ICP-DRC-MS</u> The samples submitted for dissolved metals analyses were filtered and preserved prior to reception at Applied Speciation and Consulting. All preserved samples were digested in accordance with EPA Method 200.8 on October 18, 2013. All sample digests were then analyzed via inductively coupled plasma dynamic reaction cell mass spectrometry (ICP-DRC-MS).

3. Sample Analysis

All sample analysis is precluded by a minimum of a five-point calibration curve spanning the entire concentration range of interest. Calibration curves are performed at the beginning of each analytical day. All calibration curves, associated with each species of interest, are standardized by linear regression resulting in a response factor. All sample results are **instrument blank corrected** to account for any operational biases associated with the analytical platform.

Prior to sample analysis, all calibration curves are verified using second source standards which are identified as initial calibration verification standards (ICV).

Ongoing instrument performance is identified by the analysis of continuing calibration verification standards (CCV) and continuing calibration blanks (CCB) at a minimum interval of every ten analytical runs.

<u>Dissolved As, Cu, and Se Analysis by ICP-DRC-MS</u> All sample digests for dissolved arsenic, copper, and selenium analysis were analyzed by inductively coupled plasma dynamic reaction cell mass spectrometry (ICP-DRC-MS) on October 22, 2013. Aliquots of each sample are introduced into a radio frequency (RF) plasma where energy-transfer processes cause desolvation, atomization, and ionization. The ions are extracted from the plasma through a differentially-pumped vacuum interface and travel through a pressurized chamber (DRC) containing a specific reactive gas which preferentially reacts with interfering ions of the same target mass to charge ratios (m/z). A solid-state detector detects ions transmitted through the mass analyzer, on the basis of their mass-to-charge ratio (m/z), and the resulting current is processed by a data handling system.

4. Analytical Issues

The overall analyses went well and no significant analytical issues were encountered. All quality control parameters associated with these samples were within acceptance limits.

The estimated method detection limits (eMDL) for dissolved metals have been calculated using the standard deviation of the preparation blanks preserved and analyzed concurrently with the submitted samples.

If you have any questions or concerns regarding this report, please feel free to contact me.

Sincerely,

Jeremy Maute

Project Coordinator

Applied Speciation and Consulting, LLC

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Date Sampled: 10/3/2013

Client Sample ID EMW-8S-100313

Date Received: 10/16/2013

Laboratory Sample ID EMW-8S-100313 Diss

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM1	5	0.018	0.20	40.7
Diss Cu	EPA 200.8	TM1	5	090'0	0.20	0.361
Diss Se	EPA 200.8	TM1	2	0.039	0.20	0.133 J
						Assembly the second consistence of the construction of the constru

All results are reported in µg/L and reflect the applied dilution

J = Sample concentration is between the eMDL and the RL

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

10/3/2013 Date Sampled:

Date Received: 10/16/2013

Client Sample ID CMW-4-100313

Laboratory Sample ID CMW-4-100313 Diss

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM1	5	0.018	0.20	206
Diss Cu	EPA 200.8	TM1	5	090'0	0.20	3.64
Diss Se	EPA 200.8	TM1	2	0.039	0.20	0.175 J

Applied Speciation and Consulting, LLC Report Generated by: Jeremy Maute Date: November 5, 2013

10/3/2013 Date Sampled:

EMW-57S-100313 Client Sample ID

Date Received: 10/16/2013

Laboratory Sample ID EMW-575-100313 Diss

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM1	5	0.018	0.20	1.48
Diss Cu	EPA 200.8	TM1	2	090'0	0.20	0.411
Diss Se	EPA 200.8	TM1	5	0.039	0.20	0.090 J
				er her all the second supplies the second supplies and	and Wheel the same and an incidence of the high spectrum.	the property of the second state of the second seco

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Date Received: 10/16/2013

10/3/2013 Date Sampled: Client Sample ID EMW-2S-100313

Laboratory Sample ID EMW-25-100313 Diss

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM1	5	0.018	0.20	1.29
Diss Cu	EPA 200.8	TM1	2	090.0	0.20	0.419
Diss Se	EPA 200.8	TM1	2	0.039	0.20	0.057 J
				200		

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

10/3/2013

Date Sampled:

Date Received: 10/16/2013

Client Sample ID SLR-1-100313 Laboratory Sample ID SLR-1-100313 Diss

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM1	5	0.018	0.20	2.61
Diss Cu	EPA 200.8	TM1	5	090.0	0.20	0.482
Diss Se	EPA 200.8	TM1	5	0.039	0.20	0.141 J

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Date Received: 10/16/2013

10/3/2013 Date Sampled:

EMW-12S-100313 Client Sample ID

Laboratory Sample ID EMW-12S-100313 Diss

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM1	2	0.018	0.20	0.318
Diss Cu	EPA 200.8	TM1	2	090.0	0.20	1.84
Diss Se	EPA 200.8	TM1	5	0.039	0.20	0.169 J

Report Generated by: Jeremy Maute Applied Speciation and Consulting, LLC Date: November 5, 2013

> 10/3/2013 Date Sampled:

Client Sample ID SLR-3-100313

Date Received: 10/16/2013

Laboratory Sample ID SLR-3-100313 Diss

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM1	5	0.018	0.20	28.8
Diss Cu	EPA 200.8	TM1	5	090.0	0.20	5.90
Diss Se	EPA 200.8	TM1	2	0.039	0.20	1.45
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Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Quality Control Summary - Preparation Blank Summary

Analyte (ug/L)	Batch ID	PBW-1	PBW-2	PBW-3	PBW-4	Mean	StdDev	eMDL*	eMDL 5x	Sample RL
Diss As	TM1	0.011	0.011	0.002	-0.001	0.006	0.006	0.004	0.018	0.20
Diss Cu	TM1	0.058	0.071	0.068	0.104	0.075	0.020	0.012	0.060	0.20
Diss Se	TM1	-0.002	-0.027	0.002	-0.010	-0.009	0.013	0.008	0.039	0.20

eMDL = Estimated Method Detection Limit
* Please see narrative regarding eMDL calculations

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Quality Control Summary - Certified Reference Material

S to succe America			<u> </u>		
Analyte (µg/L)	Batch ID	CS	True Value	Result	Recovery
Total As	TM1	SOT	400.0	400.1	100.0
Total As	TM1	TMDA-70	40.7	42.8	105.2
Total Cu	TM1	SOT	400.0	416.8	104.2
Total Cu	TM1	TMDA-70	399	414	103.8
Total Se	TM1	SOT	400.0	404.2	101.1
Total Se	TM1	TMDA-70	25.9	25.5	98.5

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Analyte (µg/L)	Sample ID	Batch ID	Rep 1	Rep 2	Mean	RPD
Diss As	Batch QC	TM1	0.520	0.510	0.515	2.0
Diss Cu	Batch QC	TM1	0.442	0.451	0.447	2.1
Diss Se	Batch QC	TM1	0.122 J	0.117 J	0.119	4.7

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Quality Control Summary - Matrix Spike/ Matrix Spike Duplicate

			Spike			Spike	MSD		
Analyte (µg/L)	Sample ID	Batch ID	Conc	MS Result	Recovery	Conc	Result	Recovery	RPD
Diss As	Batch QC	TM1	400.0	414.5	103.5	400.0	430.0	107.4	3.7
Diss Cu	Batch QC	TM1	400.0	358.9	9.68	400.0	379.6	94.8	5.6
Diss Se	Batch QC	TM1	400.0	396.9	99.2	400.0	428.5	107.1	7.6

SAMPLE CHAIN OF CUSTODY

pg 10f 4

Rush charges authorized by: X Dispose after 30 days ⊆ Return samples □ Will call with instructions TURNAROUND TIME SAMPLE DISPOSAI XStandard Turnaround Samples Received at Analytical Resources, Inc. (ARI) - Applied Speciation PROJECT NAME/NO. C-595 BLECTRONIC DATA REQUESTED (BIM)- (10/16/13 Please e-mail results 3 10077 REMARKS Phone #_(206) 285-8282___Fax #_(206) 283-5044 Email Address mpoquiz@friedmanandbruya.com Send Report To_Michele Costales Poquiz_ City, State, ZIP_Seattle, WA 98119_ Company_Friedman & Bruya, Inc. 3012 16th Ave. W.

Address

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Notes	Paus needed:	As 0.150 pob	Se 0.554 ppb	Cu 0.336 pp		All Samples were	field filtered 2>			
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Total Organic										
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Friedman & Bruya, Inc.	SIGNATURE	PRINT
3012 16th Avenue West	Relinquished by:	Michaele Cost
Seattle, WA 98119-2029	Theoghad by	Jacki Ford
Ph. (206) 285-8282	Relinquished by:	
Fax (206) 283-5044	Received by:	

10.29 AM TIME

COMPANY FE 01

Faguiz.

costales

PRINT NAME

1600

10 16 13 10/16/13 DATE

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FORMS\COC\COC SLRC.DOC

☑Standard (2 Weeks)
☐RUSH
Rush charges authorized by ☐ Return samples ☐ Will call with instructions TURNAROUND TIME SAMPLE DISPOSAL ☐ Dispose after 30 days 1608 SAMPLE CHAIN OF CUSTODY KJ 10/3/43 101.00245. 20030 NWTP#-Dx for DRO+HO after siles gel clemy 5th Ar Terminals, the 5th SAMPLERS (signature) 101.00205.00030 PROJECT NAME/NO REMARKS Phone # 425 - 403 - 8800 Fax # 425 - 402 -8488 City, State, ZIP Bathell WA 98021 Send Report To Mike Staton Address 22/18 201 Ave Company SCR Later na 310077

Veadded per Mike Staton		120 1916/13	./13			٠			AN.	ALYS	SES R	EQU	ANALYSES REQUESTED	Ω			_			_
Sample ID		Date Sampled	Time Sampled	Sample Type	# of containers	isesid-HTT	TPH-Gasoline	BLEX PY BOOLB	AOC ≈ P 8570 P	NFS H	1005 d 200.8	31841 Ed	8 cos a desta	318211 2d 318211 2d 6d 2HAP	MIZAOFER	8029 V	70256 64 207	Z-781761A)	Sorthard 1,2 A bavlocking Gd 32 Tending	1CP-DRC-MS
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Friedman & Bruya. Inc.		SIGN	SIGNATURE		PR	PRINT NAME	NAN					၂၂႘	COMPANY	Z			DATE	(1)	TIME] [
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Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044
Forms/coccoc.Doc

10/3/ Samples received at 2 Rethinguished by: M Received by:
| MM | Kelinquished by Received by:

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Kurt Johnson, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

November 19, 2013

Mike Staton SLR International Corp. 22118 20th Ave. SE., G-202 Bothell, WA 98021

Dear Mr. Staton:

Included are the amended results from the testing of material submitted on September 23, 2013 from the 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309396 project. The results for total and dissolved arsenic and selenium have been flagged due to matrix interference.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Crimble Postel Poquiz

Michele Costales Poquiz

Chemist

Enclosures SLR1008R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Kurt Johnson, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

October 8, 2013

Mike Staton SLR International Corp. 22118 20th Ave. SE., G-202 Bothell, WA 98021

Dear Mr. Staton:

Included are the results from the testing of material submitted on September 23, 2013 from the 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309396 project. There are 47 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Crimbile Postel Poquiz

Michele Costales Poquiz

Chemist

Enclosures SLR1008R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on September 23, 2013 by Friedman & Bruya, Inc. from the SLR International Corp. 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309396 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	SLR International Corp.
309396-01	SLR-6-092313
309396-02	DMW-3-092313
309396-03	EMW-11S-092313
309396-04	DMW-6-092313
309396-05	EMW-6S-092313
309396-06	EMW-7S-092313
309396-07	HC-20-092313
309396-08	DMW-2-092313
309396-09	EMW-9S-092313
309396-10	SLR-3-092313
309396-11	SLR-2-092313
309396-12	SLR-1-092313
309396-13	EMW-2S-092313
309396-14	EMW-1S-092313
309396-15	SLR-7-092313

Total Metals by EPA Method 200.8

The reporting limits for copper, zinc and antimony were raised due to laboratory contamination.

Compounds in the sample matrix interfered with the quantitation of arsenic and selenium. The results have been flagged accordingly.

Dissolved Metals by EPA Method 200.8

The reporting limits for copper, zinc and antimony were raised due to laboratory contamination.

Compounds in the sample matrix interfered with the quantitation of arsenic and selenium. The results have been flagged accordingly.

The internal standard associated with several analytes in the 200.8 analysis of the sample SLR-3-092313 exceeded acceptance criteria. The sample was diluted and reanalyzed. The results for the full strength and the dilution analyses are included.

Total Mercury by EPA Method 1631E

The reporting limit was raised due to laboratory contamination.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE (continued)

Dissolved Mercury by EPA Method 1631E

The reporting limit was raised due to laboratory contamination.

Total Suspended Solids by Method 2540D

All quality control requirements were acceptable.

Total Dissolved Solids by Method 2540C

The samples were sent to Analytical Resources, Inc. (ARI) for analysis. The report generated by ARI will be forwarded to your office upon receipt.

Chloride by Method SM4500

The samples were sent to ARI for analysis. The report generated by ARI will be forwarded to your office upon receipt.

ENVIRONMENTAL CHEMISTS

Operator:

Analysis For Total Metals By EPA Method 200.8

Client ID: SLR-6-092313
Date Received: 09/23/13
Date Extracted: 09/25/13
Date Analyzed: 09/25/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309396-01
Data File: 309396-01.019
Instrument: ICPMS1

AP

Lower Upper Internal Standard: % Recovery: Limit: Limit: Germanium 93 60 125 Indium 100 60 125 Holmium 103 60 125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 2.09 Nickel 2.00 Copper < 2.00 Zinc < 2.50 0.252 ip Arsenic Selenium <0.560 ip Silver < 0.0640 Cadmium < 0.0940 Antimony < 1.25 Barium 18.7 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: DMW-3-092313
Date Received: 09/23/13
Date Extracted: 09/25/13
Date Analyzed: 09/25/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309396-02
Data File: 309396-02.022
Instrument: ICPMS1
Operator: AP

	Lower	Upper
% Recovery:	Limit:	Limit:
104	60	125
95	60	125
97	60	125
	104 95	% Recovery: Limit: 104 60 95 60

Concentration Analyte: ug/L (ppb) < 0.0980 Beryllium Chromium 1.69 Nickel 0.763Copper < 2.00 Zinc < 2.50 Arsenic 5.41 ip Selenium <0.560 ip Silver < 0.0640 Cadmium < 0.0940 Antimony <1.25 Barium 12.7 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	EMW-11S-092313 09/23/13 09/25/13 09/25/13 Water ug/L (ppb)	Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. Crowley 101.00205.00030 309396-03 309396-03.023 ICPMS1 AP
Units:	ug/L (ppb)	Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	100	60	125
Indium	97	60	125
Holmium	99	60	125

	Concentration
Analyte:	ug/L (ppb)
3	8 41 /
Beryllium	< 0.0980
Chromium	1.29
Nickel	4.04
Copper	<2.00
Zinc	14.5
Arsenic	4.42 ip
Selenium	<0.560 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	<1.25
Barium	218
Thallium	< 0.0740
Lead	0.173

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309396-04
Data File:	309396-04.024
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	123	60	125
Indium	103	60	125
Holmium	106	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.49
Nickel	0.596
Copper	< 2.00
Zinc	< 2.50
Arsenic	41.1 ip
Selenium	<0.560 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	<1.25
Barium	11.8
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: EMW-6S-092313
Date Received: 09/23/13
Date Extracted: 09/25/13
Date Analyzed: 09/25/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309396-05
Data File: 309396-05.025
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	101	60	125
Indium	97	60	125
Holmium	97	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 1.26 Nickel 1.27 Copper < 2.00 Zinc < 2.50 Arsenic 2.03 ip Selenium <0.560 ip Silver < 0.0640 Cadmium < 0.0940 <1.25 Antimony Barium 19.9 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: EMW-7S-092313
Date Received: 09/23/13
Date Extracted: 09/25/13
Date Analyzed: 09/25/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309396-06
Data File: 309396-06.027
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	105	60	125
Indium	97	60	125
Holmium	98	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 1.50 Nickel 0.992 Copper < 2.00 Zinc < 2.50 3.38 ip Arsenic Selenium <0.560 ip < 0.0640 Silver Cadmium < 0.0940 Antimony <1.25 Barium 15.1 Thallium < 0.0740 Lead 0.165

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: HC-20-092313
Date Received: 09/23/13
Date Extracted: 09/25/13
Date Analyzed: 09/25/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309396-07
Data File: 309396-07.028
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	107	60	125
Indium	96	60	125
Holmium	100	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 1.41 Nickel 1.35 Copper < 2.00 Zinc 7.63 Arsenic 14.5 ip Selenium <0.560 ip Silver < 0.0640 < 0.0940 Cadmium Antimony < 1.25 Barium 21.5 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

DMW-2-092313 09/23/13 09/25/13 09/25/13 Water
ug/L (ppb)

Client: Project:	SLR International Corp. Crowley 101.00205.00030
Lab ID:	309396-08
Data File:	309396-08.029
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	100	60	125
Indium	92	60	125
Holmium	95	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	2.78
Nickel	1.25
Copper	< 2.00
Zinc	6.20
Arsenic	7.47 ip
Selenium	<0.560 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	<1.25
Barium	12.1
Thallium	< 0.0740
Lead	2.04

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: EMW-9S-092313
Date Received: 09/23/13
Date Extracted: 09/25/13
Date Analyzed: 09/25/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309396-09
Data File: 309396-09.030
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	109	60	125
Indium	100	60	125
Holmium	102	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 1.69 Nickel 0.909 Copper < 2.00 Zinc 3.63 Arsenic 25.6 ip <0.560 ip Selenium < 0.0640 Silver Cadmium < 0.0940 Antimony <1.25 Barium 64.4Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix:	SLR-3-092313 09/23/13 09/25/13 09/25/13 Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309396-10
Data File:	309396-10.066
Instrument:	ICPMS1
Operator:	AP

Internal Standard: Germanium Indium Holmium	% Recovery: 122 87 95	Lower Limit: 60 60 60	Upper Limit: 125 125 125
Analyte:	Concentration ug/L (ppb)		
Porullium	~0.0000		

Analyte:	ug/L (ppb)
Beryllium	< 0.0980
Chromium	24.0
Nickel	3.51
Copper	< 2.00
Zinc	4.37
Arsenic	27.7 ip
Selenium	5.99 ip
Silver	0.427
Cadmium	2.50
Antimony	<1.25
Barium	106
Thallium	< 0.0740
Lead	0.673

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: SLR-2-092313
Date Received: 09/23/13
Date Extracted: 09/25/13
Date Analyzed: 09/25/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309396-11
Data File: 309396-11.031
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	91	60	125
Indium	95	60	125
Holmium	99	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.02
Nickel	1.92
Copper	2.38
Zinc	4.35
Arsenic	1.94 ip
Selenium	<0.560 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	2.49
Barium	8.30
Thallium	< 0.0740
Lead	0.311

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Date Received:	SLR-1-092313 09/23/13
Date Extracted:	09/25/13
Date Analyzed:	09/25/13
Matrix:	Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309396-12
Data File:	309396-12.032
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	100	60	125
Indium	96	60	125
Holmium	99	60	125
	0		

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	3.74
Nickel	3.20
Copper	5.47
Zinc	45.9
Arsenic	3.67 ip
Selenium	<0.560 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	1.93
Barium	31.1
Thallium	< 0.0740
Lead	3.66

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: EMW-2S-092313
Date Received: 09/23/13
Date Extracted: 09/25/13
Date Analyzed: 09/25/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309396-13
Data File: 309396-13.033
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	97	60	125
Indium	94	60	125
Holmium	98	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 1.53 Nickel 1.05 Copper < 2.00 Zinc <2.50 0.961 ip Arsenic Selenium <0.560 ip < 0.0640 Silver Cadmium < 0.0940 Antimony <1.25 Barium 9.37 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: EMW-1S-092313
Date Received: 09/23/13
Date Extracted: 09/25/13
Date Analyzed: 09/25/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309396-14
Data File: 309396-14.034
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	121	60	125
Indium	96	60	125
Holmium	97	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 2.53 Nickel 1.71 Copper < 2.00 Zinc 11.4 19.1 ip Arsenic Selenium <0.560 ip Silver < 0.0640 < 0.0940 Cadmium Antimony <1.25 Barium 37.8 Thallium < 0.0740 Lead 2.59

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: SLR-7-092313
Date Received: 09/23/13
Date Extracted: 09/25/13
Date Analyzed: 09/25/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309396-15
Data File: 309396-15.035
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	96	60	125
Indium	95	60	125
Holmium	97	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 0.736 Nickel 3.70 Copper < 2.00 Zinc < 2.50 Arsenic 2.32 ip Selenium <0.560 ip Silver < 0.0640 Cadmium < 0.0940 Antimony <1.25 Barium 15.7 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Method Blank
Date Received: Not Applicable
Date Extracted: 09/25/13
Date Analyzed: 09/25/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: I3-606 mb
Data File: I3-606 mb.017
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	94	60	125
Indium	99	60	125
Holmium	101	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	< 0.138
Nickel	< 0.460
Copper	<2.00
Zinc	< 2.50
Arsenic	< 0.150
Selenium	< 0.560
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	<1.25
Barium	< 0.260
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix:	SLR-6-092313 09/23/13 09/25/13 09/26/13 Water
Matrix: Units:	Water ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309396-01
Data File:	309396-01.055
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	88	60	125
Indium	91	60 .	125
Holmium	93	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	0.363
Nickel	1.87
Copper	3.20
Zinc	4.70
Arsenic	0.304 ip
Selenium	<0.560 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	<1.25
Barium	19.6
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID: DMW-3-092313
Date Received: 09/23/13
Date Extracted: 09/25/13
Date Analyzed: 09/26/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309396-02
Data File: 309396-02.037
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	110	60	125
Indium	94	60	125
Holmium	94	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 1.12 Nickel 2.82 < 2.00 Copper Zinc < 2.50 4.84 ip Arsenic Selenium <0.560 ip < 0.0640 Silver Cadmium < 0.0940 Antimony < 1.25 12.5 Barium Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	EMW-11S-092313 09/23/13 09/25/13 09/26/13 Water ug/L (ppb)	Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. Crowley 101.00205.00030 309396-03 309396-03.038 ICPMS1 AP
Units:	ug/L (ppb)	Operator:	AP

4		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	106	60	125
Indium	95	60	125
Holmium	96	60	125

96	60
Concentration	
ug/L (ppb)	
<0.0980	
4.41	
<2.00	
13.2	
4.05 ip	
<0.560 ip	
< 0.0640	
< 0.0940	
<1.25	
200	
< 0.0740	
< 0.144	
	Concentration ug/L (ppb) <0.0980 0.760 4.41 <2.00 13.2 4.05 ip <0.560 ip <0.0640 <0.0940 <1.25 200 <0.0740

ENVIRONMENTAL CHEMISTS

Client ID: Date Received:	DMW-6-092313 09/23/13	Client: Project:	SLR International Corp. Crowley 101.00205.00030
Date Extracted:	09/25/13	Lab ID:	309396-04
Date Analyzed:	09/26/13	Data File:	309396-04.040
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	119	60	125
Indium	94	60	125
Holmium	95	60	125

Holmium	95	60	
	Concentration		
Analyte:	ug/L (ppb)		
Beryllium	<0.0980		
Chromium	1.12		
Nickel	1.13		
Copper	<2.00		
Zinc	<2.50		
Arsenic	42.3 ip		
Selenium	0.570 ip		
Silver	< 0.0640		
Cadmium	< 0.0940		
Antimony	<1.25		
Barium	11.7		
Thallium	< 0.0740		
Lead	< 0.144		

ENVIRONMENTAL CHEMISTS

Client ID: Date Received: Date Extracted: Date Analyzed:	EMW-6S-092313 09/23/13 09/25/13 09/26/13
Matrix:	Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project: Lab ID:	Crowley 101.00205.00030 309396-05
Data File:	309396-05.041 ICPMS1
Instrument: Operator:	AP

		rower.	∪pper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	104	60	125
Indium	94	60	125
Holmium	96	60	125
	Concentration		
Analyte:	ug/L (ppb)		

	Concentration
Analyte:	ug/L (ppb)
Beryllium	< 0.0980
Chromium	0.791
Nickel	1.41
Copper	< 2.00
Zinc	< 2.50
Arsenic	1.86 ip
Selenium	<0.560 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	<1.25
Barium	19.3
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	107	60	125
Indium	93	60	125
Holmium	97	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.02
Nickel	1.21
Copper	< 2.00
Zinc	< 2.50
Arsenic	2.55 ip
Selenium	<0.560 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	<1.25
Barium	13.4
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Client: Project: Lab ID: Data File: Instrument:	SLR International Corp. Crowley 101.00205.00030 309396-07 309396-07.043 ICPMS1
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	101	60	125
Indium	89	60	125
Holmium	93	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.10
Nickel	1.74
Copper	< 2.00
Zinc	8.84
Arsenic	14.0 ip
Selenium	<0.560 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	<1.25
Barium	21.0
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix:	DMW-2-092313	Client:	SLR International Corp.
	09/23/13	Project:	Crowley 101.00205.00030
	09/25/13	Lab ID:	309396-08
	09/26/13	Data File:	309396-08.044
	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	103	60	125
Indium	91	60	125
Holmium	95	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.76
Nickel	1.10
Copper	< 2.00
Zinc	3.92
Arsenic	6.67 ip
Selenium	<0.560 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	<1.25
Barium	10.8
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Client ID: Date Received:	EMW-9S-092313 09/23/13	Client: Project:	SLR International Corp. Crowley 101.00205.00030
Date Extracted:	09/25/13	Lab ID:	309396-09
Date Analyzed:	09/26/13	Data File:	309396-09.045
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	104	60	125
Indium	87	60	125
Holmium	91	60	125

	<u> </u>
Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.33
Nickel	0.992
Copper	<2.00
Zinc	9.39
Arsenic	26.4 ip
Selenium	<0.560 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	<1.25
Barium	67.2
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID: SLR-3-092313 Client: SLR International Corp. Project: Date Received: 09/23/13 Crowley 101.00205.00030 Lab ID: Date Extracted: 09/25/13 309396-10 Date Analyzed: 09/26/13 Data File: 309396-10.052 Matrix: Water Instrument: ICPMS1 Units: ug/L (ppb) Operator: AP

Lower Upper Internal Standard: % Recovery: Limit: Limit: Germanium 126 vo 60 125 Indium 83 60 125 Holmium 86 60 125

> Concentration ug/L (ppb)

Copper <2.00 J Antimony <1.25 Thallium <0.0740

Analyte:

ENVIRONMENTAL CHEMISTS

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309396-10 x10
Data File:	309396-10 x10.058
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	94	60	125
Indium	90	60	125
Holmium	93	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	30.3
Nickel	6.92
Copper	<20.0
Zinc	<25.0
Arsenic	25.1 ip
Selenium	7.18 ip
Silver	< 0.640
Cadmium	2.32
Antimony	<12.5
Barium	104
Thallium	< 0.740
Lead	3.60

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID: SLR-2-092313
Date Received: 09/23/13
Date Extracted: 09/25/13
Date Analyzed: 09/26/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309396-11
Data File: 309396-11.046
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	89	60	125
Indium	89	60	125
Holmium	94	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 0.396 Nickel 3.70 Copper 2.35 Zinc 3.86 0.428 ip Arsenic Selenium <0.560 ip < 0.0640 Silver Cadmium < 0.0940 Antimony 2.46 5.74 Barium Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID: SLR-1-092313
Date Received: 09/23/13
Date Extracted: 09/25/13
Date Analyzed: 09/26/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030

 Lab ID:
 309396-12

 Data File:
 309396-12.047

 Instrument:
 ICPMS1

 Operator:
 AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	109	60	125
Indium	90	60	125
Holmium	93	60	125

< 0.0740

< 0.144

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 1.52 Nickel 3.11 Copper < 2.00 Zinc 2.93 Arsenic 3.57 ip Selenium <0.560 ip Silver < 0.0640 < 0.0940 Cadmium Antimony < 1.25 Barium 27.4

Thallium

Lead

ENVIRONMENTAL CHEMISTS

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	98	60	125
Indium	85	60	125
Holmium	87	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	0.997
Nickel	2.53
Copper	< 2.00
Zinc	2.86
Arsenic	0.876 ip
Selenium	<0.560 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	<1.25
Barium	8.47
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix:	EMW-1S-092313 09/23/13 09/25/13 09/26/13 Water
Units:	ug/L (ppb)
	0 41 /

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309396-14
Data File:	309396-14.049
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	125	60	125
Indium	92	60	125
Holmium	90	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.14
Nickel	1.90
Copper	< 2.00
Zinc	5.45
Arsenic	16.6 ip
Selenium	<0.560 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	<1.25
Barium	29.6
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID: SLR-7-092313
Date Received: 09/23/13
Date Extracted: 09/25/13
Date Analyzed: 09/26/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309396-15
Data File: 309396-15.051
Instrument: ICPMS1
Operator: AP

Upper Limit: 125 125 125

		Lower	
Internal Standard:	% Recovery:	Limit:	
Germanium	97	60	
Indium	89	60	
Holmium	91	60	

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	0.436
Nickel	6.35
Copper	< 2.00
Zinc	5.01
Arsenic	2.30 ip
Selenium	<0.560 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	<1.25
Barium	14.5
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID: Method Blank
Date Received: Not Applicable
Date Extracted: 09/25/13
Date Analyzed: 09/26/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: I3-608 mb
Data File: I3-608 mb.054
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	93	60	125
Indium	91	60	125
Holmium	96	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium < 0.138 Nickel < 0.460 Copper < 2.00 Zinc < 2.50 Arsenic < 0.150 Selenium < 0.560 Silver < 0.0640 Cadmium < 0.0940 Antimony < 1.25 Barium < 0.260 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/13 Date Received: 09/23/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309396

Date Extracted: 09/25/13 Date Analyzed: 09/26/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	<u>Total Mercury</u>
SLR-6-092313 309396-01	< 0.0015
DMW-3-092313 309396-02	< 0.0015
EMW-11S-092313 309396-03	0.0016
DMW-6-092313 309396-04	< 0.0015
EMW-6S-092313 309396-05	< 0.0015
EMW-7S-092313 309396-06	< 0.0015
HC-20-092313 309396-07	< 0.0015
DMW-2-092313 309396-08	< 0.0015
EMW-9S-092313 309396-09	< 0.0015
SLR-3-092313 309396-10	0.0022
SLR-2-092313 309396-11	0.0018
SLR-1-092313 309396-12	0.0046
EMW-2S-092313 309396-13	< 0.0015

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/13 Date Received: 09/23/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309396

Date Extracted: 09/25/13 Date Analyzed: 09/26/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	<u>Total Mercury</u>
EMW-1S-092313 309396-14	0.0032
SLR-7-092313 309396-15	< 0.0015
Method Blank	< 0.0015

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/13 Date Received: 09/23/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309396

Date Extracted: 09/25/13 Date Analyzed: 09/26/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED MERCURY USING EPA METHOD 1631E

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Dissolved Mercury
SLR-6-092313 309396-01	< 0.0015
DMW-3-092313 309396-02	< 0.0015
EMW-11S-092313 309396-03	0.0016
DMW-6-092313 309396-04	< 0.0015
EMW-6S-092313 309396-05	<0.0015
EMW-7S-092313 309396-06	< 0.0015
HC-20-092313 309396-07	< 0.0015
DMW-2-092313 309396-08	< 0.0015
EMW-9S-092313 309396-09	< 0.0015
SLR-3-092313 309396-10	0.0020
SLR-2-092313 309396-11	< 0.0015
SLR-1-092313 309396-12	< 0.0015
EMW-2S-092313 309396-13	< 0.0015

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/13 Date Received: 09/23/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309396

Date Extracted: 09/25/13 Date Analyzed: 09/26/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED MERCURY USING EPA METHOD 1631E

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	<u>Dissolved Mercury</u>
EMW-1S-092313 309396-14	< 0.0015
SLR-7-092313 309396-15	<0.0015
Method Blank	< 0.0015

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/13 Date Received: 09/23/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309396

Date Extracted: NA Date Analyzed: 9/26/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL SUSPENDED SOLIDS BY METHOD 2540D

Results Reported as mg/L (ppm)

Sample ID Laboratory ID	Total Suspended <u>Solids</u>
SLR-6-092313 309396-01	<10
DMW-3-092313 309396-02	24
EMW-11S-092313 309396-03	<10
DMW-6-092313 309396-04	<10
EMW-6S-092313 309396-05	<10
EMW-7S-092313 309396-06	<10
HC-20-092313 309396-07	<10
DMW-2-092313 309396-08	<10
EMW-9S-092313 309396-09	<10
SLR-3-092313 309396-10	<10
SLR-2-092313 309396-11	<10
SLR-1-092313 309396-12	<10
EMW-2S-092313 309396-13	<10
	40

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/13 Date Received: 09/23/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309396

Date Extracted: NA Date Analyzed: 9/26/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL SUSPENDED SOLIDS BY METHOD 2540D

Results Reported as mg/L (ppm)

Sample ID Laboratory ID	Total Suspended <u>Solids</u>
EMW-1S-092313 309396-14	130
SLR-7-092313 309396-15	16
Method Blank	<10

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/13 Date Received: 09/23/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309396

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 309396-01 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Beryllium	ug/L (ppb)	5	< 0.0980	109	105	67-145	4
Chromium	ug/L (ppb)	20	2.09	99	94	64-132	5
Nickel	ug/L (ppb)	20	2.00	97	91	61-128	6
Copper	ug/L (ppb)	20	< 2.00	98	92	63-124	6
Zinc	ug/L (ppb)	50	< 2.50	98	93	55-141	5
Arsenic	ug/L (ppb)	10	0.252 ip	103	99	60-150	4
Selenium	ug/L (ppb)	5	<0.560 ip	109	105	43-178	4
Silver	ug/L (ppb)	5	< 0.0640	92	90	71-115	2
Cadmium	ug/L (ppb)	5	< 0.0940	95	91	83-116	4
Antimony	ug/L (ppb)	20	<1.25	96	94	62-125	2
Barium	ug/L (ppb)	50	18.7	99 b	93 b	79-126	6 b
Thallium	ug/L (ppb)	5	< 0.0740	95	92	73-119	3
Lead	ug/L (ppb)	10	< 0.144	93	89	79-121	4

			rertent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Beryllium	ug/L (ppb)	5	100	73-135
Chromium	ug/L (ppb)	20	98	80-119
Nickel	ug/L (ppb)	20	99	79-122
Copper	ug/L (ppb)	20	106	81-119
Zinc	ug/L (ppb)	50	96	76-124
Arsenic	ug/L (ppb)	10	92	80-111
Selenium	ug/L (ppb)	5	98	81-119
Silver	ug/L (ppb)	5	96	80-116
Cadmium	ug/L (ppb)	5	96	83-113
Antimony	ug/L (ppb)	20	94	79-108
Barium	ug/L (ppb)	50	98	83-117
Thallium	ug/L (ppb)	5	94	78-116
Lead	ug/L (ppb)	10	93	83-115

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/13 Date Received: 09/23/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309396

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED METALS USING EPA METHOD 200.8

Laboratory Code: 309396-01 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Beryllium	ug/L (ppb)	5	<0.0980	107	108	67-145	1
Chromium	ug/L (ppb)	20	0.363	90	89	64-132	1
Nickel	ug/L (ppb)	20	1.87	89	89	61-128	0
Copper	ug/L (ppb)	20	3.20	87	88	63-124	1
Zinc	ug/L (ppb)	50	4.70	89	89	55-141	0
Arsenic	ug/L (ppb)	10	0.304 ip	92	91	60-150	1
Selenium	ug/L (ppb)	5	<0.560 ip	92	90	43-178	2
Silver	ug/L (ppb)	5	< 0.0640	84	85	71-115	1
Cadmium	ug/L (ppb)	5	< 0.0940	91	95	83-116	4
Antimony	ug/L (ppb)	20	<1.25	94	98	62-125	4
Barium	ug/L (ppb)	50	19.6	93 b	92 b	79-126	1 b
Thallium	ug/L (ppb)	5	< 0.0740	91	95	73-119	4
Lead	ug/L (ppb)	10	< 0.144	91	91	79-121	0

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Beryllium	ug/L (ppb)	5	102	73-135
Chromium	ug/L (ppb)	20	91	80-119
Nickel	ug/L (ppb)	20	95	79-122
Copper	ug/L (ppb)	20	95	81-119
Zinc	ug/L (ppb)	50	101	76-124
Arsenic	ug/L (ppb)	10	91	80-111
Selenium	ug/L (ppb)	5	93	81-119
Silver	ug/L (ppb)	5	95	80-116
Cadmium	ug/L (ppb)	5	98	83-113
Antimony	ug/L (ppb)	20	93	79-108
Barium	ug/L (ppb)	50	101	83-117
Thallium	ug/L (ppb)	5	97	78-116
Lead	ug/L (ppb)	10	95	83-115

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/13 Date Received: 09/23/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309396

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Laboratory Code: 309396-01 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Mercury	ug/L (ppb)	0.01	< 0.0015	98	100	63-132	2

			Percent		
	Reporting	Spike	Recovery	Acceptance	
Analyte	Units	Level	LCS	Criteria	
Mercury	ug/L (ppb)	0.01	97	78-118	_

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/13 Date Received: 09/23/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309396

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED MERCURY USING EPA METHOD 1631E

Laboratory Code: 309396-06 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Mercury	ug/L (ppb)	0.01	< 0.0015	98	96	63-132	2

Laboratory Code: Laboratory Control Sample

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/13 Date Received: 09/23/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309396

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL SUSPENDED SOLIDS BY METHOD 2540D

Laboratory Code: 309396-15 (Duplicate)

				Relative	
	Reporting	Sample	Duplicate	Percent	Acceptance
Analyte	Units	Result	Result	Difference	Criteria
TSS	mg/L	16	15	6	0-20

			Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
TSS	mg/L	50	98	100	61-131	2

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 More than one compound of similar molecule structure was identified with equal probability.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte indicated may be due to carryover from previous sample injections.
- d The sample was diluted. Detection limits may be raised due to dilution.
- ds The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb Analyte present in the blank and the sample.
- fc The compound is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht Analysis performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of mrmal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j The result is below normal reporting limits. The value reported is an estimate.
- J The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the compound indicated is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- $\,$ nm $\,$ The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



October 7, 2013

Michele Costales Poquiz Friedman & Bruya 3012 16th Ave W Seattle, WA 98119

RE: Project: 309396 ARI Job No.: XG33

Dear Michele:

Please find enclosed the Chain-of-Custody record (COC), sample receipt documentation, and the final data for the samples from the project referenced above. Analytical Resources, Inc. (ARI) accepted fifteen water samples on September 24, 2013 under ARI job XG33. For further details regarding sample receipt, please refer to the enclosed Cooler Receipt Form.

The samples were analyzed for chloride and TDS, as requested on the COC.

There were no anomalies associated with the analyses of these samples.

An electronic copy of this report and all associated raw data will be kept on file at ARI. Should you have any questions or concerns, please feel free to call me at your convenience.

Respectfully,

ANALYTICAL RESOURCES, INC.

Cheronne Oreiro Project Manager (206) 695-6214

cheronneo@arilabs.com

www.arilabs.com

cc: eFile XG33

Enclosures

XGグケ

SAMPLE CHAIN OF CUSTODY

Rush charges authorized by: E Return samples Will call with instructions TURNAROUND TIME SAMPLE DISPOSAL XStandard Turnaround Samples Received at ☐ Dispose after 30 days RUSH C-553 PO# ELECTRONIC DATA REQUESTED (EIM) Analytical Resources, Inc. (ARI) Please e-mail results PROJECT NAME/NO. SUBCONTRACTOR 309396 REMARKS Fax # (206) 283-5044 Email Address mpoquiz@friedmanandbruya.com Send Report To_Michele Costales Poquiz City, State, ZIP_Seattle, WA 98119 Company_Friedman & Bruya, Inc. 3012 16th Ave. W. Phone #_(206) 285-8282_ Address_

Time Sample Type # of containers
9/23/13 1027 water
†171
1332
78hl
5co1
5611
रक्र
1353
1151
A SIB1

Friedman & Bruya, Inc.	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
3012 16th Avenue West	Reinguished by Jet for	Michele Costales Poquiz	183=1	9/24/13	9/24/13 10.57 AM
Seattle, WA 98119-2029	Meceived by:	A Volcardson	HEI	Mayles 1157	1157
Ph. (206) 285-8282	Relinquished by:	7)			
Fax (206) 283-5044	Received by:			,	
FORMS\COC\COC SLRC.DOC					

XG33:00002

SAMPLE CHAIN OF CUSTODY

	SUBCONTRACTOR		Page#of
Send Report To_Michele Costales Poquiz_	Analytical Resources, Inc. (ARI)		TURNAROUND TIME
Company Friedman & Bruya, Inc.	PROJECT NAME/NO.	FO#	X Standard Turnaround © RUSH
Address 3012 16th Ave. W.	309396	C- SS3	Rush charges authorized by:
City, State, ZIP Seattle, WA 98119	REMARKS		SAMPLE DISPOSAL Dispose after 30 days
Phone #(206) 285-8282Fax #(206) 283-5044	Please e-mail results		Return samples Will call with instructions
Email Address mpoquiz@friedmanandbruya.com	ELECTRONIC DATA REQUESTED (EIM)		Samples Received at°C

				1						
	Notes									

	Chloride by SM4500	×	×	×	×	×				
ED	TDS by 2540C	×	X	×	×	×				
ANALYSES REQUESTED	Total Organic M090e yd nodraO									
SRE	TO trailers Or A9617 yd									
YSE	HFS									
INA	SVOCs by 8270									
7	VOCs by 8260									
	BLEX by 8021B									
	aniloes D-HTT									
	lesei (I-H4T									
	# of containers	7				├				
	Sample Type	water				->				
	Time Sampled	0521	1210	0101	1330	1430			[
	Date Sampled	0521 8118216				~				
	Lab ID									
	Sample ID	SLR-2-092313	SLR-1-092313	EMW - 25 - 092313	EMW- 18-092313	SLR-7-092313				

Friedman & Bruya, Inc.	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
3012 16th Avenue West	Religanished By to Party Court Court Control Court Cou	Michele Castales (Bapile	F4B1	9/24/13	9/24/13 10:57 AM
Seattle, WA 98119-2029	Received by:	4. Cooledan	773	8/1/13	1631
Ph. (206) 285-8282	Relinquished by:	þ			
Fax (206) 283-5044	Received by:				

FORMS\COC\COC SLRC.DOC



Cooler Receipt Form

ARI Client: FVICOMO	n + Brusci	Project Name	,		
COC No(s):	(NA	Delivered by: Fed-Ex UPS Cou		ered Other:	PESTAIEN
Assigned ARI Job No: XG	33	Tracking No: 45/4/8			NA NA
reliminary Examination Phase:		1720king 110			
Were intact, properly signed and d	ated custody seals attached to	the outside of to cooler?		YES	(NO)
Were custody papers included with	the cooler?		(YES)	NO
Were custody papers properly fille	d out (ink, signed, etc.)	*******		YEŞ	NO
Temperature of Cooler(s) (°C) (red Time:() づし				<u> </u>	
If cooler temperature is out of com	pliance fill out form 00070F		Temp Gun ID	#: < 1/2	27747
poler Accepted by:	A	Date: 912413 Time	: 1157		_
	Complete custody forms	and attach all shipping documents			
og-In Phase:					,
Was a temperature blank included	in the cooler?	•		YES	NO
What kind of packing material w		Wet Ice Gel Packs Baggies Foam	Block Paner (
Vas sufficient ice used (if appropr	•		NA	(ES)	NO
Vere all bottles sealed in individua	•		,	YES	(NO)
Did all bottles arrive in good condi	· -			(YES	NO
•				(YES	NO
		per of containers received?		(ES	NO
Did all bottle labels and tags agree	with custody papers?			(YES)	NO
Were all bottles used correct for the				Œŝ	NO
Oo any of the analyses (bottles) re	equire preservation? (attach pre	eservation sheet, excluding VOCs)	(NA	YES	NO
Were all VOC vials free of air bubl	oles?		(NA)	YES	NO
Was sufficient amount of sample s	sent in each bottle?	· · · · · · · · · · · · · · · · · · ·		YES	NO
Date VOC Trip Blank was made a	t ARI		(NA)		
Was Sample Split by ARI	YES Date/Time:	Equipment:		Split by:_	
amples Logged by:	AV Date	: 9/24/13 Time:	1246	,	
amples cogged by.	** Notify Project Manage	er of discrepancies or concerns **	10.4		
		-			NAME OF THE OWNER O
Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sam	ple ID on C	OC
=					
				_	
			_		
Astaliai and Maria Di	a O Danalostiana				
Additional Notes, Discrepancie	s, a resolutions:				
By Dai	e:				
Small Air Bubbles Peabubb		Small → "sm" (<2 mm)			
- 2mm 2-4 mm	ENGINEE IN COUNTY	Peabubbles > "pb" (2 to < 4 mm)			
		Large → "lg" (4 to < 6 mm)			
		Headspace → "hs" (>6 mm)			

0016F 3/2/10 Cooler Receipt Form

Revision 014

xagg: @@@@#

Sample ID Cross Reference Report



ARI Job No: XG33

Client: Friedman and Bruya, Inc

Project Event: 309396
Project Name: N/A

	Sample ID	ARI Lab ID	ARI LIMS ID	Matrix	Sample Date/Time	VTSR
1.	SLR-6-092313	XG33A	13-20400	Water	09/23/13 10:27	09/24/13 11:57
2.	DMW-3-092313	XG33B	13-20401	Water	09/23/13 12:14	09/24/13 11:57
3.	EMW-11S-092313	XG33C	13-20402	Water	09/23/13 13:32	09/24/13 11:57
4.	DMW-6-092313	XG33D	13-20403	Water	09/23/13 14:36	09/24/13 11:57
5.	EMW-6S-092313	XG33E	13-20404	Water	09/23/13 10:23	09/24/13 11:57
6.	EMW-7S-092313	XG33F	13-20405	Water	09/23/13 11:35	09/24/13 11:57
7.	HC-20-092313	XG33G	13-20406	Water	09/23/13 12:42	09/24/13 11:57
8.	DMW-2-092313	XG33H	13-20407	Water	09/23/13 13:53	09/24/13 11:57
9.	EMW-9S-092313	XG33I	13-20408	Water	09/23/13 15:11	09/24/13 11:57
10.	SLR-3-092313	XG33J	13-20409	Water	09/23/13 15:15	09/24/13 11:57
11.	SLR-2-092313	XG33K	13-20410	Water	09/23/13 12:50	09/24/13 11:57
12.	SLR-1-092313	XG33L	13-20411	Water	09/23/13 12:10	09/24/13 11:57
13.	EMW-2S-092313	XG33M	13-20412	Water	09/23/13 10:10	09/24/13 11:57
14.	EMW-1S-092313	XG33N	13-20413	Water	09/23/13 13:30	09/24/13 11:57
15.	SLR-7-092313	XG330	13-20414	Water	09/23/13 14:30	09/24/13 11:57

Printed 09/24/13 Page 1 of 1

X633:00005



Matrix: Water

Data Release Authorized: Reported: 10/07/13

Project: NA

Event: 309396

Date Sampled: 09/23/13

Date Received: 09/24/13

Client ID: SLR-6-092313 ARI ID: 13-20400 XG33A

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/26/13 092613#1	SM2540C	mg/L	5.0	224
Chloride	10/01/13 100113#1	SM4500-CLE	mg/L	2.0	11.5

RLAnalytical reporting limit

U Undetected at reported detection limit

Water Sample Report-XG33

3000: CESK



Matrix: Water

Data Release Authorized:

Reported: 10/07/13

Project: NA

Event: 309396

Date Sampled: 09/23/13 Date Received: 09/24/13

Client ID: DMW-3-092313 ARI ID: 13-20401 XG33B

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/26/13 092613#1	SM2540C	mg/L	5.0	200
Chloride	10/01/13 100113#1	SM4500-CLE	mg/L	5.0	11.4

RL Analytical reporting limit

U Undetected at reported detection limit

Water Sample Report-XG33

XG33:80667



Matrix: Water

Data Release Authorized:/

Reported: 10/07/13

Project: NA

Event: 309396

Date Sampled: 09/23/13

Date Received: 09/24/13

Client ID: EMW-11S-092313 ARI ID: 13-20402 XG33C

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/26/13 092613#1	SM2540C	mg/L	5.0	250
Chloride	10/01/13 100113#1	SM4500-CLE	mg/L	1.0	6.5

RL Analytical reporting limit

U Undetected at reported detection limit

Water Sample Report-XG33

SGGG: SEGK



Matrix: Water

Data Release Authorized

Reported: 10/07/13

Project: NA

Event: 309396 Date Sampled: 09/23/13

Date Received: 09/24/13

Client ID: DMW-6-092313 ARI ID: 13-20403 XG33D

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/26/13 092613#1	SM2540C	mg/L	5.0	230
Chloride	10/01/13 100113#1	SM4500-CLE	mg/L	5.0	11.3
RL Analytical reporting U Undetected at report		imit			

Water Sample Report-XG33

eddd: ceax



Matrix: Water

Data Release Authorized: Reported: 10/07/13

Project: NA

Event: 309396

Date Sampled: 09/23/13 Date Received: 09/24/13

Client ID: EMW-6S-092313 ARI ID: 13-20404 XG33E

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/26/13 092613#1	SM2540C	mg/L	5.0	225
Chloride	10/01/13 100113#1	SM4500-CLE	mg/L	1.0	6.8
RL Analytical reporting U Undetected at report		imit			

Water Sample Report-XG33

X633:00016



Matrix: Water

Data Release Authorized:

Reported: 10/07/13

Project: NA

Event: 309396

Date Sampled: 09/23/13 Date Received: 09/24/13

Client ID: EMW-7S-092313 ARI ID: 13-20405 XG33F

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/26/13 092613#1	SM2540C	mg/L	5.0	240
Chloride	10/01/13 100113#1	SM4500-CLE	mg/L	5.0	6.3

RL Analytical reporting limit

U Undetected at reported detection limit

Water Sample Report-XG33

XC99:00011



Matrix: Water

Data Release Authorized:

Reported: 10/07/13

Project: NA

Event: 309396

Date Sampled: 09/23/13 Date Received: 09/24/13

Client ID: HC-20-092313 ARI ID: 13-20406 XG33G

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/26/13 092613#1	SM2540C	mg/L	5.0	200
Chloride	10/01/13 100113#1	SM4500-CLE	mg/L	1.0	4.8

RL Analytical reporting limit

U Undetected at reported detection limit

Water Sample Report-XG33

X633:00012



Matrix: Water

Data Release Authorized:

Reported: 10/07/13

Project: NA

Event: 309396

Date Sampled: 09/23/13

Date Received: 09/24/13

Client ID: DMW-2-092313 ARI ID: 13-20407 XG33H

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/26/13 092613#1	SM2540C	mg/L	5.0	268
Chloride	10/01/13 100113#1	SM4500-CLE	mg/L	1.0	9.1

RL Analytical reporting limit

U Undetected at reported detection limit

Water Sample Report-XG33

E1666:666X



Matrix: Water

Data Release Authorized:

Reported: 10/07/13

Project: NA

Event: 309396

Date Sampled: 09/23/13 Date Received: 09/24/13

Client ID: EMW-9S-092313

ARI ID: 13-20408 XG33I

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/26/13 092613#1	SM2540C	mg/L	5.0	244
Chloride	10/01/13 100113#1	SM4500-CLE	mg/L	5.0	9.6

RL Analytical reporting limit

U Undetected at reported detection limit

Water Sample Report-XG33

PLOSO: SEGK



Matrix: Water

Data Release Authorized:

Reported: 10/07/13

Project: NA

Event: 309396

Date Sampled: 09/23/13

Date Received: 09/24/13

Client ID: SLR-3-092313 ARI ID: 13-20409 XG33J

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/26/13 092613#1	SM2540C	mg/L	13.3	1,250
Chloride	10/01/13 100113#1	SM4500-CLE	mg/L	20.0	42.2

RL Analytical reporting limit

U Undetected at reported detection limit



Matrix: Water

Data Release Authorized

Reported: 10/07/13

Project: NA

Event: 309396

Date Sampled: 09/23/13 Date Received: 09/24/13

Client ID: SLR-2-092313 ARI ID: 13-20410 XG33K

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/26/13 092613#1	SM2540C	mg/L	5.0	218
Chloride	10/01/13 100113#1	SM4500-CLE	mg/L	1.0	2.4

RL Analytical reporting limit

U Undetected at reported detection limit

Water Sample Report-XG33

X533:26615



Matrix: Water

Data Release Authorized

Reported: 10/07/13

Project: NA

Event: 309396

Date Sampled: 09/23/13

Date Received: 09/24/13

Client ID: SLR-1-092313 ARI ID: 13-20411 XG33L

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/26/13 092613#1	SM2540C	mg/L	5.0	259
Chloride	10/01/13 100113#1	SM4500-CLE	mg/L	2.0	11.7

RL Analytical reporting limit

U Undetected at reported detection limit

Water Sample Report-XG33

X633:00017



Matrix: Water

Data Release Authorized: Reported: 10/07/13

Project: NA

Event: 309396 Date Sampled: 09/23/13 Date Received: 09/24/13

Client ID: EMW-2S-092313 ARI ID: 13-20412 XG33M

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/26/13 092613#1	SM2540C	mg/L	5.0	234
Chloride	10/01/13 100113#1	SM4500-CLE	mg/L	5.0	10.0

RLAnalytical reporting limit

Ū Undetected at reported detection limit

Water Sample Report-XG33

XG33: 60618



Matrix: Water

Data Release Authorized

Reported: 10/07/13

Project: NA

Event: 309396 Date Sampled: 09/23/13 Date Received: 09/24/13

Client ID: EMW-1S-092313 ARI ID: 13-20413 XG33N

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	09/26/13 092613#1	SM2540C	mg/L	10.0	328
Chloride	10/01/13 100113#1	SM4500-CLE	mg/L	5.0	5.7

RLAnalytical reporting limit

U Undetected at reported detection limit

Water Sample Report-XG33

21999 : 2507.



Matrix: Water

Data Release Authorized Reported: 10/07/13

Project: NA

Event: 309396

Date Sampled: 09/23/13

Date Received: 09/24/13

Client ID: SLR-7-092313 ARI ID: 13-20414 XG330

Analyte	Date Batch	Method -	Units	RL	Sample
Total Dissolved Solids	09/26/13 092613#1	SM2540C	mg/L	5.0	268
Chloride	10/01/13 100113#1	SM4500-CLE	mg/L	1.0	6.7

RLAnalytical reporting limit

U Undetected at reported detection limit

Water Sample Report-XG33

X633:46626



Matrix: Water

Data Release Authorized: Reported: 10/07/13

Project: NA

Event: 309396
Date Sampled: 09/23/13 Date Received: 09/24/13

Analyte	Method	Date U	nits Sample	Spike	Spike Added	Recovery
ARI ID: XG33A	Client ID: SLR-6-09	92313				
Chloride	SM4500-CLE	10/01/13	ng/L 11.5	38.9	25.0	109.6%

Water MS/MSD Report-XG33

XGGG: GGGZ1



Matrix: Water

Data Release Authorized: Reported: 10/07/13

Project: NA

Event: 309396

Date Sampled: 09/23/13

Date Received: 09/24/13

Analyte	Method Date		Units Sample		Replicate(s)	RPD/RSD
ARI ID: XG33A Client	ID: SLR-6-09	2313				
Total Dissolved Solids	SM2540C	09/26/13	mg/L	224	226	0.9%
Chloride	SM4500-CLE	10/01/13	mg/L	11.5	11.4	0.9%

Water Replicate Report-XG33

MOGG: EEEZZ

LAB CONTROL RESULTS-CONVENTIONALS XG33-Friedman and Bruya, Inc



Matrix: Water
Data Release Authorized:
Reported: 10/07/13

Project: NA Event: 309396 Date Sampled: NA

Date Received: NA

Analyte/Method	QC ID	Date	Units	LCS	Spike Added	Recovery
Total Dissolved Solids SM2540C	ICVL	09/26/13	mg/L	490	500	98.0%

62000: 660X

METHOD BLANK RESULTS-CONVENTIONALS XG33-Friedman and Bruya, Inc



Matrix: Water
Data Release Authorized
Reported: 10/07/13

Project: NA Event: 309396 Date Sampled: NA

Date Received: NA

Analyte	Method	Date	Units	Blank	ID
Total Dissolved Solids	SM2540C	09/26/13	mg/L	< 5.0 U	
Chloride	SM4500-CLE	10/01/13	mg/L	< 1.0 U	FB
FB Filtration Blank					

Water Method Blank Report-XG33

7566: 666X

STANDARD REFERENCE RESULTS-CONVENTIONALS XG33-Friedman and Bruya, Inc



Matrix: Water

Data Release Authorized: Reported: 10/07/13

Project: NA

Event: 309396
Date Sampled: NA

Date Received: NA

Analyte/SRM ID	Method	Date	Units	SRM	True Value	Recovery
Chloride ERA #411010	SM4500-CLE	10/01/13	mg/L	5.0	5.0	100.0%

SAMPLE CHAIN OF CUSTODY ky 09-23-13 309396 Send Report To MIKE STATON

SAMPLERS (signature)

PROJECT NAME/NO. Ent Ave Terrainates, INC SITE CROWLEY 101.00205.00030 REMARKS Address 2018 20m Ave SE, Grado Company SLR INFRAGIOUM CORPORATION

☐ Return samples ☐ Will call with instructions Rush charges authorized by TURNAROUND TIME SAMPLE DISPOSAL ☐ Dispose after 30 days Standard (2 Weeks) O RUSH 101 009as:00030

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ANAI VSES REDITECTED

Fax # (175)403-8488

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City, State, ZIP Sortez, WA

Phone # (495) 403 8800

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Friedman & Bruya, Inc. Seattle, WA 98119-2029 3012 16th Avenue West Ph. (206) 285-8282

Samples received at_ Amanda Menzinist Relinquished by: Received by: Received by:

TIME

COMPANY

PRINT NAME

SIGNATURE

Relinquished by:

9/23/13 DATE

FORMS/COC/COC.DOC

Fax (206) 283-5044

SAMPLE CHAIN OF CUSTODY

Address 221/8 20th Ave SE, 6200 Company SCR International Con City, State, ZIP Bathall July 98021 Send Report To Mike Stato

Phone # 425-403 - 88 02 Fax #435-403 - 8488

SAMPLERS (signature)

Ry 09-23-13

101.000 Jar.00030 PROJECT NAME/NO. 101,000 20 20 20 30

REMARKS

☐ RUSH

Rush charges authorized by SAMPLE DISPOSAL ☐ Dispose after 30 days

Standard (2 Weeks)

☐ Return samples ☐ Will call with instructions

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3012 16th Avenue W Seattle, WA 98119-20 Friedman & Bruya, Ph. (206) 285-8282

Inc.	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Vest	Relinquished by: A.	Amanda Menginst	SUR	9133113	1620
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	Received by:		Samples received at	eived at	<u>ي</u> د

FORMS\COC\COC.DOC

Fax (206) 283-5044

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Kurt Johnson, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

November 19, 2013

Mike Staton SLR International Corp. 22118 20th Ave. SE., G-202 Bothell, WA 98021

Dear Mr. Staton:

Included are the amended results from the testing of material submitted on September 26, 2013 from the 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309475 project. The results for total and dissolved arsenic and selenium have been flagged due to matrix interference.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Crimbole Postet Poquiz

Michele Costales Poquiz

Chemist

Enclosures SLR1008R.DOC

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Kurt Johnson, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

October 8, 2013

Mike Staton SLR International Corp. 22118 20th Ave. SE., G-202 Bothell, WA 98021

Dear Mr. Staton:

Included are the results from the testing of material submitted on September 26, 2013 from the 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309475 project. There are 14 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Crushle Postel Poquiz

Michele Costales Poquiz

Chemist

Enclosures SLR1008R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on September 26, 2013 by Friedman & Bruya, Inc. from the SLR International Corp. 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309475 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID

SLR International Corp.

309475-01

CMW-7-092613

Total Metals by EPA Method 200.8

The reporting limits for copper, zinc and antimony were raised due to potential low level laboratory contamination.

Compounds in the sample matrix interfered with the quantitation of arsenic and selenium. The results have been flagged accordingly.

Dissolved Metals by EPA Method 200.8

The reporting limits for copper, zinc and antimony were raised due to potential low level laboratory contamination.

Compounds in the sample matrix interfered with the quantitation of arsenic and selenium. The results have been flagged accordingly.

Total Mercury by EPA Method 1631E

The reporting limit was raised due to potential low level laboratory contamination.

Dissolved Mercury by EPA Method 1631E

The reporting limit was raised due to potential low level laboratory contamination.

Total Suspended Solids by Method 2540D

All quality control requirements were acceptable.

Total Dissolved Solids by Method 2540C

The samples were sent to Analytical Resources, Inc. (ARI) for analysis. The report generated by ARI will be forwarded to your office upon receipt.

Chloride by Method SM4500

The samples were sent to ARI for analysis. The report generated by ARI will be forwarded to your office upon receipt.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: CMW-7-092613
Date Received: 09/26/13
Date Extracted: 09/27/13
Date Analyzed: 09/30/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309475-01

 Lab ID:
 309475-01

 Data File:
 309475-01.073

 Instrument:
 ICPMS1

 Operator:
 AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	66	60	125
Indium	64	60	125
Holmium	71	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 1.03 Nickel 3.80 Copper 10.5 Zinc < 2.50 Arsenic 4.31 ip Selenium 15.0 ip Silver < 0.0640 Cadmium < 0.0940 Antimony < 1.25 Barium 53.0 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix:	Method Blank Not Applicable 09/27/13 09/30/13 Water	Client: Project: Lab ID: Data File: Instrument:	SLR International Corp. Crowley 101.00205.00030 I3-618 mb I3-618 mb.011 ICPMS1
Units:	ug/L (ppb)	Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	98	60	125
Indium	101	60	125
Holmium	98	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	< 0.138
Nickel	< 0.460
Copper	< 2.00
Zinc	< 2.50
Arsenic	< 0.150
Selenium	< 0.560
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	<1.25
Barium	< 0.260
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID: Date Received: Date Extracted:	CMW-7-092613 09/26/13 09/30/13
Date Analyzed:	10/02/13
Matrix:	Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309475-01
Data File:	309475-01.063
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	79	60	125
Indium	77	60	125
Holmium	80	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	0.575
Nickel	5.55
Copper	8.33
Zinc	< 2.50
Arsenic	4.54 ip
Selenium	15.4 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	<1.25
Barium	51.4
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SLR International Corp.
Date Received:	Not Applicable	Project:	Crowley 101.00205.00030
Date Extracted:	09/30/13	Lab ID:	I3-622 mb
Date Analyzed:	10/02/13	Data File:	I3-622 mb.044
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	83	60	125
Indium	83	60	125
Holmium	85	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	< 0.138
Nickel	< 0.460
Copper	< 2.00
Zinc	< 2.50
Arsenic	< 0.150
Selenium	< 0.560
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	<1.25
Barium	< 0.260
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/13 Date Received: 09/26/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309475

Date Extracted: 09/30/13 Date Analyzed: 10/03/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Results Reported as ug/L (ppb)

Sample ID
Laboratory ID

CMW-7-092613
309475-01

Method Blank

County Total Mercury

0.0015

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/13 Date Received: 09/26/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309475

Date Extracted: 09/30/13 Date Analyzed: 10/01/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED MERCURY USING EPA METHOD 1631E

Results Reported as ug/L (ppb)

Sample ID Laboratory ID Dissolved Mercury

CMW-7-092613

Method Blank

< 0.0015

309475-01

< 0.0015

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/13 Date Received: 09/26/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309475

Date Extracted: NA Date Analyzed: 9/30/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL SUSPENDED SOLIDS BY METHOD 2540D

Results Reported as mg/L (ppm)

Sample ID Laboratory ID	Total Suspended <u>Solids</u>
CMW-7-092613 309475-01	<10
Method Blank	<10

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/13 Date Received: 09/26/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309475

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 309420-01 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Beryllium	ug/L (ppb)	5	< 0.0980	103	101	67-145	2
Chromium	ug/L (ppb)	20	0.601	101	103	64-132	2
Nickel	ug/L (ppb)	20	3.34	97	95	61-128	2
Copper	ug/L (ppb)	20	< 2.00	100	97	63-124	3
Zinc	ug/L (ppb)	50	< 2.50	98	95	55-141	3
Arsenic	ug/L (ppb)	10	0.321 ip	104	103	60-150	1
Selenium	ug/L (ppb)	5	<0.560 ip	105	106	43-178	1
Silver	ug/L (ppb)	5	< 0.0640	96	99	71-115	3
Cadmium	ug/L (ppb)	5	< 0.0940	102	100	83-116	2
Antimony	ug/L (ppb)	20	<1.25	101	101	62-125	0
Barium	ug/L (ppb)	50	10.3	103 b	100 b	79-126	3 b
Thallium	ug/L (ppb)	5	< 0.0740	98	96	73-119	2
Lead	ug/L (ppb)	10	< 0.144	96	95	79-121	1

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Beryllium	ug/L (ppb)	5	104	73-135
Chromium	ug/L (ppb)	20	106	80-119
Nickel	ug/L (ppb)	20	105	79-122
Copper	ug/L (ppb)	20	112	81-119
Zinc	ug/L (ppb)	50	102	76-124
Arsenic	ug/L (ppb)	10	99	80-111
Selenium	ug/L (ppb)	5	103	81-119
Silver	ug/L (ppb)	5	106	80-116
Cadmium	ug/L (ppb)	5	103	83-113
Antimony	ug/L (ppb)	20	102	79-108
Barium	ug/L (ppb)	50	105	83-117
Thallium	ug/L (ppb)	5	102	78-116
Lead	ug/L (ppb)	10	99	83-115

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/13 Date Received: 09/26/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309475

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED METALS USING EPA METHOD 200.8

	Reporting	Spike	Percent Recovery	Percent Recovery	Acceptance	RPD
_Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Beryllium	ug/L (ppb)	5	97	91	73-135	6
Chromium	ug/L (ppb)	20	100	94	80-119	6
Nickel	ug/L (ppb)	20	100	95	79-122	5
Copper	ug/L (ppb)	20	98	95	81-119	3
Zinc	ug/L (ppb)	50	98	93	76-124	5
Arsenic	ug/L (ppb)	10	96	92	80-111	4
Selenium	ug/L (ppb)	5	104	92	81-119	12
Silver	ug/L (ppb)	5	104	99	80-116	5
Cadmium	ug/L (ppb)	5	99	96	83-113	3
Antimony	ug/L (ppb)	20	99	97	79-108	2
Barium	ug/L (ppb)	50	106	101	83-117	5
Thallium	ug/L (ppb)	5	103	103	78-116	0
Lead	ug/L (ppb)	10	100	97	83-115	3

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/13 Date Received: 09/26/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309475

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Laboratory Code: 309420-01 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Mercury	ug/L (ppb)	0.01	< 0.0015	96	99	63-132	3

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Mercury	ug/L (ppb)	0.01	103	78-118

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/13 Date Received: 09/26/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309475

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED MERCURY USING EPA METHOD 1631E

J	J	ı	Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Mercury	ug/L (ppb)	0.01	99	100	78-118	1

ENVIRONMENTAL CHEMISTS

Date of Report: 10/08/13 Date Received: 09/26/13

Project: 8th Ave Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309475

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL SUSPENDED SOLIDS BY METHOD 2540D

Laboratory Code: 309514-01 (Duplicate)

				Relative	
	Reporting	Sample	Duplicate	Percent	Acceptance
Analyte	Units	Result	Result	Difference	Criteria
TSS	mg/L	<10	<10	nm	0-20

			Percent	Percent		,
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
TSS	mg/L	50	83	91	61-131	9

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 More than one compound of similar molecule structure was identified with equal probability.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte indicated may be due to carryover from previous sample injections.
- d The sample was diluted. Detection limits may be raised due to dilution.
- ds The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb Analyte present in the blank and the sample.
- fc The compound is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht Analysis performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j The result is below normal reporting limits. The value reported is an estimate.
- \boldsymbol{J} The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the compound indicated is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- $\,$ nm $\,$ The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



October 9, 2013

Michele Costales Poquiz Friedman & Bruya 3012 16th Ave W Seattle, WA 98119

RE: Project: 309475 ARI Job No.: XH33

Dear Michele:

Please find enclosed the Chain-of-Custody record (COC), sample receipt documentation, and the final data for the samples from the project referenced above. Analytical Resources, Inc. (ARI) accepted one water sample on September 30, 2013 under ARI job XH33. For further details regarding sample receipt, please refer to the enclosed Cooler Receipt Form.

The sample was analyzed for chloride and TDS, as requested on the COC.

There were no anomalies associated with the analyses of this sample.

An electronic copy of this report and all associated raw data will be kept on file at ARI. Should you have any questions or concerns, please feel free to call me at your convenience.

Respectfully.

ANALYTICAL RESOURCES, INC.

Cheronne Oreiro **Project Manager** (206) 695-6214

cheronneo@arilabs.com

www.arilabs.com

cc: eFile XH33

Enclosures

X4133

SAMPLE CHAIN OF CUSTODY

Analytical Resources, Inc. (ARI) PROJECT NAME/NO. 309475 C -Sb	XStandard Turnaround Rush charges authorized by:
·	X Standard Turnaround RUSH Rush charges authorized by:
C-54	Rush charges authorized by:
	SAMPLE DISPOSAL
	☐ Dispose after 30 days
Please e-mail results	E Return samples
	☐ Will call with instructions
ELECTRONIC DATA REQUESTED (EIM)	Samples Received at°C
ail results REQUESTED (EIM)	

	Notes						
	-						
	Chloride by SM4500	X					
CED	TDS by 2540C	X					
ANALYSES REQUESTED	Total Organic M090e yd nodraO						
ES RE	TO standard Cr A9617 vd						
LYS	HFS						
ANA	SAOCs py 8270						
	VOCs by 8260						
	BTEX by 8021B						
	TPH-Gasoline						
	leesiG-HqT						
	# of containers	4			CONTRACT OF		
	Sample Type	water					
	Time Sampled	んミ					
	Date Sampled	व/जर/13					
	Lab ID						
	Sample ID	CMW-7-092613					

rriedman & Druya, inc.	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
3012 16th Avenue West	Relinguished by the Pozi-	Michael Costales Poquiz	F\$ B)	el)3013	4/39/19 12:12 PM
Seattle, WA 98119-2029	Received by:	Tala Streeter	ART	9-30.13	2241
Ph. (206) 285-8282	Relinquished by:				
Fax (206) 283-5044	Received by:				

FORMS\COC\COC SLRC,DOC

XH33:00002



Cooler Receipt Form

ARI Client. Frizing	7 Rruga	Project Name			
COC No(s)	&A	Delivered by, Fed-Ex UPS Cour	ner Hand Deli	vered Other:	Postal &
Assigned ARI Job No. XH33		Tracking No:			
Preliminary Examination Phase:					
Were intact, properly signed and dated custodys	seals attached to	o the outside of to cooler?		YES	NO,
Were custody papers included with the cooler? .				YES	NO
Were custody papers properly filled out (ink, sign	ned, etc.)			YES	NO
Temperature of Cooler(s) (°C) (recommended 2 Time	. ,			- 	
If cooler temperature is out of compliance fill out	form 00070F	_			71552
Cooler Accepted by:	13	Date9-30-11Time	147	25	
Complete		and attach all shipping documents			
Log-In Phase:					
Was a temperature blank included in the cooler?)			YES	(NO)
What kind of packing material was used?		p Wet Ice Gel(Pack's Baggies Foam	Block Paper		\! !>
Was sufficient ice used (if appropriate)?			NA	(FES,	NO
Were all bottles sealed in individual plastic bags'				YES	(NQ
Did all bottles arrive in good condition (unbroken				(YES)	NO
Were all bottle labels complete and legible?				(YES	NO
Did the number of containers listed on COC mat	ch with the num	ber of containers received?		(YES	NO
Did all bottle labels and tags agree with custody	papers?			(ES	NO
Were all bottles used correct for the requested a	nalyses?			Æ\$	NO
Do any of the analyses (bottles) require preserva	ation? (attach pr	reservation sheet, excluding VOCs)	(NA	YES	NO
Were all VOC vials free of air bubbles?		·	(NA)	YES	NO
Was sufficient amount of sample sent in each bo	ottle?			(YES	NO
Date VOC Trip Blank was made at ARI			(NA		
Was Sample Split by ARI · NA YES	Date/Time ⁻	Equipment:		Split by	
Samples Logged by	Date	e: <u>9/30/13</u> Time	1430	2	
		er of discrepancies or concerns **		<u>- </u>	
Sample ID on Bottle Sample	ID on COC	Sample ID on Bottle	Sam	ple ID on C	oc '
·					
Additional Notes, Discrepancies, & Resolution	ns:				
By. Date:		Small → "sm" (<2 mm)			
1	E Air Bubbles > 4 mm	Peabubbles > "pb" (2 to < 4 mm)			
		Large > " g" (4 to < 6 mm)			
	-	Headspace > "hs" (>6 mm)			

0016F 3/2/10 Cooler Receipt Form

Revision 014

SOGO: SCHX

Sample ID Cross Reference Report



ARI Job No: XH33

Client: Friedman and Bruya, Inc

Project Event: 309475
Project Name: N/A

	Sample ID	ARI Lab ID	ARI LIMS ID	Matrix	Sample Date/Time	VTSR
1.	CMW-7-092613	хнзза	13-21145	Water	09/26/13 11:12	09/30/13 14:25

Printed 09/30/13 Page 1 of 1

HBBBB: CEHX

SAMPLE RESULTS-CONVENTIONALS XH33-Friedman and Bruya, Inc



Matrix: Water

Data Release Authorized

Reported: 10/09/13

Project: NA

Event: 309475
Date Sampled: 09/26/13
Date Received: 09/30/13

Client ID: CMW-7-092613 ARI ID: 13-21145 XH33A

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/01/13 100113#1	SM2540C	mg/L	50.0	2,380
Chloride	10/08/13 100813#1	SM4500-CLE	mg/L	200	1,260

RL Analytical reporting limit

U Undetected at reported detection limit

Water Sample Report-XH33

X1-133 : 20065

REPLICATE RESULTS-CONVENTIONALS XH33-Friedman and Bruya, Inc



Matrix: Water

Data Release Authorized

Reported: 10/09/13

Project: NA

Event: 309475 Date Sampled: 09/26/13 Date Received: 09/30/13

Analyte	Method	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: XH33A Client	ID: CMW-7-0	92613				_
Total Dissolved Solids	SM2540C	10/01/13	mg/L	2,380	2,500	4.9%

Water Replicate Report-XH33

xios: obses

LAB CONTROL RESULTS-CONVENTIONALS XH33-Friedman and Bruya, Inc



Matrix: Water
Data Release Authorized:
Reported: 10/09/13

Project: NA Event: 309475 Date Sampled: NA

Date Received: NA

Analyte/Method	QC ID	Date	Units	LCS	Spike Added	Recovery
Total Dissolved Solids SM2540C	ICAT	10/01/13	mg/L	494	500	98.8%

Water Lab Control Report-XH33

XH3G: 00007

METHOD BLANK RESULTS-CONVENTIONALS XH33-Friedman and Bruya, Inc



Matrix: Water Data Release Authorized: Reported: 10/09/13

Project: NA
Event: 309475
Date Sampled: NA

Date Received: NA

Analyte	Method	Date	Units	Blank	ID
Total Dissolved Solids	SM2540C	10/01/13	mg/L	< 5.0 U	
Chloride	SM4500-CLE	10/08/13	mg/L	< 1.0 U	FB
FB Filtration Blank					

SGGGG: CCHX

STANDARD REFERENCE RESULTS-CONVENTIONALS XH33-Friedman and Bruya, Inc



Matrix: Water
Data Release Authorized:
Reported: 10/09/13

Project: NA
Event: 309475
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Method	Date	Units	SRM	True Value	Recovery
Chloride ERA #411010	SM4500-CLE	10/08/13	mg/L	4.9	5.0	98.0%

TURNAROUND TIME Rush charges authorized by ☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions SAMPLE DISPOSAL Standard (2 Weeks) 09/20/13 **DRUSH** 101.00265,00030 PO# h Y SAMPLERS (signature) SAMPLE CHAIN OF CUSTODY PROJECT NAME/NO. 2000/2018 REMARKS Phone # 425-402-884 Fax # 435-403-8488 Company SLR International Corp Address 22118 20th Ave 59, Gaos City, State, ZIP Both 111, WA, 98021 Send Report To Mike Staton 309475

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# of containers	و									
Sample Type	NAMER									
Time Sampled	7111					·				
Date Sampled	SILABIL									1
Lab	0/ A-F									
Sample ID										
	Lab Date Time # of Time Assoline # of TPH-Gasoline BTEX by 8270 HFS CASSOLING Sampled Sampled Containers TPH-Gasoline BTEX by 8270 HFS CASSOLING SAMPLED SAMPL	Lab Date Time Sample Type containers # of TPH-Gasoline # of TPH-Ga	Lab Date Time # of # of Time Sample Type # of TPH-Gasoline HFS PASSO SAMPLE Type Containers PH-Gasoline HFS PASSO SAMPLE TYPH-Gasoline TYPH-Gaso	Lab Date Time # of Sample Type # of Sampled Sa	Lab Date Time Sample Type and the Sample Type containers by 8021B VOCs by 8270 TPH-Gasoline BTEX by 8021B VOCs by 8270 TPH-Gasoline Sampled Sample	Lab Date Time Sampled Sample Type Containers TPH-Gasoline A-A-H TPH-Gasoline SVOCs by 8270 TPH-Gasoline A-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-	Time Sampled S	Lab Date Time Date Time Sampled Sample Type Containers A Sampled Sample Type Containers A Sampled Sampled Type Sampled Sampled Type A Sample	Date Time Sampled Sample Type Containers A Sample Type BTEX by 8021B VOCs by 8270 A Strict Container TPH-Diesel TPH-Diesel A Strict Container A Strict Contain	Sample Type Containers Time Sample Type Containers Sample Type Containers And Containers Sample Type Containers And Conta

Friedman & Bruya, Inc. 3012 16th Avenue West Seattle, WA 98119-2029 Ph. (206) 285-8282

Fax (206) 283-5044

FORMS/COC/COC.DOC

(250 TIME 1250 2)26/6 9 26 13 DATE COMPANY 大路 Amanda Mengaist Johnson PRINT NAME SIGNATURE Relinquished by: Relinquished by: Received by: Received by:

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Kurt Johnson, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

November 21, 2013

Mike Staton SLR International Corp. 22118 20th Ave. SE., G-202 Bothell, WA 98021

Dear Mr. Staton:

Included are the amended results from the testing of material submitted on September 30, 2013 from the 8th Avenue Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309543 project. The arsenic and selenium results for sample ENW-14D-093013 have been flagged.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Crimbole Postel Poquiz

Michele Costales Poquiz

Chemist

Enclosures SLR1105R.DOC

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Kurt Johnson, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

November 5, 2013

Mike Staton SLR International Corp. 22118 20th Ave. SE., G-202 Bothell, WA 98021

Dear Mr. Staton:

Included are the results from the testing of material submitted on September 30, 2013 from the 8th Avenue Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309543 project. There are 84 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Crimbole Postel Poquiz

Michele Costales Poquiz

Chemist

Enclosures SLR1105R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on September 30, 2013 by Friedman & Bruya, Inc. from the SLR International Corp. 8th Avenue Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309543 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	SLR International Corp.
309543-01	CMW-5-093013
309543-02	DMW-2-093013
309543-03	EMW-9S-093013
309543-04	CMW-3-093013
309543-05	EMW-1S-093013
309543-06	EMW-14D-093013
309543-07	EMW-11S-093013
309543-08	DMW-3-093013
309543-09	TB-093013
309543-06 309543-07 309543-08	EMW-14D-093013 EMW-11S-093013 DMW-3-093013

<u>Total Petroleum Hydrocarbons as Gasoline by Method NWTPH-Gx</u>

All quality control requirements were acceptable.

<u>Total Petroleum Hydrocarbons as Diesel and Motor Oil by Method NWTPH-Dx with Silica Gel</u>

All quality control requirements were acceptable.

Volatile Compounds by EPA Method 8260C

The trip blank sample was received with incorrect preservation for the 8260 analysis of vinyl chloride. In addition, only preserved vials were available for the dilution of the sample DMW-3-093013, therefore vinyl chloride was analyzed with incorrect preservation. The results should be considered estimates.

The presence of methylene chloride in the trip blank sample is likely due to laboratory contamination. The result has been flagged accordingly.

The percent recovery for the matrix spike (MS), laboratory control sample (LCS), and laboratory control sample duplicate (LCSD) failed high for bromomethane. This analyte was not identified in the samples, therefore the results are valid.

Semivolatile Organic Compounds by EPA Method 8270D

The samples DMW-2-093013 and DMW-3-093013 were diluted due to matrix interferences. The reporting limits have been raised accordingly.

The calibration result for 4,6-dinitro-2-methylphenol fell outside of acceptance criteria for the samples DMW-2-093013, EMW-9S-093013, EMW-11S-093013 and DMW-3-093013. The values reported are estimates.

ENVIRONMENTAL CHEMISTS

The presence of bis(2-ethylhexyl) phthalate in the samples DMW-2-093013, EMW-9S-093013, CMW-3-093013, EMW-11S-093013, and the method blank is likely due to laboratory contamination. The results have been flagged accordingly.

The relative percent difference (RPD) for the LCS/LCSD failed high for 2,4-dimethylphenol and 2,4-dinitrophenol. These analytes were not identified in the samples, therefore the results are valid.

<u>Semivolatile Organic Compounds by EPA Method 8270D SIM</u> The samples DMW-2-093013 and DMW-3-093013 were diluted due to matrix interferences. The reporting limits have been raised accordingly.

Polychlorinated Biphenyls as Aroclor 1016/1260 by EPA Method 8082A All quality control requirements were acceptable.

Total Metals by EPA Method 200.8

Compounds in the sample matrix interfered with the quantitation of arsenic and selenium. The results have been flagged accordingly.

The internal standard associated with several analytes exceeded acceptance criteria for the samples CMW-3-093013 and EMW-14D-093013. The samples were diluted and reanalyzed. The results for the full strength and the dilution analyses are included.

Dissolved Metals by EPA Method 200.8

Arsenic, selenium and copper were not reported. Please see the report issued by Applied Speciation and Consulting (ASC) for results for these analytes.

The internal standard associated with several analytes exceeded acceptance criteria for the samples CMW-3-093013 and EMW-14D-093013. The samples were diluted and reanalyzed. The results for the full strength and the dilution analyses are included.

Total Mercury by EPA Method 1631E

The reporting limit was raised due to potential low level laboratory contamination.

Dissolved Mercury by EPA Method 1631E

The reporting limit was raised due to potential low level laboratory contamination.

Total Suspended Solids by Method 2540D

All quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Total Dissolved Solids by Method 2540C

The samples were sent to Analytical Resources, Inc. (ARI) for analysis. The report generated by ARI is enclosed.

Chloride by Method SM4500

The samples were sent to ARI for analysis. The report generated by ARI is enclosed.

Dissolved Metals by ICP-DRC-MS

The samples were sent to Applied Speciation and Consulting (ASC) for analysis. The report generated by ASC is enclosed.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/30/13

Project: 8th Avenue Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309543

Date Extracted: 10/07/13 Date Analyzed: 10/07/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 51-134)
CMW-5-093013 309543-01	<12	80
DMW-2-093013 309543-02	32	84
EMW-9S-093013 309543-03	<12	78
CMW-3-093013 309543-04	<12	78
EMW-1S-093013 309543-05	<12	80
EMW-14D-093013 309543-06	<12	77
EMW-11S-093013 309543-07	<12	77
DMW-3-093013 309543-08	710	87
Method Blank 03-1960 MB	<12	76

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/30/13

Project: 8th Avenue Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309543

Date Extracted: 10/03/13 Date Analyzed: 10/11/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx Sample Extracts Passed Through a Silica Gel Column Prior to Analysis

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C ₁₀ -C ₂₅)	Motor Oil Range (C ₂₅ -C ₃₆)	Surrogate (% Recovery) (Limit 51-134)
CMW-5-093013 309543-01	< 6.9	<52	91
DMW-2-093013 309543-02	100 x	<52	92
EMW-9S-093013 309543-03	<6.9	<52	98
CMW-3-093013 309543-04	<6.9	<52	93
EMW-1S-093013 309543-05	<6.9	<52	97
EMW-14D-093013 309543-06	<6.9	<52	80
EMW-11S-093013 309543-07	<6.9	<52	110
DMW-3-093013 309543-08	2,500 x	<52	. 94
Method Blank 03-1982 MB	<6.9	<52	84

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	CMW-5-093013	Client:	SLR International Corp.
Date Received:	09/30/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	309543-01
Date Analyzed:	10/07/13	Data File:	100727.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
-		•	
Dichlorodifluoromethane Chloromethane	<0.16 <0.22	1,3-Dichloropropane Tetrachloroethene	<0.2 <0.28
	<0.22 0.57	Dibromochloromethane	<0.28 <0.24
Vinyl chloride Bromomethane	<0.2		<0.24 <0.24
Chloroethane	<0.2 <0.18	1,2-Dibromoethane (EDB) Chlorobenzene	<0.24
Trichlorofluoromethane	<0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	<0.32 <0.5
1,1-Dichloroethene	< 0.19	m,p-Xylene	<0.5 <0.22
Methylene chloride	<3	o-Xylene	
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	<0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	<0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	<0.24	Bromobenzene	< 0.18
Chloroform	<0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	DMW-2-093013	Client:	SLR International Corp.
Date Received:	09/30/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	309543-02
Date Analyzed:	10/07/13	Data File:	100729.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	99	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	0.30	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	0.26
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	0.15	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	3.5
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-9S-093013	Client:	SLR International Corp.
Date Received:	09/30/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	309543-03
Date Analyzed:	10/07/13	Data File:	100730.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (nnh)	Operator:	IS

		rowei.	Opper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	< 2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	0.25	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	CMW-3-093013	Client:	SLR International Corp.
Date Received:	09/30/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	309543-04
Date Analyzed:	10/07/13	Data File:	100731.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	99	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	< 2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-1S-093013	Client:	SLR International Corp.
Date Received:	09/30/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	309543-05
Date Analyzed:	10/07/13	Data File:	100732.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L. (ppb)	Operator:	IS

		Lower	∪pper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	<0.2
Chloromethane	<0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	<0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-14D-093013	Client:	SLR International Corp.
Date Received:	09/30/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	309543-06
Date Analyzed:	10/07/13	Data File:	100733.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	<0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	< 2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-11S-093013	Client:	SLR International Corp.
Date Received:	09/30/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	309543-07
Date Analyzed:	10/07/13	Data File:	100734.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	101	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	< 0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	DMW-3-093013	Client:	SLR International Corp.
Date Received:	09/30/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	309543-08
Date Analyzed:	10/07/13	Data File:	100735.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	98	50	150
4-Bromofluorobenzene	98	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	0.35
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	0.33
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	0.71	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	0.25
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	1.5
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	0.24
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	620 ve
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	DMW-3-093013	Client:	SLR International Corp.
Date Received:	09/30/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	309543-08 1/10
Date Analyzed:	10/08/13	Data File:	100832.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (pph)	Operator:	IS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	102	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	<1.6	1,3-Dichloropropane	<2
Chloromethane	<2.2	Tetrachloroethene	<2.8
Vinyl chloride	<1.3 pr	Dibromochloromethane	< 2.4
Bromomethane	<2	1,2-Dibromoethane (EDB)	< 2.4
Chloroethane	<1.8	Chlorobenzene	<1
Trichlorofluoromethane	<1.7	Ethylbenzene	<1.6
Acetone	<26	1,1,1,2-Tetrachloroethane	< 3.2
1,1-Dichloroethene	<1.9	m,p-Xylene	<5
Methylene chloride	<30	o-Xylene	<2.2
Methyl t-butyl ether (MTBE)	<1.3	Styrene	<2.2
trans-1,2-Dichloroethene	< 2.4	Isopropylbenzene	< 1.5
1,1-Dichloroethane	<1.8	Bromoform	<2.2
2,2-Dichloropropane	<3	n-Propylbenzene	<1.4
cis-1,2-Dichloroethene	<2.4	Bromobenzene	<1.8
Chloroform	<2.4	1,3,5-Trimethylbenzene	<1.8
2-Butanone (MEK)	< 9.4	1,1,2,2-Tetrachloroethane	< 2.4
1,2-Dichloroethane (EDC)	<1.1	1,2,3-Trichloropropane	<2.8
1,1,1-Trichloroethane	<2	2-Chlorotoluene	<1.3
1,1-Dichloropropene	<2.6	4-Chlorotoluene	<1.6
Carbon tetrachloride	<2.4	tert-Butylbenzene	<1.5
Benzene	<1.3	1,2,4-Trimethylbenzene	2.2
Trichloroethene	<1.7	sec-Butylbenzene	<1.2
1,2-Dichloropropane	<3.2	p-Isopropyltoluene	<1.5
Bromodichloromethane	<3.8	1,3-Dichlorobenzene	<1.5
Dibromomethane	<2.8	1,4-Dichlorobenzene	<0.94 j
4-Methyl-2-pentanone	<13	1,2-Dichlorobenzene	<1.3
cis-1,3-Dichloropropene	<2	1,2-Dibromo-3-chloropropane	<4.4 j
Toluene	<1.3	1,2,4-Trichlorobenzene	< 3.4
trans-1,3-Dichloropropene	<3.4	Hexachlorobutadiene	< 4.6
1,1,2-Trichloroethane	<2.8	Naphthalene	660
2-Hexanone	<10	1,2,3-Trichlorobenzene	<3.8

ENVIRONMENTAL CHEMISTS

Client Sample ID:	TB-093013	Client:	SLR International Corp.
Date Received:	09/30/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	309543-09
Date Analyzed:	10/07/13	Data File:	100728.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	98	50	150
4-Bromofluorobenzene	97	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	<0.13 pr	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	8.6 lc	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SLR International Corp.
Date Received:	N/A	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	03-1992 mb

Date Analyzed: 10/07/13 Data File: 100726.D Matrix: Water Instrument: GCMS9 Units: ug/L (ppb) Operator: JS

Lower Upper Surrogates: Limit: Limit: % Recovery: 1,2-Dichloroethane-d4 99 50 150 Toluene-d8 99 50 150 4-Bromofluorobenzene 99 50 150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	<0.44 j
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	CMW-5-0930	13	Client:	SLR International Corp.
Date Received:	09/30/13		Project:	Crowley 101.00205.00030
Date Extracted:	10/03/13		Lab ID:	309543-01
Date Analyzed:	10/04/13		Data File:	100408.D
Matrix:	Water		Instrument:	GCMS8
Units:	ug/L (ppb)		Operator:	VM
			Lower	Upper
Surrogates:		% Recovery:	Limit:	Limit:
2-Fluorophenol		41	32	162
Phenol-d6		29	10	170
Nitrobenzene-d5		99	50	150
2-Fluorobiphenyl		96	43	158
2,4,6-Tribromophen	ıol	117	43	146
Terphenyl-d14 *		94	39	168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlor obenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	< 0.17
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	DMW-2-0930 09/30/13 10/03/13 10/07/13 Water ug/L (ppb)	13	Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. Crowley 101.00205.00030 309543-02 100704.D GCMS8 VM
Surrogates: 2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromopher Terphenyl-d14	nol	% Recovery: 54 37 106 103 135 111	Lower Limit: 32 10 50 43 43 39	Upper Limit: 162 170 150 158 146 168

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Phenol	0.18	2,4,6-Trichlorophenol	<0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	2.0
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	<0.38 ca
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	3.4
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.17 fb
2-Methylnaphthalene	16 ve	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	DMW-2-09301 09/30/13 10/03/13 10/07/13 Water ug/L (ppb)	3	Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. Crowley 101.00205.00030 309543-02 1/10 100709.D GCMS8 VM
Surrogates: 2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromophen Terphenyl-d14		% Recovery: 57 ds 31 ds 90 ds 100 ds 111 ds 137 ds	Lower Limit: 32 10 50 43 43	Upper Limit: 162 170 150 158 146 168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	<1.4	2,4,6-Trichlorophenol	<2.8
Bis(2-chloroethyl) ether	< 0.6	2,4,5-Trichlorophenol	<2.2
2-Chlorophenol	< 1.6	2-Chloronaphthalene	< 0.44
1,3-Dichlorobenzene	< 0.34	2-Nitroaniline	< 0.86
1,4-Dichlorobenzene	< 0.34	Dimethyl phthalate	< 0.5
1,2-Dichlorobenzene	< 0.24	2,6-Dinitrotoluene	< 0.62
Benzyl alcohol	<4	3-Nitroaniline	< 4.6
Bis(2-chloroisopropyl) ether	< 0.3	2,4-Dinitrophenol	<24
2-Methylphenol	<2.6	Dibenzofuran	1.9
Hexachloroethane	< 0.6	2,4-Dinitrotoluene	< 0.56
N-Nitroso-di-n-propylamine	<1.1	4-Nitrophenol	<13
3-Methylphenol + 4-Methylphenol	<4.2	Diethyl phthalate	< 0.6
Nitrobenzene	< 0.44	4-Chlorophenyl phenyl ether	< 0.72
Isophorone	< 0.3	N-Nitrosodiphenylamine	< 0.5
2-Nitrophenol	<1.7	4-Nitroaniline	< 5.6
2,4-Dimethylphenol	<2.8	4,6-Dinitro-2-methylphenol	<3.8 ca
Benzoic acid	<140	4-Bromophenyl phenyl ether	< 0.56
Bis(2-chloroethoxy)methane	< 0.34	Hexachlorobenzene	< 0.5
2,4-Dichlorophenol	< 2.6	Pentachlorophenol	<3.2
1,2,4-Trichlorobenzene	< 0.5	Carbazole	3.2
Hexachlorobutadiene	< 0.7	Di-n-butyl phthalate	< 0.68
4-Chloroaniline	< 0.56	Benzyl butyl phthalate	< 0.86
4-Chloro-3-methylphenol	<2.4	Bis(2-ethylhexyl) phthalate	<1.7
2-Methylnaphthalene	14	Di-n-octyl phthalate	< 0.44
Hexachlorocyclopentadiene	< 0.94		

ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	EMW-9S-093013 09/30/13 10/03/13 10/07/13 Water ug/L (ppb)		Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. Crowley 101.00205.00030 309543-03 100710.D GCMS8 VM
Surrogates: 2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromopheno Terphenyl-d14	ol	ecovery: 52 32 95 99 125 109	Lower Limit: 32 10 50 43 43 39	Upper Limit: 162 170 150 158 146 168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	< 2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	0.077
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	<0.38 ca
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	0.18
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.17 fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	CMW-3-093013	Client:	SLR International Corp.
Date Received:	09/30/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/03/13	Lab ID:	309543-04
Date Analyzed:	10/04/13	Data File:	100410.D
Matrix:	Water	Instrument:	GCMS8
Units:	ug/L (ppb)	Operator:	VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	54	32	162
Phenol-d6	38	10	170
Nitrobenzene-d5	96	50	150
2-Fluorobiphenyl	97	43	158
2,4,6-Tribromophenol	114	43	146
Terphenyl-d14	99	39	168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	0.24	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	< 2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.28 fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-1S-093013	Client:	SLR International Corp.
Date Received:	09/30/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/03/13	Lab ID:	309543-05
Date Analyzed:	10/04/13	Data File:	100411.D
Matrix:	Water	Instrument:	GCMS8
Units:	ug/L (ppb)	Operator:	VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	41	32	162
Phenol-đ6	28	10	170
Nitrobenzene-d5	94	50	150
2-Fluorobiphenyl	92	43	158
2,4,6-Tribromophenol	115	43	146
Terphenyl-d14	82	39	168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	< 0.17
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-14D-09	93013	Client:	SLR International Corp.
Date Received:	09/30/13		Project:	Crowley 101.00205.00030
Date Extracted:	10/03/13		Lab ID:	309543-06
Date Analyzed:	10/04/13		Data File:	100412.D
Matrix:	Water		Instrument:	GCMS8
Units:	ug/L (ppb)		Operator:	VM
Surrogates: 2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromopheno Terphenyl-d14	ol	% Recovery: 50 36 85 85 79 85	Lower Limit: 32 10 50 43 43 39	Upper Limit: 162 170 150 158 146 168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	< 2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	1 <0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	<0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	< 0.17
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

V-11S-093013 C	Client:	SLR International Corp.
D/13 F	Project:	Crowley 101.00205.00030
3/13 L	Lab ID:	309543-07
7/13	Data File:	100711.D
er I	Instrument:	GCMS8
(ppb)	Operator:	VM
	0/13	0/13Project:13Lab ID:17/13Data File:18Instrument:

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	58	32	162
Phenol-d6	32	10	170
Nitrobenzene-d5	101	50	150
2-Fluorobiphenyl	99	43	158
2,4,6-Tribromophenol	118	43	146
Terphenyl-d14	116	39	168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	0.38	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	< 2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	< 1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	<0.38 ca
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.20 fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	DMW-3-09301 09/30/13 10/03/13 10/07/13 Water ug/L (ppb)	3	Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. Crowley 101.00205.00030 309543-08 1/100 100706.D GCMS8 VM
Surrogates: 2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromophene Terphenyl-d14		% Recovery: 60 ds 33 ds 80 ds 100 ds 100 ds 100 ds	Lower Limit: 32 10 50 43 43 39	Upper Limit: 162 170 150 158 146 168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	<14	2,4,6-Trichlorophenol	<28
Bis(2-chloroethyl) ether	<6	2,4,5-Trichlorophenol	<22
2-Chlorophenol	<16	2-Chloronaphthalene	< 4.4
1,3-Dichlorobenzene	< 3.4	2-Nitroaniline	< 8.6
1,4-Dichlorobenzene	< 3.4	Dimethyl phthalate	<5
1,2-Dichlorobenzene	<2.4	2,6-Dinitrotoluene	< 6.2
Benzyl alcohol	<40	3-Nitroaniline	<46
Bis(2-chloroisopropyl) ether	<3	2,4-Dinitrophenol	<240
2-Methylphenol	<26	Dibenzofuran	97
Hexachloroethane	<6	2,4-Dinitrotoluene	< 5.6
N-Nitroso-di-n-propylamine	<11	4-Nitrophenol	<130
3-Methylphenol + 4-Methylphen	ol <42	Diethyl phthalate	<6
Nitrobenzene	< 4.4	4-Chlorophenyl phenyl ether	< 7.2
Isophorone	<3	N-Nitrosodiphenylamine	<5 .
2-Nitrophenol	<17	4-Nitroaniline	< 56
2,4-Dimethylphenol	<28	4,6-Dinitro-2-methylphenol	<38 ca
Benzoic acid	<1,400	4-Bromophenyl phenyl ether	< 5.6
Bis(2-chloroethoxy)methane	< 3.4	Hexachlorobenzene	<5
2,4-Dichlorophenol	<26	Pentachlorophenol	<32
1,2,4-Trichlorobenzene	<5	Carbazole	66
Hexachlorobutadiene	<7	Di-n-butyl phthalate	< 6.8
4-Chloroaniline	< 5.6	Benzyl butyl phthalate	< 8.6
4-Chloro-3-methylphenol	<24	Bis(2-ethylhexyl) phthalate	<17
2-Methylnaphthalene	190	Di-n-octyl phthalate	<4.4
Hexachlorocyclopentadiene	< 9.4		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	Method Blank	Client:	SLR International Corp.
Date Received:	N/A	Project:	Crowley 101.00205.00030
Date Extracted:	10/03/13	Lab ID:	03-1980 mb
Date Analyzed:	10/04/13	Data File:	100407.D
Matrix:	Water	Instrument:	GCMS8
Units:	ug/L (ppb)	Operator:	VM

		Lower	Opper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	44	32	162
Phenol-d6	30	10	170
Nitrobenzene-d5	96	50	150
2-Fluorobiphenyl	100	43	158
2,4,6-Tribromophenol	118	43	146
Terphenyl-d14	119	39	168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	< 0.28	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.19 lc
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	CMW-5-093013
Date Received:	09/30/13
Date Extracted:	10/03/13
Date Analyzed:	10/04/13
Matrix:	Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309543-01
Data File:	100404.D
Instrument:	GCMS6
Operator:	VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	82 °	50	150
Benzo(a)anthracene-d12	96	50	129

	Concentration
Compounds:	ug/L (ppb)
Naphthalene	0.0064
Acenaphthylene	< 0.0024
Acenaphthene	0.033
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	0.0069
Fluoranthene	< 0.0046
Pyrene	0.0063
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

-		
Client Sample ID:	DMW-2-093013	
Date Received:	09/30/13	
Date Extracted:	10/03/13	
Date Analyzed:	10/05/13	
Matrix:	Water	
Units:	ug/L (ppb)	

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309543-02
Data File:	100430.D
Instrument:	GCMS6
Operator:	ya

Surrogates: Anthracene-d10 Benzo(a)anthracene-d12	% Recovery: 106 122	Lower Limit: 50 50	Upper Limit: 150 129
Compounds:	Concentration ug/L (ppb)		

	Concentration
Compounds:	ug/L (ppb)
Naphthalene	3.0 ve
Acenaphthylene	0.17
Acenaphthene	13 ve
Fluorene	4.7 ve
Phenanthrene	4.4 ve
Anthracene	0.33
Fluoranthene	0.25
Pyrene	0.15
Benz(a)anthracene	0.0054
Chrysene	0.0070
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	0.0088
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	0.0054

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

< 0.7

<0.4 <0.44

Client Sample ID: Date Received:	DMW-2-093013 09/30/13
Date Extracted:	10/03/13
Date Analyzed:	10/07/13
Matrix:	Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309543-02 1/100
Data File:	100707.D
Instrument:	GCMS6
Operator:	VM

Lower

Limit: 50 50 Upper Limit: 150 129

Surrogates: Anthracene-d10 Benzo(a)anthracene-d12	% Recovery: 266 ds 84 ds
Compounds:	Concentration ug/L (ppb)
Naphthalene	3.6
Acenaphthylene	< 0.24
Acenaphthene	17
Fluorene	4.8
Phenanthrene	5.3
Anthracene	0.29
Fluoranthene	< 0.46
Pyrene	< 0.36
Benz(a)anthracene	< 0.42
Chrysene	< 0.38
Benzo(a)pyrene	< 0.78
Benzo(b)fluoranthene	< 0.52
Benzo(k)fluoranthene	< 0.76

Indeno(1,2,3-cd)pyrene

Dibenz(a,h)anthracene

Benzo(g,h,i)perylene

ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received: Date Extracted:	EMW-9S-093013 09/30/13 10/03/13	Client: Project:	SLR International Corp. Crowley 101.00205.00030
		Lab ID:	309543-03
Date Analyzed:	10/04/13	Data File:	100405.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	85 °	50	150
Benzo(a)anthracene-d12	93	50	129

Delizo(a)alitili acelle-u12	33	30	
Compounds:	Concentration ug/L (ppb)		
Naphthalene	0.013		
Acenaphthylene	< 0.0024		
Acenaphthene	0.030		
Fluorene	0.059		
Phenanthrene	0.15		
Anthracene	0.25		
Fluoranthene	0.086		
Pyrene	0.079		
Benz(a)anthracene	0.013		
Chrysene	0.022		
Benzo(a)pyrene	< 0.0078		
Benzo(b)fluoranthene	0.0066		
Benzo(k)fluoranthene	< 0.0076		
Indeno(1,2,3-cd)pyrene	< 0.007		
Dibenz(a,h)anthracene	< 0.004		
Benzo(g,h,i)perylene	< 0.0044		

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	CMW-3-093013
Date Received:	09/30/13
Date Extracted:	10/03/13
Date Analyzed:	10/04/13
Matrix:	Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309543-04
Data File:	100415.D
Instrument:	GCMS6
Operator:	ya

Lower Limit: 50 50 Upper Limit: 150 129

Surrogates: Anthracene-d10 Benzo(a)anthracene-d12	% Recovery: 101 116
Compounds:	Concentration ug/L (ppb)
Naphthalene	< 0.004
Acenaphthylene	< 0.0024
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	< 0.0028
Fluoranthene	< 0.0046
Pyrene	0.0042
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EMW-1S-093013	Client:	SLR International Corp.
Date Received:	09/30/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/03/13	Lab ID:	309543-05
Date Analyzed:	10/04/13	Data File:	100416.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	105	50	150
Benzo(a)anthracene-d12	126	50	129

Derizo(a) arian acene arz	120	00	
Compounds:	Concentration ug/L (ppb)		
Naphthalene	0.0050		
Acenaphthylene	< 0.0024		
Acenaphthene	< 0.0038		
Fluorene	< 0.004		
Phenanthrene	0.010		
Anthracene	0.0043		
Fluoranthene	0.0055		
Pyrene	0.0048		
Benz(a)anthracene	< 0.0042		
Chrysene	< 0.0038		
Benzo(a)pyrene	< 0.0078		
Benzo(b)fluoranthene	< 0.0052		
Benzo(k)fluoranthene	< 0.0076		
Indeno(1,2,3-cd)pyrene	< 0.007		
Dibenz(a,h)anthracene	< 0.004		
Benzo(g,h,i)perylene	< 0.0044		

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: EMW-14D-093013
Date Received: 09/30/13
Date Extracted: 10/03/13
Date Analyzed: 10/04/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309543-06
Data File: 100417.D
Instrument: GCMS6
Operator: ya

Surrogates: Kecovery: Lower Upper Limit: Limit: Anthracene-d10 97 50 150 Benzo(a)anthracene-d12 108 50 129

Concentration Compounds: ug/L (ppb) Naphthalene 0.015 Acenaphthylene < 0.0024 Acenaphthene 0.0096 Fluorene 0.0059 Phenanthrene 0.021 Anthracene 0.0065Fluoranthene 0.012 Pyrene 0.0080 Benz(a)anthracene < 0.0042 Chrysene < 0.0038 Benzo(a)pyrene < 0.0078 Benzo(b)fluoranthene < 0.0052 Benzo(k)fluoranthene < 0.0076 Indeno(1,2,3-cd)pyrene < 0.007 Dibenz(a,h)anthracene < 0.004 Benzo(g,h,i)perylene < 0.0044

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: EMW-11S-093013 Client: SLR International Corp. Date Received: 09/30/13 Project: Crowley 101.00205.00030 Date Extracted: 10/03/13 Lab ID: 309543-07 Date Analyzed: 10/04/13 Data File: 100418.D Matrix: Water Instrument: GCMS6 Units: ug/L (ppb) Operator: ya

Surrogates: Kecovery: Lower Upper Limit: Limit: Anthracene-d10 109 50 150 Benzo(a)anthracene-d12 122 50 129

Concentration Compounds: ug/L (ppb) 0.012 Naphthalene Acenaphthylene < 0.0024 Acenaphthene 0.068 Fluorene 0.0082 Phenanthrene 0.018 Anthracene 0.012 Fluoranthene 0.012 Pyrene 0.011 Benz(a)anthracene < 0.0042 Chrysene < 0.0038 Benzo(a)pyrene < 0.0078 Benzo(b)fluoranthene < 0.0052 Benzo(k)fluoranthene < 0.0076 Indeno(1,2,3-cd)pyrene < 0.007 Dibenz(a,h)anthracene < 0.004 Benzo(g,h,i)perylene < 0.0044

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix:	DMW-3-093013 09/30/13 10/03/13 10/05/13 Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309543-08 1/100
Data File:	100431.D
Instrument:	GCMS6
Operator:	va

Lower

Upper Limit: 150 129

Surrogates:	% Recovery:	Limit:
Anthracene-d10	573 ds	50
Benzo(a)anthracene-d12	153 ds	50
	Concentration	
Compounds:	ug/L (ppb)	
•	0 11	

Compounds:	ug/L (ppb)
Naphthalene	430 ve
Acenaphthylene	4.1
Acenaphthene	250
Fluorene	140
Phenanthrene	140
Anthracene	13
Fluoranthene	11
Pyrene	7.5
Benz(a)anthracene	< 0.42
Chrysene	< 0.38
Benzo(a)pyrene	< 0.78
Benzo(b)fluoranthene	< 0.52
Benzo(k)fluoranthene	< 0.76
Indeno(1,2,3-cd)pyrene	< 0.7
Dibenz(a,h)anthracene	< 0.4
Benzo(g,h,i)perylene	< 0.44

ENVIRONMENTAL CHEMISTS

Operator:

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix:	DMW-3-093013 09/30/13 10/03/13 10/07/13 Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309543-08 1/1000
Data File:	100708.D
Instrument:	GCMS6

VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	1320 ds	50	150
Benzo(a)anthracene-d12	120 ds	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	470
Acenaphthylene	4.1
Acenaphthene	280
Fluorene	140
Phenanthrene	160
Anthracene	12
Fluoranthene	10
Pyrene	7.1
Benz(a)anthracene	<4.2
Chrysene	<3.8
Benzo(a)pyrene	< 7.8
Benzo(b)fluoranthene	< 5.2
Benzo(k)fluoranthene	< 7.6
Indeno(1,2,3-cd)pyrene	<7
Dibenz(a,h)anthracene	<4
Benzo(g,h,i)perylene	<4.4

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	Method Blank
Date Received:	N/A
Date Extracted:	10/03/13
Date Analyzed:	10/04/13
Matrix:	Water
Matrix:	Water
Units:	ug/L (ppb)
Units:	ug/L (ppb)

Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. Crowley 101.00205.00030 03-1981 mb 100403.D GCMS6 VM
Lower	Upper
Limit:	Limit:
50	150
50	129

Surrogates: Anthracene-d10 Benzo(a)anthracene-d12	% Recovery: 101 109
Compounds:	Concentration ug/L (ppb)
Naphthalene	< 0.004
Acenaphthylene	< 0.0024
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	< 0.0028
Fluoranthene	< 0.0046
Pyrene	< 0.0036
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Client:

Project:

Lab ID:

SLR International Corp.

309543-01 1/0.25

Crowley 101.00205.00030

150

Analysis For PCBs By EPA Method 8082A

Client Sample ID: CMW-5-093013 Date Received: 09/30/13 Date Extracted: 10/04/13 Date Analyzed: 10/17/13 Matrix: Water Units: ug/L (ppb)

Data File: 101670.D\ECD1A.CH Instrument: GC7 **MCP** Operator: Lower

Upper Surrogates: % Recovery: Limit: Limit: 50 TCMX 97 Concentration

Compounds: ug/L (ppb) Aroclor 1221 <0.01 j Aroclor 1232 <0.01 j Aroclor 1016 < 0.01 jAroclor 1242 < 0.01 jAroclor 1248 <0.01 j Aroclor 1254 <0.01 j Aroclor 1260 <0.01 j

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID	: DMW-2-093013	Clien
Date Received:	09/30/13	Proje
Date Extracted:	10/04/13	Lab I
Date Analyzed:	10/17/13	Data
Matrix:	Water	Instr
Units:	ug/L (ppb)	Opera

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309543-02 1/0.25
Data File:	101672.D\ECD1A.CH
Instrument:	GC7
Operator:	MCP

Lower Limit: 50

Upper Limit: 150

Surrogates: TCMX	% Recovery: 109
Compounds:	Concentration ug/L (ppb)
Aroclor 1221	<0.01 j
Aroclor 1232	<0.01 j
Aroclor 1016	<0.01 j
Aroclor 1242	<0.01 j
Aroclor 1248	<0.01 j
Aroclor 1254	<0.01 j
Aroclor 1260	<0.01 j

ENVIRONMENTAL CHEMISTS

Crowley 101.00205.00030

101674.D\ECD1A.CH

Analysis For PCBs By EPA Method 8082A

Client Sample ID: EMW-9S-093013 Client: SLR International Corp. Date Received: 09/30/13 Project: Date Extracted: 10/04/13 Lab ID: 309543-03 1/0.25 10/17/13 Data File: Date Analyzed: Matrix: Water Instrument: GC7 ug/L (ppb) **MCP** Units: Operator:

Upper Limit: 150 Lower Surrogates: TCMX % Recovery: 108 Limit: 50

Concentration Compounds: ug/L (ppb) Aroclor 1221 <0.01 j Aroclor 1232 < 0.01 j< 0.01 jAroclor 1016 Aroclor 1242 <0.01 jAroclor 1248 < 0.01 jAroclor 1254 < 0.01 jAroclor 1260 < 0.01 j

ENVIRONMENTAL CHEMISTS

% Recovery:

<0.01 j

Analysis For PCBs By EPA Method 8082A

Client Sample ID: Date Received: Date Extracted:	CMW-3-093013 09/30/13 10/04/13
Date Analyzed:	10/18/13
Matrix:	Water
Units:	ug/L (ppb)

Aroclor 1260

Client: SLR International Corp. Project: Crowley 101.00205.00030 Lab ID: 309543-04 1/0.25 Data File: 101750.D\ECD1A.CH Instrument: GC7

Upper

Limit:

KJ Operator: Lower

Limit: 50

Surrogates: TCMX Concentration ug/L (ppb) Compounds: Aroclor 1221 < 0.01 jAroclor 1232 <0.01 j<0.01 j Aroclor 1016 Aroclor 1242 <0.01 jAroclor 1248 < 0.01 j<0.01jAroclor 1254

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

-	•	
Client Sample ID:	EMW-1S-093013	
Date Received:	09/30/13	
Date Extracted:	10/04/13	
Date Analyzed:	10/18/13	
Matrix:	Water	
Units:	ug/L (ppb)	

Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. Crowley 101.00205.00030 309543-05 1/0.25 101752.D\ECD1A.CH GC7 KJ
Lower	Upper
Limit:	Limit:
50	150

Surrogates: TCMX	% Recovery: 89
Compounds:	Concentration ug/L (ppb)
Aroclor 1221	<0.01 j
Aroclor 1232 Aroclor 1016	<0.01 j <0.01 j
Aroclor 1242 Aroclor 1248	<0.01 j <0.01 j
Aroclor 1248 Aroclor 1254	<0.01 j
Aroclor 1260	<0.01 j

ENVIRONMENTAL CHEMISTS

SLR International Corp. Crowley 101.00205.00030 309543-06 1/0.25

101754.D\ECD1A.CH

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	EMW-14D-093013	Client:	SLR I
Date Received:	09/30/13	Project:	Crow
Date Extracted:	10/04/13	Lab ID:	30954
Date Analyzed:	10/18/13	Data File:	10175
Matrix:	Water	Instrument:	GC7
Units:	ug/L (ppb)	Operator:	KJ

	0.4.70	Lower	Upper
Surrogates: TCMX	% Recovery:	Limit:	Limit:
TCMX	96	50	150

Compounds:	Concentration ug/L (ppb)
Aroclor 1221	<0.01 j
Aroclor 1232	<0.01 j
Aroclor 1016	<0.01 j
Aroclor 1242	<0.01 j
Aroclor 1248	<0.01 j
Aroclor 1254	<0.01 j
Aroclor 1260	<0.01 j

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID: EMW-11S-093013
Date Received: 09/30/13
Date Extracted: 10/04/13
Date Analyzed: 10/18/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309543-07 1/0.25
Data File: 101756.D\ECD1A.CH
Instrument: GC7
Operator: KJ

Surrogates: TCMX	% Recovery: 93	Lower Limit: 50	Upper Limit: 150
Compounds:	Concentration ug/L (ppb)		

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Ü			
Client Sample ID:	DMW-3-093013	Client:	SLR International Corp.
Date Received:	09/30/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/04/13	Lab ID:	309543-08 1/0.25
Date Analyzed:	10/18/13	Data File:	58.D\ECD1A.CH
Matrix:	Water	Instrument:	GC7
Units:	ug/L (ppb)	Operator:	KJ

Surrogates: TCMX	% Recovery: 112	Lower Limit: 50	Upper Limit: 150
Compounds:	Concentration ug/L (ppb)		

 Compounds:
 ug/L (ppb)

 Aroclor 1221
 <0.01 j</td>

 Aroclor 1232
 <0.01 j</td>

 Aroclor 1016
 <0.01 j</td>

 Aroclor 1242
 <0.01 j</td>

 Aroclor 1248
 <0.01 j</td>

 Aroclor 1254
 <0.01 j</td>

 Aroclor 1260
 <0.01 j</td>

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID: Method Blank
Date Received: N/A
Date Extracted: 10/04/13
Date Analyzed: 10/17/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 03-1990 mb 1/0.25
Data File: 101664.D\ECD1A.CH
Instrument: GC7
Operator: MCP

Surrogates: TCMX	% Recovery: 115	Lower Limit: 50	Upper Limit: 150
	Concentration		

Comparado	Concentration
Compounds:	ug/L (ppb)
Aroclor 1221	<0.01 j
Aroclor 1232	<0.01 j
Aroclor 1016 Aroclor 1242	<0.01 j
Aroclor 1242 Aroclor 1248	<0.01 j <0.01 j
Aroclor 1254	<0.01 j <0.01 j
Aroclor 1260	<0.01 j
MOCIOI 1200	\0.01 J

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: CMW-5-093013
Date Received: 09/30/13
Date Extracted: 10/07/13
Date Analyzed: 10/10/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309543-01
Data File: 309543-01.074
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	104	60	125
Indium	91	60	125
Holmium	97	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 1.90 Nickel 1.57 Copper < 0.340 Zinc < 0.600 Arsenic 68.9 ip Selenium 2.22 ip < 0.0640 Silver Cadmium < 0.0940 Antimony 0.155 Barium 25.1 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: DMW-2-093013
Date Received: 09/30/13
Date Extracted: 10/07/13
Date Analyzed: 10/10/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309543-02
Data File: 309543-02.067
Instrument: ICPMS1
Operator: AP

	Lower	Upper
% Recovery:	Limit:	Limit:
101	60	125
89	60	125
91	60	125
	101 89	% Recovery: Limit: 101 60 89 60

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 2.04 Nickel 1.00 Copper < 0.340 3.14 Zinc Arsenic 4.74 ip <0.560 ip Selenium Silver < 0.0640 Cadmium < 0.0940 0.0610 Antimony Barium 11.1 Thallium < 0.0740 Lead 0.757

ENVIRONMENTAL CHEMISTS

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	102	60	125
Indium	92	60	125
Holmium	95	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.40
Nickel	0.768
Copper	< 0.340
Zinc	2.05
Arsenic	17.5 ip
Selenium	0.964 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	0.316
Barium	56.6
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Date Received: Date Extracted: Date Analyzed: Matrix:	CMW-3-093013 09/30/13 10/07/13 10/10/13 Water ug/L (ppb)	Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. Crowley 101.00205.00030 309543-04 309543-04.073 ICPMS1 AP
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		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	58 vo	60	125
Indium	55 vo	60	125
Holmium	55 vo	60	125

Analyte:	Concentration ug/L (ppb)
Cadmium	<0.0940 J
Thallium	<0.0740 J
Lead	0.622 J

ENVIRONMENTAL CHEMISTS

Client ID:	CMW-3-093013
Date Received:	09/30/13
Date Extracted:	10/07/13
Date Analyzed:	10/10/13
Matrix:	Water
Units:	ug/L (ppb)

SLR International Corp.
Crowley 101.00205.00030
309543-04 x10
309543-04 x10.050
ICPMS1
AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	87	60	125
Indium	88	60	125
Holmium	94	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	2.45
Nickel	5.89
Copper	7.17
Zinc	< 6.00
Arsenic	26.6 ip
Selenium	60.3 ip
Silver	< 0.640
Cadmium	< 0.940
Antimony	5.52
Barium	269
Thallium	< 0.740
Lead	< 1.44

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: EMW-1S-093013
Date Received: 09/30/13
Date Extracted: 10/07/13
Date Analyzed: 10/10/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309543-05
Data File: 309543-05.069
Instrument: ICPMS1
Operator: AP

	Lower	Upper
% Recovery:	Limit:	Limit:
123	60	125
92	60	125
91	60	125
	123 92	% Recovery: Limit: 123 60 92 60

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 1.13 Nickel 1.11 Copper < 0.340 Zinc 4.49 Arsenic 14.3 ip Selenium 0.583 ip Silver < 0.0640 Cadmium < 0.0940 Antimony 0.140 Barium 30.3 Thallium < 0.0740 Lead 0.371

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: EMW-14D-093013
Date Received: 09/30/13
Date Extracted: 10/07/13
Date Analyzed: 10/10/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309543-06
Data File: 309543-06.070
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	72	60	125
Indium	58 vo	60	125
Holmium	59 vo	60	125

<0.144 J

Concentration ug/L (ppb)

Cadmium <0.0940 J
Antimony 0.145 J
Thallium <0.0740 J

Lead

ENVIRONMENTAL CHEMISTS

Client ID: Date Received:	EMW-14D-093013 09/30/13	Client: Project:	SLR International Corp. Crowley 101.00205.00030
		•	· ·
Date Extracted:	10/07/13	Lab ID:	309543-06 x10
Date Analyzed:	10/10/13	Data File:	309543-06 x10.052
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP
		_	

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	92	60	125
Indium	90	60	125
Holmium	95	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	<1.38
Nickel	< 4.60
Copper	5.19
Zinc	< 6.00
Arsenic	13.8 ip
Selenium	53.8 ip
Silver	< 0.640
Cadmium	< 0.940
Antimony	< 0.520
Barium	253
Thallium	< 0.740
Lead	<1.44

ENVIRONMENTAL CHEMISTS

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309543-07
Data File:	309543-07.068
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	102	60	125
Indium	92	60	125
Holmium	94	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.69
Nickel	3.82
Copper	3.59
Zinc	21.5
Arsenic	4.38 ip
Selenium	<0.560 ip
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	0.440
Barium	469
Thallium	< 0.0740
Lead	3.00

ENVIRONMENTAL CHEMISTS

Operator:

Analysis For Total Metals By EPA Method 200.8

Client ID: DMW-3-093013
Date Received: 09/30/13
Date Extracted: 10/07/13
Date Analyzed: 10/10/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309543-08
Data File: 309543-08.043
Instrument: ICPMS1

AP

Upper Lower Internal Standard: % Recovery: Limit: Limit: Germanium 109 60 125 Indium 96 60 125 Holmium 102 60 125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 1.26 Nickel 0.728 Copper < 0.340 Zinc < 0.600 Arsenic 5.31 ip Selenium <0.560 ip Silver < 0.0640 Cadmium < 0.0940 Antimony 0.0730 Barium 12.6 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Method Blank
Date Received: N/A
Date Extracted: 10/07/13
Date Analyzed: 10/10/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: I3-646 mb
Data File: I3-646 mb.011
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	99	60	125
Indium	100	60	125
Holmium	97	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium < 0.138 Nickel < 0.460 Copper < 0.340 < 0.600 Zinc Arsenic < 0.150 Selenium < 0.560 Silver < 0.0640 Cadmium < 0.0940 < 0.0520 Antimony Barium < 0.260 Thallium < 0.0740 < 0.144 Lead

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID: CMW-5-093013
Date Received: 09/30/13
Date Extracted: 10/07/13
Date Analyzed: 10/09/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309543-01
Data File: 309543-01.073
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	110	60	125
Indium	94	60	125
Holmium	97	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 1.77 Nickel 1.70 Zinc 1.20 Silver < 0.0640 Cadmium < 0.0940 Antimony 0.169 Barium 23.2 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309543-02
Data File:	309543-02.064
Instrument:	ICPMS1
Operator:	AP
Lower	Upper

		LOWEI	Оррсі
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	108	60	125
Indium	99	60	125
Holmium	100	60	125
	Concentration		
Analyte:	ug/L (ppb)		

Analyte:	ug/L (ppb)
Beryllium	<0.0980
Chromium Nickel	2.11 1.26
Zinc Silver	3.52 <0.0640
Cadmium	< 0.0940
Antimony Barium	$0.742 \\ 10.7$
Thallium Lead	<0.0740 <0.144
Lead	\0.1 11

ENVIRONMENTAL CHEMISTS

Client ID:	EMW-9S-093013	Client:	SLR International Corp.
Date Received:	09/30/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	309543-03
Date Analyzed:	10/09/13	Data File:	309543-03.071
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP
		Lower	Lippor

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	104	60	125
Indium	93	60	125
Holmium	96	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.58
Nickel	0.936
Zinc	4.25
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	0.338
Barium	58.7
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID: CMW-3-093013
Date Received: 09/30/13
Date Extracted: 10/07/13
Date Analyzed: 10/09/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309543-04
Data File: 309543-04.072
Instrument: ICPMS1
Operator: AP

	Lower	Upper
% Recovery:	Limit:	Limit:
58 vo	60	125
52 vo	60	125
55 vo	60	125
	58 vo 52 vo	% Recovery: Limit: 58 vo 60 52 vo 60

Concentration ug/L (ppb)

Cadmium <0.0940 J
Thallium <0.0740 J
Lead <0.144 J

ENVIRONMENTAL CHEMISTS

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	94	60	125
Indium	92	60	125
Holmium	93	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	3.56
Nickel	5.82
Zinc	< 6.00
Silver	< 0.640
Cadmium	< 0.940
Antimony	5.24
Barium	270
Thallium	< 0.740
Lead	< 1.44

ENVIRONMENTAL CHEMISTS

Client ID:	EMW-1S-093013	Client:	SLR International Corp.
Date Received:	09/30/13	Project:	Crowley 101.00205.00030
Date Extracted:	10/07/13	Lab ID:	309543-05
Date Analyzed:	10/09/13	Data File:	309543-05.086
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP
	·	-	

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	115	60	125
Indium	83	60	125
Holmium	86	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	0.924
Nickel	1.09
Zinc	4.25
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	0.124
Barium	25.6
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309543-06
Data File:	309543-06.070
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	73	60	125
Indium	56 vo	60	125
Holmium	58 vo	60	125
	Concentration		
Analyta	110/I (nnh)		

•	
Cadmium	<0.0940 J
Antimony	0.240 J
Thallium	<0.0740 J
Lead	<0.144 J

ENVIRONMENTAL CHEMISTS

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix:	EMW-14D-093013 09/30/13 10/07/13 10/09/13 Water
Matrix: Units:	water ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309543-06 x10
Data File:	309543-06 x10.020
Instrument:	ICPMS1
Operator:	AP
_	

Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	98	60	125
Indium	92	60	125
Holmium	96	60	125
Analyte:	Concentration ug/L (ppb)		

28 - (PP3)
< 0.980
2.50
5.54
< 6.00
< 0.640
< 0.940
< 0.520
253
< 0.740
<1.44

ENVIRONMENTAL CHEMISTS

Client ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	EMW-11S-093013 09/30/13 10/07/13 10/09/13 Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	309543-07
Data File:	309543-07.065
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	110	60	125
Indium	101	60	125
Holmium	103	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	1.16
Nickel	4.32
Zinc	15.6
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	0.809
Barium	242
Thallium	< 0.0740
Lead	0.201

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID: DMW-3-093013
Date Received: 09/30/13
Date Extracted: 10/07/13
Date Analyzed: 10/09/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 309543-08
Data File: 309543-08.066
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	121	60	125
Indium	100	60	125
Holmium	103	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium 1.18 Nickel 0.941 Zinc 1.79 Silver < 0.0640 Cadmium < 0.0940 Antimony 0.179 Barium 12.5 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Client ID: Date Received: Date Extracted: Date Analyzed:	Method Blank	Client:	SLR International Corp.
	N/A	Project:	Crowley 101.00205.00030
	10/07/13	Lab ID:	I3-647 mb
	10/09/13	Data File:	I3-647 mb.011
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP
		_	

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	99	60	125
Indium	97	60	125
Holmium	98	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	< 0.138
Nickel	< 0.460
Zinc	< 0.600
Silver	< 0.0640
Cadmium	< 0.0940
Antimony	< 0.0520
Barium	< 0.260
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/30/13

Project: 8th Avenue Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309543

Date Extracted: 10/07/13 Date Analyzed: 10/08/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	<u>Total Mercury</u>
CMW-5-093013 309543-01	0.0015
DMW-2-093013 309543-02	< 0.0015
EMW-9S-093013 309543-03	< 0.0015
CMW-3-093013 309543-04	0.0027
EMW-1S-093013 309543-05	< 0.0015
EMW-14D-093013 309543-06	< 0.0015
EMW-11S-093013 309543-07	0.012
DMW-3-093013 309543-08	< 0.0015
Method Blank	< 0.0015

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/30/13

Project: 8th Avenue Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309543

Date Extracted: 10/07/13 Date Analyzed: 10/08/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED MERCURY USING EPA METHOD 1631E

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	<u>Dissolved Mercury</u>
CMW-5-093013 309543-01	< 0.0015
DMW-2-093013 309543-02	< 0.0015
EMW-9S-093013 309543-03	< 0.0015
CMW-3-093013 309543-04	0.0021
EMW-1S-093013 309543-05	< 0.0015
EMW-14D-093013 309543-06	< 0.0015
EMW-11S-093013 309543-07	0.0059
DMW-3-093013 309543-08	<0.0015
Method Blank	< 0.0015

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/30/13

Project: 8th Avenue Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309543

Date Extracted: NA Date Analyzed: 10/03/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL SUSPENDED SOLIDS BY METHOD 2540D

Results Reported as mg/L (ppm)

Sample ID Laboratory ID	Total Suspended <u>Solids</u>
CMW-5-093013 309543-01	43
DMW-2-093013 309543-02	<9.7
EMW-9S-093013 309543-03	<9.7
CMW-3-093013 309543-04	<9.7
EMW-1S-093013 309543-05	17
EMW-14D-093013 309543-06	36
EMW-11S-093013 309543-07	28
DMW-3-093013 309543-08	16
Method Blank	<9.7

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/30/13

Project: 8th Avenue Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309543

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 309543-01 (Duplicate)

ý	Reporting	,	Duplicate	RPD
Analyte	Units	Sample Result	Result	(Limit 20)
Gasoline	ug/L (ppb)	<12	<12	nm

			Percent		
	Reporting	Spike	Recovery	Acceptance	
Analyte	Units	Level	LCS	Criteria	
Gasoline	ug/L (ppb)	1,000	102	69-134	_

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/30/13

Project: 8th Avenue Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309543

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample Silica Gel

J	v	•	Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Diesel Extended	ug/L (ppb)	500	87	91	58-134	4

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/30/13

Project: 8th Avenue Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309543

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 309543-01 (Matrix Spike)

				Percent	
	Reporting	Spike	Sample	Recovery	Acceptance
Analyte	Units	Level	Result	MS	Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	<0.16	94	55-144
Chloromethane	ug/L (ppb)	50	< 0.22	95	67-131
Vinyl chloride	ug/L (ppb)	50	0.57	96	61-139
Bromomethane	ug/L (ppb)	50	<0.2	226 vo	66-129
Chloroethane	ug/L (ppb)	50	<0.18	99	68-126
Trichlorofluoromethane	ug/L (ppb)	50 250	<0.17 <2.6	97 79	71-128 48-149
Acetone 1.1-Dichloroethene	ug/L (ppb) ug/L (ppb)	50	<0.19	93	71-123
Methylene chloride	ug/L (ppb)	50	<3	100	61-126
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	< 0.13	95	68-125
trans-1,2-Dichloroethene	ug/L (ppb)	50	< 0.24	93	72-122
1,1-Dichloroethane	ug/L (ppb)	50	< 0.18	94	79-113
2,2-Dichloropropane	ug/L (ppb)	50	< 0.3	104	58-132
cis-1,2-Dichloroethene	ug/L (ppb)	50	< 0.24	89	73-119
Chloroform	ug/L (ppb)	50 250	<0.24 <0.94	93 86	80-112 69-123
2-Butanone (MEK) 1,2-Dichloroethane (EDC)	ug/L (ppb)	250 50	< 0.11	93	78-113
1,1,1-Trichloroethane	ug/L (ppb) ug/L (ppb)	50	<0.11	93 97	79-116
1,1-Dichloropropene	ug/L (ppb)	50	< 0.26	94	67-121
Carbon tetrachloride	ug/L (ppb)	50	< 0.24	101	72-123
Benzene	ug/L (ppb)	50	< 0.13	91	79-109
Trichloroethene	ug/L (ppb)	50	< 0.17	90	75-109
1,2-Dichloropropane	ug/L (ppb)	50	< 0.32	95	80-111
Bromodichloromethane	ug/L (ppb)	50	<0.38	97	78-117
Dibromomethane	ug/L (ppb)	50	<0.28	93 109	80-112
4-Methyl-2-pentanone	ug/L (ppb)	250 50	<1.3 <0.2	103	79-123 76-120
cis-1,3-Dichloropropene Toluene	ug/L (ppb) ug/L (ppb)	50	< 0.13	91	73-117
trans-1,3-Dichloropropene	ug/L (ppb)	50	< 0.34	107	75-122
1,1,2-Trichloroethane	ug/L (ppb)	50	< 0.28	99	81-111
2-Hexanone	ug/L (ppb)	250	<1	99	75-126
1,3-Dichloropropane	ug/L (ppb)	50	< 0.2	95	81-111
Tetrachloroethene	ug/L (ppb)	50	<0.28	94	72-113
Dibromochloromethane 1,2-Dibromoethane (EDB)	ug/L (ppb)	50 50	<0.24 <0.24	104 99	69-129 83-114
Chlorobenzene	ug/L (ppb) ug/L (ppb)	50 50	<0.1	90	75-115
Ethylbenzene	ug/L (ppb)	50	< 0.16	95	71-120
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	< 0.32	101	78-122
m,p-Xylene	ug/L (ppb)	100	< 0.5	94	63-128
o-Xylene	ug/L (ppb)	50	<0.22	96	64-129
Styrene	ug/L (ppb)	50	<0.22	97	70-122
Isopropylbenzene Bromoform	ug/L (ppb) ug/L (ppb)	50 50	<0.15 <0.22	96 110	76-118 49-138
n-Propylbenzene	ug/L (ppb)	50	< 0.14	95	74-117
Bromobenzene	ug/L (ppb)	50	< 0.18	95	70-121
1,3,5-Trimethylbenzene	ug/L (ppb)	50	< 0.18	96	81-112
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	< 0.24	97	79-120
1,2,3-Trichloropropane	ug/L (ppb)	50	<0.28	94	72-119
2-Chlorotoluene	ug/L (ppb)	50	< 0.13	93 93	77-114
4-Chlorotoluene tert-Butylbenzene	ug/L (ppb) ug/L (ppb)	50 50	<0.16 <0.15	93 98	81-109 81-116
1,2,4-Trimethylbenzene	ug/L (ppb)	50	< 0.11	95	74-118
sec-Butylbenzene	ug/L (ppb)	50	< 0.12	97	77-118
p-Isopropyltoluene	ug/L (ppb)	50	< 0.15	95	64-132
1,3-Dichlorobenzene	ug/L (ppb)	50	< 0.15	90	81-111
1,4-Dichlorobenzene	ug/L (ppb)	50	< 0.094	87	78-110
1,2-Dichlorobenzene	ug/L (ppb)	50	< 0.13	90	81-111
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	< 0.44	101	69-129
1,2,4-Trichlorobenzene	ug/L (ppb)	50 50	<0.34 <0.46	91 89	74-115 67-120
Hexachlorobutadiene Naphthalene	ug/L (ppb) ug/L (ppb)	50 50	<0.46	89 99	63-136
1,2,3-Trichlorobenzene	ug/L (ppb)	50	< 0.38	90	79-115
	-O - 4-1 -7				

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/30/13

Project: 8th Avenue Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309543

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

			Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	104	107	54-149	3
Chloromethane	ug/L (ppb)	50	100	101	67-133	1
Vinyl chloride	ug/L (ppb)	50	102	103	73-132	î
Bromomethane	ug/L (ppb)	50	270 vo	256 vo	69-123	5
Chloroethane	ug/L (ppb)	50	104	105	68-126	1
Trichlorofluoromethane	ug/L (ppb)	50	105	107	70-132	2
Acetone 1.1-Dichloroethene	ug/L (ppb) ug/L (ppb)	250 50	102 102	104 102	44-145 75-119	2
Methylene chloride	ug/L (ppb)	50	106	108	63-132	2
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	103	105	70-122	2
trans-1,2-Dichloroethene	ug/L (ppb)	50	100	102	76-118	2
1,1-Dichloroethane	ug/L (ppb)	50	101	103	80-116	2
2,2-Dichloropropane	ug/L (ppb)	50	111	115	62-141	4
cis-1,2-Dichloroethene Chloroform	ug/L (ppb) ug/L (ppb)	50 50	97 100	98 101	81-111 81-109	1 1
2-Butanone (MEK)	ug/L (ppb)	250	97	101	53-140	4
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	99	101	79-109	2
1,1,1-Trichloroethane	ug/L (ppb)	50	104	106	80-116	2
1,1-Dichloropropene	ug/L (ppb)	50	102	104	78-112	2
Carbon tetrachloride	ug/L (ppb)	50 50	109 98	111 99	72-128	2
Benzene Trichloroethene	ug/L (ppb) ug/L (ppb)	50	97	100	81-108 77-108	1 3
1.2-Dichloropropane	ug/L (ppb)	50	103	105	82-109	2
Bromodichloromethane	ug/L (ppb)	50	106	108	76-120	2
Dibromomethane	ug/L (ppb)	50	102	104	80-110	2
4-Methyl-2-pentanone	ug/L (ppb)	250	119	121	59-142	2
cis-1,3-Dichloropropene Toluene	ug/L (ppb)	50 50	111 97	115 98	76-128 83-108	4 1
trans-1,3-Dichloropropene	ug/L (ppb) ug/L (ppb)	50	113	116	76-128	3
1.1.2-Trichloroethane	ug/L (ppb)	50	107	108	82-110	1
2-Hexanone	ug/L (ppb)	250	107	110	53-145	3
1,3-Dichloropropane	ug/L (ppb)	50	102	103	83-110	1
Tetrachloroethene	ug/L (ppb)	50	102	104	78-109	2
Dibromochloromethane 1,2-Dibromoethane (EDB)	ug/L (ppb) ug/L (ppb)	50 50	112 107	113 107	63-140 85-113	1 0
Chlorobenzene	ug/L (ppb)	50	97	97	84-108	0
Ethylbenzene	ug/L (ppb)	50	101	102	84-110	1
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	107	108	76-125	1
m.p-Xylene	ug/L (ppb)	100	101	102	84-112	1
o-Xylene Styrene	ug/L (ppb)	50 50	103 104	103 105	82-113 84-116	0
Isopropylbenzene	ug/L (ppb) ug/L (ppb)	50	102	104	81-122	2
Bromoform	ug/L (ppb)	50	114	115	40-161	1
n-Propylbenzene	ug/L (ppb)	50	103	105	81-115	2
Bromobenzene	ug/L (ppb)	50	103	104	80-113	1
1,3,5-Trimethylbenzene	ug/L (ppb)	50 50	104	106	83-117	2 1
1,1,2,2-Tetrachloroethane 1,2,3-Trichloropropane	ug/L (ppb) ug/L (ppb)	50 50	104 100	105 102	79-118 74-116	2
2-Chlorotoluene	ug/L (ppb)	50	102	103	79-112	1
4-Chlorotoluene	ug/L (ppb)	50	101	102	81-113	1
tert-Butylbenzene	ug/L (ppb)	50	106	107	81-119	1
1,2,4-Trimethylbenzene	ug/L (ppb)	50	102	104	83-116	2
sec-Butylbenzene p-Isopropyltoluene	ug/L (ppb) ug/L (ppb)	50 50	105 103	107 104	83-116 82-119	2 1
1,3-Dichlorobenzene	ug/L (ppb)	50	97	99	83-111	2
1,4-Dichlorobenzene	ug/L (ppb)	50	93	94	82-109	ī
1,2-Dichlorobenzene	ug/L (ppb)	50	98	99	83-111	1
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	108	110	62-133	2
1,2,4-Trichlorobenzene	ug/L (ppb)	50 50	99 98	101	77-117	2
Hexachlorobutadiene Naphthalene	ug/L (ppb) ug/L (ppb)	50 50	98 108	98 109	74-118 75-131	1
1,2,3-Trichlorobenzene	ug/L (ppb)	50	99	100	82-115	1
	0 41					

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/30/13

Project: 8th Avenue Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309543

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270D

			Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	<u> </u>	Level	LCS	LCSD	Criteria	(Limit 20)
Phenol	ug/L (ppb)	10	34	40	18-52	16
Bis(2-chloroethyl) ether	ug/L (ppb)	10	87	96	52-113	10
2-Chlorophenol	ug/L (ppb)	10	84	97	50-110	14
1,3-Dichlorobenzene	ug/L (ppb)	10	89	98	45-109	10
1,4-Dichlorobenzene	ug/L (ppb)	10	91	100	44-118	9
1,2-Dichlorobenzene	ug/L (ppb)	10	91	101	46-116	10
Benzyl alcohol	ug/L (ppb)	10	83	92	42-100	10
Bis(2-chloroisopropyl) ether	ug/L (ppb)	10	92	100	51-124	8
2-Methylphenol	ug/L (ppb)	10	75	91	38-100	19
Hexachloroethane	ug/L (ppb)	10	89	99	42-117	11
N-Nitroso-di-n-propylamine	ug/L (ppb)	10	90	102	48-124	12
3-Methylphenol + 4-Methylphenol	ug/L (ppb)	10	69	83	48-87	18
Nitrobenzene	ug/L (ppb)	10	92	100	50-118	8
Isophorone	ug/L (ppb)	10	103	107	55-116	4
2-Nitrophenol	ug/L (ppb)	10	105	113	42-127	7
2,4-Dimethylphenol	ug/L (ppb)	10	66	91	45-100	32 vo
Benzoic acid	ug/L (ppb)	65	27	30	10-46	11
Bis(2-chloroethoxy)methane	ug/L (ppb)	10	98	105	55-115	7
2,4-Dichlorophenol	ug/L (ppb)	10	101	110	55-113	9
1.2.4-Trichlorobenzene	ug/L (ppb)	10	92	99	50-109	7
Hexachlorobutadiene	ug/L (ppb)	10	92	97	50-109	5
4-Chloroaniline	ug/L (ppb)	20	101	101	30-109	0
4-Chloro-3-methylphenol	ug/L (ppb)	10	99	108	54-114	9
2-Methylnaphthalene	ug/L (ppb)	10	97	102	53-113	5
Hexachlorocyclopentadiene	ug/L (ppb)	10	51	58	26-94	13
2,4,6-Trichlorophenol	ug/L (ppb)	10	98	105	46-114	7
2,4,5-Trichlorophenol	ug/L (ppb)	10	100	109	57-122	9
2-Chloronaphthalene	ug/L (ppb)	10	90	98	52-112	9
2-Nitroaniline	ug/L (ppb)	10	113	119	47-128	5
Dimethyl phthalate	ug/L (ppb)	10	111	112	55-116	1
2,6-Dinitrotoluene	ug/L (ppb)	10	118	119	49-126	1
3-Nitroaniline	ug/L (ppb)	20	112	118	21-125	5
2,4-Dinitrophenol	ug/L (ppb)	10	75	96	29-130	25 vo
Dibenzofuran	ug/L (ppb)	10	97	102	53-113	5
2,4-Dinitrotoluene	ug/L (ppb)	10	120	123	48-129	2
4-Nitrophenol	ug/L (ppb)	10	41	49	12-59	18
Diethyl phthalate	ug/L (ppb)	10	111	109	55-116	2
4-Chlorophenyl phenyl ether	ug/L (ppb)	10	98	100	52-115	2
N-Nitrosodiphenylamine	ug/L (ppb)	10	99	104	51-112	5
4-Nitroaniline	ug/L (ppb)	20	103	112	42-115	8
4,6-Dinitro-2-methylphenol	ug/L (ppb)	10	83	101	40-128	20
4-Bromophenyl phenyl ether	ug/L (ppb)	10	98	102	53-114	4
Hexachlorobenzene	ug/L (ppb)	10	96	99	54-115	3
Pentachlorophenol	ug/L (ppb)	10	90	103	49-114	13
Carbazole	ug/L (ppb)	10	97	106	54-115	9
Di-n-butyl phthalate	ug/L (ppb)	10	103	108	54-115	5
Benzyl butyl phthalate	ug/L (ppb)	10	112	118	53-122	5
Bis(2-ethylhexyl) phthalate	ug/L (ppb)	10	112	120	54-122	7
Di-n-octyl phthalate	ug/L (ppb)	10	116	120	50-131	3

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/30/13

Project: 8th Avenue Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309543

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR PNA'S BY EPA METHOD 8270D SIM

-			Percent	Percent		
	Reporting	Spike	Recovery LCS	Recovery	Acceptance	RPD
Analyte	Units	Level		LCSD	Criteria	(Limit 20)
Naphthalene	ug/L (ppb)	1	84	86	67-116	2
Acenaphthylene	ug/L (ppb)	1	88	90	65-119	2
Acenaphthene	ug/L (ppb)	1	87	88	66-118	1
Fluorene	ug/L (ppb)	1	92	93	64-125	1
Phenanthrene	ug/L (ppb)	1	89	90	67-120	1
Anthracene	ug/L (ppb)	1	93	95	65-122	2
Fluoranthene	ug/L (ppb)	1	94	95	65-127	1
Pyrene	ug/L (ppb)	1	94	92	62-130	2
Benz(a)anthracene	ug/L (ppb)	1	90	90	60-118	0
Chrysene	ug/L (ppb)	1	94	96	66-125	2
Benzo(b)fluoranthene	ug/L (ppb)	1	97	99	55-135	2
Benzo(k)fluoranthene	ug/L (ppb)	1	92	102	62-125	10
Benzo(a)pyrene	ug/L (ppb)	1	92	95	58-127	3
Indeno(1,2,3-cd)pyrene	ug/L (ppb)	1	92	86	36-142	7
Dibenz(a,h)anthracene	ug/L (ppb)	1	80	75	37-133	6
Benzo(g,h,i)perylene	ug/L (ppb)	1	84	79	34-135	6

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/30/13

Project: 8th Avenue Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309543

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

J	J	-	Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Aroclor 1016	ug/L (ppb)	2.5	116	109	70-130	6
Aroclor 1260	ug/L (ppb)	2.5	109	104	70-130	5

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/30/13

Project: 8th Avenue Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309543

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 309543-08 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Beryllium	ug/L (ppb)	5	< 0.0980	98	96	67-145	2
Chromium	ug/L (ppb)	20	1.26	87	89	64-132	2
Nickel	ug/L (ppb)	20	0.728	84	82	61-128	2
Copper	ug/L (ppb)	20	< 0.340	78	79	63-124	1
Zinc	ug/L (ppb)	50	< 0.600	88	80	55-141	10
Arsenic	ug/L (ppb)	10	5.31 ip	97 b	92 b	60-150	5 b
Selenium	ug/L (ppb)	5	<0.560 ip	92	93	43-178	1
Silver	ug/L (ppb)	5	< 0.0640	81	82	71-115	1
Cadmium	ug/L (ppb)	5	< 0.0940	97	97	83-116	0
Antimony	ug/L (ppb)	20	0.0730	96	97	62-125	1
Barium	ug/L (ppb)	50	12.6	103 b	102 b	79-126	1 b
Thallium	ug/L (ppb)	5	< 0.0740	97	96	73-119	1
Lead	ug/L (ppb)	10	< 0.144	95	92	79-121	3

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Beryllium	ug/L (ppb)	5	96	73-135
Chromium	ug/L (ppb)	20	96	80-119
Nickel	ug/L (ppb)	20	97	79-122
Copper	ug/L (ppb)	20	97	81-119
Zinc	ug/L (ppb)	50	96	76-124
Arsenic	ug/L (ppb)	10	92	80-111
Selenium	ug/L (ppb)	5	97	81-119
Silver	ug/L (ppb)	5	85	80-116
Cadmium	ug/L (ppb)	5	95	83-113
Antimony	ug/L (ppb)	20	85	79-108
Barium	ug/L (ppb)	50	96	83-117
Thallium	ug/L (ppb)	5	96	78-116
Lead	ug/L (ppb)	10	95	83-115

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/30/13

Project: 8th Avenue Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309543

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED METALS USING EPA METHOD 200.8

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Beryllium	ug/L (ppb)	5	101	97	73-135	4
Chromium	ug/L (ppb)	20	102	101	80-119	1
Nickel	ug/L (ppb)	20	101	100	79-122	1
Zinc	ug/L (ppb)	50	99	98	76-124	1
Silver	ug/L (ppb)	5	91	88	80-116	3
Cadmium	ug/L (ppb)	5	101	97	83-113	4
Antimony	ug/L (ppb)	20	88	90	79-108	2
Barium	ug/L (ppb)	50	103	99	83-117	4
Thallium	ug/L (ppb)	5	104	102	78-116	2
Lead	ug/L (ppb)	10	102	100	83-115	2

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/30/13

Project: 8th Avenue Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309543

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Laboratory Code: 309543-01 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Mercury	ug/L (ppb)	0.01	0.0015	96	93	63-132	3

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Mercury	ug/L (ppb)	0.01	100	78-118

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/30/13

Project: 8th Avenue Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309543

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED MERCURY USING EPA METHOD 1631E

-	-	_	Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Mercury	ug/L (ppb)	0.01	100	102	78-118	2

ENVIRONMENTAL CHEMISTS

Date of Report: 11/05/13 Date Received: 09/30/13

Project: 8th Avenue Terminals, Inc. Site, Crowley 101.00205.00030, F&BI 309543

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL SUSPENDED SOLIDS BY METHOD 2540D

Laboratory Code: 310077-02 (Duplicate)

				Relative	
	Reporting	Sample	Duplicate	Percent	Acceptance
Analyte	Units	Result	Result	Difference	Criteria
TSS	mg/L	16	22	32 a	0-20

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
TSS	mg/L	50	105	61-131

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 More than one compound of similar molecule structure was identified with equal probability.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte indicated may be due to carryover from previous sample injections.
- d The sample was diluted. Detection limits may be raised due to dilution.
- ds The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb Analyte present in the blank and the sample.
- fc The compound is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht Analysis performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j The result is below normal reporting limits. The value reported is an estimate.
- J The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the compound indicated is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- $\,$ nm $\,$ The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

October 14, 2013

Michele Costales Poquiz Friedman & Bruya 3012 16th Ave W Seattle, WA 98119

RE: Project: 309543 ARI Job No.: XH56

Dear Michele:

Please find enclosed the Chain-of-Custody record (COC), sample receipt documentation, and the final data for the samples from the project referenced above. Analytical Resources, Inc. (ARI) accepted eight water samples on October 1, 2013 under ARI job XH56. For further details regarding sample receipt, please refer to the enclosed Cooler Receipt Form.

The sample was analyzed for chloride and TDS, as requested on the COC.

There were no anomalies associated with the analyses of this sample.

An electronic copy of this report and all associated raw data will be kept on file at ARI. Should you have any questions or concerns, please feel free to call me at your convenience.

Respectfully,

ANALYTICAL RESOURCES, INC.

Cheronne Oreiro **Project Manager** (206) 695-6214 cheronneo@arilabs.com

www.arilabs.com

cc: eFile XH56

Enclosures

SAMPLE CHAIN OF CUSTODY

Page # of]	TURNAROUND TIME	PO # X Standard Turnaround	C-565 Rush charges authorized by:	SAMPLE DISPOSAL © Dispose after 30 days	☐ Return samples ☐ Will call with instructions	D (EIM)
SUBCONTRACTOR	Analytical Resources, Inc. (ARI)	PROJECT NAME/NO.	309643	REMARKS	Please e-mail results	ELECTRONIC DATA REQUESTED (EIM)
	Send Report To_Michele Costales Poquiz	Company Friedman & Bruya, Inc.	Address 3012 16th Ave. W.	City, State, ZIP_Seattle, WA 98119_	Phone # (206) 285-8282 Fax # (206) 283-5044	Email Address mpoquiz@friedmanandbruya.com

									AN	ALY	SES R	ANALYSES REQUESTED	TED			
Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	TPH-Diesel	anilossD-H9T	BTEX by 8021B	VOCs by 8260	SAOCs by 8270	HFS Hexavalent Cr by 7196A	Total Organic M000e yd nodasO	TDS by 2540C	Chloride by SM4500		Notes
CMW-5-093013		9/30/13	9460	water	2								×	×		
DMW-2-093013			2 h11										×	×		
EMW- 98-093013			1333										×	×		
C MW - 3-093013			5001										×	×		
EMW-18-093013			1203										×	×		-
EMW-14D -09303			Saol										×	×		
EMW-115-093013			1152										×	×		
DMW-3-093013			1423		→								×	×		
TB-043013		\rightarrow	88a 1	-												
							1	-	+	+	$\frac{1}{1}$				-	

Rel	3 8 V	Reli	Rec	
Friedman & Bruya, Inc. 3012 16th Avenue West	Seattle, WA 98119-2029	Ph. (206) 285-8282	Fax (206) 283-5044	FORMS\COC\COC SLRC.DOC

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinguished Ditte Con-	Michael Costales Peguiz	F & CO)	45/13	9:20
Whereigned by:	Leunifler Millan	K	(0/1/3	02)/
Relinquished by:	0			
Received by:	, .			

₹¥H56: 00002



Cooler Receipt Form

ARI Client: Friedman	A Bruka	Project Name: 3095	143		
		r roject rume.			$\Omega_{a} \setminus \Omega$
COC No(s):	1/11/01	Delivered by: Fed-Ex UPS Courie		rered Other:	POSTRU
Assigned ARI Job No:		Tracking No:	5100		NA
Preliminary Examination Phase	:				
Were intact, properly signed and	dated custody seals attached to	the outside of to cooler?		YES	NO
Were custody papers included w	vith the cooler?		(YES	NO
Were custody papers properly fi	lled out (ink, signed, etc.)			(ES)	NO
Temperature of Cooler(s) (°C) (r Time:	ecommended 2.0-6.0 °C for chen	7.7			v 0.1
If cooler temperature is out of co	mpliance fill out form 00070F	i = 1	Temp Gun ID	#:_ <i> 22</i>	4/200
Cooler Accepted by:		Date: <u> (0 / (/ / 3</u> Time: _	([2	20	
	Complete custody forms a	and attach all shipping documents			'
Log-in Phase:			14 s. 1 s. 1 segs 15 s. 1		
•	ed in the cooler?			YES	(NO)
	•	Wet Ice Gel Packs Baggies Foam B	•		
`	priate)?		NA	(YES)	NO
•	ual plastic bags?			YES	(NO)
Did all bottles arrive in good con	dition (unbroken)?	······		(ES)	NO
Were all bottle labels complete a	and legible?			YES	NO
Did the number of containers list	ed on COC match with the numb	per of containers received?		YES	NO
Did all bottle labels and tags agr	ee with custody papers?			YES	NO
Were all bottles used correct for	the requested analyses?			YES	NO
Do any of the analyses (bottles)	require preservation? (attach pre	servation sheet, excluding VOCs)	MB	YES	NO
Were all VOC vials free of air bu	bbles?		NA	YES	NO
Was sufficient amount of sample	sent in each bottle?			ES	NO
Date VOC Trip Blank was made	at ARI		MA		
Was Sample Split by ARI:	A YES Date/Time:	Equipment:		Split by:_	
V		14	17.,		
Samples Logged by:		: Time:	1300		
	** Notify Project Manage	r of discrepancies or concerns **		010 j	000 22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sam	ple ID on Co	oc
W 1111 MM 2 = 1 A A					
			_		
Additional Notes, Discrepanci	es, & Resolutions:		_		
By: D	ate:				
Small Air Bubbles Peabub	CHICK THE CHICKEN	Small → "sm" (<2 mm)			
-2mm 2-4 m	- >4 mm	Peabubbles → "pb" (2 to < 4 mm)			
		Large → "lg" (4 to < 6 mm)	L.A.		
The second and the se		Headspace → "hs" (>6 mm)			

Sample ID Cross Reference Report



ARI Job No: XH56

Client: Friedman & Bruay Project Event: 309543 Project Name: N/A

	Sample ID	ARI Lab ID	ARI LIMS ID	Matrix	Sample Date/Time	VTSR
1.	CMW-5-093013	XH56A	13-21189	Water	09/30/13 09:48	10/01/13 11:20
2.	DMW-2-093013	XH56B	13-21190	Water	09/30/13 11:40	10/01/13 11:20
3.	EMW-9S-093013	XH56C	13-21191	Water	09/30/13 13:33	10/01/13 11:20
4.	CMW-3-093013	XH56D	13-21192	Water	09/30/13 10:05	10/01/13 11:20
5.	EMW-1S-093013	XH56E	13-21193	Water	09/30/13 12:03	10/01/13 11:20
6.	EMW-14D-093013	XH56F	13-21194	Water	09/30/13 10:05	10/01/13 11:20
7.	EMW-11S-093013	XH56G	13-21195	Water	09/30/13 11:52	10/01/13 11:20
8.	DMW-3-093013	XH56H	13-21196	Water	09/30/13 14:23	10/01/13 11:20



Matrix: Water

Data Release Authorized:

Reported: 10/14/13

Project: NA

Event: 309543

Date Sampled: 09/30/13
Date Received: 10/01/13

Client ID: CMW-5-093013 ARI ID: 13-21189 XH56A

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/03/13 100313#1	SM2540C	mg/L	5.0	312
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	5.0	22.6

RL Analytical reporting limit

U Undetected at reported detection limit



Matrix: Water

Data Release Authorized:

Reported: 10/14/13

Project: NA

Event: 309543

Date Sampled: 09/30/13 Date Received: 10/01/13

Client ID: DMW-2-093013 ARI ID: 13-21190 XH56B

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/03/13 100313#1	SM2540C	mg/L	5.0	229
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1.0	8.9

RL Analytical reporting limit

U Undetected at reported detection limit

Water Sample Report-XH56



Matrix: Water

Data Release Authorized

Reported: 10/14/13

Project: NA

Event: 309543

Date Sampled: 09/30/13

Date Received: 10/01/13

Client ID: EMW-9S-093013 ARI ID: 13-21191 XH56C

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/03/13 100313#1	SM2540C	mg/L	5.0	212
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	5.0	9.9

RL Analytical reporting limit

U Undetected at reported detection limit



Matrix: Water

Data Release Authorized: Reported: 10/14/13

Project: NA

Event: 309543

Date Sampled: 09/30/13 Date Received: 10/01/13

Client ID: CMW-3-093013 ARI ID: 13-21192 XH56D

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/03/13 100313#1	SM2540C	mg/L	200	8,100
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1,000	5,930

RLAnalytical reporting limit

U Undetected at reported detection limit



Matrix: Water

Data Release Authorized

Reported: 10/14/13

Project: NA

Event: 309543

Date Sampled: 09/30/13

Date Received: 10/01/13

Client ID: EMW-1S-093013 ARI ID: 13-21193 XH56E

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/03/13 100313#1	SM2540C	mg/L	5.0	257
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	10.0	14.0

RL Analytical reporting limit

U Undetected at reported detection limit



Matrix: Water

Data Release Authorized:

Reported: 10/14/13

Project: NA

Event: 309543
Date Sampled: 09/30/13
Date Received: 10/01/13

Client ID: EMW-14D-093013 ARI ID: 13-21194 XH56F

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/03/13 100313#1	SM2540C	mg/L	200	8,680
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	1,000	6,240

RLAnalytical reporting limit

U Undetected at reported detection limit



Matrix: Water

Data Release Authorized:

Reported: 10/14/13

Project: NA

Event: 309543

Date Sampled: 09/30/13
Date Received: 10/01/13

Client ID: EMW-11S-093013 ARI ID: 13-21195 XH56G

Analyte	Date Batch	Method	Units	RL	Sample
Total Dissolved Solids	10/03/13 100313#1	SM2540C	mg/L	5.0	278
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	5.0	8.6

RL Analytical reporting limit

U Undetected at reported detection limit



Matrix: Water

Data Release Authorized:

Reported: 10/14/13

Project: NA

Event: 309543

Date Sampled: 09/30/13
Date Received: 10/01/13

Client ID: DMW-3-093013 ARI ID: 13-21196 XH56H

Analyte	Date Batch	Mathod	Units	RL	Sample
Total Dissolved Solids	10/03/13 100313#1	SM2540C	mg/L	5.0	208
Chloride	10/04/13 100413#1	SM4500-CLE	mg/L	5.0	11.8

RL Analytical reporting limit

U Undetected at reported detection limit

Water Sample Report-XH56



Matrix: Water

Data Release Authorized Reported: 10/14/13

Project: NA

Event: 309543

Date Sampled: 09/30/13 Date Received: 10/01/13

Analyte	Method	Date 1	Units	Sample	Spike	Spike Added	Recovery
ARI ID: XH56A	Client ID: CMW-5-09	3013					
Chloride	SM4500-CLE	10/04/13	mg/L	22.6	71.4	50.0	97.6%



Matrix: Water

Data Release Authorized Reported: 10/14/13

Project: NA

Event: 309543
Date Sampled: 09/30/13
Date Received: 10/01/13

Analyte	Method	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: XH56A Client	ID: CMW-5-09	3013				
Total Dissolved Solids	SM2540C	10/03/13	mg/L	312	317	1.6%
Chloride	SM4500-CLE	10/04/13	mg/L	22.6	23.5	3.9%

LAB CONTROL RESULTS-CONVENTIONALS XH56-Friedman & Bruay



Matrix: Water

Data Release Authorized: Reported: 10/14/13

Project: NA

Event: 309543 Date Sampled: NA Date Received: NA

Analyte/Method	QC ID	Date	Units	LCS	Spike Added	Recovery
Total Dissolved Solids SM2540C	ICVL	10/03/13	mg/L	493	500	98.6%

METHOD BLANK RESULTS-CONVENTIONALS XH56-Friedman & Bruay



Matrix: Water

Data Release Authorized Reported: 10/14/13

Project: NA

Event: 309543 Date Sampled: NA

Date Received: NA

Analyte	Method	Date	Units	Blank	ID
Total Dissolved Solids	SM2540C	10/03/13	mg/L	< 5.0 U	
Chloride	SM4500-CLE	10/04/13	mg/L	< 1.0 U	FB

FBFiltration Blank

STANDARD REFERENCE RESULTS-CONVENTIONALS XH56-Friedman & Bruay



Matrix: Water

Data Release Authorized Reported: 10/14/13

Project: NA
Event: 309543
Date Sampled: NA Date Received: NA

Analyte/SRM ID	Method	Date	Units	SRM	True Value	Recovery
Chloride ERA #411010	SM4500-CLE	10/04/13	mg/L	5.0	5.0	100.0%



November 5, 2013

Michele Poquiz Friedman & Bruya, Inc. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282

Project Name: 309543

Ms Poquiz,

Attached is the report associated with eight (8) aqueous samples submitted for dissolved arsenic, copper, and selenium analyses on October 16, 2013. All samples were received on the same day, October 16, 2013, in a sealed cooler at 4.2°C. Dissolved metals analyses were performed via inductively coupled plasma dynamic reaction cell mass spectrometry (ICP-DRC-MS). Any analytical issues associated with the analyses are addressed in the following report.

If you have any questions, please feel free to contact me at your convenience.

Sincerely,

Jeremy Maute Project Coordinator

Applied Speciation and Consulting, LLC

Applied Speciation and Consulting, LLC

Report prepared for:

Michele Poquiz Friedman & Bruya, Inc. 3012 16th Avenue West Seattle, WA 98119-2029

Project Name: 309543

November 5, 2013

1. Sample Reception

Eight (8) aqueous samples were submitted for dissolved arsenic, copper, and selenium analyses on October 16, 2013. All samples were received in acceptable condition on the same day, October 16, 2013, in a sealed container at 4.2°C.

The samples submitted for dissolved metals analyses were filtered and preserved prior to reception at Applied Speciation and Consulting. The pH values of the samples were checked upon sample reception to confirm the adequacy of sample preservation.

The samples were received in a laminar flow clean hood void of trace metals contamination and ultra-violet radiation. The samples were stored in a secure enclosed container, known to be free from trace metals contamination, until the digestion and analysis could be performed.

The sample collection time listed on the container for the client sample EMW-1S-093013 did not match the corresponding sample collection time provided on the chain-of-custody (COC) form. The associated COC form indicates that sample EMW-1S-093013 was collected on 9/30/2013 at 12:03. The corresponding sample container label indicates that sample EMW-1S-093013 was collected on 9/30/2013 at 12:29. All other descriptive parameters on the sample container agreed with those provided on the associated COC.

The sample container/COC form collection time agreement issue described above was documented on the associated COC form by sample reception staff at Applied Speciation and Consulting. The sample was logged into the system under the sample ID provided on the COC, which was in agreement with the client sample ID listed on the corresponding sample container label.

2. Sample Preparation

All sample preparation is performed in laminar flow clean hoods known to be free from trace metals contamination. All applied water for dilutions and sample preservatives are monitored for contamination to account for any biases associated with the sample results.

<u>Dissolved As, Cu, and Se Analysis by ICP-DRC-MS</u> The samples submitted for dissolved metals analyses were filtered and preserved prior to reception at Applied Speciation and Consulting. All preserved samples were digested in accordance with EPA Method 200.8 on October 18, 2013. All sample digests were then analyzed via inductively coupled plasma dynamic reaction cell mass spectrometry (ICP-DRC-MS).

3. Sample Analysis

All sample analysis is precluded by a minimum of a five-point calibration curve spanning the entire concentration range of interest. Calibration curves are performed at the beginning of each analytical day. All calibration curves, associated with each species of interest, are standardized by linear regression resulting in a response factor. All sample results are **instrument blank corrected** to account for any operational biases associated with the analytical platform.

Prior to sample analysis, all calibration curves are verified using second source standards which are identified as initial calibration verification standards (ICV).

Ongoing instrument performance is identified by the analysis of continuing calibration verification standards (CCV) and continuing calibration blanks (CCB) at a minimum interval of every ten analytical runs.

<u>Dissolved As, Cu, and Se Analysis by ICP-DRC-MS</u> All sample digests for dissolved arsenic, copper, and selenium analysis were analyzed by inductively coupled plasma dynamic reaction cell mass spectrometry (ICP-DRC-MS) on November 1, 2013. Aliquots of each sample are introduced into a radio frequency (RF) plasma where energy-transfer processes cause desolvation, atomization, and ionization. The ions are extracted from the plasma through a differentially-pumped vacuum interface and travel through a pressurized chamber (DRC) containing a specific reactive gas which preferentially reacts with interfering ions of the same target mass to charge ratios (m/z). A solid-state detector detects ions transmitted through the mass analyzer, on the basis of their mass-to-charge ratio (m/z), and the resulting current is processed by a data handling system.

4. Analytical Issues

The overall analyses went well and no significant analytical issues were encountered. All quality control parameters associated with these samples were within acceptance limits.

The estimated method detection limits (eMDL) for dissolved metals have been calculated using the standard deviation of the preparation blanks preserved and analyzed concurrently with the submitted samples.

If you have any questions or concerns regarding this report, please feel free to contact me.

Sincerely,

Jeremy Maute

Project Coordinator

Applied Speciation and Consulting, LLC

Date: November 5, 2013

Applied Speciation and Consulting, LLC Report Generated by: Jeremy Maute

9/30/2013 Date Sampled: Client Sample ID CMW-5-093013

Date Received: 10/16/2013

Laboratory Sample ID CMW-5-093013

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM2	5	0.010	0.20	73.0
Diss Cu	EPA 200.8	TM2	5	0.18	0.20	0.40
Diss Se	EPA 200.8	TM2	2	0.072	0.20	0.159 J
:			distribution of the second	as the man hard to a second		The state of the s

All results are reported in $\mu g/L$ and reflect the applied dilution U=Sample concentration is below the eMDL

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

9/30/2013 Date Sampled:

Date Received: 10/16/2013

Client Sample ID DMW-2-093013

Laboratory Sample ID DMW-2-093013

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM2	5	0.010	0.20	5.38
Diss Cu	EPA 200.8	TM2	2	0.18	0.20	0.45
Diss Se	EPA 200.8	TM2	5	0.072	0.20	< 0.072 U

All results are reported in μg/L and reflect the applied dilution U = Sample concentration is below the eMDL
J = Sample concentration is between the eMDL and the RL

Applied Speciation and Consulting, LLC Report Generated by: Jeremy Maute Date: November 5, 2013

> 9/30/2013 Date Sampled:

Client Sample ID EMW-9S-093013

Date Received: 10/16/2013

Laboratory Sample ID EMW-9S-093013

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM2	5	0.010	0.20	21.4
Diss Cu	EPA 200.8	TM2	5	0.18	0.20	0.26
Diss Se	EPA 200.8	TM2	. 22	0.072	0.20	< 0.072 U
					and the second s	

All results are reported in $\mu g/L$ and reflect the applied dilution U=Sample concentration is below the eMDL

Applied Speciation and Consulting, LLC Report Generated by: Jeremy Maute Date: November 5, 2013

> 9/30/2013 Date Sampled:

Date Received: 10/16/2013

Client Sample ID CMW-3-093013

Laboratory Sample ID CMW-3-093013

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL.	Limit	Concentration
Diss As	EPA 200.8	TM2	5	0.010	0.20	12.6
Diss Cu	EPA 200.8	TM2	Ŋ	0.18	0.20	2.12
Diss Se	EPA 200.8	TM2	2	0.072	0.20	< 0.072 U
1000 - 100 -				- man giventie com content o		a service of Association and Association of the Ass

All results are reported in $\mu g/L$ and reflect the applied dilution U=Sample concentration is below the eMDL

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Date Sampled:

9/30/2013

Date Received: 10/16/2013

Client Sample ID EMW-1S-093013

Laboratory Sample ID EMW-1S-093013

					Reporting		
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration	
Diss As	EPA 200.8	TM2	5	0.010	0.20	12.5	
Diss Cu	EPA 200.8	TM2	2	0.18	0.20	0.47	
Diss Se	EPA 200.8	TM2	5	0.072	0.20	0.107 J	
110						topic is a second or the secon	

All results are reported in $\mu g/L$ and reflect the applied dilution U=Sample concentration is below the eMDL

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

9/30/2013 Date Sampled:

Date Received: 10/16/2013

Client Sample ID EMW-14D-093013

Laboratory Sample ID EMW-14D-093013

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM2	5	0.010	0.20	1.25
Diss Cu	EPA 200.8	TM2	5	0.18	0.20	0.50
Diss Se	EPA 200.8	TM2	5	0.072	0.20	< 0.072 U

All results are reported in μg/L and reflect the applied dilution U = Sample concentration is below the eMDL J = Sample concentration is between the eMDL and the RL

Date: November 5, 2013 Report Generated by: Jeremy Maute

Applied Speciation and Consulting, LLC

9/30/2013 Date Sampled:

Date Received: 10/16/2013 Client Sample ID

Laboratory Sample ID EMW-115-093013

EMW-11S-093013

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM2	5	0.010	0.20	3.44
Diss Cu	EPA 200.8	TM2	2	0.18	0.20	2.55
Diss Se	EPA 200.8	TM2	5	0.072	0.20	0.125 J

All results are reported in $\mu g/L$ and reflect the applied dilution U=Sample concentration is below the eMDL

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Date Received: 10/16/2013

9/30/2013 Date Sampled: Client Sample ID DMW-3-093013

Laboratory Sample ID DMW-3-093013

					Reporting	
Analyte	Method	Batch ID	Dilution	eMDL	Limit	Concentration
Diss As	EPA 200.8	TM2	5	0.010	0.20	5.44
Diss Cu	EPA 200.8	TM2	2	0.18	0.20	0.33
Diss Se	EPA 200.8	TM2	2	0.072	0.20	< 0.072 U
						10 000

All results are reported in μg/L and reflect the applied dilution U = Sample concentration is below the eMDL

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Quality Control Summary - Preparation Blank Summary

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Analyte (µg/L)	Batch ID	PBW-1	PBW-2	PBW-3	PBW-4	Mean	StdDev	eMDL*	eMDL 5x	Sample RL
Diss As	TM2	0.013	0.012	0.011	0.005	0.010	0.003	0.002	0.010	0.20
Diss Cu	TM2	0.02	0.12	00.0	-0.02	0.03	90.0	0.04	0.18	0.20
Diss Se	TM2	-0.058	-0.042	-0.025	-0.002	-0.032	0.024	0.014	0.072	0.20
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eMDL = Estimated Method Detection Limit

^{*} Please see narrative regarding eMDL calculations

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Quality Control Si	ummary - Certifi	uality Control Summary - Certified Reference Material	<u>rial</u>		
Analyte (µg/L)	Batch ID	SOT	True Value	Result	Recovery
Total As	TM2	SOT	400.0	370.3	92.6
Total As	TM2	TMDA-70	40.7	38.7	95.0
Total Cu	TM2	SOT	400.0	395.4	98.9
Total Cu	TM2	TMDA-70	399	388	97.3
Total Se	TM2	SOT	400.0	375.7	93.9
Total Se	TM2	TMDA-70	25.9	23.6	91.0
the contract of the contract o			to the property of the state of	A second management of contract for the second of the seco	Section of the Control of the Contro

Trace Element Results for Friedman and Bruya Contact: Michele Poquiz

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Quality Control Summary - Matrix Duplicates

Analyte (µg/L)	Sample ID	Batch ID	Rep 1	Rep 2	Mean	RPD
Diss As	DMW-3-093013	TM2	5.444	5.524	5.484	1.5
Diss Cu	DMW-3-093013	TM2	0.33	0.29	0.31	12.4
Diss Se	DMW-3-093013	TM2	< 0.072 U	< 0.072 U	NC	NC
NC = Not calculated due to	I due to one or more values below the eMDL	elow the eMDL				

U = Sample concentration is below the eMDL

J = Sample concentration is between the eMDL and the RL

Trace Element Results for Friedman and Bruya Contact: Michele Poquiz

Date: November 5, 2013
Report Generated by: Jeremy Maute
Applied Speciation and Consulting, LLC

Quality Control Summary - Matrix Spike/ Matrix Spike Duplicate

			Spike			Spike	MSD		
Analyte (µg/L)	Sample ID	Batch ID	Conc	MS Result	Recovery	Conc	Result	Recovery	RPD
Diss As	DMW-3-093013	TM2	400.0	375.7	92.6	400.0	431.3	106.4	13.8
Diss Cu	DMW-3-093013	TM2	400.0	353.3	88.2	400.0	410.6	102.6	15.0
Diss Se	DMW-3-093013	TM2	400.0	371.4	92.8	400.0	424.3	106.1	13.3
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pg 40f 41

SAMPLE CHAIN OF CUSTODY

TURNAROUND TIME Rush charges authorized by: ☐ Will call with instructions SAMPLE DISPOSAL XStandard Turnaround ₹Dispose after 30 days Samples Received at Return samples Page # SUBCONTRACTOR 10/11/13 Applied Spenie Han C-595 ELECTRONIC DATA REQUESTED (EIM) (~ 10/16/13 PO# Please e-mail results PROJECT NAME/NO. 309543 REMARKS Fax #__(206) 283-5044 Email Address mpoquiz@friedmanandbruya.com Send Report To_Michele Costales Poquiz City, State, ZIP_Seattle, WA 98119_ Company_Friedman & Bruya, Inc. 3012 16th Ave. W. Phone #_(206) 285-8282_ Address_

	Notes	pars needed:	As 0.150ppb	Se o.ssyppb	Cu 0.336 ppb	•	All samples	were field	filters 2x	
	100-DRC-MS									
	Z4 CJ 25	X	X	X	X	×	×	X	×	
	SM4500			$\hat{}$						
	Chloride by									
ED	TDS by 2540C									
ANALYSES REQUESTED	Total Organic Moboe yd nodraD									
RE	¥9617 vd									
SES	HFS Hexavalent Cr									 -
ALY	SVOCs by 8270									-
AN	VOCs by 8260									 -
	BTEX by 8021B									_
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	TPH-Gasoline									
	Sesi G-HqT									
	# of containers									
	Sample Type	water	-			10. 10.			→	
	Time Sampled	8460	1140	1333	Sool	1203	5001	1152	5441	
-	Date Sampled	61/00/13							→	
	Lab ID									
	Sample ID	CMW-5-093013	· DMW-2-093013	EMW-98-093013	· CMW-3-093013	@ EMW-1S-093013	· EMW- 140 -093013	EMW- 118-093013	DMW-3-093013	
		CMW.	• DMW	FMW	· C MW	EMW	• EMW	• EMW	• DAW	

Friedman & Bruya, Inc. Seattle, WA 98119-2029 3012 16th Avenue West Ph. (206) 285-8282

Fax (206) 283-5044

10:15 AM TIME 000 10/16/13 E1) 41/01 DATE 4.28 COMPANY F & B1 SET Michele Costales Poquiz PRINT NAME Jacki Ford SIGNATURE Relinquished by: Relinquished by: Received by: Received by:

DEMW-15-093018 was colucted at 1229 anglao 113 according to sample label upon receipt

B/N3/81 ☐ Return samples ☐ Will call with instructions TURNAROUND TIME Ø-Standard (2 Weeks)
☐ RUSH
Rush charges authorized by SAMPLE DISPOSAL ☐ Dispose after 30 days KJ 09-30-13 101.002 CE 600 30 PO# REMARKS NWTPH-BX for DRO+ 110 after silica get cleanup SAMPLERS (signature) ... M. M. PROJECT NAMENO.

8+> Array Termin - 15, 100 5:the
cowledge of 20032 SAMPLE CHAIN OF CUSTODY Phone # 425-402-8800 Fax # 425-402-1489 Company SLR International Grp Address 22/18 20th Ave SE G202 City, State, ZIP Bothell, WA, 98021 309543 Send Report To Mike Staton

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SS REQU	315 8/ 8/ 8/ 315 4/ 8/ 8/ 8/ 8/ 8/ 8/ 8/ 8/ 8/ 8/ 8/ 8/ 8/	X							7	
ANALYSES REQUESTED	SVOCs by 8270b	$\langle \cdot \rangle$								
A	VOCs by8260 €	$\stackrel{\bigcirc}{\boxtimes}$							ラ	X
	TPH-Gasoline BTEX by 8021B	\times							->	
	Nessel TPH-Diesel	\boxtimes							->	
	# of containers	76				-			\Rightarrow	t
	Sample Type	WATER	_							~
	Time Sampled	8५५०	1140	1333	1005	1203	1005	1152	1423	8501
1-/15/13	Date Sampled	01 th 9 130 113								\rightarrow
2/2	Lab	01 &	02 <u>%</u>	02 <u>₹</u>	\$ to	8.2	₹.3 8	07.	08%	SA
V=added per Mike Staten / No 11/15/13	Sample ID	CMW-5-093013	DMW-2-093013 020	EMW-95-093013	CMW-3-093013 043	EMW-15-093013 05th	5 00 51050- OHI - WM3	EMW-115-093013 070	DMW-3-093013 080	TB-093013

FORMS/COC/COC.DOC

TIME 16/8 <u>ه</u> <u>ک</u> 2/2/13 9/30/13 DATE Samples meehred of COMPANY FFB ンパ Amanda Mengniot Johnson PRINT NAME SIGNATURE Refluguished by: Relinquished by: Received by: Received by:

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Kurt Johnson, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

August 13, 2013

Mike Staton SLR International Corp. 22118 20th Ave. SE., G-202 Bothell, WA 98021

Dear Mr. Staton:

Included are the results from the testing of material submitted on July 24, 2013 from the Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307358 project. There are 41 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Crimble Postel Poquiz

Michele Costales Poquiz

Chemist

Enclosures SLR0813R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 24, 2013 by Friedman & Bruya, Inc. from the SLR International Corp. Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307358 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	SLR International Corp.
307358-01	Seep-1
307358-02	Seep-2
307358-03	Seep-3

<u>Total Petroleum Hydrocarbons as Gasoline by Method NWTPH-Gx</u> All quality control requirements were acceptable.

<u>Total Petroleum Hydrocarbons as Diesel and Motor Oil by Method NWTPH-Dx with</u> Silica Gel

The percent recovery for the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) failed high. The result has been flagged accordingly.

Volatile Compounds by EPA Method 8260C

The calibration result for bromomethane fell outside of acceptance criteria. The values reported are estimates.

The percent recovery for the matrix spike (MS), matrix spike duplicate (MSD), LCS, and LCSD failed high for several compounds. The samples were non-detect for these compounds, therefore the results are valid.

Semivolatile Organic Compounds by EPA Method 8270D

The presence of bis(2-ethylhexyl) phthalate in the samples and method blank is likely due to laboratory contamination. The results have been flagged accordingly.

The internal standard associated with di-n-octyl phthalate exceeded acceptance criteria for the sample Seep-2. The results have been flagged accordingly.

The internal standard exceeded acceptance criteria for the sample Seep-3. The sample was diluted and reanalyzed. The results from the original analysis and the re-analysis are included.

The percent recovery for the LCSD and the RPD for the LCS/LCSD exceeded acceptance criteria for 2,4-dimethylphenol and benzoic acid. The results have been flagged accordingly.

ENVIRONMENTAL CHEMISTS

Semivolatile Organic Compounds by EPA Method 8270D SIM

A surrogate exceeded acceptance criteria for the sample Seep-2. The result has been flagged accordingly.

<u>Polychlorinated Biphenyls as Aroclor 1016/1260 by EPA Method 8082A</u> All quality control requirements were acceptable.

Total Metals by EPA Method 200.8

The internal standards associated with several analytes exceeded acceptance criteria for the samples Seep-1, Seep-2, and Seep-3. The samples were diluted and reanalyzed. The results from the original analysis and the re-analysis are included.

Total Mercury by EPA Method 1631E

All quality control requirements were acceptable.

Total Suspended Solids by Method 2540D

All quality control requirements were acceptable.

Total Organic Carbon by EPA Method 9060M

The samples were sent to Analytical Resources, Inc. for total organic carbon analysis. The report generated by ARI is enclosed.

Chloride by Method SM4500

The samples were sent to ARI for chloride analysis. The report generated by ARI is enclosed.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/13/13 Date Received: 07/24/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307358

Date Extracted: 07/25/13 Date Analyzed: 07/25/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Gasoline Range	Surrogate (<u>% Recovery)</u> (Limit 51-134)
Seep-1 307358-01	<12	89
Seep-2 307358-02	<12	89
Seep-3 307358-03	<12	88
Method Blank 03-1443 MB	<12	91

ENVIRONMENTAL CHEMISTS

Date of Report: 08/13/13 Date Received: 07/24/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307358

Date Extracted: 07/29/13 Date Analyzed: 07/30/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx Sample Extracts Passed Through a Silica Gel Column Prior to Analysis

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C ₁₀ -C ₂₅)	Motor Oil Range (C ₂₅ -C ₃₆)	Surrogate (% Recovery) (Limit 51-134)
Seep-1 307358-01	<6.9	<52	87
Seep-2 307358-02	<6.9	<52	88
Seep-3 307358-03 *	<6.9	<52	89
Method Blank 03-1477 MB	<6.9	<52	74

ENVIRONMENTAL CHEMISTS

Client Sample ID:	Seep-1	Client:	SLR International Corp.
Date Received:	07/24/13	Project:	Crowley RIFS 101.00205.00030
Date Extracted:	07/26/13	Lab ID:	307358-01
Date Analyzed:	07/26/13	Data File:	072612.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	100	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	<0.2 ca j	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	< 0.44
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	Seep-2	Client:	SLR International Corp.
Date Received:	07/24/13	Project:	Crowley RIFS 101.00205.00030
Date Extracted:	07/25/13	Lab ID:	307358-02
Date Analyzed:	07/25/13	Data File:	072509.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	98	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	<0.2 ca j	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	< 0.44
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	Seep-3	Client:	SLR International Corp.
Date Received:	07/24/13	Project:	Crowley RIFS 101.00205.00030
Date Extracted:	07/25/13	Lab ID:	307358-03
Date Analyzed:	07/25/13	Data File:	072510.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	99	50	150

0 1	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	<0.2 ca j	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	< 0.44
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	Method Blank	Client:	SLR International Corp.
Date Received:	N/A	Project:	Crowley RIFS 101.00205.00030
Date Extracted:	07/25/13	Lab ID:	03-1328 mb2
Date Analyzed:	07/25/13	Data File:	072507.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	96	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	<0.2 ca j	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	< 0.44
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	Seep-1 07/24/13 07/30/13 08/02/13 Water ug/L (ppb)		Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. Crowley RIFS 101.00205.00030 307358-01 080216.D GCMS8 ya
Surrogates: 2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromophen Terphenyl-d14	ol	% Recovery: 35 31 106 107 71 114	Lower Limit: 32 10 50 43 43 39	Upper Limit: 162 170 150 158 146 168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	<0.28 jl	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	1.2 fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	Seep-2	Client:	SLR International Corp.
Date Received:	07/24/13	Project:	Crowley RIFS 101.00205.00030
Date Extracted:	07/30/13	Lab ID:	307358-02
Date Analyzed:	08/02/13	Data File:	080217.D
Matrix:	Water	Instrument:	GCMS8
Units:	ug/L (ppb)	Operator:	ya

	Lower	Upper
% Recovery:	Limit:	Limit:
49	32	162
33	10	170
102	50	150
105	43	158
110	43	146
123	39	168
	49 33 102 105 110	% Recovery: Limit: 49 32 33 10 102 50 105 43 110 43

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	<0.28 jl	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.28 fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	<0.044 J
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D

	Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	Seep-3 07/24/13 07/30/13 08/03/13 Water ug/L (ppb)		Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Co Crowley RIFS 101.00 307358-03 080218.D GCMS8 ya	
	Surrogates: 2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromophene Terphenyl-d14	ol	% Recovery: 59 J 34 J 100 J 107 J 103 J 139 J	Lower Limit: 32 10 50 43 43 39	Upper Limit: 162 170 150 158 146 168	
	Compounds:		Concentration ug/L (ppb)	Compou	nds:	Concentration ug/L (ppb)
Phenol -		<0.14 J	2,4,6-Tri	ichlorophenol	<0.28 J	
Bis(2-chloroethyl) ether		<0.06 J	±.		<0.22 J	
2-Chlorophenol		<0.16 J	*		<0.044 J	
1,3-Dichlorobenzene		<0.034 J	<u> </u>		<0.086 J	
1 AD: 11 1		0.004.7	D		0.05.1	

<0.094 J

Hexachlorocyclopentadiene

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	Seep-3 07/24/13 07/30/13 08/05/13 Water ug/L (ppb)		Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. Crowley RIFS 101.00205.00030 207358-03 1/10 080512.D GCMS8 ya
Surrogates: 2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromopher Terphenyl-d14	nol	% Recovery: 46 ds 27 ds 83 ds 100 ds 83 ds 102 ds	Lower Limit: 32 10 50 43 43 39	Upper Limit: 162 170 150 158 146 168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	<1.4	2,4,6-Trichlorophenol	<2.8
Bis(2-chloroethyl) ether	< 0.6	2,4,5-Trichlorophenol	<2.2
2-Chlorophenol	<1.6	2-Chloronaphthalene	< 0.44
1,3-Dichlorobenzene	< 0.34	2-Nitroaniline	< 0.86
1,4-Dichlorobenzene	< 0.34	Dimethyl phthalate	< 0.5
1,2-Dichlorobenzene	< 0.24	2,6-Dinitrotoluene	< 0.62
Benzyl alcohol	<4	3-Nitroaniline	< 4.6
Bis(2-chloroisopropyl) ether	< 0.3	2,4-Dinitrophenol	<24
2-Methylphenol	<2.6	Dibenzofuran	< 0.34
Hexachloroethane	< 0.6	2,4-Dinitrotoluene	< 0.56
N-Nitroso-di-n-propylamine	<1.1	4-Nitrophenol	<13
3-Methylphenol + 4-Methylphenol	<4.2	Diethyl phthalate	< 0.6
Nitrobenzene	< 0.44	4-Chlorophenyl phenyl ether	< 0.72
Isophorone	< 0.3	N-Nitrosodiphenylamine	< 0.5
2-Nitrophenol	<1.7	4-Nitroaniline	< 5.6
2,4-Dimethylphenol	<2.8 jl	4,6-Dinitro-2-methylphenol	<3.8
Benzoic acid	<140	4-Bromophenyl phenyl ether	< 0.56
Bis(2-chloroethoxy)methane	< 0.34	Hexachlorobenzene	< 0.5
2,4-Dichlorophenol	<2.6	Pentachlorophenol	<3.2
1,2,4-Trichlorobenzene	< 0.5	Carbazole	< 0.48
Hexachlorobutadiene	< 0.7	Di-n-butyl phthalate	< 0.68
4-Chloroaniline	< 0.56	Benzyl butyl phthalate	< 0.86
4-Chloro-3-methylphenol	<2.4	Bis(2-ethylhexyl) phthalate	<1.7
2-Methylnaphthalene	< 0.34	Di-n-octyl phthalate	< 0.44
Hexachlorocyclopentadiene	< 0.94		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	Method Blank	Client:	SLR International Corp.
Date Received:	N/A	Project:	Crowley RIFS 101.00205.00030
Date Extracted:	07/30/13	Lab ID:	03-1486 mb
Date Analyzed:	08/02/13	Data File:	080213.D
Matrix:	Water	Instrument:	GCMS8
Units:	ug/L (ppb)	Operator:	ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	30	32	162
Phenol-d6	25	10	170
Nitrobenzene-d5	89	50	150
2-Fluorobiphenyl	88	43	158
2,4,6-Tribromophenol	63	43	146
Terphenyl-d14	95	39	168

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylpheno		Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	<0.28 jl	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.18 lc
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: Date Received: Date Extracted: Date Analyzed:	Seep-1 07/24/13 07/30/13 07/31/13
Matrix:	Water
Units:	ug/L (ppb)

Client: Project: Lab ID: Data File: Instrument:

Operator:

SLR International Corp.

Crowley RIFS 101.00205.00030

307358-01 073111.D GCMS6 ya

Surrogates:	% Recovery:
Anthracene-d10	93
Benzo(a)anthracene-d12	110

Lower
Limit:
50
50

Upper Limit: 150 129

	Concentration
Compounds:	ug/L (ppb)
Naphthalene	0.011
Acenaphthylene	< 0.0024
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	0.0092
Anthracene	< 0.0028
Fluoranthene	0.0063
Pyrene	0.0044
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	Seep-2 07/24/13
Date Received: Date Extracted:	07/24/13
Date Extracted. Date Analyzed:	08/01/13
Matrix:	Water
Units:	ug/L (ppb)

Client:	SLR International Corp.
Project:	Crowley RIFS 101.00205.00030
Lab ID:	307358-02
Data File:	080109.D
Instrument:	GCMS6
Operator:	ya

Surrogates: Anthracene-d10 Benzo(a)anthracene-d12	% Recovery: 125 145 vo	Lower Limit: 50 50	Upper Limit: 150 129
	Concentration		
Compounds:	ug/L (ppb)		
Naphthalene	0.0046		
Acenaphthylene	< 0.0024		
Acenaphthene	0.0044		

Fluorene < 0.004 Phenanthrene 0.0082 Anthracene < 0.0028 Fluoranthene 0.0047 Pyrene < 0.0036 Benz(a)anthracene < 0.0042 Chrysene < 0.0038 Benzo(a)pyrene < 0.0078 Benzo(b)fluoranthene < 0.0052 Benzo(k)fluoranthene < 0.0076 Indeno(1,2,3-cd)pyrene < 0.007 Dibenz(a,h)anthracene < 0.004 Benzo(g,h,i)perylene < 0.0044

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: Seep-3 Date Received: 07/24/13 Date Extracted: 07/30/13 07/31/13 Date Analyzed: Water Matrix: Units: ug/L (ppb)

Client: Project: Lab ID: SLR International Corp.

Crowley RIFS 101.00205.00030

307358-03 Data File: 073113.D Instrument: GCMS6 Operator:

ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	96	50	150
Benzo(a)anthracene-d12	107	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	0.0048
Acenaphthylene	< 0.0024
Acenaphthene	0.0050
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	< 0.0028
Fluoranthene	< 0.0046
Pyrene	< 0.0036
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: Method Blank
Date Received: N/A
Date Extracted: 07/30/13
Date Analyzed: 07/31/13
Matrix: Water
Units: ug/L (ppb)

Lab ID: Data File: Instrument: Operator:

Client:

Project:

SLR International Corp.

Crowley RIFS 101.00205.00030

03-1487 mb 073108.D GCMS6 ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	92	50	150
Benzo(a)anthracene-d12	99	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	< 0.004
Acenaphthylene	< 0.0024
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	< 0.0028
Fluoranthene	< 0.0046
Pyrene	< 0.0036
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082

Client Sample ID: Seep-1 Date Received: 07/24/13 Date Extracted: 07/29/13 Date Analyzed: 07/30/13 Matrix: Water Units:

ug/L (ppb)

Aroclor 1260

Surrogates: TCMX % Recovery: 90

Concentration Compounds: ug/L (ppb) Aroclor 1221 < 0.01 jAroclor 1232 < 0.01 jAroclor 1016 < 0.01 jAroclor 1242 <0.01 j Aroclor 1248 < 0.01 jAroclor 1254 < 0.01 j

< 0.01 j

Client: SLR International Corp.

Crowley RIFS 101.00205.00030 Project:

Lab ID: 307358-01 1/0.25 Data File: 18.D\ECD1A.CH

Instrument: GC7 Operator: mwdl

> Lower Upper Limit: Limit: 50 150

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082

Client Sample ID: Seep-2 Date Received: 07/24/13 Date Extracted: 07/29/13 Date Analyzed: 07/30/13 Matrix: Water Units: ug/L (ppb)

Surrogates:

TCMX

Lab ID: Data File: Operator:

Client:

Project:

SLR International Corp. Crowley RIFS 101.00205.00030

307358-02 1/0.25 20.D\ECD1A.CH

Instrument: GC7 mwdl

% Recovery:

86

Upper Limit: Lower Limit: 150 50

Concentration Compounds: ug/L (ppb) Aroclor 1221 < 0.01 jAroclor 1232 < 0.01 jAroclor 1016 <0.01 jAroclor 1242 <0.01 jAroclor 1248 < 0.01 jAroclor 1254 < 0.01 jAroclor 1260 < 0.01 j

ENVIRONMENTAL CHEMISTS

Upper Limit: 150

Analysis For PCBs By EPA Method 8082

Aroclor 1248 Aroclor 1254

Aroclor 1260

•	· ·		
Client Sample ID:	Seep-3	Client:	SLR International Corp.
Date Received:	07/24/13	Project:	Crowley RIFS 101.00205.00030
Date Extracted:	07/29/13	Lab ID:	307358-03 1/0.25
Date Analyzed:	07/30/13	Data File:	22.D\ECD1A.CH
Matrix:	Water	Instrument:	GC7
Units:	ug/L (ppb)	Operator:	mwdl
	-	Louron	Linnon
_		Lower	Upper

Surrogates: TCMX	% Recovery: 84	Limit: 50	
Compounds:	Concentration ug/L (ppb)		
Aroclor 1221	<0.01 j		
Aroclor 1232	<0.01 j		
Aroclor 1016	<0.01 j		
Aroclor 1242	<0.01 i		

<0.01 j <0.01 j

<0.01 j

ENVIRONMENTAL CHEMISTS

Client:

Project:

Lab ID:

Data File:

Operator:

Instrument:

SLR International Corp.

03-1480 mb 1/0.25

GC7

mwdl

073012.D\ECD1A.CH

Crowley RIFS 101.00205.00030

Analysis For PCBs By EPA Method 8082

14 1 1791 1
Method Blank
N/A
07/29/13
07/30/13
Water
ug/L (ppb)

Surrogates: TCMX	% Recovery: 84	Lower Limit: 50	Upper Limit: 150

Compounds:	Concentration ug/L (ppb)
Aroclor 1221	<0.01 j
Aroclor 1232	<0.01 j
Aroclor 1016	<0.01 j
Aroclor 1242	<0.01 j
Aroclor 1248	<0.01 j
Aroclor 1254	<0.01 j
Aroclor 1260	<0.01 j

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Seep-1 Date Received: 07/24/13 Date Extracted: 07/29/13 Date Analyzed: 07/30/13 Matrix: Water Units: ug/L (ppb)

Client: Project: Lab ID: SLR International Corp.

Crowley RIFS 101.00205.00030

Upper

Limit:

125

125

125

Data File: Instrument: ICPMS1 Operator:

Lower

Limit:

60

60

60

307358-01 307358-01.033

AP

Internal Standard:	% Recovery:
Germanium	51 vo
Indium	50 vo
Holmium	45 vo

Concentration

Analyte: ug/L (ppb)

Silver <0.0640 J Cadmium <0.250 J Thallium <0.0740 J Lead 0.153 J

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Seep-1
Date Received: 07/24/13
Date Extracted: 07/29/13
Date Analyzed: 07/30/13
Matrix: Water
Units: ug/L (ppb)

Client: Project: Lab ID: SLR International Corp.

Crowley RIFS 101.00205.00030 307358-01 x10

Data File: 307358-01 x10 307358-01 x10.039

Instrument: Operator:

ICPMS1 AP

	Lower	Upper
% Recovery:	Limit:	Limit:
81	60	125
80	60	125
80	60	125
	81 80	% Recovery: Limit: 81 60 80 60

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	2.27
Nickel	6.86
Copper	45.4
Zinc	15.4
Arsenic	36.1
Selenium	132
Silver	< 0.640
Cadmium	< 2.50
Antimony	0.790
Barium	39.4
Thallium	< 0.740
Lead	<1.44

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Seep-2
Date Received: 07/24/13
Date Extracted: 07/29/13
Date Analyzed: 07/30/13
Matrix: Water
Units: ug/L (ppb)

Analyte:

Client:
Project:
Lab ID:
Data File:
Instrument:

Operator:

SLR International Corp. Crowley RIFS 101.00205.00030

307358-02 307358-02.034 ICPMS1 AP

Lower Upper Internal Standard: % Recovery: Limit: Limit: Germanium 53 vo 60 125 Indium 51 vo 60 125 Holmium 45 vo 60 125

Concentration ug/L (ppb)

 Silver
 <0.0640 J</td>

 Cadmium
 <0.250 J</td>

 Thallium
 <0.0740 J</td>

 Lead
 <0.144 J</td>

200

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Seep-2
Date Received: 07/24/13
Date Extracted: 07/29/13
Date Analyzed: 07/30/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley RIFS 101.00205.00030
Lab ID: 307358-02 x10
Data File: 307358-02 x10.040
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	80	60	125
Indium	78	60	125
Holmium	78	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	2.53
Nickel	7.24
Copper	50.9
Zinc	12.3
Arsenic	38.5
Selenium	143
Silver	< 0.640
Cadmium	< 2.50
Antimony	<0.520 j
Barium	26.5
Thallium	< 0.740
Lead	<1.44

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Seep-3
Date Received: 07/24/13
Date Extracted: 07/29/13
Date Analyzed: 07/30/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley RIFS 101.00205.00030
Lab ID: 307358-03
Data File: 307358-03.035
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	54 vo	60	125
Indium	51 vo	60	125
Holmium	45 vo	60	125

Concentration ug/L (ppb)

Silver <0.0640 J
Cadmium <0.250 J
Thallium <0.0740 J
Lead <0.144 J

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client: SLR International Corp.
Project: Crowley RIFS 101.00205.00030
Lab ID: 307358-03 x10
Data File: 307358-03 x10.041
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	69	60	125
Indium	67	60	125
Holmium	68	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	3.96
Nickel	9.72
Copper	57.7
Zinc	39.6
Arsenic	45.2
Selenium	157
Silver	< 0.640
Cadmium	< 2.50
Antimony	3.10
Barium	89.7
Thallium	< 0.740
Lead	<1.44

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	97	60	125
Indium	99	60	125
Holmium	98	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.0980
Chromium	< 0.138
Nickel	< 0.460
Copper	< 0.340
Zinc	< 0.600
Arsenic	< 0.150
Selenium	< 0.560
Silver	< 0.0640
Cadmium	< 0.250
Antimony	<0.0520 j
Barium	< 0.260
Thallium	< 0.0740
Lead	< 0.144

ENVIRONMENTAL CHEMISTS

Date of Report: 08/13/13 Date Received: 07/24/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307358

Date Extracted: 07/30/13 Date Analyzed: 07/31/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	<u>Total Mercury</u>
Seep-1 307358-01	0.0025
Seep-2 307358-02	< 0.0015
Seep-3 307358-03	0.0026
Method Blank	< 0.0015

ENVIRONMENTAL CHEMISTS

Date of Report: 08/13/13 Date Received: 07/24/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307358

Date Extracted: NA Date Analyzed: 07/30/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL SUSPENDED SOLIDS BY METHOD 2540D

Results Reported as mg/L (ppm)

Sample ID Laboratory ID	Total Suspended <u>Solids</u>
Seep-1 307358-01	<10
Seep-2 307358-02	<10
Seep-3 307358-03	<10
Method Blank	<10

ENVIRONMENTAL CHEMISTS

Date of Report: 08/13/13 Date Received: 07/24/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307358

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 307333-01 (Duplicate)

	Reporting		Duplicate	RPD
Analyte	Units	Sample Result	Result	(Limit 20)
Gasoline	ug/L (ppb)	<12	<12	nm

Laboratory Code: Laboratory Control Sample

		Percent			
	Reporting	orting Spike Recovery		Acceptance	
Analyte	Units	Level	LCS	Criteria	_
Gasoline	ug/L (ppb)	1,000	101	69-134	_

ENVIRONMENTAL CHEMISTS

Date of Report: 08/13/13 Date Received: 07/24/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307358

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample Silica Gel

•	•	_	Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Diesel Extended	ug/L (ppb)	2,500	60	83	58-134	32 vo

ENVIRONMENTAL CHEMISTS

Date of Report: 08/13/13 Date Received: 07/24/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307358

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 307333-01 (Matrix Spike)

				Percent	
	Reporting	Spike	Sample	Recovery	Acceptance
Analyte	Units	Level	Result	MS	Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	< 0.16	123	55-144
Chloromethane	ug/L (ppb)	50 50	<0.22 0.15	104 104	67-131 61-139
Vinyl chloride Bromomethane	ug/L (ppb) ug/L (ppb)	50 50	<0.2	104 1039 vo	66-129
Chloroethane	ug/L (ppb)	50	< 0.18	168 vo	68-126
Trichlorofluoromethane	ug/L (ppb)	50	< 0.17	133 vo	71-128
Acetone	ug/L (ppb)	250	<2.6	97	48-149
1,1-Dichloroethene Methylene chloride	ug/L (ppb) ug/L (ppb)	50 50	<0.19 <3	108 99	71-123 61-126
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50 50	<0.13	103	68-125
trans-1,2-Dichloroethene	ug/L (ppb)	50	< 0.24	101	72-122
1,1-Dichloroethane	ug/L (ppb)	50	< 0.18	102	79-113
2,2-Dichloropropane	ug/L (ppb)	50 50	<0.3 <0.24	107	58-132
cis-1,2-Dichloroethene Chloroform	ug/L (ppb) ug/L (ppb)	50 50	<0.24	100 93	73-119 80-112
2-Butanone (MEK)	ug/L (ppb)	250	< 0.94	99	69-123
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	< 0.11	97	78-113
1,1,1-Trichloroethane	ug/L (ppb)	50	<0.2	108	79-116
1,1-Dichloropropene Carbon tetrachloride	ug/L (ppb)	50 50	<0.26 <0.24	95 113	67-121 72-123
Benzene	ug/L (ppb) ug/L (ppb)	50 50	<0.13	95	79-109
Trichloroethene	ug/L (ppb)	50	< 0.17	96	75-109
1,2-Dichloropropane	ug/L (ppb)	50	< 0.32	101	80-111
Bromodichloromethane	ug/L (ppb)	50	<0.38	113	78-117
Dibromomethane 4-Methyl-2-pentanone	ug/L (ppb) ug/L (ppb)	50 250	<0.28 <1.3	104 124 vo	80-112 79-123
cis-1,3-Dichloropropene	ug/L (ppb)	50	<0.2	113	76-120
Toluene	ug/L (ppb)	50	< 0.13	93	73-117
trans-1,3-Dichloropropene	ug/L (ppb)	50	< 0.34	112	75-122
1,1,2-Trichloroethane	ug/L (ppb)	50 250	<0.28	102 119	81-111
2-Hexanone 1,3-Dichloropropane	ug/L (ppb) ug/L (ppb)	230 50	<1 <0.2	98	75-126 81-111
Tetrachloroethene	ug/L (ppb)	50	< 0.28	94	72-113
Dibromochloromethane	ug/L (ppb)	50	< 0.24	116	69-129
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	< 0.24	108	83-114
Chlorobenzene Ethylbenzene	ug/L (ppb) ug/L (ppb)	50 50	<0.1 <0.16	95 96	75-115 71-120
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	<0.10	104	78-122
m.p-Xylene	ug/L (ppb)	100	< 0.5	96	63-128
o-Xylene	ug/L (ppb)	50	< 0.22	97	64-129
Styrene	ug/L (ppb)	50 50	<0.22	99 97	70-122
Isopropylbenzene Bromoform	ug/L (ppb) ug/L (ppb)	50 50	<0.15 <0.22	97 125	76-118 49-138
n-Propylbenzene	ug/L (ppb)	50	< 0.14	99	74-117
Bromobenzene	ug/L (ppb)	50	< 0.18	99	70-121
1,3,5-Trimethylbenzene	ug/L (ppb)	50	< 0.18	98	81-112
1,1,2,2-Tetrachloroethane 1,2,3-Trichloropropane	ug/L (ppb) ug/L (ppb)	50 50	<0.24 <0.28	109 101	79-120 72-119
2-Chlorotoluene	ug/L (ppb)	50	<0.13	98	77-114
4-Chlorotoluene	ug/L (ppb)	50	< 0.16	97	81-109
tert-Butylbenzene	ug/L (ppb)	50	< 0.15	100	81-116
1,2,4-Trimethylbenzene	ug/L (ppb)	50 50	<0.11 <0.12	98 97	74-118
sec-Butylbenzene p-Isopropyltoluene	ug/L (ppb) ug/L (ppb)	50 50	< 0.12	97	77-118 64-132
1,3-Dichlorobenzene	ug/L (ppb)	50	< 0.15	95	81-111
1,4-Dichlorobenzene	ug/L (ppb)	50	< 0.094	92	78-110
1,2-Dichlorobenzene	ug/L (ppb)	50 50	<0.13	98	81-111
1,2-Dibromo-3-chloropropane 1,2.4-Trichlorobenzene	ug/L (ppb) ug/L (ppb)	50 50	<0.44 <0.34	118 91	69-129 74-115
Hexachlorobutadiene	ug/L (ppb) ug/L (ppb)	50 50	< 0.46	83	67-120
Naphthalene	ug/L (ppb)	50	< 0.28	106	63-136
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<0.38	92	79-115

ENVIRONMENTAL CHEMISTS

Date of Report: 08/13/13 Date Received: 07/24/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307358

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

			Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	110	111	54-149	1
Chloromethane	ug/L (ppb)	50 50	99	101	67-133	2
Vinyl chloride	ug/L (ppb)	50	95	96	73-132	1
Bromomethane	ug/L (ppb)	50	881 vo	933 vo	69-123	6
Chloroethane	ug/L (ppb)	50	156 vo	156 vo	68-126	0
Trichlorofluoromethane	ug/L (ppb)	50	123	125	70-132	2
Acetone	ug/L (ppb)	250	96	92	44-145	4
1,1-Dichloroethene	ug/L (ppb)	50	105	106	75-119	1
Methylene chloride Methyl t-butyl ether (MTBE)	ug/L (ppb) ug/L (ppb)	50 50	96 100	99 101	63-132 70-122	3
trans-1,2-Dichloroethene	ug/L (ppb) ug/L (ppb)	50 50	98	98	76-122 76-118	1
1,1-Dichloroethane	ug/L (ppb)	50 50	99	100	80-116	1
2,2-Dichloropropane	ug/L (ppb)	50	104	109	62-141	5
cis-1,2-Dichloroethene	ug/L (ppb)	50	98	99	81-111	1
Chloroform	ug/L (ppb)	50	91	92	81-109	1
2-Butanone (MEK)	ug/L (ppb)	250	100	95	53-140	5
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	94	94	79-109	0
1,1,1-Trichloroethane	ug/L (ppb)	50	104	106	80-116	2
1,1-Dichloropropene Carbon tetrachloride	ug/L (ppb) ug/L (ppb)	50 50	95 107	96 11 1	78-112 72-128	1 4
Benzene	ug/L (ppb)	50 50	93	94	81-108	1
Trichloroethene	ug/L (ppb)	50	97	97	77-108	Ô
1,2-Dichloropropane	ug/L (ppb)	50	98	100	82-109	2
Bromodichloromethane	ug/L (ppb)	50	108	108	76-120	0
Dibromomethane	ug/L (ppb)	50	100	100	80-110	0
4-Methyl-2-pentanone	ug/L (ppb)	250	108	106	59-142	2
cis-1,3-Dichloropropene	ug/L (ppb)	50	111	111	76-128	0
Toluene trans-1,3-Dichloropropene	ug/L (ppb)	50 50	94 112	95 112	83-108 76-128	1 0
1.1.2-Trichloroethane	ug/L (ppb) ug/L (ppb)	50 50	99	100	82-110	1
2-Hexanone	ug/L (ppb)	250	102	101	53-145	1
1,3-Dichloropropane	ug/L (ppb)	50	96	96	83-110	Ö
Tetrachloroethene	ug/L (ppb)	50	94	95	78-109	1
Dibromochloromethane	ug/L (ppb)	50	112	114	63-140	2
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	105	104	85-113	1 0
Chlorobenzene Ethylbenzene	ug/L (ppb) ug/L (ppb)	50 50	94 95	94 97	84-108 84-110	2
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	104	107	76-125	3
m,p-Xylene	ug/L (ppb)	100	96	96	84-112	Ö
o-Xylene	ug/L (ppb)	50	97	98	82-113	1
Styrene	ug/L (ppb)	50	98	99	84-116	1
Isopropylbenzene	ug/L (ppb)	50	97	100	81-122	3
Bromoform	ug/L (ppb)	50 50	118 100	120	40-161	2 2
n-Propylbenzene Bromobenzene	ug/L (ppb) ug/L (ppb)	50 50	97	98 96	81-115 80-113	1
1,3,5-Trimethylbenzene	ug/L (ppb)	50 50	100	99	83-117	1
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	105	103	79-118	2
1,2,3-Trichloropropane	ug/L (ppb)	50	97	97	74-116	0
2-Chlorotoluene	ug/L (ppb)	50	98	97	79-112	1
4-Chlorotoluene	ug/L (ppb)	50	97	97	81-113	0
tert-Butylbenzene 1,2,4-Trimethylbenzene	ug/L (ppb)	50 50	103 100	103 99	81-119 83-116	0 1
sec-Butylbenzene	ug/L (ppb) ug/L (ppb)	50 50	99	99	83-116	0
p-Isopropyltoluene	ug/L (ppb)	50 50	100	100	82-119	0
1,3-Dichlorobenzene	ug/L (ppb)	50	96	95	83-111	1
1,4-Dichlorobenzene	ug/L (ppb)	50	93	92	82-109	î
1,2-Dichlorobenzene	ug/L (ppb)	50	99	99	83-111	0
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	117	116	62-133	1
1,2,4-Trichlorobenzene	ug/L (ppb)	50	98	95	77-117	3
Hexachlorobutadiene	ug/L (ppb)	50 50	88 105	88 104	74-118	0 1
Naphthalene 1.2.3-Trichlorobenzene	ug/L (ppb) ug/L (ppb)	50 50	98	104 96	75-131 82-115	2
A,m,o ARICHIOLOGOLIZOIIC	սելու (hho)	30	Jo	50	04-113	<u>~</u>

ENVIRONMENTAL CHEMISTS

Date of Report: 08/13/13 Date Received: 07/24/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307358

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270D

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Phenol	ug/L (ppb)	10	40	41	18-52	2
Bis(2-chloroethyl) ether	ug/L (ppb)	10	88	93	52-113	6
2-Chlorophenol	ug/L (ppb)	10	80	83	50-110	4
1,3-Dichlorobenzene	ug/L (ppb)	10	79	76	45-109	4
1,4-Dichlorobenzene	ug/L (ppb)	10	80	77	44-118	4
1,2-Dichlorobenzene	ug/L (ppb)	10	81	78	46-116	4
Benzyl alcohol	ug/L (ppb)	10	72	80	42-100	11
Bis(2-chloroisopropyl) ether	ug/L (ppb)	10	96	98	51-124	2
2-Methylphenol	ug/L (ppb)	10	73	67	38-100	9
Hexachloroethane	ug/L (ppb)	10	79	74	42-117	7
N-Nitroso-di-n-propylamine	ug/L (ppb)	10	84	93	48-124	10
3-Methylphenol + 4-Methylphenol	ug/L (ppb)	10	67	65	48-87	3
Nitrobenzene	ug/L (ppb)	10	88	94	50-118	7
Isophorone	ug/L (ppb)	10	90	96	55-116	6
2-Nitrophenol	ug/L (ppb)	10	87	95	42-127	9
2,4-Dimethylphenol	ug/L (ppb)	10	75	37 vo	45-100	68 vo
Benzoic acid	ug/L (ppb)	65	24	31	10-46	25 vo
Bis(2-chloroethoxy)methane	ug/L (ppb)	10	87	92	55-115	6
2,4-Dichlorophenol	ug/L (ppb)	10	88	92	55-113	4
1,2,4-Trichlorobenzene	ug/L (ppb)	10	82	77	50-109	6
Hexachlorobutadiene	ug/L (ppb)	10	85	77	50-109	10
4-Chloroaniline	ug/L (ppb)	20	78	80	30-109	3
4-Chloro-3-methylphenol	ug/L (ppb)	10	90	93	54-114	3
2-Methylnaphthalene	ug/L (ppb)	10	86	86	53-113	0
Hexachlorocyclopentadiene	ug/L (ppb)	10	69	61	26-94	12
2,4,6-Trichlorophenol	ug/L (ppb)	10	89	94	46-114	5
2,4,5-Trichlorophenol	ug/L (ppb)	10	91	96	57-122	5
2-Chloronaphthalene	ug/L (ppb)	10	84	87	52-112	4
2-Nitroaniline	ug/L (ppb)	10	93	104	47-128	11
Dimethyl phthalate	ug/L (ppb)	10	90	98	55-116	9
2,6-Dinitrotoluene	ug/L (ppb)	10	91	101	49-126	10
3-Nitroaniline	ug/L (ppb)	20	86	95	21-125	10
2,4-Dinitrophenol	ug/L (ppb)	10	89	102	29-130	14
Dibenzofuran	ug/L (ppb)	10	85	91	53-113	7
2,4-Dinitrotoluene	ug/L (ppb)	10	95	105	48-129	10
4-Nitrophenol	ug/L (ppb)	10	41	42	12-59	2
Diethyl phthalate	ug/L (ppb)	10	88	94	55-116	7
4-Chlorophenyl phenyl ether	ug/L (ppb)	10	88	93	52-115	6
N-Nitrosodiphenylamine	ug/L (ppb)	10	87	91	51-112	4
4-Nitroaniline	ug/L (ppb)	20	92	99	42-115	7
4,6-Dinitro-2-methylphenol	ug/L (ppb)	10	94	105	40-128	11
4-Bromophenyl phenyl ether	ug/L (ppb)	10	88	95	53-114	8
Hexachlorobenzene	ug/L (ppb)	10	85	93	54-115	9
Pentachlorophenol	ug/L (ppb)	10	110	114	49-114	4
Carbazole	ug/L (ppb)	10	88	94	49-114 54-115	7
Di-n-butyl phthalate	ug/L (ppb)	10	96	98	54-115 54-115	2
Benzyl butyl phthalate	ug/L (ppb)	10	100	102	54-115 53-122	2
Bis(2-ethylhexyl) phthalate	ug/L (ppb)	10	95	97	53-122 54-122	2
Di-n-octyl phthalate	ug/L (ppb)	10	96	88	54-122 50-131	9

ENVIRONMENTAL CHEMISTS

Date of Report: 08/13/13 Date Received: 07/24/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307358

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR PNA'S BY EPA METHOD 8270D SIM

			Percent	Percent		
	Reporting	Spike	Recovery LCS	Recovery	Acceptance	RPD
Analyte	Units	Level		LCSD	Criteria	(Limit 20)
Naphthalene	ug/L (ppb)	1	80	84	67-116	5
Acenaphthylene	ug/L (ppb)	1	87	89	65-119	2
Acenaphthene	ug/L (ppb)	1	83	86	66-118	4
Fluorene	ug/L (ppb)	1	89	91	64-125	2
Phenanthrene	ug/L (ppb)	1	86	89	67-120	3
Anthracene	ug/L (ppb)	1	84	83	65-122	1
Fluoranthene	ug/L (ppb)	1	92	93	65-127	1
Pyrene	ug/L (ppb)	1	89	90	62-130	1
Benz(a)anthracene	ug/L (ppb)	1	82	84	60-118	2
Chrysene	ug/L (ppb)	1	87	90	66-125	3
Benzo(b)fluoranthene	ug/L (ppb)	1	80	81	55-135	1
Benzo(k)fluoranthene	ug/L (ppb)	1	79	85	62-125	7
Benzo(a)pyrene	ug/L (ppb)	1	73	73	58-127	0
Indeno(1,2,3-cd)pyrene	ug/L (ppb)	1	75	71	36-142	5
Dibenz(a,h)anthracene	ug/L (ppb)	1	73	64	37-133	13
Benzo(g,h,i)perylene	ug/L (ppb)	1	73	66	34-135	10

ENVIRONMENTAL CHEMISTS

Date of Report: 08/13/13 Date Received: 07/24/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307358

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

	Reporting	Spike	% Recovery	% Recovery	Acceptance	RPD
_Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Aroclor 1016	ug/L (ppb)	0.625	80	95	70-130	17
Aroclor 1260	ug/L (ppb)	0.625	86	94	70-130	9

ENVIRONMENTAL CHEMISTS

Date of Report: 08/13/13 Date Received: 07/24/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307358

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 307309-02 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Beryllium	ug/L (ppb)	5	< 0.0980	102	98	67-145	4
Chromium	ug/L (ppb)	20	0.165	92	90	64-132	2
Nickel	ug/L (ppb)	20	2.58	85	83	61-128	2
Copper	ug/L (ppb)	20	0.399	82	81	63-124	1
Zinc	ug/L (ppb)	50	0.773	82	80	55-141	2
Arsenic	ug/L (ppb)	10	3.17	100 b	97 b	60-150	3 b
Selenium	ug/L (ppb)	5	< 0.560	103	101	43-178	2
Silver	ug/L (ppb)	5	< 0.0640	92	89	71-115	3
Cadmium	ug/L (ppb)	5	< 0.250	96	93	83-116	3
Antimony	ug/L (ppb)	20	0.408	93	92	62-125	1
Barium	ug/L (ppb)	50	84.8	103 b	90 b	79-126	13 b
Thallium	ug/L (ppb)	5	< 0.0740	90	90	73-119	0
Lead	ug/L (ppb)	10	0.245	90	90	79-121	0

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Beryllium	ug/L (ppb)	5	93	73-135
Chromium	ug/L (ppb)	20	90	80-119
Nickel	ug/L (ppb)	20	90	79-122
Copper	ug/L (ppb)	20	91	81-119
Zinc	ug/L (ppb)	50	89	76-124
Arsenic	ug/L (ppb)	10	83	80-111
Selenium	ug/L (ppb)	5	92	81-119
Silver	ug/L (ppb)	5	90	80-116
Cadmium	ug/L (ppb)	5	90	83-113
Antimony	ug/L (ppb)	20	85	79-108
Barium	ug/L (ppb)	50	91	83-117
Thallium	ug/L (ppb)	5	85	78-116
Lead	ug/L (ppb)	10	87	83-115

ENVIRONMENTAL CHEMISTS

Date of Report: 08/13/13 Date Received: 07/24/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307358

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Laboratory Code: 307358-01 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
_Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Mercury	ug/L (ppb)	0.010	0.0025	105	105	63-132	0

		Percent				
	Reporting	Spike	Recovery	Acceptance		
Analyte	Units	Level	LCS	Criteria		
Mercury	ug/L (ppb)	0.010	106	78-118		

ENVIRONMENTAL CHEMISTS

Date of Report: 08/13/13 Date Received: 07/24/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307358

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL SUSPENDED SOLIDS BY METHOD 2540D

Laboratory Code: 307358-01 (Duplicate)

				Relative	
	Reporting	Sample	Duplicate	Percent	Acceptance
Analyte	Units	Result	Result	Difference	Criteria
TSS	mg/L	<10	<10	nm	0-20

			Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
_Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
TSS	mg/L	50	96	99	61-131	3

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 More than one compound of similar molecule structure was identified with equal probability.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte indicated may be due to carryover from previous sample injections.
- d The sample was diluted. Detection limits may be raised due to dilution.
- ds The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb Analyte present in the blank and the sample.
- fc The compound is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht Analysis performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j The result is below normal reporting limits. The value reported is an estimate.
- J The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- Ic The presence of the compound indicated is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- $\,$ nm The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



August 5, 2013

Michele Costales Poquiz Friedman & Bruya 3012 16th Ave W Seattle, WA 98119

RE: Project: 307358 ARI Job No.: WY66

Dear Michele:

Please find enclosed the Chain-of-Custody record (COC), sample receipt documentation, and the final data for the samples from the project referenced above. Analytical Resources, Inc. (ARI) accepted three water samples on July 25, 2013, under ARI job WY66. For further details regarding sample receipt, please refer to the enclosed Cooler Receipt Form.

The samples were analyzed for chloride and TOC, as requested on the COC.

There were no anomalies associated with the analyses of these samples.

An electronic copy of this report and all associated raw data will be kept on file at ARI. Should you have any questions or concerns, please feel free to call me at your convenience.

Respectfully,

ANALYTICAL RESOURCES, INC.

Cheronne Oreiro Project Manager (206) 695-6214 cheronneo@arilabs.com

www.arilabs.com

cc: eFile WY66

Enclosures

dalyw

SAMPLE CHAIN OF CUSTODY

			_
	SUBCONTRACTOR		Page # of
Send Report To_Michele Costales Poquiz	Analytical Resources, Inc. (ARI)		TURNAROUND TIME
	PROJECT NAME/NO.	PO#	XStandard Turnaround
Companytriedman & Bruya, Inc	307358	C-483	Rush charges authorized by:
Address 3012 16th Ave. W.		ı	
	REMARKS		SAMPLE DISPOSAL
City, State, ZIP Seattle, WA 98119			$ $ \Box Dispose after 30 days
	Please e-mail results		Return samples
Phone #_(206) 285-8282 Fax #_(206) 283-5044			☐ Will call with instructions
	ELECTRONIC DATA REQUESTED (EIM)		Samples Received at°C
Email Address mpoquiz@friedmanandbruya.com			
	ANALY	ANALYSES REGITESTED	

Notes										
J-0+										
Chloride by	X	×	メ							
TDS by 2540C										
Total Organic M060e yd nodrad	X	X	×							
Hexavalent Cr by 7196A										
STH			 			ļ				
SVOCs by 8270										
		_				<u> </u>				
# of containers	8)							
Sample Type	vater		→							
Time Sampled	0801	5001	0501				-			
Date Sampled	1124/13		<u>،</u>							
Lab ID										
Sample ID	eep - 1	eep-2	cep-3							
	Lab ID Date Time # of # of TPH-Gasoline BTEX by 8021B VOCs by 8260 Sampled Sample Type containers Hexavalent Cr by 7196A Total Organic Carbon by 9060M Total Organic Carbon by 5040C	nple ID Lab ID Date Time Sampled Sample Type TOCs by 8260 TOPH-Gasoline TOCs by 8260 SAOCs by 8260 TOPH-Gasoline TOPH-TOPH-Diesel TOPH-Diesel TOPH-Diesel TOPH-TOPH-Diesel TOPH-Diesel TOPH-TOPH-Diesel TOPH-Diesel TOPH-Diesel TOPH-TOPH-Diesel TOPH-Diesel TOPH-Diesel TOPH-TOPH-Diesel TOPH-TOPH-TOPH-Diesel TOPH-TOPH-TOPH-TOPH-TOPH-TOPH-TOPH-TOPH-	Containers	Date Time Sample Type # of # of	Lab ID Lab ID Lab ID Lab ID Date Time Sampled Sample Type # of #	Lab ID Date Time Sample Type containers ampled Sampled Type Containers Sampled Type Sampled Type Containers Sampled Type Containers Sampled Type Sample	Date Sampled Sample Time Sampled Sample Type S	Date Time Sample Type Sample Type	Date	Date Time Sample Type Containers Sample Type Sample

Friedman & Bruya, Inc.	SIGNATURE	PRINT NAME	COMPANY	DATE TIME	63
3012 16th Avenue West	Relinquished by party Prair	Midnelle Costales Poquiz	F\$(8)	1/25/13 8:22.AM	₩-£
Seattle, WA 98119-2029	Meceived by:	A Volontolsen	\$	7/11 SIR	
Ph. (206) 285-8282	Relinquished by:			-	
Fax (206) 283-5044	Received by:				
FORMS\COC\COC SLRC,DOC					



Cooler Receipt Form

ARI Client: Trudman + Bruya	Project Name:	· · · · · · · · · · · · · · · · · · ·		
COC No(s): (NA)	Delivered by: Fed-Ex UP Couri	er Hand Deliv	vered Other	Postai
Assigned ARI Job No: WYLOV	Tracking No: 4538			NA NA
Preliminary Examination Phase:				NA
Were intact, properly signed and dated custody seals attached to	o the outside of to cooler?		YES	(NO)
Were custody papers included with the cooler?		,	YES	NO
Were custody papers properly filled out (ink, signed, etc.)		>	YES	NO
Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for che	mistry) 56	ح	<i></i>	
If cooler temperature is out of compliance fill out form 00070F		Temp Gun II	0#: 9087	2052
Cooler Accepted by:	Date: 7/25/13Time:	1.100		
	and attach all shipping documents		-	
Log-In Phase:	1, 0			
Man a temporatura blook included in the gooley?			\	
Was a temperature blank included in the cooler?	p Wet Ice Gel Packs Baggies Foam B	Nock Pages	YES	(NO)
Was sufficient ice used (if appropriate)?		NA	. ()	
Were all bottles sealed in individual plastic bags?		, in	YES	NO (Via)
Did all bottles arrive in good condition (unbroken)?			VE's	(NO)
Were all bottle labels complete and legible?				NO
Did the number of containers listed on COC match with the num	•		(ES	NO
Did all bottle labels and tags agree with custody papers?	,			NO
Were all bottles used correct for the requested analyses?			YES	NO
Do any of the analyses (bottles) require preservation? (attach pr		NA.		NO
Were all VOC vials free of air bubbles?		(NA)	VES	NO
Was sufficient amount of sample sent in each bottle?		(NA)	YEŞ	NO
Date VOC Trip Blank was made at ARI		(MA)	(E)S	NO
Was Sample Split by ARI: NA YES Date/Time:		(NA)	Split by:	
vas cample opin by ANT.			Split by:	
Samples Logged by:Date	e: <u>7</u> 25 3Time:	Ш		
** Notify Project Manage	er of discrepancies or concerns **			

Sample ID on Bottle Sample ID on COC	Sample ID on Bottle	Samp	le ID on CO	-
			,	
	·			
Additional Notes, Discrepancies, & Resolutions:	•			***************************************
Pur Control				
By: Date: Small Air Bubbles Peabubbles LARGE Air Bubbles	Small → "sm"			
-2mm 2-4 mm > 4 mm	Peabubbles → "pb"			
***	Large → "lg"			
Research Control of Co	Headspace → "hs"			

0016F 3/2/10 Cooler Receipt Form

Revision 014

PRESERVATION VERIFICATION 07/25/13

1 of 1 Page

Inquiry Number: NONE Analysis Requested: 07/25/13 Contact: Poquiz, Michele Client: Friedman and Bruya, Inc

Logged by: AV Sample Set Used: Yes-481 Validatable Package: No

Deliverables:

ANALYTICAL (F)
RESOURCES
INCORPORATED

ARI Job No: WY66

VTSR: 07/25/13 PC: Cheronne

Project #: 307358 Project:

Sample Site: SDG No:

Analytical Protocol: In-house

LOGNUM ARI ID	CLIENT ID	CN >12	WAD >12	NH3 <2	COD <2	FOG MET PHEN <2 <2	MET P	Щ	ж 42	rkn n	TKN NO23 TOC <2 <2 <2		S2 TP >9	HD Fe2	+ DM	TPHD Fe2+ DMET DOC <2 <2 FLT FLT	ADJUSTED LOT AMOUNT PARAMETER TO NUMBER ADDED	ADJUSTED TO	LOT NUMBER	AMOUNT ADDED	DATE/BY
13-15590 WY66A	SEEP-1										\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	50		- · · · -		_					
13-15591 WY66B	SEEP-2										· <u>Q</u>	SS)									
13-15592 WX66C	SEEP-3										. 8	55									
											-										

Sample ID Cross Reference Report



ARI Job No: WY66

Client: Friedman and Bruya, Inc

Project Event: 307358
Project Name: N/A

	Sample ID	ARI Lab ID	ARI LIMS ID M	M atrix	Sample Date/Time	VTSR
1.	SEEP-1	WY66A	13-15590 W		07/24/13 10:30	07/25/13 11:00
2. 3.	SEEP-2 SEEP-3	WY66B WY66C	13-15591 W 13-15592 W		07/24/13 10:05 07/24/13 10:50	07/25/13 11:00 07/25/13 11:00

Printed 07/25/13 Page 1 of 1

SAMPLE RESULTS-CONVENTIONALS WY66-Friedman and Bruya, Inc



Matrix: Water

Data Release Authorized

Reported: 08/05/13

Project: NA

Event: 307358

Date Sampled: 07/24/13

Date Received: 07/25/13

Client ID: SEEP-1 ARI ID: 13-15590 WY66A

Analyte	Date Batch	Method	Units	RL	Sample
Chloride	08/02/13 080213#1	SM4500-CLE	mg/L	2,000	9,650
Total Organic Carbon	07/25/13 072513#1	EPA 9060M	mg/L	1.50	< 1.50 U

RL Analytical reporting limit

U Undetected at reported detection limit

Water Sample Report-WY66

WYDO: EEFE

SAMPLE RESULTS-CONVENTIONALS WY66-Friedman and Bruya, Inc



Matrix: Water

Data Release Authorized Reported: 08/05/13

Project: NA

Event: 307358

Date Sampled: 07/24/13 Date Received: 07/25/13

Client ID: SEEP-2 ARI ID: 13-15591 WY66B

Analyte	Date Batch	Method	Units	RL	Sample
Chloride	08/02/13 080213#1	SM4500-CLE	mg/L	2,000	9,710
Total Organic Carbon	07/25/13 072513#1	EPA 9060M	mg/L	1.50	< 1.50 U

RLAnalytical reporting limit

U Undetected at reported detection limit

Water Sample Report-WY66

SAMPLE RESULTS-CONVENTIONALS WY66-Friedman and Bruya, Inc



Matrix: Water

Data Release Authorized: Reported: 08/05/13

Project: NA

Event: 307358
Date Sampled: 07/24/13 Date Received: 07/25/13

Client ID: SEEP-3 ARI ID: 13-15592 WY66C

Analyte	Date Batch	Method	Units	RL	Sample
Chloride	08/02/13 080213#1	SM4500-CLE	mg/L	2,000	8,100
Total Organic Carbon	07/25/13 072513#1	EPA 9060M	mg/L	1.50	< 1.50 U

Analytical reporting limit RL

U Undetected at reported detection limit

Water Sample Report-WY66

METHOD BLANK RESULTS-CONVENTIONALS WY66-Friedman and Bruya, Inc



Matrix: Water

Data Release Authorized: Reported: 08/05/13

Project: NA Event: 307358 Date Sampled: NA Date Received: NA

Analyte	Method	Date	Units	Blank	ID
Chloride	SM4500-CLE	08/02/13	mg/L	< 1.0 U	FB
Total Organic Carbon	EPA 9060M	07/25/13	mg/L	< 1.50 U	
FB Filtration Blank		•			

STANDARD REFERENCE RESULTS-CONVENTIONALS WY66-Friedman and Bruya, Inc



Matrix: Water
Data Release Authorized
Reported: 08/05/13

Project: NA Event: 307358 Date Sampled: NA Date Received: NA

Analyte/SRM ID	Method	Date	Units	SRM	True Value	Recovery
Chloride ERA #411010	SM4500-CLE	08/02/13	mg/L	4.9	5.0	98.0%
Total Organic Carbon ERA #0408-13-02	EPA 9060M	07/25/13	mg/L	21.6	20.0	108.0%

Water Standard Reference Report-WY66

307358	SAMPLE CHAIN OF CUSTODY		07/24/13 WARE
Send Report To Mike Staton	SAMPLERS (signature) (My Mo. 1	B	TURNAROUND TIME
Commany St R laterational Corn	PROJECT NAME/NO.	#Od	☑Standard (2 Weeks)
	8th Ave Teminals	101,00205.00030	Rush charges authorized by
Address 2 2118 2017 AVR 52, 9 20 2	101.00205.00030	•	The state of the s
City, State, ZIP Bothell, WA 98021	REMARKS	1370	SAMPLE DISPOSAL □ Dispose after 30 days
Phone # 425-402-8800 Fax # 475-402-8488		-	☐ Return samples ■ Will call with instructions

			i,						Al	VALY	ANALYSES REQUESTED	REQU	JEST	ED						
Sample ID	Lab	Date	Time Sampled	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	HEZ ZAOC ² P ³ 8510 P	betwied plines i lotal 8.006 geloed tilotim	Edel Mercury by	Miz dotes	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	40 427	SM4200	8000b		Notes	
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Seep-2	B		1005									-								
Seep-3	1 60		0.20				-													
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Friedman & Bruya, Inc.		NDIS	SIGNATURE		PR	PRINT NAME	NAN	Æ_				ည)MP	COMPANY			DATE	王	TIME	

Friedman & Bruya, Inc. 3012 16th Avenue West Seattle, WA 98119-2029 Fax (206) 283-5044 Ph. (206) 285-8282

17/24/13 5/146/5 FEBI COMPANY SLR Amanda Mengrist PRINT NAME SIGNATURE Received by:

1300

FORMS/COC/COC.DOC

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Kurt Johnson, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

August 12, 2013

Mike Staton SLR International Corp. 22118 20th Ave. SE., G-202 Bothell, WA 98021

Dear Mr. Staton:

Included are the results from the testing of material submitted on July 23, 2013 from the Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307333 project. There are 34 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Crushle Postet Poquiz

Michele Costales Poquiz

Chemist

Enclosures SLR0812R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 23, 2013 by Friedman & Bruya, Inc. from the SLR International Corp. Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307333 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SLR International Corp.

307333-01 Seep-4 307333-02 Seep-5

Total Petroleum Hydrocarbons as Gasoline by Method NWTPH-Gx

All quality control requirements were acceptable.

<u>Total Petroleum Hydrocarbons as Diesel and Motor Oil by Method NWTPH-Dx with Silica Gel</u>

The relative percent difference (RPD) for the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) failed high. The samples were non-detect therefore the results are valid.

Volatile Compounds by EPA Method 8260C

The calibration result for bromomethane fell outside of acceptance criteria. The values reported are estimates.

The presence of 1,4-dichlorobenzene in the method blank is likely due to laboratory contamination. The result has been flagged accordingly.

The percent recovery for the matrix spike (MS), matrix spike duplicate (MSD), LCS, and LCSD failed high for several compounds. The samples were non-detect for these compounds, therefore the results are valid.

Semivolatile Organic Compounds by EPA Method 8270D

The presence of bis(2-ethylhexyl) phthalate in the samples is likely due to laboratory contamination. The results have been flagged accordingly.

The percent recovery for the LCSD and the RPD for the LCS/LCSD exceeded acceptance criteria for 2,4-dimethylphenol and benzoic acid. The results have been flagged accordingly.

<u>Semivolatile Organic Compounds by EPA Method 8270D SIM</u> All quality control requirements were acceptable.

Polychlorinated Biphenyls as Aroclor 1016/1260 by EPA Method 8082A

ENVIRONMENTAL CHEMISTS

All quality control requirements were acceptable.

Total Metals by EPA Method 200.8

The internal standards associated with several analytes exceeded acceptance criteria for the samples Seep-4 and Seep-5. The samples were diluted and reanalyzed. The results from the original analysis and the re-analysis are included.

Total Mercury by EPA Method 1631E

All quality control requirements were acceptable.

Total Dissolved Solids by Method 2540D

All quality control requirements were acceptable.

Total Organic Carbon by EPA Method 9060M

The report generated by Analytical Resources, Inc. is enclosed.

Chloride by Method SM4500

The report generated by Analytical Resources, Inc. is enclosed.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/12/13 Date Received: 07/23/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307333

Date Extracted: 07/24/13 Date Analyzed: 07/24/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Gasoline Range	Surrogate (<u>% Recovery)</u> (Limit 51-134)
Seep-4 307333-01	<12	95
Seep-5 307333-02	<12	98
Method Blank 03-1443 MB	<12	91

ENVIRONMENTAL CHEMISTS

Date of Report: 08/12/13 Date Received: 07/23/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307333

Date Extracted: 07/29/13 Date Analyzed: 07/30/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx Sample Extracts Passed Through a Silica Gel Column Prior to Analysis

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	Motor Oil Range (C ₂₅ -C ₃₆)	Surrogate (% Recovery) (Limit 51-134)
Seep-4 307333-01	<6.9	<52	87
Seep-5 307333-02	<6.9	<52	82
Method Blank 03-1477 MB	<6.9	<52	74

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Seep-4	Client:	SLR International Corp.
Date Received:	07/23/13	Project:	Crowley 101.00205.00030
Date Extracted:	07/24/13	Lab ID:	307333-01
Date Analyzed:	07/24/13	Data File:	072426.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	98	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	0.15	Dibromochloromethane	< 0.24
Bromomethane	<0.2 ca j	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	< 0.44
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Seep-5	Client:	SLR International Corp.
Date Received:	07/23/13	Project:	Crowley 101.00205.00030
Date Extracted:	07/24/13	Lab ID:	307333-02
Date Analyzed:	07/24/13	Data File:	072427.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	100	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	<0.2 ca j	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	<0.094 j
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	< 0.44
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SLR International Corp.
Date Received:	N/A	Project:	Crowley 101.00205.00030
Date Extracted:	07/24/13	Lab ID:	03-1328 mb
Date Analyzed:	07/24/13	Data File:	072425.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS .

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	97	50	150
4-Bromofluorobenzene	98	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	<0.2 ca j	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	0.12 lc
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	< 0.44
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D

Surrogates: % Recovery: Limit: Limit: 2-Fluorophenol 47 32 162 Phenol-d6 34 10 170 Nitrobenzene-d5 104 50 150	Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix:	Seep-4 07/23/13 07/30/13 08/02/13 Water		Client: Project: Lab ID: Data File: Instrument:	SLR International Corp. Crowley 101.00205.00030 307333-01 080214.D GCMS8
Surrogates: % Recovery: Limit: Limit: 2-Fluorophenol 47 32 162 Phenol-d6 34 10 170 Nitrobenzene-d5 104 50 150	Units:	ug/L (ppb)		Operator:	ya
2,4,6-Tribromophenol 91 43 146 Terphenyl-d14 107 39 168	2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromopheno	ol	47 34 104 105 91	Limit: 32 10 50 43 43	Limit: 162 170 150 158 146

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
<u>-</u>		-	
Phenol	<0.14	2,4,6-Trichlorophenol	<0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	<0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	<0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	<0.28 jl	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.51 fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094	v -2	

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D

Client Sample ID:	Seep-5	Client:	SLR International Corp.
Date Received:	07/23/13	Project:	Crowley 101.00205.00030
Date Extracted:	07/30/13	Lab ID:	307333-02
Date Analyzed:	08/02/13	Data File:	080215.D
Matrix:	Water	Instrument:	GCMS8
Units:	ug/L (ppb)	Operator:	ya

	rower	Opper
% Recovery:	Limit:	Limit:
48	32	162
35	10	170
107	50	150
104	43	158
110	43	146
105	39	168
	35 107 104 110	% Recovery: Limit: 48 32 35 10 107 50 104 43 110 43

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Phenol	< 0.14	2,4,6-Trichlorophenol	< 0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	< 0.22
2-Chlorophenol	< 0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	<0.28 jl	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.55 fb
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
Hexachlorocyclopentadiene	< 0.094		

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	Method Blank N/A 07/30/13 08/02/13 Water ug/L (ppb)	· ·	Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. Crowley 101.00205.00030 03-1486 mb 080213.D GCMS8 ya
Surrogates: 2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromopheno Terphenyl-d14	o1	% Recovery: 30 25 89 88 63 95	Lower Limit: 32 10 50 43 43 39	Upper Limit: 162 170 150 158 146 168

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Phenol		-	
_ 1101101	<0.14	2,4,6-Trichlorophenol	<0.28
Bis(2-chloroethyl) ether	< 0.06	2,4,5-Trichlorophenol	<0.22
2-Chlorophenol	<0.16	2-Chloronaphthalene	< 0.044
1,3-Dichlorobenzene	< 0.034	2-Nitroaniline	< 0.086
1,4-Dichlorobenzene	< 0.034	Dimethyl phthalate	< 0.05
1,2-Dichlorobenzene	< 0.024	2,6-Dinitrotoluene	< 0.062
Benzyl alcohol	< 0.4	3-Nitroaniline	< 0.46
Bis(2-chloroisopropyl) ether	< 0.03	2,4-Dinitrophenol	<2.4
2-Methylphenol	< 0.26	Dibenzofuran	< 0.034
Hexachloroethane	< 0.06	2,4-Dinitrotoluene	< 0.056
N-Nitroso-di-n-propylamine	< 0.11	4-Nitrophenol	<1.3
3-Methylphenol + 4-Methylphenol	< 0.42	Diethyl phthalate	< 0.06
Nitrobenzene	< 0.044	4-Chlorophenyl phenyl ether	< 0.072
Isophorone	< 0.03	N-Nitrosodiphenylamine	< 0.05
2-Nitrophenol	< 0.17	4-Nitroaniline	< 0.56
2,4-Dimethylphenol	<0.28 j1	4,6-Dinitro-2-methylphenol	< 0.38
Benzoic acid	<14	4-Bromophenyl phenyl ether	< 0.056
Bis(2-chloroethoxy)methane	< 0.034	Hexachlorobenzene	< 0.05
2,4-Dichlorophenol	< 0.26	Pentachlorophenol	< 0.32
1,2,4-Trichlorobenzene	< 0.05	Carbazole	< 0.048
Hexachlorobutadiene	< 0.07	Di-n-butyl phthalate	< 0.068
4-Chloroaniline	< 0.056	Benzyl butyl phthalate	< 0.086
4-Chloro-3-methylphenol	< 0.24	Bis(2-ethylhexyl) phthalate	0.18 lc
2-Methylnaphthalene	< 0.034	Di-n-octyl phthalate	< 0.044
J 1		J	

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: Seep-4
Date Received: 07/23/13
Date Extracted: 07/30/13
Date Analyzed: 07/31/13
Matrix: Water
Units: ug/L (ppb)

Client: Project: Lab ID: SLR International Corp. Crowley 101.00205.00030

Lab ID: 307333-01
Data File: 073109.D
Instrument: GCMS6
Operator: ya

Surrogates:	% Recovery:
Anthracene-d10	86
Benzo(a)anthracene-d12	100

50	pper mit: 150 129
----	----------------------------

	Concentration
Compounds:	ug/L (ppb)
Naphthalene	0.0051
Acenaphthylene	< 0.0024
Acenaphthene	0.035
Fluorene	< 0.004
Phenanthrene	0.011
Anthracene	< 0.0028
Fluoranthene	0.019
Pyrene	0.021
Benz(a)anthracene	0.0088
Chrysene	0.011
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	0.014
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	0.0078
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	0.0078

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	Seep-5
Date Received:	07/23/13
Date Extracted:	07/30/13
Date Analyzed:	07/31/13
Matrix:	Water
Units:	ug/L (ppb)

Client:
Project:
Lab ID:
D . D.1

SLR International Corp. Crowley 101.00205.00030

Lab ID: 307333-02 Data File: 073110.D Instrument: GCMS6 Operator: ya

Surrogates:	% Recovery:
Anthracene-d10	93
Benzo(a)anthracene-d12	107

Lower	Upper Limit:
Limit:	Limit:
50	150
50	129

	Concentration
_	Concentration
Compounds:	ug/L (ppb)
Naphthalene	0.0056
Acenaphthylene	< 0.0024
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	0.0067
Anthracene	< 0.0028
Fluoranthene	< 0.0046
Pyrene	< 0.0036
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: Method Blank
Date Received: N/A
Date Extracted: 07/30/13
Date Analyzed: 07/31/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 03-1487 mb
Data File: 073108.D
Instrument: GCMS6
Operator: ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	92	50	150
Benzo(a)anthracene-d12	99	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	< 0.004
Acenaphthylene	< 0.0024
Acenaphthene	< 0.0038
Fluorene	< 0.004
Phenanthrene	< 0.0066
Anthracene	< 0.0028
Fluoranthene	< 0.0046
Pyrene	< 0.0036
Benz(a)anthracene	< 0.0042
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0078
Benzo(b)fluoranthene	< 0.0052
Benzo(k)fluoranthene	< 0.0076
Indeno(1,2,3-cd)pyrene	< 0.007
Dibenz(a,h)anthracene	< 0.004
Benzo(g,h,i)perylene	< 0.0044

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082

Client Sample ID: Date Received:	Seep-4 07/23/13	Client: Project:	SLR International Corp. Crowley 101.00205.00030
Date Extracted:	07/29/13	Lab ID:	307333-01 1/0.25
Date Analyzed:	07/30/13	Data File:	14.D\ECD1A.CH
Matrix:	Water	Instrument:	GC7
Units:	ug/L (ppb)	Operator:	mwdl

Surrogates: TCMX	% Recovery: 90	Lower Limit: 50	Upper Limit: 150
Compounds:	Concentration ug/L (ppb)		

 Compounds:
 ug/L (ppb)

 Aroclor 1221
 <0.01 j</td>

 Aroclor 1232
 <0.01 j</td>

 Aroclor 1016
 <0.01 j</td>

 Aroclor 1242
 <0.01 j</td>

 Aroclor 1248
 <0.01 j</td>

 Aroclor 1254
 <0.01 j</td>

 Aroclor 1260
 <0.01 j</td>

ENVIRONMENTAL CHEMISTS

SLR International Corp. Crowley 101.00205.00030 307333-02 1/0.25

16.D\ECD1A.CH

GC7 mwdl

Analysis For PCBs By EPA Method 8082

Client Sample ID:	Seep-5	Client:
Date Received:	07/23/13	Project:
Date Extracted:	07/29/13	Lab ID:
Date Analyzed:	07/30/13	Data File:
Matrix:	Water	Instrument:
Units:	ug/L (ppb)	Operator:

Surrogates:	% Recovery:	Lower	Upper
TCMX		Limit:	Limit:
TCMX	88	50	150

Compounds:	Concentration ug/L (ppb)
Aroclor 1221	<0.01 j
Aroclor 1232	<0.01 j
Aroclor 1016	<0.01 j
Aroclor 1242	<0.01 j
Aroclor 1248	<0.01 j
Aroclor 1254	<0.01 j
Aroclor 1260	<0.01 j

ENVIRONMENTAL CHEMISTS

Client:

Lower

Limit:

50

Analysis For PCBs By EPA Method 8082

Client Sample ID: Method Blank
Date Received: N/A
Date Extracted: 07/29/13
Date Analyzed: 07/30/13
Matrix: Water
Units: ug/L (ppb)

Project: Crowley 101.00205.00030
Lab ID: 03-1480 mb 1/0.25
Data File: 073012.D\ECD1A.CH
Instrument: GC7
Operator: mwdl

SLR International Corp.

Upper

Limit:

150

Surrogates: % Recovery: 84

Concentration ug/L (ppb)

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Cincs. dg/L (ppb)	Client ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	Seep-4 07/23/13 07/24/13 08/01/13 Water ug/L (ppb)
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u 200.0	
Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	307333-01
Data File:	307333-01.051
Instrument:	ICPMS1
Operator:	AP
Lower	Upper

Limit:

125

125

Internal Standard: Germanium Indium Holmium	% Recovery: 47 vo 46 vo 45 vo	Lower Limit: 60 60 60
Analyte:	Concentration ug/L (ppb)	

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Seep-4	Client:	SLR International Corp.
Date Received:	07/23/13	Project:	Crowley 101.00205.00030
Date Extracted:	07/24/13	Lab ID:	307333-01 x10
Date Analyzed:	08/01/13	Data File:	307333-01 x10.054
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	AP
		_	

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	79	60	125
Indium	76	60	125
Holmium	81	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	1.89
Nickel	6.02
Copper	39.8
Zinc	7.39
Arsenic	29.6
Selenium	114
Silver	< 0.640
Cadmium	<2.50
Antimony	< 0.520
Barium	15.0
Thallium	< 0.740
Lead	<1.44

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Seep-5
Date Received: 07/23/13
Date Extracted: 07/24/13
Date Analyzed: 08/01/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: 307333-02
Data File: 307333-02.052
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	47 vo	60	125
Indium	47 vo	60	125
Holmium	47 vo	60	125

Concentration ug/L (ppb)

Silver <0.0640 J
Cadmium <0.250 J
Thallium <0.0740 J
Lead <0.144 J

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client:	SLR International Corp.
Project:	Crowley 101.00205.00030
Lab ID:	307333-02 x10
Data File:	307333-02 x10.055
Instrument:	ICPMS1
Operator:	AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	77	60	125
Indium	75	60	125
Holmium	80	60	125

Analyte:	Concentration ug/L (ppb)
Beryllium	< 0.980
Chromium	2.16
Nickel	5.85
Copper	35.7
Zinc	10.8
Arsenic	28.3
Selenium	106
Silver	< 0.640
Cadmium	< 2.50
Antimony	0.970
Barium	51.9
Thallium	< 0.740
Lead	<1.44

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Method Blank
Date Received: N/A
Date Extracted: 07/24/13
Date Analyzed: 08/01/13
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: Crowley 101.00205.00030
Lab ID: I3-449 mb

Data File: I3-449 mb.040
Instrument: ICPMS1
Operator: AP

		Lower	Upper
Internal Standard:	% Recovery:	Limit:	Limit:
Germanium	90	60	125
Indium	92	60	125
Holmium	94	60	125

Concentration Analyte: ug/L (ppb) Beryllium < 0.0980 Chromium < 0.138 Nickel < 0.460 Copper < 0.340 Zinc < 0.600 Arsenic < 0.150 Selenium < 0.560 Silver < 0.0640 Cadmium < 0.250 Antimony <0.0520 j Barium < 0.260 Thallium < 0.0740 Lead < 0.144

ENVIRONMENTAL CHEMISTS

Date of Report: 08/12/13 Date Received: 07/23/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307333

Date Extracted: 07/24/13 Date Analyzed: 07/25/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	<u>Total Mercury</u>
Seep-4 307333-01	0.0016
Seep-5 307333-02	0.0023
Method Blank	< 0.0015

ENVIRONMENTAL CHEMISTS

Date of Report: 08/12/13 Date Received: 07/23/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307333

Date Extracted: NA Date Analyzed: 07/30/13

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL SUSPENDED SOLIDS BY METHOD 2540D

Results Reported as mg/L (ppm)

Sample ID Laboratory ID	Total Suspended <u>Solids</u>
Seep-4 307333-01	<10
Seep-5 307333-02	<10
Method Blank	<10

ENVIRONMENTAL CHEMISTS

Date of Report: 08/12/13 Date Received: 07/23/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307333

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 307333-01 (Duplicate)

Reporting Duplicate RPD
Analyte Units Sample Result Result (Limit 20)
Gasoline ug/L (ppb) <12 <12 nm

Laboratory Code: Laboratory Control Sample

Reporting Spike Recovery Acceptance
Analyte Units Level LCS Criteria

Gasoline ug/L (ppb) 1,000 101 69-134

ENVIRONMENTAL CHEMISTS

Date of Report: 08/12/13 Date Received: 07/23/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307333

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample Silica Gel

-	-	_	Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Diesel Extended	ug/L (ppb)	2,500	60	83	58-134	32 vo

ENVIRONMENTAL CHEMISTS

Date of Report: 08/12/13 Date Received: 07/23/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307333

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 307333-01 (Matrix Spike)

		Percent				
	Reporting	Spike	Sample	Recovery	Acceptance	
Analyte	Units	Level	Result	MS	Criteria	
Dichlorodifluoromethane	ug/L (ppb)	50	< 0.16	123	55-144	
Chloromethane Vinyl chloride	ug/L (ppb) ug/L (ppb)	50 50	<0.22 0.15	104 104	67-131 61-139	
Bromomethane	ug/L (ppb)	50	<0.2	1039 vo	66-129	
Chloroethane	ug/L (ppb)	50	< 0.18	168 vo	68-126	
Trichlorofluoromethane	ug/L (ppb)	50	< 0.17	133 vo	71-128	
Acetone	ug/L (ppb)	250 50	<2.6 <0.19	97 108	48-149	
1,1-Dichloroethene Methylene chloride	ug/L (ppb) ug/L (ppb)	50 50	<0.19	99	71-123 61-126	
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	< 0.13	103	68-125	
trans-1,2-Dichloroethene	ug/L (ppb)	50	< 0.24	101	72-122	
1,1-Dichloroethane	ug/L (ppb)	50	<0.18	102	79-113	
2,2-Dichloropropane cis-1,2-Dichloroethene	ug/L (ppb) ug/L (ppb)	50 50	<0.3 <0.24	107 100	58-132 73-119	
Chloroform	ug/L (ppb)	50 50	<0.24	93	80-112	
2-Butanone (MEK)	ug/L (ppb)	250	< 0.94	99	69-123	
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	< 0.11	97	78-113	
1,1,1-Trichloroethane	ug/L (ppb)	50 50	<0.2	108 95	79-116	
1,1-Dichloropropene Carbon tetrachloride	ug/L (ppb) ug/L (ppb)	50 50	<0.26 <0.24	113	67-121 72-123	
Benzene	ug/L (ppb)	50	< 0.13	95	79-109	
Trichloroethene	ug/L (ppb)	50	< 0.17	96	75-109	
1,2-Dichloropropane	ug/L (ppb)	50	< 0.32	101	80-111	
Bromodichloromethane Dibromomethane	ug/L (ppb) ug/L (ppb)	50 50	<0.38 <0.28	113 104	78-117 80-112	
4-Methyl-2-pentanone	ug/L (ppb)	250	<1.3	124 vo	79-123	
cis-1,3-Dichloropropene	ug/L (ppb)	50	<0.2	113	76-120	
Toluene	ug/L (ppb)	50	< 0.13	93	73-117	
trans-1,3-Dichloropropene 1,1,2-Trichloroethane	ug/L (ppb)	50 50	<0.34 <0.28	112 102	75-122 81-111	
2-Hexanone	ug/L (ppb) ug/L (ppb)	250	<0.26	119	75-126	
1,3-Dichloropropane	ug/L (ppb)	50	< 0.2	98	81-111	
Tetrachloroethene	ug/L (ppb)	50	<0.28	94	72-113	
Dibromochloromethane	ug/L (ppb)	50 50	<0.24 <0.24	116 108	69-129	
1,2-Dibromoethane (EDB) Chlorobenzene	ug/L (ppb) ug/L (ppb)	50 50	<0.24 <0.1	108 95	83-114 75-115	
Ethylbenzene	ug/L (ppb)	50	< 0.16	96	71-120	
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	< 0.32	104	78-122	
m.p-Xylene	ug/L (ppb)	100	< 0.5	96	63-128	
o-Xylene Styrene	ug/L (ppb) ug/L (ppb)	50 50	<0.22 <0.22	97 99	64-129 70-122	
Isopropylbenzene	ug/L (ppb)	50	< 0.15	97	76-118	
Bromoform	ug/L (ppb)	50	< 0.22	125	49-138	
n-Propylbenzene	ug/L (ppb)	50	< 0.14	99	74-117	
Bromobenzene 1,3,5-Trimethylbenzene	ug/L (ppb) ug/L (ppb)	50 50	<0.18 <0.18	99 98	70-121 81-112	
1,1,2,2-Tetrachloroethane	ug/L (ppb) ug/L (ppb)	50 50	<0.16	109	79-120	
1,2,3-Trichloropropane	ug/L (ppb)	50	<0.28	101	72-119	
2-Chlorotoluene	ug/L (ppb)	50	< 0.13	98	77-114	
4-Chlorotoluene	ug/L (ppb)	50	< 0.16	97	81-109	
tert-Butylbenzene 1,2,4-Trimethylbenzene	ug/L (ppb) ug/L (ppb)	50 50	<0.15 <0.11	100 98	81-116 74-118	
sec-Butylbenzene	ug/L (ppb)	50	<0.12	97	77-118	
p-Isopropyltoluene	ug/L (ppb)	50	< 0.15	97	64-132	
1,3-Dichlorobenzene	ug/L (ppb)	50	< 0.15	95	81-111	
1,4-Dichlorobenzene 1,2-Dichlorobenzene	ug/L (ppb) ug/L (ppb)	50 50	<0.094 <0.13	92 98	78-110 81-111	
1,2-Dictrior obertzerie 1,2-Dibromo-3-chloropropane	ug/L (ppb) ug/L (ppb)	50 50	<0.13	118	69-129	
1,2,4-Trichlorobenzene	ug/L (ppb)	50	< 0.34	91	74-115	
Hexachlorobutadiene	ug/L (ppb)	50	< 0.46	83	67-120	
Naphthalene 1.2.3-Trichlorobenzene	ug/L (ppb)	50 50	<0.28 <0.38	106 92	63-136 79-115	
1,2,0-1110HOLODEHZEHE	ug/L (ppb)	5 U	<0.38	94	19-115	

ENVIRONMENTAL CHEMISTS

Date of Report: 08/12/13 Date Received: 07/23/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307333

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code. Laboratory Contr	-		Percent	Percent		
Analyte	Reporting Units	Spike Level	Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	110	111	54-149	1
Chloromethane	ug/L (ppb)	50	99	101	67-133	2
Vinyl chloride	ug/L (ppb)	50 50	95	96	73-132	1
Bromomethane Chloroethane	ug/L (ppb)	50 50	881 vo 156 vo	933 vo 156 vo	69-123 68-126	6 0
Trichlorofluoromethane	ug/L (ppb) ug/L (ppb)	50 50	123	125	70-132	2
Acetone	ug/L (ppb)	250	96	92	44-145	4
1,1-Dichloroethene	ug/L (ppb)	50	105	106	75-119	i
Methylene chloride	ug/L (ppb)	50	96	99	63-132	3
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	100	101	70-122	1
trans-1,2-Dichloroethene	ug/L (ppb)	50	98	98	76-118	0
1,1-Dichloroethane	ug/L (ppb)	50 50	99 104	100 109	80-116 62-141	1 5
2,2-Dichloropropane cis-1,2-Dichloroethene	ug/L (ppb) ug/L (ppb)	50 50	98	99	81-111	1
Chloroform	ug/L (ppb)	50 50	91	92	81-109	1
2-Butanone (MEK)	ug/L (ppb)	250	100	95	53-140	5
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	94	94	79-109	0
1,1,1-Trichloroethane	ug/L (ppb)	50	104	106	80-116	2
1,1-Dichloropropene	ug/L (ppb)	50	95	96	78-112	1
Carbon tetrachloride	ug/L (ppb)	50	107	111	72-128	4
Benzene Trichloroethene	ug/L (ppb) ug/L (ppb)	50 50	93 97	94 97	81-108 77-108	1 0
1.2-Dichloropropane	ug/L (ppb)	50 50	98	100	82-109	2
Bromodichloromethane	ug/L (ppb)	50	108	108	76-120	Õ
Dibromomethane	ug/L (ppb)	50	100	100	80-110	Ö
4-Methyl-2-pentanone	ug/L (ppb)	250	108	106	59-142	2
cis-1,3-Dichloropropene	ug/L (ppb)	50	111	111	76-128	0
Toluene	ug/L (ppb)	50	94	95	83-108	1
trans-1,3-Dichloropropene 1.1,2-Trichloroethane	ug/L (ppb)	50 50	112 99	112 100	76-128 82-110	0 1
2-Hexanone	ug/L (ppb) ug/L (ppb)	250	102	101	53-145	1
1,3-Dichloropropane	ug/L (ppb)	50 50	96	96	83-110	0
Tetrachloroethene	ug/L (ppb)	50	94	95	78-109	ĭ
Dibromochloromethane	ug/L (ppb)	50	112	114	63-140	2
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	105	104	85-113	1
Chlorobenzene	ug/L (ppb)	50	94	94	84-108	0
Ethylbenzene 1,1,1,2-Tetrachloroethane	ug/L (ppb)	50 50	95 104	97 107	84-110 76-125	2 3
m,p-Xylene	ug/L (ppb) ug/L (ppb)	100	96	96	84-112	ა 0
o-Xylene	ug/L (ppb)	50	97	98	82-113	1
Styrene	ug/L (ppb)	50	98	99	84-116	1
Isopropylbenzene	ug/L (ppb)	50	97	100	81-122	3
Bromoform	ug/L (ppb)	50	118	120	40-161	2
n-Propylbenzene	ug/L (ppb)	50	100	98	81-115	2
Bromobenzene 1,3,5-Trimethylbenzene	ug/L (ppb) ug/L (ppb)	50 50	97 100	96 99	80-113 83-117	1 1
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50 50	105	103	79-118	2
1,2,3-Trichloropropane	ug/L (ppb)	50	97	97	74-116	Õ
2-Chlorotoluene	ug/L (ppb)	50	98	97	79-112	i
4-Chlorotoluene	ug/L (ppb)	50	97	97	81-113	0
tert-Butylbenzene	ug/L (ppb)	50	103	103	81-119	0
1,2,4-Trimethylbenzene	ug/L (ppb)	50	100 99	99 99	83-116 83-116	1 0
sec-Butylbenzene p-Isopropyltoluene	ug/L (ppb) ug/L (ppb)	50 50	100	100	83-116 82-119	0
1.3-Dichlorobenzene	ug/L (ppb)	50 50	96	95	83-111	1
1,4-Dichlorobenzene	ug/L (ppb)	50	93	92	82-109	1
1,2-Dichlorobenzene	ug/L (ppb)	50	99	99	83-111	0
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	117	116	62-133	1
1,2,4-Trichlorobenzene	ug/L (ppb)	50	98	95	77-117	3
Hexachlorobutadiene	ug/L (ppb)	50 50	88 105	88 104	74-118 75-131	0
Naphthalene 1.2.3-Trichlorobenzene	ug/L (ppb) ug/L (ppb)	50 50	105 98	104 96	75-131 82-115	1 2
I,D,O IIIOIIOIODOIIEOIIC	agaz (ppo)	50	50	50	06-115	L

ENVIRONMENTAL CHEMISTS

Date of Report: 08/12/13 Date Received: 07/23/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307333

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270D

5	•		Percent	Percent		
	Reporting	Spike	Recovery LCS	Recovery	Acceptance	RPD
Analyte	Ûnits	Level	J	LCSD	Criteria	(Limit 20)
Phenol	ug/L (ppb)	10	40	41	18-52	2
Bis(2-chloroethyl) ether	ug/L (ppb)	10	88	93	52-113	6
2-Chlorophenol	ug/L (ppb)	10	80	83	50-110	4
1,3-Dichlorobenzene	ug/L (ppb)	10	79	76	45-109	4
1.4-Dichlorobenzene	ug/L (ppb)	10	80	77	44-118	4
1,2-Dichlorobenzene	ug/L (ppb)	10	81	78	46-116	4
Benzyl alcohol	ug/L (ppb)	10	72	80	42-100	11
Bis(2-chloroisopropyl) ether	ug/L (ppb)	10	96	98	51-124	2
2-Methylphenol	ug/L (ppb)	10	73	67	38-100	9
Hexachloroethane	ug/L (ppb)	10	79	74	42-117	7
N-Nitroso-di-n-propylamine	ug/L (ppb)	10	84	93	48-124	10
3-Methylphenol + 4-Methylphenol	ug/L (ppb)	10	67	65	48-87	3
Nitrobenzene	ug/L (ppb)	10	88	94		7
	ug/L (ppb)	10	90	96	50-118	6
Isophorone	ug/L (ppb)	10	87	95	55-116	9
2-Nitrophenol	ug/L (ppb)	10	75		42-127	68 vo
2,4-Dimethylphenol	ug/L (ppb)	65		37 vo	45-100	25 vo
Benzoic acid	ug/L (ppb)	10	24	31	10-46	6
Bis (2-chloroethoxy) methane		10	87	92	55-115	
2,4-Dichlorophenol	ug/L (ppb)		88	92	55-113	4
1,2,4-Trichlorobenzene	ug/L (ppb)	10	82	77	50-109	6
Hexachlorobutadiene	ug/L (ppb)	10	85	77	50-109	10
4-Chloroaniline	ug/L (ppb)	20	78	80	30-109	3
4-Chloro-3-methylphenol	ug/L (ppb)	10	90	93	54-114	3
2-Methylnaphthalene	ug/L (ppb)	10	86	86	53-113	0
Hexachlorocyclopentadiene	ug/L (ppb)	10	69	61	26-94	12
2,4,6-Trichlorophenol	ug/L (ppb)	10	89	94	46-114	5
2,4,5-Trichlorophenol	ug/L (ppb)	10	91	96	57-122	5
2-Chloronaphthalene	ug/L (ppb)	10	84	87	52-112	4
2-Nitroaniline	ug/L (ppb)	10	93	104	47-128	11
Dimethyl phthalate	ug/L (ppb)	10	90	98	55-116	9
2,6-Dinitrotoluene	ug/L (ppb)	10	91	101	49-126	10
3-Nitroaniline	ug/L (ppb)	20	86	95	21-125	10
2,4-Dinitrophenol	ug/L (ppb)	10	89	102	29-130	14
Dibenzofuran	ug/L (ppb)	10	85	91	53-113	7
2,4-Dinitrotoluene	ug/L (ppb)	10	95	105	48-129	10
4-Nitrophenol	ug/L (ppb)	10	41	42	12-59	2
Diethyl phthalate	ug/L (ppb)	10	88	94	55-116	7
4-Chlorophenyl phenyl ether	ug/L (ppb)	10	88	93	52-115	6
N-Nitrosodiphenylamine	ug/L (ppb)	10	87	91	51-112	4
	ug/L (ppb)	20	92	99		7
4-Nitroaniline	ug/L (ppb)	10	94	105	42-115	11
4,6-Dinitro-2-methylphenol	ug/L (ppb)	10	88	95	40-128	8
4-Bromophenyl phenyl ether	ug/L (ppb)	10	85	93	53-114	9
Hexachlorobenzene	ug/L (ppb)	10			54-115	4
Pentachlorophenol	ug/L (ppb)	10	110	114	49-114	7
Carbazole	ug/L (ppb)	10	88	94	54-115	2
Di-n-butyl phthalate		10	96	98	54-115	2
Benzyl butyl phthalate	ug/L (ppb)		100	102	53-122	
Bis(2-ethylhexyl) phthalate	ug/L (ppb)	10	95	97	54-122	2 9
Di-n-octyl phthalate	ug/L (ppb)	10	96	88	50-131	Э

ENVIRONMENTAL CHEMISTS

Date of Report: 08/12/13 Date Received: 07/23/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307333

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR PNA'S BY EPA METHOD 8270D SIM

			Percent	Percent		
	Reporting	Spike	Recovery LCS	Recovery	Acceptance	RPD
Analyte	Units	Level		LCSD	Criteria	(Limit 20)
Naphthalene	ug/L (ppb)	1	80	84	67-116	5
Acenaphthylene	ug/L (ppb)	1	87	89	65-119	2
Acenaphthene	ug/L (ppb)	1	83	86	66-118	4
Fluorene	ug/L (ppb)	1	89	91	64-125	2
Phenanthrene	ug/L (ppb)	1	86	89	67-120	3
Anthracene	ug/L (ppb)	1	84	83	65-122	1
Fluoranthene	ug/L (ppb)	1	92	93	65-127	1
Pyrene	ug/L (ppb)	1	89	90	62-130	1
Benz(a)anthracene	ug/L (ppb)	1	82	84	60-118	2
Chrysene	ug/L (ppb)	1	87	90	66-125	3
Benzo(b)fluoranthene	ug/L (ppb)	1	80	81	55-135	1
Benzo(k)fluoranthene	ug/L (ppb)	1	79	85	62-125	7
Benzo(a)pyrene	ug/L (ppb)	1	73	73	58-127	0
Indeno(1,2,3-cd)pyrene	ug/L (ppb)	1	75	71	36-142	5
Dibenz(a,h)anthracene	ug/L (ppb)	1	73	64	37-133	13
Benzo(g,h,i)perylene	ug/L (ppb)	1	73	66	34-135	10

ENVIRONMENTAL CHEMISTS

Date of Report: 08/12/13 Date Received: 07/23/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307333

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

	Reporting	Spike	% Recovery	% Recovery	Acceptance	RPD
_Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Aroclor 1016	ug/L (ppb)	0.625	80	95	70-130	17
Aroclor 1260	ug/L (ppb)	0.625	86	94	70-130	9

ENVIRONMENTAL CHEMISTS

Date of Report: 08/12/13 Date Received: 07/23/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307333

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 307177-01 (Matrix Spike)

-				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Beryllium	ug/L (ppb)	5	< 0.0980	113	113	67-145	0
Chromium	ug/L (ppb)	20	0.667	90	91	64-132	1
Nickel	ug/L (ppb)	20	0.959	83	84	61-128	1
Copper	ug/L (ppb)	20	0.904	83	84	63-124	1
Zinc	ug/L (ppb)	50	1.11	83	84	55-141	1
Arsenic	ug/L (ppb)	10	1.47	100	104	60-150	4
Selenium	ug/L (ppb)	5	< 0.560	100	104	43-178	4
Silver	ug/L (ppb)	5	< 0.0640	93	97	71-115	4
Cadmium	ug/L (ppb)	5	0.562	99	102	83-116	3
Antimony	ug/L (ppb)	20	0.401	88	92	62-125	4
Barium	ug/L (ppb)	50	8.25	99	103	79-126	4
Thallium	ug/L (ppb)	5	< 0.0740	92	93	73-119	1
Lead	ug/L (ppb)	10	< 0.144	93	95	79-121	2

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Beryllium	ug/L (ppb)	5	104	73-135
Chromium	ug/L (ppb)	20	86	80-119
Nickel	ug/L (ppb)	20	83	79-122
Copper	ug/L (ppb)	20	85	81-119
Zinc	ug/L (ppb)	50	81	76-124
Arsenic	ug/L (ppb)	10	85	80-111
Selenium	ug/L (ppb)	5	90	81-119
Silver	ug/L (ppb)	5	92	80-116
Cadmium	ug/L (ppb)	5	92	83-113
Antimony	ug/L (ppb)	20	88	79-108
Barium	ug/L (ppb)	50	92 -	83-117
Thallium	ug/L (ppb)	5	85	78-116
Lead	ug/L (ppb)	10	87	83-115

ENVIRONMENTAL CHEMISTS

Date of Report: 08/12/13 Date Received: 07/23/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307333

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Laboratory Code: 307333-01 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Mercury	ug/L (ppb)	0.010	0.0016	95	98	63-132	3

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Mercury	ug/L (ppb)	0.010	99	78-118

ENVIRONMENTAL CHEMISTS

Date of Report: 08/12/13 Date Received: 07/23/13

Project: Crowley RIFS 8th Ave Terminals 101.00205.00030, F&BI 307333

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL SUSPENDED SOLIDS BY METHOD 2540D

Laboratory Code: 307358-01 (Duplicate)

				Relative	
	Reporting	Sample	Duplicate	Percent	Acceptance
Analyte	Units	Result	Result	Difference	Criteria
TSS	mg/L	<10	<10	na	0-20

			Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
TSS	mg/L	50	96	99	61-131	3

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 More than one compound of similar molecule structure was identified with equal probability.
- b The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ${\it ca}$ The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c The presence of the analyte indicated may be due to carryover from previous sample injections.
- d The sample was diluted. Detection limits may be raised due to dilution.
- ds The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb Analyte present in the blank and the sample.
- fc The compound is a common laboratory and field contaminant.
- hr The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht Analysis performed outside the method or client-specified holding time requirement.
- ip Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j The result is below normal reporting limits. The value reported is an estimate.
- J The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- ${
 m jl}$ The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc The presence of the compound indicated is likely due to laboratory contamination.
- L The reported concentration was generated from a library search.
- $\,$ nm The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- vo The value reported fell outside the control limits established for this analyte.
- x The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



August 5, 2013

Michele Costales Poquiz Friedman & Bruya 3012 16th Ave W Seattle, WA 98119

RE: Project: 307333 ARI Job No.: WY50

Dear Michele:

Please find enclosed the Chain-of-Custody record (COC), sample receipt documentation, and the final data for the samples from the project referenced above. Analytical Resources, Inc. (ARI) accepted two water samples on July 24, 2013, under ARI job WY50. For further details regarding sample receipt, please refer to the enclosed Cooler Receipt Form.

The samples were analyzed for chloride and TOC, as requested on the COC.

There were no anomalies associated with the analyses of these samples.

An electronic copy of this report and all associated raw data will be kept on file at ARI. Should you have any questions or concerns, please feel free to call me at your convenience.

Respectfully,

ANALYTICAL RESOURCES, INC.

Cheronne Oreiro **Project Manager** (206) 695-6214 cheronneo@arilabs.com

www.arilabs.com

cc: eFile WY50

Enclosures

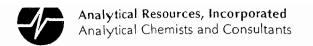
SAMPLE CHAIN OF CUSTODY

			_
	SUBCONTRACTOR		Page # of [
Send Report To_Michele Costales Poquiz	Analytical Resources, Inc. (ARI)		TURNAROUND TIME
	PROJECT NAME/NO.	PO#	XStandard Turnaround
CompanyFriedman & Bruya, Inc	307333	6-478	Rush charges authorized by:
Address 3012 16th Ave. W.			
	REMARKS		SAMPLE DISPOSAL
City, State, ZIP_Seattle, WA 98119			🗀 Dispose after 30 days
	Please e-mail results		E Return samples
Phone #_(206) 285-8282 Fax #_(206) 283-5044			☐ Will call with instructions
	ELECTRONIC DATA REQUESTED (EIM)		Samples Received at °C
Email Address mpoquiz@friedmanandbruya.com			
			Production of
	OEL C/3 1 4 1 4 4	CONCRETE OFFICE AND TABLE	

			51/24/13		٠			
	Notes	DOC conceded	per client no 1/24/13					
	ESTH VJ3	×	×					
	Chloride by SM4500	X	×					
ED	TDS by 2540C							
ANALYSES REQUESTED	Total Organic M080e yd modusO	Х	X					
S REC	Hexavalent Cr by 7196A						-	
LYSE	HFS							
NA	SAOCs by 8270							
7	VOCs by 8260							
	BLEX by 8021B	_						
	TPH-Gasoline							
	IsesiG-HTT							
	# of containers (Mg/pW/	EX,	362					
	Sample Type	water	water					
	Time Sampled	1145	225		•			
	Date Sampled	7/23/13 1145	Sect Ellecit					
	Lab ID							
	Sample ID	+	Ŋ					
	·	Seep - 4	Seep - 5					

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rreaman & Draya, mc.	DIGINALORE	FIMIL INGINE	COMPLEMIA	7707	TIME
3012 16th Avenue West	Relinquished by:	Michele Costales Pequiz	四年四	21/26/1	1/2/13 10:37 AM
Seattle, WA 98119-2029	Received by:	4. Norman Ser	AR	1 1 SING 1 SI	050
Ph. (206) 285-8282	Relinquished by:			-	
Fax (206) 283-5044	Received by:				
FORMS\COC\COC SLRC.DOC					

THE RESERVE OF THE PROPERTY OF



Cooler Receipt Form

ARI Client: Frudman + Brula		Project Name:			
	(va)	Delivered by: Fed-Ex UPS Cour	ier Hand Deliv	ered Other	2549
Assigned ARI Job No:	<i>9</i>	Tracking No: 45585			·
Preliminary Examination Phase:		Hadring Ho.			NA
Were intact, properly signed and dated custody seals a	attached to the	outside of to cooler?		YES	(NO
Were custody papers included with the cooler?				VEC	
Were custody papers properly filled out (ink, signed, et				VEO	NO
				رفعا	NO
Temperature of Cooler(s) (°C) (recommended 2.0-6.0		ry) <u>G(C)</u>		#: 9087	
If cooler temperature is out of compliance fill out form (1 /	- alalle			
Cooler Accepted by:			:_12SC)	
	ody forms and	attach all shipping documents			
Log-In Phase:	,				
Was a temperature blank included in the cooler?	***************************************			YES	(NO)
What kind of packing material was used?	ubble Wrap W	et Ice Gel Packs Baggies Foam	Block Paper (Other:	
Was sufficient ice used (if appropriate)?	**************************************		NA	(ES	NO
Were all bottles sealed in individual plastic bags?				₹E\$	NO
Did all bottles arrive in good condition (unbroken)?		······································		(ES	NO
Were all bottle labels complete and legible?	•••••••	· · · · · · · · · · · · · · · · · · ·		(FE)s	NO
Did the number of containers listed on COC match with	th the number o	of containers received?		E s	NO
Did all bottle labels and tags agree with custody paper	rs?			Œ3	NO
Were all bottles used correct for the requested analyse	es?			Ē	NO
Do any of the analyses (bottles) require preservation?	' (attach presen	vation sheet, excluding VOCs)	NA	Es	NO
Were all VOC vials free of air bubbles?			(NA)	YEŞ	NO
Was sufficient amount of sample sent in each bottle?				(YE)	NO
Date VOC Trip Blank was made at ARI			(NA		
Was Sample Split by ARI: (NA YES Date/	/Time:	Equipment:		Split by:	
$\Delta \lambda$	-	2/21/12 -	11/21		
Samples Logged by:	Date:	7/34/13 Time:	1701		
∼ Notity Proje	ect Manager of	f discrepancies or concerns **			
Sample ID on Bottle Sample ID or	n COC	Sample ID on Bottle	Sampl	le ID on COC	
	· ·	- :			
Additional Notes, Discrepancies, & Resolutions:					
Additional Motes, Discrepancies, & Nesonations.					
	•				
•					
By: Date:					
Small Air Bribbles Peabubbles' LARGE Air E	Subbles Sr	nall → "sm"			
-2mm 2-4 mm > 4 mm	re Pe	eabubbles → "pb"			
	L	arge → "lg"			
Total Conference and Associated Association and Association an	H	eadspace → "hs"			

0016F 3/2/10 Cooler Receipt Form

Revision 014

EXI

1 of 1 Page Inquiry Number: NONE

Analysis Requested: 07/24/13 Contact: Poquiz, Michele Client: Friedman and Bruya, Inc

Logged by: AV Sample Set Used: Yes-481

Validatable Package: No Deliverables:

ANALYTICAL (S)
RESOURCES (S)
INCORPORATED

ARI Job No: WY50

VTSR: 07/24/13 PC: Cheronne

Project #: 307333 Project:

Sample Site:

SDG No:

Analytical Protocol: In-house

DATE/BY			
AMOUNT ADDED D			
LOT AM NUMBER A			
ADJUSTED TO			
PARAMETER			
FLT			
DMET			
Fe2+ DMET DOC <2 FLT FLT			
TPHD <2			
\$2 > 6 <			
TOC <2	1005	<i>\$59\</i> }	_
TKN NO23			
TKN <2			
PHOS <2			
PHEN <2			
MET <2			
F0G			
COD <2			
NH3			
WAD >12			
CN >12			
CLIENT ID	SEEP-4	SEEP-5	
LOGNUM ARI ID	13-15494 WY50A	13-15495 wx50B	

. h. h.

Sample ID Cross Reference Report



ARI Job No: WY50

Client: Friedman and Bruya, Inc

Project Event: 307333
Project Name: N/A

 Sample ID	ARI Lab ID	ARI LIMS ID	Matrix	Sample Date/Time	VTSR
 SEEP-4 SEEP-5	WY50A WY50B	13-15494 13-15495		07/23/13 11:45 07/23/13 12:25	07/24/13 12:50 07/24/13 12:50

Printed 07/24/13 Page 1 of 1

SAMPLE RESULTS-CONVENTIONALS WY50-Friedman and Bruya, Inc



Matrix: Water

Data Release Authorized

Reported: 08/05/13

Project: NA

Event: 307333
Date Sampled: 07/23/13 Date Received: 07/24/13

Client ID: SEEP-4 ARI ID: 13-15494 WY50A

Analyte	Date Batch	Method	Units	RL	Sample
Chloride	08/02/13 080213#1	SM4500-CLE	mg/L	2,000	8,320
Total Organic Carbon	07/25/13 072513#1	EPA 9060M	mg/L	1.50	4.28

RLAnalytical reporting limit

U Undetected at reported detection limit

Water Sample Report-WY50

TAR E THE RESERVE TO THE RESERVE TO

SAMPLE RESULTS-CONVENTIONALS WY50-Friedman and Bruya, Inc



Matrix: Water

Data Release Authorized: Reported: 08/05/13

Project: NA

Event: 307333
Date Sampled: 07/23/13 Date Received: 07/24/13

Client ID: SEEP-5 ARI ID: 13-15495 WY50B

Analyte	Date Batch	Method	Units	RL	Sample
Chloride	08/02/13 080213#1	SM4500-CLE	mg/L	1,000	8,140
Total Organic Carbon	07/25/13 072513#1	EPA 9060M	mg/L	1.50	< 1.50 U

RLAnalytical reporting limit

Undetected at reported detection limit U

Water Sample Report-WY50

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MS/MSD RESULTS-CONVENTIONALS WY50-Friedman and Bruya, Inc



Matrix: Water
Data Release Authorized
Reported: 08/05/13

Project: NA
Event: 307333
Date Sampled: 07/23/13
Date Received: 07/24/13

Analyte	Method	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: WY50A Client	ID: SEEP-4						
Total Organic Carbon	EPA 9060M	07/25/13	mg/L	4.28	23.9	20.0	98.1%

REPLICATE RESULTS-CONVENTIONALS WY50-Friedman and Bruya, Inc



Matrix: Water
Data Release Authorized
Reported: 08/05/13

Project: NA
Event: 307333
Date Sampled: 07/23/13
Date Received: 07/24/13

Analyte	Method	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: WY50A Client	ID: SEEP-4					
Chloride	SM4500-CLE	08/02/13	mg/L	8,320	8,960	7.4%
Total Organic Carbon	EPA 9060M	07/25/13	mg/L	4.28	4.08	4.8%

Water Replicate Report-WY50

METHOD BLANK RESULTS-CONVENTIONALS WY50-Friedman and Bruya, Inc



Matrix: Water

Data Release Authorized: Reported: 08/05/13

Project: NA
Event: 307333
Date Sampled: NA Date Received: NA

Analyte	Method	Date	Units	Blank	ID
Chloride	SM4500-CLE	08/02/13	mg/L	< 1.0 U	FB
Total Organic Carbon	EPA 9060M	07/25/13	mg/L	< 1.50 U	
FB Filtration Blank					

STANDARD REFERENCE RESULTS-CONVENTIONALS WY50-Friedman and Bruya, Inc



Matrix: Water

Data Release Authorized Reported: 08/05/13

Project: NA Event: 307333 Date Sampled: NA Date Received: NA

Analyte/SRM ID	Method	Date	Units	SRM	True Value	Recovery
Chloride ERA #411010	SM4500-CLE	08/02/13	mg/L	4.9	5.0	98.0%
Total Organic Carbon	EPA 9060M	07/25/13	mg/L	21.6	20.0	108.0%

LAN E TERE . MINERAL E

307333

SAMPLE CHAIN OF CUSTODY

7/23/13 KS Ve/AOS/

Address 22118 20th Ave SE G202 Company SLR Laterational Corp. City, State, ZIP Bothell, WA 98021 Send Report To Mike State

Phone # 425-407-8800 Fax # 435-403-8488

SAMPLERS (signature)		1	Page # of
() - () () () () () () () () (10/ - Jan		TURNAROUND TIME
PROJECT NAME/NO.		PO#	A-Standard (2 Weeks)
Coules AIFS		-	□ RUSH
XTT AR TEMINAL	3	(Saco, CO3 6), 603	Rush charges authorized by
101.00 - 20 - 20 - 101	·		
REMARKS			SAMPLE DISPOSAL
6 1/20/) 20 00 11 1 20 1/20 VC 1 4 2/1 1/1	ili cer pel	9 3 7 80	☐ Dispose after 30 days
) バース・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	5 70		☐ Return samples
			Will call with instructions

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Friedman & Bruya, Inc. Seattle, WA 98119-2029 3012 16th Avenue West Fax (206) 283-5044 Ph. (206) 285-8282

TIME DATE COMPANY ANSOLA Marrist PRINT NAME SIGNATURE Relinquished by: Received by:

TOD MONTH TO THE TOTAL TOTAL



FINAL DATA GAPS REPORT CONTINUED





17 July 2013

Mike Staton SLR Consulting 22118 20th Ave SE Suite G202 Bothell, WA 98021

Ph.: 425-402-8800

Email: mstaton@slrconsulting.com

Subject: Certificate of Results - Amended

Dear Mike;

Attached to this narrative are the analytical results you requested on the samples submitted for the determination of polychlorinated dibenzo-*p*-dioxins and dibenzofurans. The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project No.	Crowley RIFS 101.00205.00030
AP Project #	A5662
Analytical Protocol	Method 8290
\$P\$ 100 年 100 W (100 100 100 100 100 100 100 100 100 10	
No. Samples Submitted	3
No. Samples Analyzed	2 (1 sample on hold)
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
No. Outstanding Samples	0
[10] 新闻 [10] [10] [10] [10] [10] [10] [10] [10]	
Date Received	25-Jun-2013
Condition Received	good
Temperature upon Receipt (C)	3
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	none
Analytical Difficulties	none

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.



QC Annotations:

- 1. Please see Appendix A & B attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.
- 2. This project has been amended so that the results are reported in pg/kg rather than pg/g.

Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

SGS Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS Analytical Perspectives welcomes customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS Analytical Perspectives.

Sincerely,

Heather Distel, Ph.D.

Senior Project Scientist/Team Lead

Heather Distel

AK/ak



	APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES
>	Indicates high recoveries. Shown with the numeric value at the top of the range.1
В	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
С	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
ЕМРС	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned.
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve)
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates. ¹
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
Х	Indicates results reported from reinjection, refractionation, or repeat analyses.
	APPENDIX B: LAB ID IDENTIFIERS
AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
s	Indicates a sample split. The number that follows the "S" indicates the split factor.

Sample ID	Sample ID: Method Blan	ık A5662				Methoc	Method 8290A
Client Data		Sample Data		Laboratory Data	<u>ıta</u>		
Name:	SLR International Corporation Matrix:	Matrix:	Solids	Lab Project ID:	A5662	Date Received:	n/a
Project ID:	Crowley R1FS 101.00205.00030 Weight/Volume:	Weight/Volume:	0.0100 Kg	Lab Sample ID MB1	MB1_11082_DF_SDS	Date Extracted:	26-Jun-2013
Date Collected:	n/a	% Solids:	100.0 %	QC Batch No:	11082	Date Analyzed:	11-Jul-2013
		Split:	-	Dilution:	•	Time Analyzed:	02:08:38
Analyte	Conc. (pg/Kg)	DL (pg/Kg)	EMPC (pg/Kg)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	EMPC		68	<u>۔</u>	ES 2378-TCDD	74.5	
12378-PeCDD	QN	63.8			ES 12378-PeCDD	75	
123478-HxCDD	QZ	40.4			ES 123478-HxCDD	77.9	
123678-HxCDD	QN	43.3			ES 123678-HxCDD	77.8	
123789-HxCDD	67.2			, T	ES 123789-HxCDD	73.7	
1234678-HpCDD	141			7	ES 1234678-HpCDD	68.4	
OCDD	738			ا ا ا ا	ES OCDD	58.4	
2378-TCDF	QN.	28.2			ES 2378-TCDF	74.7	
12378-PeCDF	QN	30.5			ES 12378-PeCDF	71.6	
23478-PeCDF	Q	29.1			ES 23478-PeCDF	76.6	
123478-HxCDF	43.4			7	ES 123478-HxCDF	77.4	
123678-HxCDF	Q	32.1			ES 123678-HxCDF	73.7	
234678-HxCDF	QZ	35.4			ES 234678-HxCDF	69.1	
123789-HxCDF	Q	48.7			ES 123789-HxCDF	72	
1234678-HpCDF	157			٦	ES 1234678-HpCDF	67.3	
1234789-HpCDF	2	67.8			ES 1234789-HpCDF	69	
OCDF	EMPC		323	J	ES OCDF	62.7	
Totals					Standard	CS/AS Recoveries	40
					CS 37CI-2378-TCDD	74.4	,
Total TCDD	ΩN		172		CS 12347-PeCDD	74	
Total PeCDD	Q	63.8	Ω		CS 12346-PeCDF	70.9	
Total HxCDD	67.2		67.2	,	CS 123469-HxCDF	75	
Total HpCDD	267		267		CS 1234689-HpCDF	67.1	
U C F F F	Ş		40.5		AS 1368-TCDD	78.3	
	2 2	0 00	C.24		1001-0001 04	0.07	-
Total Pecur		29.0	ND 7.				
Total HnCDE	45.4		157		I		
i oral i pool	161		101				
Total PCDD/Fs	1270		1810				
WHO-2005 TEQs							
TEQ: ND=0	14.3		103	Č	7	2714	2714 Exchange Drive
TEQ: ND=DL/2	87.1	9.77	152		7	Wilmington	Wilmington, NC 28405, USA
TEQ: ND=DL	160	155	200		ANALYTICAL PEREPECTIVES		www.us.sgs.com
					Tel: +1 910 794-1613; Toll-Free 866 846-8290; Fax: +1 910 794-3919	ree 866 846-8290; Fax:	+1 910 794-3919

Report Created: 17-Jul-2013 10:11 Analyst: AP

Checkcode: 595-790-QWM

Sample ID:): EB-14-1.0					Metho	Method 8290A
Client Data		Sample Data		Laboratory Data	<u>ita</u>		
Name:	SLR International Corporation Matrix:	Matrix:	Solids	Lab Project ID:	A5662	Date Received:	25-Jun-2013
Project ID:	Crowley R1FS 101.00205.00030 Weight/Volume:	Weight/Volume:	0.0102 Kg	Lab Sample ID A5662	A5662_11082_DF_001	Date Extracted:	26-Jun-2013
Date Collected:	17-Jun-2013	% Solids:	88.4 %	QC Batch No:	11082		11-Jul-2013
		Split:	1	Dilution:	1	Time Analyzed:	03:01:55
Analyte	Conc. (pg/Kg)	DL (pg/Kg)	EMPC (pg/Kg)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	220			J.B	ES 2378-TCDD	92.1	
12378-PeCDD	1730			っ	ES 12378-PeCDD	89.1	
123478-HxCDD	2560				ES 123478-HxCDD	9.06	
123678-HxCDD	8550		1		ES 123678-HxCDD	92.5	
123789-HxCDD	5530				ES 123789-HxCDD	90.1	
1234678-HpCDD	137000				ES 1234678-HpCDD	91.8	
ocpp	841000	i.	·		ES OCDD	83.3	
L 000	0				1		
42278 PcDF	7110	-		_	ES 23/0-1 CDF	34.7	
12370-PECDF	2000			ר	F3 123/0-FeCUF	0, 70 5, 60 7, 60	
234/0-reCDF	4100				ES 234/8-PeCDF	- 1	
123478-HxCDF	4920				ES 123478-HxCDF	93.7	
123678-HxCDF	2180			٦	ES 123678-HxCDF	90.8	
234678-HxCDF	2630				ES 234678-HxCDF	89.4	
123789-HxCDF	584			٦	ES 123789-HxCDF	06	
1234678-HpCDF	18900				ES 1234678-HpCDF	88.7	
1234789-HpCDF	1160			7	ES 1234789-HpCDF	90.6	
OCDF	22000				ES OCDF	83.1	
Totals					Standard	CS/AS Recoveries	s
		,			CS 37CI-2378-TCDD	88.1	
Total TCDD	4530	•	5480		CS 12347-PeCDD	85.1	
Total PeCDD	11700		12100		CS 12346-PeCDF	85.2	
Total HxCDD	57200		57200		CS 123469-HxCDF	92.5	
Total HpCDD	242000		242000		CS 1234689-HpCDF	87.8	
					AS 1368-TCDD	26	
Total TCDF	26400		26500		AS 1368-TCDF	99.5	
Total PeCDF	48200		48200				
Total HxCDF	53800		54000				
Total HpCDF	46200		46200				
Total PCDD/Fs	1350000		1350000				
WHO-2005 TEQs							
TEQ: ND=0	7970		7970			271	2714 Exchange Drive
TEQ: ND=DL/2	7970	123	7970		6	Wilmingtor	Wilmington, NC 28405, USA
TEQ: ND=DL	7970	246	7970	enerummatara (Statistick energy actions (Statistick energy actions (Statistics energy))	Tel: +1 910 794-1613; Toll-Free 866 846-8290; Fax: +1 910 794-3919	ree 866 846-8290; Fax	www.us.sgs.com : +1 910 794-3919
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Checkcode: 226-695-FFK		SGS AP D/F 2013 Rev. 2.3	ev. 2.3		кероп	Kepon Created: 17-Jul-2013 10:11 Analyst: AP	UTTI Analyst. Ar

Sample ID:): EB-14-5.0					Method	Method 8290A
Client Data		Sample Data		Laboratory Data	ita		
Name:	SLR International Corporation Matrix:	Matrix:	Solids	Lab Project ID:	A5662	Date Received:	25-Jun-2013
Project ID:	Crowley R1FS 101.00205.00030 Weight/Volume:	Weight/Volume:	0.0100 Kg	Lab Sample ID A5662	A5662_11082_DF_002	Date Extracted:	26-Jun-2013
Date Collected:	17-Jun-2013	% Solids:	84.9 %	QC Batch No:	11082	Date Analyzed:	11-Jul-2013
		Split:	•	Dilution:	-	Time Analyzed:	03:55:19
Analyte	Conc. (pg/Kg)	DL (pg/Kg)	EMPC (pg/Kg)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	69.4			ЭВ	ES 2378-TCDD	90.3	
12378-PeCDD	114			7	ES 12378-PeCDD	82.7	
123478-HxCDD	108			7	ES 123478-HxCDD	85.8	
123678-HxCDD	200			7	ES 123678-HxCDD	84.9	
123789-HxCDD	264			a P	ES 123789-HxCDD	83.9	
1234678-HpCDD	3560				ES 1234678-HpCDD	84.5	
осрр	27200				ES OCDD	7.97	
2378-TCDF	281			٦	ES 2378-TCDF	89.9	
12378-PeCDF	EMPC		116	٦	ES 12378-PeCDF	81.5	
23478-PeCDF	163			ר	ES 23478-PeCDF	81.5	
123478-HxCDF	EMPC		126	JВ	ES 123478-HxCDF	85.2	
123678-HxCDF	85.7			. •	ES 123678-HxCDF	83.4	
234678-HxCDF	124			7	ES 234678-HxCDF	82.1	
123789-HxCDF	QN	51.6			ES 123789-HxCDF	84	
1234678-HpCDF	509			J B	ES 1234678-HpCDF	82.1	
1234789-HpCDF	9	68.4			ES 1234789-HpCDF	82.8	
OCDF	EMPC		723	JB	ES OCDF	79.2	
Totals					Standard	CS/AS Recoveries	8
					CS 37CI-2378-TCDD	98.4	
Total TCDD	1200		1940		CS 12347-PeCDD	89.7	
Total PeCDD	1250		1660		CS 12346-PeCDF	88.9	
Total HxCDD	3020		3110		CS 123469-HxCDF	94.6	
Total HpCDD	7040	,	7040	!	CS 1234689-HpCDF	93	
					AS 1368-TCDD	104	
Total TCDF	5280		5460		AS 1368-TCDF	98.5	
Total PeCDF	1620		2060				
Total HxCDF	743		1160				
Total HpCDF	1180		1180				
Total PCDD/Fs	48500		51500				
WHO-2005 TEQS							
TEQ: ND=0	387		404				2714 Exchange Drive
TEQ: ND=DL/2	393	90.5	406		7.		Wilmington, NC 28405, USA
TEQ: ND=DL	398	181	409		Tel: +1 910 794-1613; Toll-Free 866 846-8290; Fax: +1 910 794-3919	ree 866 846-8290; Fax:	www.us.sgs.com +1 910 794-3919
Checkcode: 362-917-SJV		SGS AP D/F 2013 Rev. 2.3	ev. 2.3		Report	Report Created: 17-Jul-2013 10:11 Analyst: AP	0:11 Analyst: AP

ANALYTICAL PERSPECTIVES

PAGE COF

CHAIN-OF-CUSTODY RECORD

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FROJECT ID: PROJECT ID: DA CO. JOS.	15	02030		P.O. No.:	101.504.00.00	5,000	21	SAMPLER	(PRINTED NAME)	NAME)		(SIGNATURE)	
RELINQUISHED BY: (SIGNATURE & PRINTED NAME)	TURE & F	RINTED A		DATE:	TIME:		RECEIVED E	Y: (SIGNATURE & PR	INTED NAME)	7Q	DATE:	TIME:	
Cons. 12. May	Ame	M RAM	Amarka Menmin	61/20/01	1430		Ballar	Ballona Bagn Burbara Ho	Barbara Hager		25-Jun-13	1000	
RELINQUISHED BY: (SIGNATURE & PRINTED NAME)	ATURE & F	RINTED R		ДАТЕ:	TIME:		RECEIVED E	RECEIVED BY: (SIGNATURE & PRINTED NAME)	INTED NAME)	/α (ДАТЕ:	Тіме:	
PLEASE SEE NOTES ON THE BACK OF THE COC REGARDING THE SAMPLE ACCEPTANCE POLICY AND THE METHOD 8290 MS/MSD & DUP	THE BACK	ОF ТНЕ С	OC REGA	RDING THE	SAMPLE ACCI	EPTANCI	E POLICY AN	р тне Метнор 8290	O MS/MSD &	DUP	REQUE	REQUESTED TAT:	
SHIP TO: ANALYTIC 2714 EX	ANALYTICAL PERSPECTIVES 2714 EXCHANGE DRIVE	PECTIVE DRIVE	S	METHC F.E.	METHOD OF SHIPMENT: FEDEX		<u> </u>	bee.	1500		QAPP REFERENCE: SAMPLE ACCEPTANCE POLICY (ON BACK SIDE)	E: NCE POLIC	_
WILMING PH.: 910	VVILMINGTON, NC Z8405 PH.: 910-794-1613	28405		SHIPM	SHIPMENT ID:		T GOAL B GOAL	H 18 84 81 00H 81 00H	HAN EN SUR		CONTAINER(S)	MATRIX	
ATTN: YVES TONDEUR	NDEUR						/ \	10 / NO / 134 / 1	157				
SAMPLEID	DATE	ТімЕ	SAMPLE	SAMPLE DESCRIPTION	MS/MSD	DUP		,	<i>t</i>				
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SPECIAL INSTRUCTIONS/COMMENTS: (PLEASE CIRCLE OPTION BELOW)	COMMEN	TS: (PLEA	SE CIRCLE	OPTION BELO	W)		SEND DOCL	SEND DOCUMENTATION & RESULTS TO:		311 <u>1 TO</u> : (ВІ <u>СТТО</u> : (🔼 СНЕСК ІГ SAME)	ме)	
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ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Michael Erdahl, B.S. Kurt Johnson, B.S. Eric Young, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282 fbi@isomedia.com www.friedmanandbruya.com

July 19, 2013

Mike Staton SLR International Corp. 22118 20th Ave. SE., G-202 Bothell, WA 98021

Dear Mr. Staton:

Included are the results from the testing of material submitted on June 10, 2013 from the Crowley RIFS 101.00205.00019, F&BI 306147 project. There are 104 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Crimbile Postet Poquiz

Michele Costales Poquiz

Chemist

Enclosures SLR0719R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on June 10, 2013 by Friedman & Bruya, Inc. from the SLR International Corp. Crowley RIFS 101.00205.00019, F&BI 306147 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	SLR International Corp.
306147-01	EB-28-1.0
306147-02	EB-28-2.5
306147-03	EB-28-5.0
306147-04	EB-28-7.5
306147-05	EB-28-10.0
306147-06	EB-28-12.5
306147-07	EB-28-15.0
306147-08	EB-28-20.0
306147-09	EB-45-1.0
306147-10	EB-45-2.5
306147-11	EB-45-5.0
306147-12	EB-45-7.50
306147-13	EB-45-10.0
306147-14	EB-45-12.5
306147-15	EB-40-1.0
306147-16	EB-40-2.5
306147-17	EB-40-5.0
306147-18	EB-40-7.5
306147-19	EB-40-10.0
306147-20	EB-40-12.5
306147-21	EB-47-1.0
306147-22	EB-47-2.5
306147-23	EB-47-5.0
306147-24	EB-47-7.5
306147-25	EB-47-10.0
306147-26	EB-47-12.5
306147-27	EB-47-15.0
306147-28	EB-47-20.0
306147-29	EB-81-2.5
306147-30	TB-061013

<u>Total Petroluem Hydrocarbons as Diesel and Motor Oil by Method NWTPH-Dx with Silica Gel</u>

All quality control requirements were acceptable.

Volatile Compounds by EPA Method 8260C

The sample EB-45-5.0 was analyzed outside of the EPA recommended holding time for the 8260C analysis. The values reported should be considered estimates.

ENVIRONMENTAL CHEMISTS

The percent recovery for the matrix spike (MS), laboratory control sample (LCS), and laboratory control sample duplicate (LCSD) failed high for several compounds in the 8260C analysis. In addition, the relative percent difference (RPD) for the LCS/LCSD and the MS/MSD failed high for several compounds. The compounds were not identified in the samples, therefore the results are valid.

The trip blank sample was received with incorrect preservation for the 8260 analysis of vinyl chloride. The result should be considered an estimate.

Semivolatile Organic Compounds by EPA Method 8270D

The samples EB-28-5.0, EB-28-10.0, EB-45-5.0, EB-45-12.5, EB-40-1.0, EB-40-5.0, EB-47-1.0, and EB-47-5.0 were diluted due to matrix interferences. The reporting limits have been raised accordingly.

The internal standard associated with several analytes in the 8270D analysis of the MSD exceeded acceptance criteria. In addition, the percent recovery for the MS and the RPD for the LCS/LCSD and the MS/MSD exceeded acceptance criteria for several compounds. The results have been flagged accordingly.

Semivolatile Organic Compounds by EPA Method 8270D SIM

The samples EB-28-5.0, EB-28-10.0, EB-45-5.0, EB-45-10.0, EB-45-12.5, EB-40-1.0, EB-40-5.0, and EB-47-5.0 were diluted due to matrix interferences. The reporting limits have been raised accordingly.

The percent recovery for the MS and the RPD for the MS/MSD exceeded acceptance criteria for the 8270D SIM analysis of naphthalene. The results have been flagged accordingly.

Polychlorinated Biphenyls as Aroclor 1016/1260 by EPA Method 8082A

The samples EB-28-5.0, EB-45-5.0, EB-40-1.0, and EB-47-1.0 were diluted due to matrix interferences. The reporting limits have been raised accordingly.

Total Metals by EPA Method 200.8

Copper was identified at a low level in the method blank. The results have been flagged accordingly.

The internal standard associated with several analytes in the 200.8 analysis of the samples EB-28-5.0 and EB-47-5.0 exceeded acceptance criteria. The samples were diluted and reanalyzed. The results for the full strength and the dilution analyses are included.

The percent recovery for the MS exceeded acceptance criteria for the 200.8 analysis of antimony. The results have been flagged accordingly.

Total Mercury by EPA Method 1631E

All quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/19/13 Date Received: 06/10/13 Project: Crowley RIFS 101.00205.00019, F&BI 306147 Date Extracted: 06/12/13

Date Analyzed: 06/17/13

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Sample Extracts Passed Through a Silica Gel Column Prior to Analysis

Results Reported on a Dry Weight Basis Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	Motor Oil Range (C ₂₅ -C ₃₆)	Surrogate (% Recovery) (Limit 53-144)
EB-28-1.0 306147-01	<12	<21	122
EB-28-5.0 306147-03	<12	83	115
EB-28-10.0 306147-05	<12	630	141
EB-45-1.0 306147-09	<12	<21	132
EB-45-5.0 306147-11	100 x	630	112
EB-45-10.0 306147-13	<12	<21	117
EB-40-1.0 306147-15 1/10	52 x	2,200	ip
EB-40-5.0 306147-17	38 x	73	131
EB-40-10.0 306147-19	<12	<21	123
EB-47-1.0 306147-21	<12	66	121

ENVIRONMENTAL CHEMISTS

Date of Report: 07/19/13
Date Received: 06/10/13
Project: Crowley RIFS 101.00205.00019, F&BI 306147
Date Extracted: 06/12/13

Date Analyzed: 06/17/13

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Sample Extracts Passed Through a Silica Gel Column Prior to Analysis

Results Reported on a Dry Weight Basis Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C10-C25)	Motor Oil Range ((C ₂₅ -C ₃₆)	Surrogate <u>% Recovery)</u> (Limit 53-144)
EB-47-5.0 306147-23	19 x	80	137
EB-47-10.0 306147-25	<12	<21	127
Method Blank	<12	<21	127

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: EB-28-1.0Client: SLR International Corp. Crowley RIFS 101.00205.00019 Date Received: 06/10/13 Project: Lab ID: 306147-01 Date Extracted: 06/13/13 Date Analyzed: 06/13/13 Data File: 061329.D GCMS9 Matrix: Soil Instrument: mg/kg (ppm) JS Units: Operator:

		Lower	Opper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	98	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	< 0.02	1,3-Dichloropropane	< 0.02
Chloromethane	< 0.026	Tetrachloroethene	< 0.026
Vinyl chloride	< 0.016	Dibromochloromethane	< 0.026
Bromomethane	< 0.034	1,2-Dibromoethane (EDB)	< 0.03
Chloroethane	< 0.024	Chlorobenzene	< 0.014
Trichlorofluoromethane	< 0.02	Ethylbenzene	< 0.013
Acetone	< 0.2	1,1,1,2-Tetrachloroethane	< 0.028
1,1-Dichloroethene	< 0.026	m,p-Xylene	< 0.03
Methylene chloride	< 0.054	o-Xylene	< 0.034
Methyl t-butyl ether (MTBE)	< 0.013	Styrene	< 0.022
trans-1,2-Dichloroethene	< 0.024	Isopropylbenzene	< 0.019
1,1-Dichloroethane	< 0.017	Bromoform	< 0.034
2,2-Dichloropropane	< 0.026	n-Propylbenzene	< 0.017
cis-1,2-Dichloroethene	< 0.022	Bromobenzene	< 0.012
Chloroform	< 0.017	1,3,5-Trimethylbenzene	< 0.011
2-Butanone (MEK)	< 0.14	1,1,2,2-Tetrachloroethane	< 0.036
1,2-Dichloroethane (EDC)	< 0.016	1,2,3-Trichloropropane	< 0.022
1,1,1-Trichloroethane	< 0.022	2-Chlorotoluene	< 0.016
1,1-Dichloropropene	< 0.024	4-Chlorotoluene	< 0.019
Carbon tetrachloride	< 0.03	tert-Butylbenzene	< 0.022
Benzene	< 0.014	1,2,4-Trimethylbenzene	< 0.016
Trichloroethene	< 0.034	sec-Butylbenzene	< 0.015
1,2-Dichloropropane	< 0.034	p-Isopropyltoluene	< 0.012
Bromodichloromethane	< 0.024	1,3-Dichlorobenzene	< 0.02
Dibromomethane	< 0.022	1,4-Dichlorobenzene	< 0.032
4-Methyl-2-pentanone	< 0.14	1,2-Dichlorobenzene	< 0.016
cis-1,3-Dichloropropene	< 0.022	1,2-Dibromo-3-chloropropane	< 0.08
Toluene	< 0.017	1,2,4-Trichlorobenzene	< 0.036
trans-1,3-Dichloropropene	< 0.015	Hexachlorobutadiene	< 0.04
1,1,2-Trichloroethane	< 0.014	Naphthalene	< 0.024
2-Hexanone	< 0.096	1,2,3-Trichlorobenzene	< 0.019

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EB-28-5.0	Client:	SLR International Corp.
Date Received:	06/10/13	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/13/13	Lab ID:	306147-03
Date Analyzed:	06/13/13	Data File:	061330.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	98	50	150
4-Bromofluorobenzene	98	50	150

	Concentration		Concentration
Compounds:	mg/kg (ppm)	Compounds:	mg/kg (ppm)
Dichlorodifluoromethane	< 0.02	1,3-Dichloropropane	< 0.02
Chloromethane	< 0.026	Tetrachloroethene	< 0.026
Vinyl chloride	< 0.016	Dibromochloromethane	< 0.026
Bromomethane	< 0.034	1,2-Dibromoethane (EDB)	< 0.03
Chloroethane	< 0.024	Chlorobenzene	< 0.014
Trichlorofluoromethane	< 0.02	Ethylbenzene	< 0.013
Acetone	< 0.2	1,1,1,2-Tetrachloroethane	< 0.028
1,1-Dichloroethene	< 0.026	m,p-Xylene	< 0.03
Methylene chloride	< 0.054	o-Xylene	< 0.034
Methyl t-butyl ether (MTBE)	< 0.013	Styrene	< 0.022
trans-1,2-Dichloroethene	< 0.024	Isopropylbenzene	< 0.019
1,1-Dichloroethane	< 0.017	Bromoform	< 0.034
2,2-Dichloropropane	< 0.026	n-Propylbenzene	< 0.017
cis-1,2-Dichloroethene	< 0.022	Bromobenzene	< 0.012
Chloroform	< 0.017	1,3,5-Trimethylbenzene	< 0.011
2-Butanone (MEK)	< 0.14	1,1,2,2-Tetrachloroethane	< 0.036
1,2-Dichloroethane (EDC)	< 0.016	1,2,3-Trichloropropane	< 0.022
1,1,1-Trichloroethane	< 0.022	2-Chlorotoluene	< 0.016
1,1-Dichloropropene	< 0.024	4-Chlorotoluene	< 0.019
Carbon tetrachloride	< 0.03	tert-Butylbenzene	< 0.022
Benzene	< 0.014	1,2,4-Trimethylbenzene	< 0.016
Trichloroethene	< 0.034	sec-Butylbenzene	< 0.015
1,2-Dichloropropane	< 0.034	p-Isopropyltoluene	< 0.012
Bromodichloromethane	< 0.024	1,3-Dichlorobenzene	< 0.02
Dibromomethane	< 0.022	1,4-Dichlorobenzene	< 0.032
4-Methyl-2-pentanone	< 0.14	1,2-Dichlorobenzene	< 0.016
cis-1,3-Dichloropropene	< 0.022	1,2-Dibromo-3-chloropropane	< 0.08
Toluene	< 0.017	1,2,4-Trichlorobenzene	< 0.036
trans-1,3-Dichloropropene	< 0.015	Hexachlorobutadiene	< 0.04
1,1,2-Trichloroethane	< 0.014	Naphthalene	< 0.024
2-Hexanone	< 0.096	1,2,3-Trichlorobenzene	< 0.019

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EB-28-10.0	Client:	SLR International Corp.
Date Received:	06/10/13	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/13/13	Lab ID:	306147-05
Date Analyzed:	06/13/13	Data File:	061331.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	98	50	150

	Concentration		Concentration
Compounds:	mg/kg (ppm)	Compounds:	mg/kg (ppm)
Dichlorodifluoromethane	< 0.02	1,3-Dichloropropane	< 0.02
Chloromethane	< 0.026	Tetrachloroethene	< 0.026
Vinyl chloride	< 0.016	Dibromochloromethane	< 0.026
Bromomethane	< 0.034	1,2-Dibromoethane (EDB)	< 0.03
Chloroethane	< 0.024	Chlorobenzene	< 0.014
Trichlorofluoromethane	< 0.02	Ethylbenzene	< 0.013
Acetone	< 0.2	1,1,1,2-Tetrachloroethane	< 0.028
1,1-Dichloroethene	< 0.026	m,p-Xylene	< 0.03
Methylene chloride	< 0.054	o-Xylene	< 0.034
Methyl t-butyl ether (MTBE)	< 0.013	Styrene	< 0.022
trans-1,2-Dichloroethene	< 0.024	Isopropylbenzene	< 0.019
1,1-Dichloroethane	< 0.017	Bromoform	< 0.034
2,2-Dichloropropane	< 0.026	n-Propylbenzene	< 0.017
cis-1,2-Dichloroethene	< 0.022	Bromobenzene	< 0.012
Chloroform	< 0.017	1,3,5-Trimethylbenzene	< 0.011
2-Butanone (MEK)	< 0.14	1,1,2,2-Tetrachloroethane	< 0.036
1,2-Dichloroethane (EDC)	< 0.016	1,2,3-Trichloropropane	< 0.022
1,1,1-Trichloroethane	< 0.022	2-Chlorotoluene	< 0.016
1,1-Dichloropropene	< 0.024	4-Chlorotoluene	< 0.019
Carbon tetrachloride	< 0.03	tert-Butylbenzene	< 0.022
Benzene	< 0.014	1,2,4-Trimethylbenzene	< 0.016
Trichloroethene	< 0.034	sec-Butylbenzene	< 0.015
1,2-Dichloropropane	< 0.034	p-Isopropyltoluene	< 0.012
Bromodichloromethane	< 0.024	1,3-Dichlorobenzene	< 0.02
Dibromomethane	< 0.022	1,4-Dichlorobenzene	< 0.032
4-Methyl-2-pentanone	< 0.14	1,2-Dichlorobenzene	< 0.016
cis-1,3-Dichloropropene	< 0.022	1,2-Dibromo-3-chloropropane	< 0.08
Toluene	< 0.017	1,2,4-Trichlorobenzene	< 0.036
trans-1,3-Dichloropropene	< 0.015	Hexachlorobutadiene	< 0.04
1,1,2-Trichloroethane	< 0.014	Naphthalene	< 0.024
2-Hexanone	< 0.096	1,2,3-Trichlorobenzene	< 0.019

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EB-45-1.0	Client:	SLR International Corp.
Date Received:	06/10/13	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/13/13	Lab ID:	306147-09
Date Analyzed:	06/13/13	Data File:	061332.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

		rower.	Opper -
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	98	50	150

	Concentration		Concentration
Compounds:	mg/kg (ppm)	Compounds:	mg/kg (ppm)
Dichlorodifluoromethane	< 0.02	1,3-Dichloropropane	< 0.02
Chloromethane	< 0.026	Tetrachloroethene	< 0.026
Vinyl chloride	< 0.016	Dibromochloromethane	< 0.026
Bromomethane	< 0.034	1,2-Dibromoethane (EDB)	< 0.03
Chloroethane	< 0.024	Chlorobenzene	< 0.014
Trichlorofluoromethane	< 0.02	Ethylbenzene	< 0.013
Acetone	< 0.2	1,1,1,2-Tetrachloroethane	< 0.028
1,1-Dichloroethene	< 0.026	m,p-Xylene	< 0.03
Methylene chloride	< 0.054	o-Xylene	< 0.034
Methyl t-butyl ether (MTBE)	< 0.013	Styrene	< 0.022
trans-1,2-Dichloroethene	< 0.024	Isopropylbenzene	< 0.019
1,1-Dichloroethane	< 0.017	Bromoform	< 0.034
2,2-Dichloropropane	< 0.026	n-Propylbenzene	< 0.017
cis-1,2-Dichloroethene	< 0.022	Bromobenzene	< 0.012
Chloroform	< 0.017	1,3,5-Trimethylbenzene	< 0.011
2-Butanone (MEK)	< 0.14	1,1,2,2-Tetrachloroethane	< 0.036
1,2-Dichloroethane (EDC)	< 0.016	1,2,3-Trichloropropane	< 0.022
1,1,1-Trichloroethane	< 0.022	2-Chlorotoluene	< 0.016
1,1-Dichloropropene	< 0.024	4-Chlorotoluene	< 0.019
Carbon tetrachloride	< 0.03	tert-Butylbenzene	< 0.022
Benzene	< 0.014	1,2,4-Trimethylbenzene	< 0.016
Trichloroethene	< 0.034	sec-Butylbenzene	< 0.015
1,2-Dichloropropane	< 0.034	p-Isopropyltoluene	< 0.012
Bromodichloromethane	< 0.024	1,3-Dichlorobenzene	< 0.02
Dibromomethane	< 0.022	1,4-Dichlorobenzene	< 0.032
4-Methyl-2-pentanone	< 0.14	1,2-Dichlorobenzene	< 0.016
cis-1,3-Dichloropropene	< 0.022	1,2-Dibromo-3-chloropropane	< 0.08
Toluene	< 0.017	1,2,4-Trichlorobenzene	< 0.036
trans-1,3-Dichloropropene	< 0.015	Hexachlorobutadiene	< 0.04
1,1,2-Trichloroethane	< 0.014	Naphthalene	< 0.024
2-Hexanone	< 0.096	1,2,3-Trichlorobenzene	< 0.019

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EB-45-5.0	Client:	SLR International Corp.
Date Received:	06/10/13	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/28/13	Lab ID:	306147-11
Date Analyzed:	06/28/13	Data File:	062808.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	< 0.02	1,3-Dichloropropane	< 0.02
Chloromethane	< 0.026	Tetrachloroethene	< 0.026
Vinyl chloride	< 0.016	Dibromochloromethane	< 0.026
Bromomethane	< 0.034	1,2-Dibromoethane (EDB)	< 0.03
Chloroethane	< 0.024	Chlorobenzene	< 0.014
Trichlorofluoromethane	< 0.02	Ethylbenzene	< 0.013
Acetone	< 0.2	1,1,1,2-Tetrachloroethane	< 0.028
1,1-Dichloroethene	< 0.026	m,p-Xylene	< 0.03
Methylene chloride	< 0.054	o-Xylene	< 0.034
Methyl t-butyl ether (MTBE)	< 0.013	Styrene	< 0.022
trans-1,2-Dichloroethene	< 0.024	Isopropylbenzene	< 0.019
1,1-Dichloroethane	< 0.017	Bromoform	< 0.034
2,2-Dichloropropane	< 0.026	n-Propylbenzene	< 0.017
cis-1,2-Dichloroethene	< 0.022	Bromobenzene	< 0.012
Chloroform	< 0.017	1,3,5-Trimethylbenzene	< 0.011
2-Butanone (MEK)	< 0.14	1,1,2,2-Tetrachloroethane	< 0.036
1,2-Dichloroethane (EDC)	< 0.016	1,2,3-Trichloropropane	< 0.022
1,1,1-Trichloroethane	< 0.022	2-Chlorotoluene	< 0.016
1,1-Dichloropropene	< 0.024	4-Chlorotoluene	< 0.019
Carbon tetrachloride	< 0.03	tert-Butylbenzene	< 0.022
Benzene	< 0.014	1,2,4-Trimethylbenzene	< 0.016
Trichloroethene	< 0.034	sec-Butylbenzene	< 0.015
1,2-Dichloropropane	< 0.034	p-Isopropyltoluene	< 0.012
Bromodichloromethane	< 0.024	1,3-Dichlorobenzene	< 0.02
Dibromomethane	< 0.022	1,4-Dichlorobenzene	< 0.032
4-Methyl-2-pentanone	< 0.14	1,2-Dichlorobenzene	< 0.016
cis-1,3-Dichloropropene	< 0.022	1,2-Dibromo-3-chloropropane	< 0.08
Toluene	< 0.017	1,2,4-Trichlorobenzene	< 0.036
trans-1,3-Dichloropropene	< 0.015	Hexachlorobutadiene	< 0.04
1,1,2-Trichloroethane	< 0.014	Naphthalene	< 0.024
2-Hexanone	< 0.096	1,2,3-Trichlorobenzene	< 0.019

ht - Analysis performed outside the method or client-specified holding time requirement.

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EB-45-10.0	Client:	SLR International Corp.
Date Received:	06/10/13	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/13/13	Lab ID:	306147-13
Date Analyzed:	06/13/13	Data File:	061333.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

		Lower	∪pper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	< 0.02	1,3-Dichloropropane	< 0.02
Chloromethane	< 0.026	Tetrachloroethene	< 0.026
Vinyl chloride	< 0.016	Dibromochloromethane	< 0.026
Bromomethane	< 0.034	1,2-Dibromoethane (EDB)	< 0.03
Chloroethane	< 0.024	Chlorobenzene	< 0.014
Trichlorofluoromethane	< 0.02	Ethylbenzene	< 0.013
Acetone	< 0.2	1,1,1,2-Tetrachloroethane	< 0.028
1,1-Dichloroethene	< 0.026	m,p-Xylene	< 0.03
Methylene chloride	< 0.054	o-Xylene	< 0.034
Methyl t-butyl ether (MTBE)	< 0.013	Styrene	< 0.022
trans-1,2-Dichloroethene	< 0.024	Isopropylbenzene	< 0.019
1,1-Dichloroethane	< 0.017	Bromoform	< 0.034
2,2-Dichloropropane	< 0.026	n-Propylbenzene	< 0.017
cis-1,2-Dichloroethene	< 0.022	Bromobenzene	< 0.012
Chloroform	< 0.017	1,3,5-Trimethylbenzene	< 0.011
2-Butanone (MEK)	< 0.14	1,1,2,2-Tetrachloroethane	< 0.036
1,2-Dichloroethane (EDC)	< 0.016	1,2,3-Trichloropropane	< 0.022
1,1,1-Trichloroethane	< 0.022	2-Chlorotoluene	< 0.016
1,1-Dichloropropene	< 0.024	4-Chlorotoluene	< 0.019
Carbon tetrachloride	< 0.03	tert-Butylbenzene	< 0.022
Benzene	< 0.014	1,2,4-Trimethylbenzene	< 0.016
Trichloroethene	< 0.034	sec-Butylbenzene	< 0.015
1,2-Dichloropropane	< 0.034	p-Isopropyltoluene	< 0.012
Bromodichloromethane	< 0.024	1,3-Dichlorobenzene	< 0.02
Dibromomethane	< 0.022	1,4-Dichlorobenzene	< 0.032
4-Methyl-2-pentanone	< 0.14	1,2-Dichlorobenzene	< 0.016
cis-1,3-Dichloropropene	< 0.022	1,2-Dibromo-3-chloropropane	< 0.08
Toluene	< 0.017	1,2,4-Trichlorobenzene	< 0.036
trans-1,3-Dichloropropene	< 0.015	Hexachlorobutadiene	< 0.04
1,1,2-Trichloroethane	< 0.014	Naphthalene	< 0.024
2-Hexanone	< 0.096	1,2,3-Trichlorobenzene	< 0.019

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EB-40-1.0	Client:	SLR International Corp.
Date Received:	06/10/13	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/13/13	Lab ID:	306147-15
Date Analyzed:	06/13/13	Data File:	061334.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	98	50	150

	Concentration		Concentration
Compounds:	mg/kg (ppm)	Compounds:	mg/kg (ppm)
Dichlorodifluoromethane	< 0.02	1,3-Dichloropropane	< 0.02
Chloromethane	< 0.026	Tetrachloroethene	< 0.026
Vinyl chloride	< 0.016	Dibromochloromethane	< 0.026
Bromomethane	< 0.034	1,2-Dibromoethane (EDB)	< 0.03
Chloroethane	< 0.024	Chlorobenzene	< 0.014
Trichlorofluoromethane	< 0.02	Ethylbenzene	< 0.013
Acetone	< 0.2	1,1,1,2-Tetrachloroethane	< 0.028
1,1-Dichloroethene	< 0.026	m,p-Xylene	< 0.03
Methylene chloride	< 0.054	o-Xylene	< 0.034
Methyl t-butyl ether (MTBE)	< 0.013	Styrene	< 0.022
trans-1,2-Dichloroethene	< 0.024	Isopropylbenzene	< 0.019
1,1-Dichloroethane	< 0.017	Bromoform	< 0.034
2,2-Dichloropropane	< 0.026	n-Propylbenzene	< 0.017
cis-1,2-Dichloroethene	< 0.022	Bromobenzene	< 0.012
Chloroform	< 0.017	1,3,5-Trimethylbenzene	< 0.011
2-Butanone (MEK)	< 0.14	1,1,2,2-Tetrachloroethane	< 0.036
1,2-Dichloroethane (EDC)	< 0.016	1,2,3-Trichloropropane	< 0.022
1,1,1-Trichloroethane	< 0.022	2-Chlorotoluene	< 0.016
1,1-Dichloropropene	< 0.024	4-Chlorotoluene	< 0.019
Carbon tetrachloride	< 0.03	tert-Butylbenzene	< 0.022
Benzene	< 0.014	1,2,4-Trimethylbenzene	< 0.016
Trichloroethene	< 0.034	sec-Butylbenzene	< 0.015
1,2-Dichloropropane	< 0.034	p-Isopropyltoluene	< 0.012
Bromodichloromethane	< 0.024	1,3-Dichlorobenzene	< 0.02
Dibromomethane	< 0.022	1,4-Dichlorobenzene	< 0.032
4-Methyl-2-pentanone	< 0.14	1,2-Dichlorobenzene	< 0.016
cis-1,3-Dichloropropene	< 0.022	1,2-Dibromo-3-chloropropane	< 0.08
Toluene	< 0.017	1,2,4-Trichlorobenzene	< 0.036
trans-1,3-Dichloropropene	< 0.015	Hexachlorobutadiene	< 0.04
1,1,2-Trichloroethane	< 0.014	Naphthalene	< 0.024
2-Hexanone	< 0.096	1,2,3-Trichlorobenzene	< 0.019

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EB-40-5.0	Client:	SLR International Corp.
Date Received:	06/10/13	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/13/13	Lab ID:	306147-17
Date Analyzed:	06/13/13	Data File:	061335.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
-		-	
Dichlorodifluoromethane	< 0.02	1,3-Dichloropropane	< 0.02
Chloromethane	< 0.026	Tetrachloroethene	< 0.026
Vinyl chloride	< 0.016	Dibromochloromethane	< 0.026
Bromomethane	< 0.034	1,2-Dibromoethane (EDB)	< 0.03
Chloroethane	< 0.024	Chlorobenzene	< 0.014
Trichlorofluoromethane	< 0.02	Ethylbenzene	< 0.013
Acetone	< 0.2	1,1,1,2-Tetrachloroethane	< 0.028
1,1-Dichloroethene	< 0.026	m,p-Xylene	< 0.03
Methylene chloride	< 0.054	o-Xylene	< 0.034
Methyl t-butyl ether (MTBE)	< 0.013	Styrene	< 0.022
trans-1,2-Dichloroethene	< 0.024	Isopropylbenzene	< 0.019
1,1-Dichloroethane	< 0.017	Bromoform	< 0.034
2,2-Dichloropropane	< 0.026	n-Propylbenzene	< 0.017
cis-1,2-Dichloroethene	< 0.022	Bromobenzene	< 0.012
Chloroform	< 0.017	1,3,5-Trimethylbenzene	< 0.011
2-Butanone (MEK)	< 0.14	1,1,2,2-Tetrachloroethane	< 0.036
1,2-Dichloroethane (EDC)	< 0.016	1,2,3-Trichloropropane	< 0.022
1,1,1-Trichloroethane	< 0.022	2-Chlorotoluene	< 0.016
1,1-Dichloropropene	< 0.024	4-Chlorotoluene	< 0.019
Carbon tetrachloride	< 0.03	tert-Butylbenzene	< 0.022
Benzene	< 0.014	1,2,4-Trimethylbenzene	< 0.016
Trichloroethene	< 0.034	sec-Butylbenzene	< 0.015
1,2-Dichloropropane	< 0.034	p-Isopropyltoluene	< 0.012
Bromodichloromethane	< 0.024	1,3-Dichlorobenzene	< 0.02
Dibromomethane	< 0.022	1,4-Dichlorobenzene	< 0.032
4-Methyl-2-pentanone	< 0.14	1,2-Dichlorobenzene	< 0.016
cis-1,3-Dichloropropene	< 0.022	1,2-Dibromo-3-chloropropane	< 0.08
Toluene	< 0.017	1,2,4-Trichlorobenzene	< 0.036
trans-1,3-Dichloropropene	< 0.015	Hexachlorobutadiene	< 0.04
1,1,2-Trichloroethane	< 0.014	Naphthalene	< 0.024
2-Hexanone	< 0.096	1,2,3-Trichlorobenzene	< 0.019

ENVIRONMENTAL CHEMISTS

EB-40-10.0	Client:	SLR International Corp.
06/10/13	Project:	Crowley RIFS 101.00205.00019
06/13/13	Lab ID:	306147-19
06/13/13	Data File:	061336.D
Soil	Instrument:	GCMS9
mg/kg (ppm)	Operator:	JS
	06/10/13 06/13/13 06/13/13 Soil	06/10/13 Project: 06/13/13 Lab ID: 06/13/13 Data File: Soil Instrument:

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	< 0.02	1,3-Dichloropropane	< 0.02
Chloromethane	< 0.026	Tetrachloroethene	< 0.026
Vinyl chloride	< 0.016	Dibromochloromethane	< 0.026
Bromomethane	< 0.034	1,2-Dibromoethane (EDB)	< 0.03
Chloroethane	< 0.024	Chlorobenzene	< 0.014
Trichlorofluoromethane	< 0.02	Ethylbenzene	< 0.013
Acetone	< 0.2	1,1,1,2-Tetrachloroethane	< 0.028
1,1-Dichloroethene	< 0.026	m,p-Xylene	< 0.03
Methylene chloride	< 0.054	o-Xylene	< 0.034
Methyl t-butyl ether (MTBE)	< 0.013	Styrene	< 0.022
trans-1,2-Dichloroethene	< 0.024	Isopropylbenzene	< 0.019
1,1-Dichloroethane	< 0.017	Bromoform	< 0.034
2,2-Dichloropropane	< 0.026	n-Propylbenzene	< 0.017
cis-1,2-Dichloroethene	< 0.022	Bromobenzene	< 0.012
Chloroform	< 0.017	1,3,5-Trimethylbenzene	< 0.011
2-Butanone (MEK)	< 0.14	1,1,2,2-Tetrachloroethane	< 0.036
1,2-Dichloroethane (EDC)	< 0.016	1,2,3-Trichloropropane	< 0.022
1,1,1-Trichloroethane	< 0.022	2-Chlorotoluene	< 0.016
1,1-Dichloropropene	< 0.024	4-Chlorotoluene	< 0.019
Carbon tetrachloride	< 0.03	tert-Butylbenzene	< 0.022
Benzene	< 0.014	1,2,4-Trimethylbenzene	< 0.016
Trichloroethene	< 0.034	sec-Butylbenzene	< 0.015
1,2-Dichloropropane	< 0.034	p-Isopropyltoluene	< 0.012
Bromodichloromethane	< 0.024	1,3-Dichlorobenzene	< 0.02
Dibromomethane	< 0.022	1,4-Dichlorobenzene	< 0.032
4-Methyl-2-pentanone	< 0.14	1,2-Dichlorobenzene	< 0.016
cis-1,3-Dichloropropene	< 0.022	1,2-Dibromo-3-chloropropane	< 0.08
Toluene	< 0.017	1,2,4-Trichlorobenzene	< 0.036
trans-1,3-Dichloropropene	< 0.015	Hexachlorobutadiene	< 0.04
1,1,2-Trichloroethane	< 0.014	Naphthalene	< 0.024
2-Hexanone	< 0.096	1,2,3-Trichlorobenzene	< 0.019

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EB-47-1.0	Client:	SLR International Corp.
Date Received:	06/10/13	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/13/13	Lab ID:	306147-21
Date Analyzed:	06/13/13	Data File:	061337.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	< 0.02	1,3-Dichloropropane	< 0.02
Chloromethane	< 0.026	Tetrachloroethene	< 0.026
Vinyl chloride	< 0.016	Dibromochloromethane	< 0.026
Bromomethane	< 0.034	1,2-Dibromoethane (EDB)	< 0.03
Chloroethane	< 0.024	Chlorobenzene	< 0.014
Trichlorofluoromethane	< 0.02	Ethylbenzene	< 0.013
Acetone	< 0.2	1,1,1,2-Tetrachloroethane	< 0.028
1,1-Dichloroethene	< 0.026	m,p-Xylene	< 0.03
Methylene chloride	< 0.054	o-Xylene	< 0.034
Methyl t-butyl ether (MTBE)	< 0.013	Styrene	< 0.022
trans-1,2-Dichloroethene	< 0.024	Isopropylbenzene	< 0.019
1,1-Dichloroethane	< 0.017	Bromoform	< 0.034
2,2-Dichloropropane	< 0.026	n-Propylbenzene	< 0.017
cis-1,2-Dichloroethene	< 0.022	Bromobenzene	< 0.012
Chloroform	< 0.017	1,3,5-Trimethylbenzene	< 0.011
2-Butanone (MEK)	< 0.14	1,1,2,2-Tetrachloroethane	< 0.036
1,2-Dichloroethane (EDC)	< 0.016	1,2,3-Trichloropropane	< 0.022
1,1,1-Trichloroethane	< 0.022	2-Chlorotoluene	< 0.016
1,1-Dichloropropene	< 0.024	4-Chlorotoluene	< 0.019
Carbon tetrachloride	< 0.03	tert-Butylbenzene	< 0.022
Benzene	< 0.014	1,2,4-Trimethylbenzene	< 0.016
Trichloroethene	< 0.034	sec-Butylbenzene	< 0.015
1,2-Dichloropropane	< 0.034	p-Isopropyltoluene	< 0.012
Bromodichloromethane	< 0.024	1,3-Dichlorobenzene	< 0.02
Dibromomethane	< 0.022	1,4-Dichlorobenzene	< 0.032
4-Methyl-2-pentanone	< 0.14	1,2-Dichlorobenzene	< 0.016
cis-1,3-Dichloropropene	< 0.022	1,2-Dibromo-3-chloropropane	< 0.08
Toluene	< 0.017	1,2,4-Trichlorobenzene	< 0.036
trans-1,3-Dichloropropene	< 0.015	Hexachlorobutadiene	< 0.04
1,1,2-Trichloroethane	< 0.014	Naphthalene	< 0.024
2-Hexanone	< 0.096	1,2,3-Trichlorobenzene	< 0.019

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EB-47-5.0	Client:	SLR International Corp.
Date Received:	06/10/13	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/13/13	Lab ID:	306147-23
Date Analyzed:	06/13/13	Data File:	061338.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	98	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	< 0.02	1,3-Dichloropropane	< 0.02
Chloromethane	< 0.026	Tetrachloroethene	< 0.026
Vinyl chloride	< 0.016	Dibromochloromethane	< 0.026
Bromomethane	< 0.034	1,2-Dibromoethane (EDB)	< 0.03
Chloroethane	< 0.024	Chlorobenzene	< 0.014
Trichlorofluoromethane	< 0.02	Ethylbenzene	< 0.013
Acetone	< 0.2	1,1,1,2-Tetrachloroethane	< 0.028
1,1-Dichloroethene	< 0.026	m,p-Xylene	< 0.03
Methylene chloride	< 0.054	o-Xylene	< 0.034
Methyl t-butyl ether (MTBE)	< 0.013	Styrene	< 0.022
trans-1,2-Dichloroethene	< 0.024	Isopropylbenzene	< 0.019
1,1-Dichloroethane	< 0.017	Bromoform	< 0.034
2,2-Dichloropropane	< 0.026	n-Propylbenzene	< 0.017
cis-1,2-Dichloroethene	< 0.022	Bromobenzene	< 0.012
Chloroform	< 0.017	1,3,5-Trimethylbenzene	< 0.011
2-Butanone (MEK)	< 0.14	1,1,2,2-Tetrachloroethane	< 0.036
1,2-Dichloroethane (EDC)	< 0.016	1,2,3-Trichloropropane	< 0.022
1,1,1-Trichloroethane	< 0.022	2-Chlorotoluene	< 0.016
1,1-Dichloropropene	< 0.024	4-Chlorotoluene	< 0.019
Carbon tetrachloride	< 0.03	tert-Butylbenzene	< 0.022
Benzene	< 0.014	1,2,4-Trimethylbenzene	< 0.016
Trichloroethene	< 0.034	sec-Butylbenzene	< 0.015
1,2-Dichloropropane	< 0.034	p-Isopropyltoluene	< 0.012
Bromodichloromethane	< 0.024	1,3-Dichlorobenzene	< 0.02
Dibromomethane	< 0.022	1,4-Dichlorobenzene	< 0.032
4-Methyl-2-pentanone	< 0.14	1,2-Dichlorobenzene	< 0.016
cis-1,3-Dichloropropene	< 0.022	1,2-Dibromo-3-chloropropane	< 0.08
Toluene	< 0.017	1,2,4-Trichlorobenzene	< 0.036
trans-1,3-Dichloropropene	< 0.015	Hexachlorobutadiene	< 0.04
1,1,2-Trichloroethane	< 0.014	Naphthalene	< 0.024
2-Hexanone	< 0.096	1,2,3-Trichlorobenzene	< 0.019

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EB-47-10.0	Client:	SLR International Corp.
Date Received:	06/10/13	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/13/13	Lab ID:	306147-25
Date Analyzed:	06/13/13	Data File:	061339.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

		rower.	Opper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	98	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	< 0.02	1,3-Dichloropropane	< 0.02
Chloromethane	< 0.026	Tetrachloroethene	< 0.026
Vinyl chloride	< 0.016	Dibromochloromethane	< 0.026
Bromomethane	< 0.034	1,2-Dibromoethane (EDB)	< 0.03
Chloroethane	< 0.024	Chlorobenzene	< 0.014
Trichlorofluoromethane	< 0.02	Ethylbenzene	< 0.013
Acetone	< 0.2	1,1,1,2-Tetrachloroethane	< 0.028
1,1-Dichloroethene	< 0.026	m,p-Xylene	< 0.03
Methylene chloride	< 0.054	o-Xylene	< 0.034
Methyl t-butyl ether (MTBE)	< 0.013	Styrene	< 0.022
trans-1,2-Dichloroethene	< 0.024	Isopropylbenzene	< 0.019
1,1-Dichloroethane	< 0.017	Bromoform	< 0.034
2,2-Dichloropropane	< 0.026	n-Propylbenzene	< 0.017
cis-1,2-Dichloroethene	< 0.022	Bromobenzene	< 0.012
Chloroform	< 0.017	1,3,5-Trimethylbenzene	< 0.011
2-Butanone (MEK)	< 0.14	1,1,2,2-Tetrachloroethane	< 0.036
1,2-Dichloroethane (EDC)	< 0.016	1,2,3-Trichloropropane	< 0.022
1,1,1-Trichloroethane	< 0.022	2-Chlorotoluene	< 0.016
1,1-Dichloropropene	< 0.024	4-Chlorotoluene	< 0.019
Carbon tetrachloride	< 0.03	tert-Butylbenzene	< 0.022
Benzene	< 0.014	1,2,4-Trimethylbenzene	< 0.016
Trichloroethene	< 0.034	sec-Butylbenzene	< 0.015
1,2-Dichloropropane	< 0.034	p-Isopropyltoluene	< 0.012
Bromodichloromethane	< 0.024	1,3-Dichlorobenzene	< 0.02
Dibromomethane	< 0.022	1,4-Dichlorobenzene	< 0.032
4-Methyl-2-pentanone	< 0.14	1,2-Dichlorobenzene	< 0.016
cis-1,3-Dichloropropene	< 0.022	1,2-Dibromo-3-chloropropane	< 0.08
Toluene	< 0.017	1,2,4-Trichlorobenzene	< 0.036
trans-1,3-Dichloropropene	< 0.015	Hexachlorobutadiene	< 0.04
1,1,2-Trichloroethane	< 0.014	Naphthalene	< 0.024
2-Hexanone	< 0.096	1,2,3-Trichlorobenzene	< 0.019

ENVIRONMENTAL CHEMISTS

Client Sample ID:	Method Blank	Client:	SLR International Corp.
Date Received:	N/A	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/13/13	Lab ID:	03-1107 mb
Date Analyzed:	06/13/13	Data File:	061328.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	98	50	150

	Concentration		Concentration
Compounds:	mg/kg (ppm)	Compounds:	mg/kg (ppm)
Dichlorodifluoromethane	< 0.02	1,3-Dichloropropane	< 0.02
Chloromethane	< 0.026	Tetrachloroethene	< 0.026
Vinyl chloride	< 0.016	Dibromochloromethane	< 0.026
Bromomethane	< 0.034	1,2-Dibromoethane (EDB)	< 0.03
Chloroethane	< 0.024	Chlorobenzene	< 0.014
Trichlorofluoromethane	< 0.02	Ethylbenzene	< 0.013
Acetone	< 0.2	1,1,1,2-Tetrachloroethane	< 0.028
1,1-Dichloroethene	< 0.026	m,p-Xylene	< 0.03
Methylene chloride	< 0.054	o-Xylene	< 0.034
Methyl t-butyl ether (MTBE)	< 0.013	Styrene	< 0.022
trans-1,2-Dichloroethene	< 0.024	Isopropylbenzene	< 0.019
1,1-Dichloroethane	< 0.017	Bromoform	< 0.034
2,2-Dichloropropane	< 0.026	n-Propylbenzene	< 0.017
cis-1,2-Dichloroethene	< 0.022	Bromobenzene	< 0.012
Chloroform	< 0.017	1,3,5-Trimethylbenzene	< 0.011
2-Butanone (MEK)	< 0.14	1,1,2,2-Tetrachloroethane	< 0.036
1,2-Dichloroethane (EDC)	< 0.016	1,2,3-Trichloropropane	< 0.022
1,1,1-Trichloroethane	< 0.022	2-Chlorotoluene	< 0.016
1,1-Dichloropropene	< 0.024	4-Chlorotoluene	< 0.019
Carbon tetrachloride	< 0.03	tert-Butylbenzene	< 0.022
Benzene	< 0.014	1,2,4-Trimethylbenzene	< 0.016
Trichloroethene	< 0.034	sec-Butylbenzene	< 0.015
1,2-Dichloropropane	< 0.034	p-Isopropyltoluene	< 0.012
Bromodichloromethane	< 0.024	1,3-Dichlorobenzene	< 0.02
Dibromomethane	< 0.022	1,4-Dichlorobenzene	< 0.032
4-Methyl-2-pentanone	< 0.14	1,2-Dichlorobenzene	< 0.016
cis-1,3-Dichloropropene	< 0.022	1,2-Dibromo-3-chloropropane	< 0.08
Toluene	< 0.017	1,2,4-Trichlorobenzene	< 0.036
trans-1,3-Dichloropropene	< 0.015	Hexachlorobutadiene	< 0.04
1,1,2-Trichloroethane	< 0.014	Naphthalene	< 0.024
2-Hexanone	< 0.096	1,2,3-Trichlorobenzene	< 0.019

ENVIRONMENTAL CHEMISTS

Client Sample ID:	Method Blank	Client:	SLR International Corp.
Date Received:	N/A	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/28/13	Lab ID:	03-1279 mb
Date Analyzed:	06/28/13	Data File:	062807.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	99	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	< 0.02	1,3-Dichloropropane	< 0.02
Chloromethane	< 0.026	Tetrachloroethene	< 0.026
Vinyl chloride	< 0.016	Dibromochloromethane	< 0.026
Bromomethane	< 0.034	1,2-Dibromoethane (EDB)	< 0.03
Chloroethane	< 0.024	Chlorobenzene	< 0.014
Trichlorofluoromethane	< 0.02	Ethylbenzene	< 0.013
Acetone	< 0.2	1,1,1,2-Tetrachloroethane	< 0.028
1,1-Dichloroethene	< 0.026	m,p-Xylene	< 0.03
Methylene chloride	< 0.054	o-Xylene	< 0.034
Methyl t-butyl ether (MTBE)	< 0.013	Styrene	< 0.022
trans-1,2-Dichloroethene	< 0.024	Isopropylbenzene	< 0.019
1,1-Dichloroethane	< 0.017	Bromoform	< 0.034
2,2-Dichloropropane	< 0.026	n-Propylbenzene	< 0.017
cis-1,2-Dichloroethene	< 0.022	Bromobenzene	< 0.012
Chloroform	< 0.017	1,3,5-Trimethylbenzene	< 0.011
2-Butanone (MEK)	< 0.14	1,1,2,2-Tetrachloroethane	< 0.036
1,2-Dichloroethane (EDC)	< 0.016	1,2,3-Trichloropropane	< 0.022
1,1,1-Trichloroethane	< 0.022	2-Chlorotoluene	< 0.016
1,1-Dichloropropene	< 0.024	4-Chlorotoluene	< 0.019
Carbon tetrachloride	< 0.03	tert-Butylbenzene	< 0.022
Benzene	< 0.014	1,2,4-Trimethylbenzene	< 0.016
Trichloroethene	< 0.034	sec-Butylbenzene	< 0.015
1,2-Dichloropropane	< 0.034	p-Isopropyltoluene	< 0.012
Bromodichloromethane	< 0.024	1,3-Dichlorobenzene	< 0.02
Dibromomethane	< 0.022	1,4-Dichlorobenzene	< 0.032
4-Methyl-2-pentanone	< 0.14	1,2-Dichlorobenzene	< 0.016
cis-1,3-Dichloropropene	< 0.022	1,2-Dibromo-3-chloropropane	< 0.08
Toluene	< 0.017	1,2,4-Trichlorobenzene	< 0.036
trans-1,3-Dichloropropene	< 0.015	Hexachlorobutadiene	< 0.04
1,1,2-Trichloroethane	< 0.014	Naphthalene	< 0.024
2-Hexanone	< 0.096	1,2,3-Trichlorobenzene	< 0.019

ENVIRONMENTAL CHEMISTS

Client Sample ID:	TB-061013	Client:	SLR International Corp.
Date Received:	06/10/13	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/18/13	Lab ID:	306147-30
Date Analyzed:	06/18/13	Data File:	061811.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Opper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	97	50	150
4-Bromofluorobenzene	94	50	150

	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	<0.13 pr	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	< 0.44
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	<0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	Method Blank	Client:	SLR International Corp.
Date Received:	N/A	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/18/13	Lab ID:	03-1114 mb
Date Analyzed:	06/18/13	Data File:	061809.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	98	50	150
4-Bromofluorobenzene	96	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Compounds.	ug/L (ppb)	Compounds.	ug/L (ppu)
Dichlorodifluoromethane	< 0.16	1,3-Dichloropropane	< 0.2
Chloromethane	< 0.22	Tetrachloroethene	< 0.28
Vinyl chloride	< 0.13	Dibromochloromethane	< 0.24
Bromomethane	< 0.2	1,2-Dibromoethane (EDB)	< 0.24
Chloroethane	< 0.18	Chlorobenzene	< 0.1
Trichlorofluoromethane	< 0.17	Ethylbenzene	< 0.16
Acetone	<2.6	1,1,1,2-Tetrachloroethane	< 0.32
1,1-Dichloroethene	< 0.19	m,p-Xylene	< 0.5
Methylene chloride	<3	o-Xylene	< 0.22
Methyl t-butyl ether (MTBE)	< 0.13	Styrene	< 0.22
trans-1,2-Dichloroethene	< 0.24	Isopropylbenzene	< 0.15
1,1-Dichloroethane	< 0.18	Bromoform	< 0.22
2,2-Dichloropropane	< 0.3	n-Propylbenzene	< 0.14
cis-1,2-Dichloroethene	< 0.24	Bromobenzene	< 0.18
Chloroform	< 0.24	1,3,5-Trimethylbenzene	< 0.18
2-Butanone (MEK)	< 0.94	1,1,2,2-Tetrachloroethane	< 0.24
1,2-Dichloroethane (EDC)	< 0.11	1,2,3-Trichloropropane	< 0.28
1,1,1-Trichloroethane	< 0.2	2-Chlorotoluene	< 0.13
1,1-Dichloropropene	< 0.26	4-Chlorotoluene	< 0.16
Carbon tetrachloride	< 0.24	tert-Butylbenzene	< 0.15
Benzene	< 0.13	1,2,4-Trimethylbenzene	< 0.11
Trichloroethene	< 0.17	sec-Butylbenzene	< 0.12
1,2-Dichloropropane	< 0.32	p-Isopropyltoluene	< 0.15
Bromodichloromethane	< 0.38	1,3-Dichlorobenzene	< 0.15
Dibromomethane	< 0.28	1,4-Dichlorobenzene	< 0.094
4-Methyl-2-pentanone	<1.3	1,2-Dichlorobenzene	< 0.13
cis-1,3-Dichloropropene	< 0.2	1,2-Dibromo-3-chloropropane	< 0.44
Toluene	< 0.13	1,2,4-Trichlorobenzene	< 0.34
trans-1,3-Dichloropropene	< 0.34	Hexachlorobutadiene	< 0.46
1,1,2-Trichloroethane	< 0.28	Naphthalene	< 0.28
2-Hexanone	<1	1,2,3-Trichlorobenzene	< 0.38

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EB-28-1.0	Client:	SLR International Corp.
Date Received:	06/10/13	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/18/13	Lab ID:	306147-01
Date Analyzed:	06/21/13	Data File:	062116.D
Matrix:	Soil	Instrument:	GCMS8
Units:	mg/kg (ppm)	Operator:	ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	73	56	115
Phenol-d6	82	54	113
Nitrobenzene-d5	80	31	164
2-Fluorobiphenyl	83	47	133
2,4,6-Tribromophenol	94	35	141
Terphenyl-d14	99	64	125

	Concentration		Concentration
Compounds:	mg/kg (ppm)	Compounds:	mg/kg (ppm)
Phenol	< 0.0054	2,4,6-Trichlorophenol	<0.008
Bis(2-chloroethyl) ether	< 0.0016	2,4,5-Trichlorophenol	< 0.0096
2-Chlorophenol	< 0.0062	2-Chloronaphthalene	< 0.0014
1,3-Dichlorobenzene	< 0.0026	2-Nitroaniline	< 0.0026
1,4-Dichlorobenzene	< 0.0024	Dimethyl phthalate	< 0.0012
1,2-Dichlorobenzene	< 0.004	2,6-Dinitrotoluene	< 0.0018
Benzyl alcohol	0.017	3-Nitroaniline	< 0.017
Bis(2-chloroisopropyl) ether	< 0.0016	2,4-Dinitrophenol	< 0.014
2-Methylphenol	< 0.0064	Dibenzofuran	< 0.001
Hexachloroethane	< 0.0034	2,4-Dinitrotoluene	< 0.0016
N-Nitroso-di-n-propylamine	< 0.003	4-Nitrophenol	< 0.018
3-Methylphenol + 4-Methylphenol	< 0.014	Diethyl phthalate	< 0.004
Nitrobenzene	< 0.0026	4-Chlorophenyl phenyl ether	< 0.0016
Isophorone	< 0.0012	N-Nitrosodiphenylamine	< 0.001
2-Nitrophenol	< 0.0082	4-Nitroaniline	< 0.018
2,4-Dimethylphenol	< 0.019	4,6-Dinitro-2-methylphenol	< 0.011
Benzoic acid	< 0.055	4-Bromophenyl phenyl ether	< 0.0016
Bis(2-chloroethoxy)methane	< 0.0014	Hexachlorobenzene	< 0.001
2,4-Dichlorophenol	< 0.0058	Pentachlorophenol	< 0.0062
1,2,4-Trichlorobenzene	< 0.0034	Carbazole	< 0.002
Hexachlorobutadiene	< 0.002	Di-n-butyl phthalate	< 0.02
4-Chloroaniline	< 0.18	Benzyl butyl phthalate	< 0.0058
4-Chloro-3-methylphenol	< 0.0044	Bis(2-ethylhexyl) phthalate	< 0.013
2-Methylnaphthalene	< 0.001	Di-n-octyl phthalate	< 0.0034
Hexachlorocyclopentadiene	< 0.0022		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EB-28-5.0	Client:	SLR International Corp.
Date Received:	06/10/13	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/18/13	Lab ID:	306147-03 1/20
Date Analyzed:	06/19/13	Data File:	061915.D
Matrix:	Soil	Instrument:	GCMS8
Units:	mg/kg (ppm)	Operator:	ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	79 ds	56	115
Phenol-d6	81 ds	54	113
Nitrobenzene-d5	77 ds	31	164
2-Fluorobiphenyl	80 ds	47	133
2,4,6-Tribromophenol	89 ds	35	141
Terphenyl-d14	98 ds	64	125

	Concentration		Concentration
Compounds:	mg/kg (ppm)	Compounds:	mg/kg (ppm)
Phenol	< 0.11	2,4,6-Trichlorophenol	< 0.16
Bis(2-chloroethyl) ether	< 0.032	2,4,5-Trichlorophenol	< 0.19
2-Chlorophenol	< 0.12	2-Chloronaphthalene	< 0.028
1,3-Dichlorobenzene	< 0.052	2-Nitroaniline	< 0.052
1,4-Dichlorobenzene	< 0.048	Dimethyl phthalate	< 0.024
1,2-Dichlorobenzene	< 0.08	2,6-Dinitrotoluene	< 0.036
Benzyl alcohol	< 0.1	3-Nitroaniline	< 0.35
Bis(2-chloroisopropyl) ether	< 0.032	2,4-Dinitrophenol	< 0.28
2-Methylphenol	< 0.13	Dibenzofuran	< 0.02
Hexachloroethane	< 0.068	2,4-Dinitrotoluene	< 0.032
N-Nitroso-di-n-propylamine	< 0.06	4-Nitrophenol	< 0.36
3-Methylphenol + 4-Methylphenol	< 0.29	Diethyl phthalate	< 0.08
Nitrobenzene	< 0.052	4-Chlorophenyl phenyl ether	< 0.032
Isophorone	< 0.024	N-Nitrosodiphenylamine	< 0.02
2-Nitrophenol	< 0.16	4-Nitroaniline	< 0.36
2,4-Dimethylphenol	< 0.37	4,6-Dinitro-2-methylphenol	< 0.21
Benzoic acid	<1.1	4-Bromophenyl phenyl ether	< 0.032
Bis(2-chloroethoxy)methane	< 0.028	Hexachlorobenzene	< 0.02
2,4-Dichlorophenol	< 0.12	Pentachlorophenol	< 0.12
1,2,4-Trichlorobenzene	< 0.068	Carbazole	< 0.04
Hexachlorobutadiene	< 0.04	Di-n-butyl phthalate	< 0.4
4-Chloroaniline	<3.6	Benzyl butyl phthalate	< 0.12
4-Chloro-3-methylphenol	< 0.088	Bis(2-ethylhexyl) phthalate	< 0.27
2-Methylnaphthalene	< 0.02	Di-n-octyl phthalate	< 0.068
Hexachlorocyclopentadiene	< 0.044		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EB-28-10.0	Client:	SLR International Corp.
Date Received:	06/10/13	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/18/13	Lab ID:	306147-05 1/200
Date Analyzed:	06/21/13	Data File:	062119.D
Matrix:	Soil	Instrument:	GCMS8
Units:	mg/kg (ppm)	Operator:	ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	67 ds	56	115
Phenol-d6	53 ds	54	113
Nitrobenzene-d5	50 ds	31	164
2-Fluorobiphenyl	70 ds	47	133
2,4,6-Tribromophenol	40 ds	35	141
Terphenyl-d14	90 ds	64	125

	Concentration		Concentration
Compounds:	mg/kg (ppm)	Compounds:	mg/kg (ppm)
Phenol	<1.1	2,4,6-Trichlorophenol	<1.6
Bis(2-chloroethyl) ether	< 0.32	2,4,5-Trichlorophenol	< 1.9
2-Chlorophenol	<1.2	2-Chloronaphthalene	< 0.28
1,3-Dichlorobenzene	< 0.52	2-Nitroaniline	< 0.52
1,4-Dichlorobenzene	< 0.48	Dimethyl phthalate	< 0.24
1,2-Dichlorobenzene	< 0.8	2,6-Dinitrotoluene	< 0.36
Benzyl alcohol	<1	3-Nitroaniline	< 3.5
Bis(2-chloroisopropyl) ether	< 0.32	2,4-Dinitrophenol	<2.8
2-Methylphenol	<1.3	Dibenzofuran	< 0.2
Hexachloroethane	< 0.68	2,4-Dinitrotoluene	< 0.32
N-Nitroso-di-n-propylamine	< 0.6	4-Nitrophenol	< 3.6
3-Methylphenol + 4-Methylphenol	<2.9	Diethyl phthalate	< 0.8
Nitrobenzene	< 0.52	4-Chlorophenyl phenyl ether	< 0.32
Isophorone	< 0.24	N-Nitrosodiphenylamine	< 0.2
2-Nitrophenol	<1.6	4-Nitroaniline	< 3.6
2,4-Dimethylphenol	< 3.7	4,6-Dinitro-2-methylphenol	<2.1
Benzoic acid	<11	4-Bromophenyl phenyl ether	< 0.32
Bis(2-chloroethoxy)methane	< 0.28	Hexachlorobenzene	< 0.2
2,4-Dichlorophenol	<1.2	Pentachlorophenol	<1.2
1,2,4-Trichlorobenzene	< 0.68	Carbazole	< 0.4
Hexachlorobutadiene	< 0.4	Di-n-butyl phthalate	<4
4-Chloroaniline	<36	Benzyl butyl phthalate	<1.2
4-Chloro-3-methylphenol	< 0.88	Bis(2-ethylhexyl) phthalate	< 2.7
2-Methylnaphthalene	< 0.2	Di-n-octyl phthalate	< 0.68
Hexachlorocyclopentadiene	< 0.44		

ENVIRONMENTAL CHEMISTS

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		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	72	56	115
Phenol-d6	80	54	113
Nitrobenzene-d5	80	31	164
2-Fluorobiphenyl	82	47	133
2,4,6-Tribromophenol	94	35	141
Terphenyl-d14	102	64	125

	Concentration		Concentration
Compounds:	mg/kg (ppm)	Compounds:	mg/kg (ppm)
Phenol	< 0.0054	2,4,6-Trichlorophenol	<0.008
Bis(2-chloroethyl) ether	< 0.0016	2,4,5-Trichlorophenol	< 0.0096
2-Chlorophenol	< 0.0062	2-Chloronaphthalene	< 0.0014
1,3-Dichlorobenzene	< 0.0026	2-Nitroaniline	< 0.0026
1,4-Dichlorobenzene	< 0.0024	Dimethyl phthalate	< 0.0012
1,2-Dichlorobenzene	< 0.004	2,6-Dinitrotoluene	< 0.0018
Benzyl alcohol	0.016	3-Nitroaniline	< 0.017
Bis(2-chloroisopropyl) ether	< 0.0016	2,4-Dinitrophenol	< 0.014
2-Methylphenol	< 0.0064	Dibenzofuran	< 0.001
Hexachloroethane	< 0.0034	2,4-Dinitrotoluene	< 0.0016
N-Nitroso-di-n-propylamine	< 0.003	4-Nitrophenol	< 0.018
3-Methylphenol + 4-Methylphenol	< 0.014	Diethyl phthalate	< 0.004
Nitrobenzene	< 0.0026	4-Chlorophenyl phenyl ether	< 0.0016
Isophorone	< 0.0012	N-Nitrosodiphenylamine	< 0.001
2-Nitrophenol	< 0.0082	4-Nitroaniline	< 0.018
2,4-Dimethylphenol	< 0.019	4,6-Dinitro-2-methylphenol	< 0.011
Benzoic acid	< 0.055	4-Bromophenyl phenyl ether	< 0.0016
Bis(2-chloroethoxy)methane	< 0.0014	Hexachlorobenzene	< 0.001
2,4-Dichlorophenol	< 0.0058	Pentachlorophenol	< 0.0062
1,2,4-Trichlorobenzene	< 0.0034	Carbazole	< 0.002
Hexachlorobutadiene	< 0.002	Di-n-butyl phthalate	< 0.02
4-Chloroaniline	< 0.18	Benzyl butyl phthalate	< 0.0058
4-Chloro-3-methylphenol	< 0.0044	Bis(2-ethylhexyl) phthalate	< 0.013
2-Methylnaphthalene	< 0.001	Di-n-octyl phthalate	< 0.0034
Hexachlorocyclopentadiene	< 0.0022		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EB-45-5.0	Client:	SLR International Corp.
Date Received:	06/10/13	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/18/13	Lab ID:	306147-11 1/200
Date Analyzed:	06/21/13	Data File:	062120.D
Matrix:	Soil	Instrument:	GCMS8
Units:	mg/kg (ppm)	Operator:	ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	80 ds	56	115
Phenol-d6	73 ds	54	113
Nitrobenzene-d5	60 ds	31	164
2-Fluorobiphenyl	100 ds	47	133
2,4,6-Tribromophenol	67 ds	35	141
Terphenyl-d14	120 ds	64	125

	Concentration		Concentration
Compounds:	mg/kg (ppm)	Compounds:	mg/kg (ppm)
Phenol	<1.1	2,4,6-Trichlorophenol	< 1.6
Bis(2-chloroethyl) ether	< 0.32	2,4,5-Trichlorophenol	< 1.9
2-Chlorophenol	<1.2	2-Chloronaphthalene	< 0.28
1,3-Dichlorobenzene	< 0.52	2-Nitroaniline	< 0.52
1,4-Dichlorobenzene	< 0.48	Dimethyl phthalate	< 0.24
1,2-Dichlorobenzene	< 0.8	2,6-Dinitrotoluene	< 0.36
Benzyl alcohol	<1	3-Nitroaniline	< 3.5
Bis(2-chloroisopropyl) ether	< 0.32	2,4-Dinitrophenol	<2.8
2-Methylphenol	<1.3	Dibenzofuran	< 0.2
Hexachloroethane	< 0.68	2,4-Dinitrotoluene	< 0.32
N-Nitroso-di-n-propylamine	< 0.6	4-Nitrophenol	< 3.6
3-Methylphenol + 4-Methylpheno	01 <2.9	Diethyl phthalate	< 0.8
Nitrobenzene	< 0.52	4-Chlorophenyl phenyl ether	< 0.32
Isophorone	< 0.24	N-Nitrosodiphenylamine	< 0.2
2-Nitrophenol	<1.6	4-Nitroaniline	< 3.6
2,4-Dimethylphenol	<3.7	4,6-Dinitro-2-methylphenol	<2.1
Benzoic acid	<11	4-Bromophenyl phenyl ether	< 0.32
Bis(2-chloroethoxy)methane	< 0.28	Hexachlorobenzene	< 0.2
2,4-Dichlorophenol	<1.2	Pentachlorophenol	<1.2
1,2,4-Trichlorobenzene	< 0.68	Carbazole	< 0.4
Hexachlorobutadiene	< 0.4	Di-n-butyl phthalate	<4
4-Chloroaniline	<36	Benzyl butyl phthalate	<1.2
4-Chloro-3-methylphenol	< 0.88	Bis(2-ethylhexyl) phthalate	<2.7
2-Methylnaphthalene	< 0.2	Di-n-octyl phthalate	< 0.68
Hexachlorocyclopentadiene	< 0.44		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EB-45-10.0	Client:	SLR International Corp.
Date Received:	06/10/13	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/18/13	Lab ID:	306147-13
Date Analyzed:	06/22/13	Data File:	062133.D
Matrix:	Soil	Instrument:	GCMS8
Units:	mg/kg (ppm)	Operator:	ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	73	56	115
Phenol-d6	78	54	113
Nitrobenzene-d5	81	31	164
2-Fluorobiphenyl	75	47	133
2,4,6-Tribromophenol	101	35	141
Terphenyl-d14	107	64	125

	Concentration		Concentration
Compounds:	mg/kg (ppm)	Compounds:	mg/kg (ppm)
Phenol	< 0.0054	2,4,6-Trichlorophenol	< 0.008
Bis(2-chloroethyl) ether	< 0.0016	2,4,5-Trichlorophenol	< 0.0096
2-Chlorophenol	< 0.0062	2-Chloronaphthalene	< 0.0014
1,3-Dichlorobenzene	< 0.0026	2-Nitroaniline	< 0.0026
1,4-Dichlorobenzene	< 0.0024	Dimethyl phthalate	0.0028
1,2-Dichlorobenzene	< 0.004	2,6-Dinitrotoluene	< 0.0018
Benzyl alcohol	0.025	3-Nitroaniline	< 0.017
Bis(2-chloroisopropyl) ether	< 0.0016	2,4-Dinitrophenol	< 0.014
2-Methylphenol	< 0.0064	Dibenzofuran	0.0070
Hexachloroethane	< 0.0034	2,4-Dinitrotoluene	< 0.0016
N-Nitroso-di-n-propylamine	< 0.003	4-Nitrophenol	< 0.018
3-Methylphenol + 4-Methylpheno	ol <0.014	Diethyl phthalate	< 0.004
Nitrobenzene	< 0.0026	4-Chlorophenyl phenyl ether	< 0.0016
Isophorone	< 0.0012	N-Nitrosodiphenylamine	< 0.001
2-Nitrophenol	< 0.0082	4-Nitroaniline	< 0.018
2,4-Dimethylphenol	< 0.019	4,6-Dinitro-2-methylphenol	< 0.011
Benzoic acid	< 0.055	4-Bromophenyl phenyl ether	< 0.0016
Bis(2-chloroethoxy)methane	< 0.0014	Hexachlorobenzene	< 0.001
2,4-Dichlorophenol	< 0.0058	Pentachlorophenol	< 0.0062
1,2,4-Trichlorobenzene	< 0.0034	Carbazole	0.019
Hexachlorobutadiene	< 0.002	Di-n-butyl phthalate	< 0.02
4-Chloroaniline	< 0.18	Benzyl butyl phthalate	< 0.0058
4-Chloro-3-methylphenol	< 0.0044	Bis(2-ethylhexyl) phthalate	0.15 fc
2-Methylnaphthalene	0.0042	Di-n-octyl phthalate	< 0.0034
Hexachlorocyclopentadiene	< 0.0022		

ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix: Units:	EB-40-1.0 06/10/13 06/18/13 06/21/13 Soil mg/kg (ppm)		Client: Project: Lab ID: Data File: Instrument: Operator:	SLR International Corp. Crowley RIFS 101.00205.00019 306147-15 1/400 062121.D GCMS8 ya
Surrogates: 2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromophen Terphenyl-d14	nol	% Recovery: 54 ds 54 ds 60 ds 60 ds 14 ds 100 ds	Lower Limit: 56 54 31 47 35 64	Upper Limit: 115 113 164 133 141

	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Phenol	<2.2	2,4,6-Trichlorophenol	<3.2
Bis(2-chloroethyl) ether	< 0.64	2,4,5-Trichlorophenol	<3.8
2-Chlorophenol	<2.5	2-Chloronaphthalene	< 0.56
1,3-Dichlorobenzene	<1	2-Vitroaniline	<1
1,4-Dichlorobenzene	<0.96	Dimethyl phthalate	<0.48
1,2-Dichlorobenzene	<1.6	2,6-Dinitrotoluene	< 0.72
Benzyl alcohol	<2	3-Nitroaniline	<7
Bis(2-chloroisopropyl) ether	< 0.64	2,4-Dinitrophenol	<5.5
2-Methylphenol	<2.6	Dibenzofuran	< 0.4
Hexachloroethane	<1.4	2,4-Dinitrotoluene	< 0.64
N-Nitroso-di-n-propylamine	<1.2	4-Nitrophenol	<7.1
3-Methylphenol + 4-Methylphenol	<5.8	Diethyl phthalate	<1.6
Nitrobenzene	<1	4-Chlorophenyl phenyl ether	< 0.64
Isophorone	<0.48	N-Nitrosodiphenylamine	< 0.4
2-Nitrophenol	<3.3	4-Nitrosodiphenylamile	<7.3
2,4-Dimethylphenol	<7.4	4,6-Dinitro-2-methylphenol	<4.2
Benzoic acid	<22	4-Bromophenyl phenyl ether	< 0.64
Bis(2-chloroethoxy)methane	< 0.56	Hexachlorobenzene	< 0.4
2,4-Dichlorophenol	<2.3	Pentachlorophenol	<2.5
1,2,4-Trichlorobenzene	<1.4	Carbazole	<0.8
Hexachlorobutadiene	<0.8	Di-n-butyl phthalate	<0.8 <8
4-Chloroaniline	<71	Benzyl butyl phthalate	<2.3
4-Chloro-3-methylphenol	<1.8		<2.3 <5.4
2-Methylnaphthalene	<0.4	Bis(2-ethylhexyl) phthalate Di-n-octyl phthalate	<1.4
Hexachlorocyclopentadiene	<0.4	Di-11-octyr phthalate	\1.4

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EB-40-5.0	Client:	SLR International Corp.
Date Received:	06/10/13	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/18/13	Lab ID:	306147-17 1/20
Date Analyzed:	06/21/13	Data File:	062122.D
Matrix:	Soil	Instrument:	GCMS8
Units:	mg/kg (ppm)	Operator:	ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	78 ds $^{\circ}$	56	115
Phenol-d6	89 ds	54	113
Nitrobenzene-d5	82 ds	31	164
2-Fluorobiphenyl	95 ds	47	133
2,4,6-Tribromophenol	94 ds	35	141
Terphenyl-d14	123 ds	64	125

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Phenol	< 0.11	2,4,6-Trichlorophenol	< 0.16
Bis(2-chloroethyl) ether	< 0.032	2,4,5-Trichlorophenol	< 0.19
2-Chlorophenol	<0.12	2-Chloronaphthalene	< 0.028
1,3-Dichlorobenzene	< 0.052	2-Nitroaniline	< 0.052
1,4-Dichlorobenzene	< 0.048	Dimethyl phthalate	< 0.024
1,2-Dichlorobenzene	< 0.08	2,6-Dinitrotoluene	< 0.036
Benzyl alcohol	< 0.1	3-Nitroaniline	< 0.35
Bis(2-chloroisopropyl) ether	< 0.032	2,4-Dinitrophenol	< 0.28
2-Methylphenol	< 0.13	Dibenzofuran	0.25
Hexachloroethane	< 0.068	2,4-Dinitrotoluene	< 0.032
N-Nitroso-di-n-propylamine	< 0.06	4-Nitrophenol	< 0.36
3-Methylphenol + 4-Methylphenol	<0.29	Diethyl phthalate	< 0.08
Nitrobenzene	< 0.052	4-Chlorophenyl phenyl ether	< 0.032
Isophorone	< 0.024	N-Nitrosodiphenylamine	< 0.02
2-Nitrophenol	< 0.16	4-Nitroaniline	< 0.36
2,4-Dimethylphenol	< 0.37	4,6-Dinitro-2-methylphenol	< 0.21
Benzoic acid	<1.1	4-Bromophenyl phenyl ether	< 0.032
Bis(2-chloroethoxy)methane	< 0.028	Hexachlorobenzene	< 0.02
2,4-Dichlorophenol	< 0.12	Pentachlorophenol	< 0.12
1,2,4-Trichlorobenzene	< 0.068	Carbazole	0.33
Hexachlorobutadiene	< 0.04	Di-n-butyl phthalate	< 0.4
4-Chloroaniline	< 3.6	Benzyl butyl phthalate	< 0.12
4-Chloro-3-methylphenol	< 0.088	Bis(2-ethylhexyl) phthalate	< 0.27
2-Methylnaphthalene	0.069	Di-n-octyl phthalate	< 0.068
Hexachlorocyclopentadiene	< 0.044		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EB-40-10.0	Client:	SLR International Corp.
Date Received:	06/10/13	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/18/13	Lab ID:	306147-19
Date Analyzed:	06/21/13	Data File:	062114.D
Matrix:	Soil	Instrument:	GCMS8
Units:	mg/kg (ppm)	Operator:	ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	65 °	56	115
Phenol-d6	66	54	113
Nitrobenzene-d5	71	31	164
2-Fluorobiphenyl	76	47	133
2,4,6-Tribromophenol	82	35	141
Terphenyl-d14	81	64	125

	Concentration		Concentration
Compounds:	mg/kg (ppm)	Compounds:	mg/kg (ppm)
Phenol	< 0.0054	2,4,6-Trichlorophenol	< 0.008
Bis(2-chloroethyl) ether	< 0.0016	2,4,5-Trichlorophenol	< 0.0096
2-Chlorophenol	< 0.0062	2-Chloronaphthalene	< 0.0014
1,3-Dichlorobenzene	< 0.0026	2-Nitroaniline	< 0.0026
1,4-Dichlorobenzene	< 0.0024	Dimethyl phthalate	< 0.0012
1,2-Dichlorobenzene	< 0.004	2,6-Dinitrotoluene	< 0.0018
Benzyl alcohol	0.0095	3-Nitroaniline	< 0.017
Bis(2-chloroisopropyl) ether	< 0.0016	2,4-Dinitrophenol	< 0.014
2-Methylphenol	< 0.0064	Dibenzofuran	< 0.001
Hexachloroethane	< 0.0034	2,4-Dinitrotoluene	< 0.0016
N-Nitroso-di-n-propylamine	< 0.003	4-Nitrophenol	< 0.018
3-Methylphenol + 4-Methylphenol	< 0.014	Diethyl phthalate	< 0.004
Nitrobenzene	< 0.0026	4-Chlorophenyl phenyl ether	< 0.0016
Isophorone	< 0.0012	N-Nitrosodiphenylamine	< 0.001
2-Nitrophenol	< 0.0082	4-Nitroaniline	< 0.018
2,4-Dimethylphenol	< 0.019	4,6-Dinitro-2-methylphenol	< 0.011
Benzoic acid	< 0.055	4-Bromophenyl phenyl ether	< 0.0016
Bis(2-chloroethoxy)methane	< 0.0014	Hexachlorobenzene	< 0.001
2,4-Dichlorophenol	< 0.0058	Pentachlorophenol	< 0.0062
1,2,4-Trichlorobenzene	< 0.0034	Carbazole	< 0.002
Hexachlorobutadiene	< 0.002	Di-n-butyl phthalate	< 0.02
4-Chloroaniline	< 0.18	Benzyl butyl phthalate	< 0.0058
4-Chloro-3-methylphenol	< 0.0044	Bis(2-ethylhexyl) phthalate	< 0.013
2-Methylnaphthalene	< 0.001	Di-n-octyl phthalate	< 0.0034
Hexachlorocyclopentadiene	< 0.0022		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EB-47-1.0	Client:	SLR International Corp.
Date Received:	06/10/13	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/18/13	Lab ID:	306147-21 1/20
Date Analyzed:	06/21/13	Data File:	062117.D
Matrix:	Soil	Instrument:	GCMS8
Units:	mg/kg (ppm)	Operator:	ya
		7	* *

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	76 ds	56	115
Phenol-d6	77 ds	54	113
Nitrobenzene-d5	82 ds	31	164
2-Fluorobiphenyl	90 ds	47	133
2,4,6-Tribromophenol	76 ds	35	141
Terphenyl-d14	127 ds	64	125

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
-		•	
Phenol	< 0.11	2,4,6-Trichlorophenol	< 0.16
Bis(2-chloroethyl) ether	< 0.032	2,4,5-Trichlorophenol	< 0.19
2-Chlorophenol	< 0.12	2-Chloronaphthalene	< 0.028
1,3-Dichlorobenzene	< 0.052	2-Nitroaniline	< 0.052
1,4-Dichlorobenzene	< 0.048	Dimethyl phthalate	< 0.024
1,2-Dichlorobenzene	< 0.08	2,6-Dinitrotoluene	< 0.036
Benzyl alcohol	< 0.1	3-Nitroaniline	< 0.35
Bis(2-chloroisopropyl) ether	< 0.032	2,4-Dinitrophenol	< 0.28
2-Methylphenol	< 0.13	Dibenzofuran	< 0.02
Hexachloroethane	< 0.068	2,4-Dinitrotoluene	< 0.032
N-Nitroso-di-n-propylamine	< 0.06	4-Nitrophenol	< 0.36
3-Methylphenol + 4-Methylphenol	<0.29	Diethyl phthalate	< 0.08
Nitrobenzene	< 0.052	4-Chlorophenyl phenyl ether	< 0.032
Isophorone	< 0.024	N-Nitrosodiphenylamine	< 0.02
2-Nitrophenol	< 0.16	4-Nitroaniline	< 0.36
2,4-Dimethylphenol	< 0.37	4,6-Dinitro-2-methylphenol	< 0.21
Benzoic acid	<1.1	4-Bromophenyl phenyl ether	< 0.032
Bis(2-chloroethoxy)methane	< 0.028	Hexachlorobenzene	< 0.02
2,4-Dichlorophenol	< 0.12	Pentachlorophenol	< 0.12
1,2,4-Trichlorobenzene	< 0.068	Carbazole	< 0.04
Hexachlorobutadiene	< 0.04	Di-n-butyl phthalate	< 0.4
4-Chloroaniline	< 3.6	Benzyl butyl phthalate	< 0.12
4-Chloro-3-methylphenol	< 0.088	Bis(2-ethylhexyl) phthalate	< 0.27
2-Methylnaphthalene	< 0.02	Di-n-octyl phthalate	< 0.068
Hexachlorocyclopentadiene	< 0.044		

ENVIRONMENTAL CHEMISTS

Client Sample ID:	EB-47-5.0	Client:	SLR International Corp.
Date Received:	06/10/13	Project:	Crowley RIFS 101.00205.00019
Date Extracted:	06/18/13	Lab ID:	306147-23 1/20
Date Analyzed:	06/21/13	Data File:	062118.D
Matrix:	Soil	Instrument:	GCMS8
Units:	mg/kg (ppm)	Operator:	ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	79 ds $^{\circ}$	56	115
Phenol-d6	80 ds	54	113
Nitrobenzene-d5	74 ds	31	164
2-Fluorobiphenyl	87 ds	47	133
2,4,6-Tribromophenol	81 ds	35	141
Terphenyl-d14	104 ds	64	125

Concentration			Concentration
Compounds:	mg/kg (ppm)	Compounds:	mg/kg (ppm)
Phenol	< 0.11	2,4,6-Trichlorophenol	< 0.16
Bis(2-chloroethyl) ether	< 0.032	2,4,5-Trichlorophenol	< 0.19
2-Chlorophenol	< 0.12	2-Chloronaphthalene	< 0.028
1,3-Dichlorobenzene	< 0.052	2-Nitroaniline	< 0.052
1,4-Dichlorobenzene	< 0.048	Dimethyl phthalate	< 0.024
1,2-Dichlorobenzene	< 0.08	2,6-Dinitrotoluene	< 0.036
Benzyl alcohol	< 0.1	3-Nitroaniline	< 0.35
Bis(2-chloroisopropyl) ether	< 0.032	2,4-Dinitrophenol	< 0.28
2-Methylphenol	< 0.13	Dibenzofuran	0.026
Hexachloroethane	< 0.068	2,4-Dinitrotoluene	< 0.032
N-Nitroso-di-n-propylamine	< 0.06	4-Nitrophenol	< 0.36
3-Methylphenol + 4-Methylphenol	< 0.29	Diethyl phthalate	< 0.08
Nitrobenzene	< 0.052	4-Chlorophenyl phenyl ether	< 0.032
Isophorone	< 0.024	N-Nitrosodiphenylamine	< 0.02
2-Nitrophenol	< 0.16	4-Nitroaniline	< 0.36
2,4-Dimethylphenol	< 0.37	4,6-Dinitro-2-methylphenol	< 0.21
Benzoic acid	<1.1	4-Bromophenyl phenyl ether	< 0.032
Bis(2-chloroethoxy)methane	< 0.028	Hexachlorobenzene	< 0.02
2,4-Dichlorophenol	< 0.12	Pentachlorophenol	< 0.12
1,2,4-Trichlorobenzene	< 0.068	Carbazole	0.046
Hexachlorobutadiene	< 0.04	Di-n-butyl phthalate	< 0.4
4-Chloroaniline	< 3.6	Benzyl butyl phthalate	< 0.12
4-Chloro-3-methylphenol	< 0.088	Bis(2-ethylhexyl) phthalate	< 0.27
2-Methylnaphthalene	< 0.02	Di-n-octyl phthalate	< 0.068
Hexachlorocyclopentadiene	< 0.044		

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D $\,$

EB-47-10.0	Client:	SLR International Corp.
06/10/13	Project:	Crowley RIFS 101.00205.00019
06/18/13	Lab ID:	306147-25
06/21/13	Data File:	062115.D
Soil	Instrument:	GCMS8
mg/kg (ppm)	Operator:	ya
	06/10/13 06/18/13 06/21/13 Soil	06/10/13 Project: 06/18/13 Lab ID: 06/21/13 Data File: Soil Instrument:

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	64	56	115
Phenol-d6	73	54	113
Nitrobenzene-d5	72	31	164
2-Fluorobiphenyl	72	47	133
2,4,6-Tribromophenol	89	35	141
Terphenyl-d14	82	64	125

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Compounds.	mg/kg (ppm)	Compounds.	mg/kg (ppm)
Phenol	< 0.0054	2,4,6-Trichlorophenol	< 0.008
Bis(2-chloroethyl) ether	< 0.0016	2,4,5-Trichlorophenol	< 0.0096
2-Chlorophenol	< 0.0062	2-Chloronaphthalene	< 0.0014
1,3-Dichlorobenzene	< 0.0026	2-Nitroaniline	< 0.0026
1,4-Dichlorobenzene	< 0.0024	Dimethyl phthalate	< 0.0012
1,2-Dichlorobenzene	< 0.004	2,6-Dinitrotoluene	< 0.0018
Benzyl alcohol	0.016	3-Nitroaniline	< 0.017
Bis(2-chloroisopropyl) ether	< 0.0016	2,4-Dinitrophenol	< 0.014
2-Methylphenol	< 0.0064	Dibenzofuran	< 0.001
Hexachloroethane	< 0.0034	2,4-Dinitrotoluene	< 0.0016
N-Nitroso-di-n-propylamine	< 0.003	4-Nitrophenol	< 0.018
3-Methylphenol + 4-Methylphenol	< 0.014	Diethyl phthalate	< 0.004
Nitrobenzene	< 0.0026	4-Chlorophenyl phenyl ether	< 0.0016
Isophorone	< 0.0012	N-Nitrosodiphenylamine	< 0.001
2-Nitrophenol	< 0.0082	4-Nitroaniline	< 0.018
2,4-Dimethylphenol	< 0.019	4,6-Dinitro-2-methylphenol	< 0.011
Benzoic acid	< 0.055	4-Bromophenyl phenyl ether	< 0.0016
Bis(2-chloroethoxy)methane	< 0.0014	Hexachlorobenzene	< 0.001
2,4-Dichlorophenol	< 0.0058	Pentachlorophenol	< 0.0062
1,2,4-Trichlorobenzene	< 0.0034	Carbazole	< 0.002
Hexachlorobutadiene	< 0.002	Di-n-butyl phthalate	< 0.02
4-Chloroaniline	< 0.18	Benzyl butyl phthalate	< 0.0058
4-Chloro-3-methylphenol	< 0.0044	Bis(2-ethylhexyl) phthalate	< 0.013
2-Methylnaphthalene	< 0.001	Di-n-octyl phthalate	< 0.0034
Hexachlorocyclopentadiene	< 0.0022		

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method $8270\mathrm{D}$

Client Sample ID: Date Received:	Method Blank N/A	Client: Project:	SLR International Corp. Crowley RIFS 101.00205.00019
Date Extracted:	06/18/13	Lab ID:	03-1182 mb
Date Analyzed:	06/19/13	Data File:	061905.D
Matrix:	Soil	Instrument:	GCMS8
Units:	mg/kg (ppm)	Operator:	ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
2-Fluorophenol	82	56	115
Phenol-d6	93	54	113
Nitrobenzene-d5	92	31	164
2-Fluorobiphenyl	91	47	133
2,4,6-Tribromophenol	97	35	141
Terphenyl-d14	97	64	125

	Concentration		Concentration
Compounds:	mg/kg (ppm)	Compounds:	mg/kg (ppm)
Phenol	< 0.0054	2,4,6-Trichlorophenol	< 0.008
Bis(2-chloroethyl) ether	< 0.0016	2,4,5-Trichlorophenol	< 0.0096
2-Chlorophenol	< 0.0062	2-Chloronaphthalene	< 0.0014
1,3-Dichlorobenzene	< 0.0026	2-Nitroaniline	< 0.0026
1,4-Dichlorobenzene	< 0.0024	Dimethyl phthalate	< 0.0012
1,2-Dichlorobenzene	< 0.004	2,6-Dinitrotoluene	< 0.0018
Benzyl alcohol	< 0.005	3-Nitroaniline	< 0.017
Bis(2-chloroisopropyl) ether	< 0.0016	2,4-Dinitrophenol	< 0.014
2-Methylphenol	< 0.0064	Dibenzofuran	< 0.001
Hexachloroethane	< 0.0034	2,4-Dinitrotoluene	< 0.0016
N-Nitroso-di-n-propylamine	< 0.003	4-Nitrophenol	< 0.018
3-Methylphenol + 4-Methylpheno	0.014	Diethyl phthalate	< 0.004
Nitrobenzene	< 0.0026	4-Chlorophenyl phenyl ether	< 0.0016
Isophorone	< 0.0012	N-Nitrosodiphenylamine	< 0.001
2-Nitrophenol	< 0.0082	4-Nitroaniline	< 0.018
2,4-Dimethylphenol	< 0.019	4,6-Dinitro-2-methylphenol	< 0.011
Benzoic acid	< 0.055	4-Bromophenyl phenyl ether	< 0.0016
Bis(2-chloroethoxy)methane	< 0.0014	Hexachlorobenzene	< 0.001
2,4-Dichlorophenol	< 0.0058	Pentachlorophenol	< 0.0062
1,2,4-Trichlorobenzene	< 0.0034	Carbazole	< 0.002
Hexachlorobutadiene	< 0.002	Di-n-butyl phthalate	< 0.02
4-Chloroaniline	< 0.18	Benzyl butyl phthalate	< 0.0058
4-Chloro-3-methylphenol	< 0.0044	Bis(2-ethylhexyl) phthalate	< 0.013
2-Methylnaphthalene	< 0.001	Di-n-octyl phthalate	< 0.0034
Hexachlorocyclopentadiene	< 0.0022	•	

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D

Client Sample ID: Date Received:	EB-45-12.5 06/10/13
Date Extracted:	06/24/13
Date Analyzed:	06/26/13
Matrix:	Soil
Units:	mg/kg (ppm)

Client: Project: Lab ID: Data File:	SLR International Corp. Crowley RIFS 101.00205.00019 306147-14 1/10 062615.D
Instrument:	GCMS8
Operator:	ya
-	

Lower	Upper
Limit:	Lîmit:
56	115
54	113
31	164
47	133
35	141
64	125
	Limit: 56 54 31 47 35

Concentration mg/kg (ppm)

2-Methylphenol <0.064
Bis(2-ethylhexyl) phthalate <0.13

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D

Client Sample ID: Method Blank
Date Received: N/A
Date Extracted: 06/24/13
Date Analyzed: 06/25/13
Matrix: Soil
Units: mg/kg (ppm)

Client: SLR International Corp.
Project: Crowley RIFS 101.00205.00019
Lab ID: 03-1236 mb
Data File: 062506.D
Instrument: GCMS8
Operator: ya

	Lower	Upper
% Recovery:	Limit:	Limit:
79	56	115
88	54	113
92	31	164
90	47	133
96	35	141
95	64	125
	79 88 92 90 96	% Recovery: Limit: 79 56 88 54 92 31 90 47 96 35

Concentration mg/kg (ppm)

2-Methylphenol <0.0064
Bis(2-ethylhexyl) phthalate <0.013

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	EB-28-1.0
Date Received:	06/10/13
Date Extracted:	06/18/13
Date Analyzed:	06/19/13
Matrix:	Soil
I Inite	ma/ka (nnm)

Units:	mg/kg	(ppm)

Client:	
Project:	
Lab ID:	
Data File:	

SLR International Corp. Crowley RIFS 101.00205.00019 306147-01

061912.D GCMS6 Instrument: Operator: ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	99	50	150
Benzo(a)anthracene-d12	138	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	0.00031
Acenaphthylene	0.00032
Acenaphthene	0.00022
Fluorene	0.00022
Phenanthrene	0.0013
Anthracene	0.0019
Fluoranthene	0.0021
Pyrene	0.0028
Benz(a)anthracene	0.0015
Chrysene	0.0051
Benzo(a)pyrene	0.0026
Benzo(b)fluoranthene	0.0043
Benzo(k)fluoranthene	0.0010
Indeno(1,2,3-cd)pyrene	0.0035
Dibenz(a,h)anthracene	0.00090
Benzo(g,h,i)perylene	0.0038

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: EB-28-5.0 Date Received: 06/10/13 Date Extracted: 06/18/13 Date Analyzed: 06/23/13 Matrix: Soil

Units: mg/kg (ppm) Client:

SLR International Corp.

Crowley RIFS 101.00205.00019 Project: 306147-03 1/10

Lab ID: Data File: Instrument: Operator:

062229.D GCMS6

VM

Lower Upper Limit: Surrogates: % Recovery: Limit: Anthracene-d10 95 ds 50 150 Benzo(a)anthracene-d12 94 ds 35 159

Concentration Compounds: mg/kg (ppm) Naphthalene < 0.0022 Acenaphthylene 0.0010 Acenaphthene 0.0039 Fluorene 0.010 Phenanthrene 0.050 Anthracene 0.050 Fluoranthene 0.17 Pyrene 0.19 Benz(a)anthracene 0.087 Chrysene 0.10Benzo(a)pyrene 0.072 Benzo(b)fluoranthene 0.11 Benzo(k)fluoranthene 0.032 Indeno(1,2,3-cd)pyrene 0.049 Dibenz(a,h)anthracene 0.012 Benzo(g,h,i)perylene 0.042

ENVIRONMENTAL CHEMISTS

Client:

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: EB-28-10.0
Date Received: 06/10/13
Date Extracted: 06/18/13
Date Analyzed: 07/15/13
Matrix: Soil
Units: mg/kg (ppm)

Project: Crowley RIFS 101.00205.00019
Lab ID: 306147-05 1/20
Data File: 071509.D
Instrument: GCMS6
Operator: VM

SLR International Corp.

Surrogates: Anthracene-d10	% Recovery: 125 ds	Lower Limit: 50	Upper Limit: 150
Benzo(a)anthracene-d12	131 ds	35	159

	Concentration
Compounds:	mg/kg (ppm)
Naphthalene	< 0.0044
Acenaphthylene	< 0.0018
Acenaphthene	< 0.0028
Fluorene	< 0.003
Phenanthrene	< 0.0064
Anthracene	< 0.0018
Fluoranthene	< 0.0056
Pyrene	< 0.0052
Benz(a)anthracene	< 0.0036
Chrysene	< 0.0038
Benzo(a)pyrene	< 0.0044
Benzo(b)fluoranthene	< 0.0036
Benzo(k)fluoranthene	< 0.0072
Indeno(1,2,3-cd)pyrene	< 0.012
Dibenz(a,h)anthracene	< 0.0068
Benzo(g,h,i)perylene	0.012

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

< 0.00034

Client Sample ID: EB-45-1.0 Date Received: 06/10/13 06/18/13 Date Extracted: Date Analyzed: 06/19/13 Matrix: Soil

Units: mg/kg (ppm)

Benzo(g,h,i)perylene

Client:

SLR International Corp.

Project: Lab ID: Crowley RIFS 101.00205.00019

Data File: Instrument:

306147-09 061909.D GCMS6

Operator: ya

Surrogates: % Recovery: Anthracene-d10 94 104 Benzo(a)anthracene-d12

Lower Limit: 50 35

Upper Limit: 150 159

Concentration Compounds: mg/kg (ppm) Naphthalene < 0.00022 Acenaphthylene < 0.000091 Acenaphthene < 0.00014 Fluorene < 0.00015 Phenanthrene < 0.00032 Anthracene 0.00051 Fluoranthene < 0.00028 Pyrene < 0.00026 Benz(a)anthracene < 0.00018 Chrysene 0.0016 Benzo(a)pyrene < 0.00022 Benzo(b)fluoranthene 0.00023 Benzo(k)fluoranthene < 0.00036 Indeno(1,2,3-cd)pyrene < 0.00062 Dibenz(a,h)anthracene < 0.00034

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: EB-45-5.0 Date Received: 06/10/13 Date Extracted: 06/18/13 Date Analyzed: 06/19/13 Matrix: Soil

Units: mg/kg (ppm)

Client: Project: Lab ID: SLR International Corp.

Crowley RIFS 101.00205.00019 306147-11 1/200

Data File: Instrument: Operator:

061914.D

ya

GCMS6

_		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	393 ds [*]	50	150
Benzo(a)anthracene-d12	217 ds	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	0.10
Acenaphthylene	0.022
Acenaphthene	0.62
Fluorene	0.59
Phenanthrene	4.3
Anthracene	1.4
Fluoranthene	4.5
Pyrene	4.5
Benz(a)anthracene	1.9
Chrysene	2.3
Benzo(a)pyrene	1.9
Benzo(b)fluoranthene	2.1
Benzo(k)fluoranthene	0.82
Indeno(1,2,3-cd)pyrene	1.2
Dibenz(a,h)anthracene	0.30
Benzo(g,h,i)perylene	1.1

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: EB-45-10.0
Date Received: 06/10/13
Date Extracted: 06/18/13
Date Analyzed: 06/19/13
Matrix: Soil

Units: mg/kg (ppm)

Client: Project:

SLR International Corp.

Crowley RIFS 101.00205.00019

 Lab ID:
 306147-13 1/10

 Data File:
 061919.D

 Instrument:
 GCMS6

Operator: ya

Surrogates: % Recovery:
Anthracene-d10 171 ds
Benzo(a)anthracene-d12 133 ds

Lower Limit: 50 35 Upper Limit: 150 159

	Concentration
Compounds:	mg/kg (ppm)
Compounds.	mg/kg (phin)
Naphthalene	0.0047
Acenaphthylene	0.011
Acenaphthene	0.0089
Fluorene	0.011
Phenanthrene	0.15
Anthracene	0.17
Fluoranthene	0.47
Pyrene	0.52
Benz(a)anthracene	0.35
Chrysene	0.86 ve
Benzo(a)pyrene	0.55
Benzo(b)fluoranthene	0.64
Benzo(k)fluoranthene	0.25
Indeno(1,2,3-cd)pyrene	0.42
Dibenz(a,h)anthracene	0.099
Benzo(g,h,i)perylene	0.45

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: EB-45-10.0 Date Received: 06/10/13 Date Extracted: 06/18/13 Date Analyzed: 06/23/13 Matrix: Soil Units:

mg/kg (ppm)

Client: Project: SLR International Corp.

Crowley RIFS 101.00205.00019

Lab ID: Data File: Instrument:

Operator:

306147-13 1/100

062230.D GCMS6 VM

Surrogates:	% Recovery:
Anthracene-d10	343 ds $^{\circ}$
Benzo(a)anthracene-d12	141 ds

Lower	Upper Limit:
Limit:	Limit:
50	150
35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	< 0.022
Acenaphthylene	< 0.0091
Acenaphthene	< 0.014
Fluorene	< 0.015
Phenanthrene	0.15
Anthracene	0.16
Fluoranthene	0.48
Pyrene	0.53
Benz(a)anthracene	0.35
Chrysene	0.83
Benzo(a)pyrene	0.55
Benzo(b)fluoranthene	0.66
Benzo(k)fluoranthene	0.22
Indeno(1,2,3-cd)pyrene	0.48
Dibenz(a,h)anthracene	0.11
Benzo(g,h,i)perylene	0.51

ENVIRONMENTAL CHEMISTS

Client:

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: EB-40-1.0
Date Received: 06/10/13
Date Extracted: 06/18/13
Date Analyzed: 06/23/13
Matrix: Soil
Units: mg/kg (ppm)

Project: Crowley RIFS 101.00205.00019
Lab ID: 306147-15 1/200
Data File: 062234.D
Instrument: GCMS6
Operator: VM

SLR International Corp.

	Lower	Upper
% Recovery:	Limit:	Limit:
380 ds "	50	150
262 ds	35	159
	380 ds "	% Recovery: Limit: 380 ds 50

Compounds:	Concentration mg/kg (ppm)
Naphthalene	< 0.044
Acenaphthylene	< 0.018
Acenaphthene	0.039
Fluorene	< 0.03
Phenanthrene	0.16
Anthracene	< 0.018
Fluoranthene	< 0.056
Pyrene	0.085
Benz(a)anthracene	0.047
Chrysene	0.096
Benzo(a)pyrene	< 0.044
Benzo(b)fluoranthene	0.068
Benzo(k)fluoranthene	< 0.072
Indeno(1,2,3-cd)pyrene	< 0.12
Dibenz(a,h)anthracene	< 0.068
Benzo(g,h,i)perylene	< 0.068

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: EB-40-5.0
Date Received: 06/10/13
Date Extracted: 06/18/13
Date Analyzed: 06/19/13
Matrix: Soil
Units: mg/kg (ppm)

Client: Project: Lab ID: Data File:

SLR International Corp.

Crowley RIFS 101.00205.00019 306147-17 1/20

Lab ID: 306147-17 Data File: 061915.D Instrument: GCMS6 Operator: ya

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	114 ds	50	150
Benzo(a)anthracene-d12	148 ds	35	159

	Concentration
Compounds:	mg/kg (ppm)
Naphthalene	0.026
Acenaphthylene	0.015
Acenaphthene	0.12
Fluorene	0.14
Phenanthrene	1.3
Anthracene	2.4 ve
Fluoranthene	4.8 ve
Pyrene	4.5 ve
Benz(a)anthracene	2.3 ve
Chrysene	2.9 ve
Benzo(a)pyrene	1.5 ve
Benzo(b)fluoranthene	2.1 ve
Benzo(k)fluoranthene	0.74
Indeno(1,2,3-cd)pyrene	0.76
Dibenz(a,h)anthracene	0.23
Benzo(g,h,i)perylene	0.63

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: EB-40-5.0 Date Received: 06/10/13 Date Extracted: 06/18/13 06/24/13 Date Analyzed: Matrix: Soil

Units: mg/kg (ppm)

Surrogates:

Anthracene-d10

Client: Project: Lab ID: SLR International Corp.

Crowley RIFS 101.00205.00019 306147-17 1/200

Data File: Instrument: Operator: VM

062406.D GCMS6

Lower Upper % Recovery: Limit: Limit: 479 ds 144 ds 150 50 Benzo(a)anthracene-d12 35 159

Concentration Compounds: mg/kg (ppm) Naphthalene < 0.044 Acenaphthylene < 0.018 Acenaphthene 0.12 Fluorene 0.13 Phenanthrene 1.2 Anthracene 2.3 Fluoranthene 5.1 Pyrene 4.8 Benz(a) anthracene 2.1 Chrysene 3.1 Benzo(a)pyrene 1.4Benzo(b)fluoranthene 2.1 Benzo(k)fluoranthene 0.61 Indeno(1,2,3-cd)pyrene 0.68 Dibenz(a,h)anthracene 0.19 Benzo(g,h,i)perylene 0.61

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: EB-40-10.0
Date Received: 06/10/13
Date Extracted: 06/18/13
Date Analyzed: 06/19/13
Matrix: Soil

Units: mg/kg (ppm)

Client: Project: SLR International Corp.

ject: Crowley RIFS 101.00205.00019 o ID: 306147-19

Lab ID: 306147-19
Data File: 061910.D
Instrument: GCMS6

Operator: ya

Surrogates: Kecovery: Limit: Limit: Anthracene-d10 83 50 150 Benzo(a)anthracene-d12 91 35 159

Concentration Compounds: mg/kg (ppm) Naphthalene < 0.00022 Acenaphthylene < 0.000091 Acenaphthene < 0.00014 Fluorene < 0.00015 Phenanthrene 0.00040 Anthracene < 0.000088 Fluoranthene < 0.00028 Pyrene < 0.00026 Benz(a)anthracene < 0.00018 Chrysene < 0.00019 Benzo(a)pyrene < 0.00022 Benzo(b)fluoranthene < 0.00018 Benzo(k)fluoranthene < 0.00036 Indeno(1,2,3-cd)pyrene < 0.00062 Dibenz(a,h)anthracene < 0.00034 Benzo(g,h,i)perylene < 0.00034

ENVIRONMENTAL CHEMISTS

Client:

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: EB-47-1.0
Date Received: 06/10/13
Date Extracted: 06/18/13
Date Analyzed: 06/23/13
Matrix: Soil
Units: mg/kg (ppm)

Project: Crowley RIFS 101.00205.00019
Lab ID: 306147-21
Data File: 062233.D
Instrument: GCMS6
Operator: VM

SLR International Corp.

Surrogates: Kecovery: Limit: Limit: Anthracene-d10 90 50 150 Benzo(a)anthracene-d12 115 35 159

Concentration Compounds: mg/kg (ppm) Naphthalene < 0.00022 Acenaphthylene < 0.000091 Acenaphthene < 0.00014 Fluorene < 0.00015 Phenanthrene 0.0018 Anthracene 0.00020 Fluoranthene 0.00053 Pyrene 0.0019 Benz(a)anthracene 0.0010 Chrysene 0.0029 Benzo(a)pyrene 0.0011 Benzo(b)fluoranthene 0.0023 Benzo(k)fluoranthene < 0.00036 Indeno(1,2,3-cd)pyrene 0.00074 Dibenz(a,h)anthracene 0.00083 Benzo(g,h,i)perylene 0.0018

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: EB-47-5.0 Date Received: 06/10/13 Date Extracted: 06/18/13 Date Analyzed: 06/19/13 Matrix: Soil Units:

mg/kg (ppm)

Client: Project: Lab ID: Data File: SLR International Corp.

Crowley RIFS 101.00205.00019

306147-23 1/20 061917.D GCMS6 Instrument: ya

Operator:

Lower Upper Limit: Limit: Surrogates: % Recovery: Anthracene-d10 150 ds50 150 Benzo(a)anthracene-d12 141 ds 35 159

Concentration Compounds: mg/kg (ppm) Naphthalene 0.021 0.0089 Acenaphthylene Acenaphthene 0.061 Fluorene 0.079 Phenanthrene 0.73 Anthracene 0.16 1.6 ve Fluoranthene Pyrene 1.3 Benz(a)anthracene 0.70 Chrysene 0.69 Benzo(a)pyrene 0.57 Benzo(b)fluoranthene 0.93 Benzo(k)fluoranthene 0.24 Indeno(1,2,3-cd)pyrene 0.37 Dibenz(a,h)anthracene 0.091 Benzo(g,h,i)perylene 0.32

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

•	
Client Sample ID:	EB-47-5.0
Date Received:	06/10/13
Date Extracted:	06/18/13
Date Analyzed:	06/23/13
Matrix:	Soil
Units:	mg/kg (ppm)

Chefft.	SLK International
Project:	Crowley RIFS 101
Lab ID:	306147-23 1/200
Data File:	062232.D
Instrument:	GCMS6
Operator:	VM

.00205.00019

Surrogates: Anthracene-d10 Benzo(a)anthracene-d12	% Recovery: 509 ds 137 ds	Lower Limit: 50 35	Upper Limit: 150 159
Compounds:	Concentration mg/kg (ppm)		

Compounds:	mg/kg (ppm)
Naphthalene	< 0.044
Acenaphthylene	< 0.018
Acenaphthene	0.061
Fluorene	0.073
Phenanthrene	0.73
Anthracene	0.15
Fluoranthene	1.6
Pyrene	1.4
Benz(a)anthracene	0.66
Chrysene	0.68
Benzo(a)pyrene	0.57
Benzo(b)fluoranthene	0.87
Benzo(k)fluoranthene	0.31
Indeno(1,2,3-cd)pyrene	0.40
Dibenz(a,h)anthracene	0.092
Benzo(g,h,i)perylene	0.35

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: EB-47-10.0 Date Received: 06/10/13 Date Extracted: 06/18/13 Date Analyzed: 06/19/13 Matrix: Soil

Units: mg/kg (ppm)

Surrogates:

Anthracene-d10

Benzo(a)anthracene-d12

Project: Lab ID: Data File:

Client:

Instrument: Operator:

SLR International Corp.

Crowley RIFS 101.00205.00019 306147-25 061906.D

GCMS6 ya

Lower Upper Limit: % Recovery: Limit: 74 50 150 83 35 159

Concentration Compounds: mg/kg (ppm) Naphthalene < 0.00022 Acenaphthylene < 0.000091 Acenaphthene < 0.00014 Fluorene < 0.00015 Phenanthrene 0.00061Anthracene < 0.000088 Fluoranthene < 0.00028 Pyrene 0.00032 Benz(a)anthracene < 0.00018 Chrysene < 0.00019 Benzo(a)pyrene < 0.00022 Benzo(b)fluoranthene 0.00018 Benzo(k)fluoranthene < 0.00036 Indeno(1,2,3-cd)pyrene < 0.00062 Dibenz(a,h)anthracene < 0.00034 Benzo(g,h,i)perylene < 0.00034

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: Method Blank Date Received: N/A 06/18/13

Date Extracted: Date Analyzed:

06/19/13 Matrix: Soil Units:

Indeno(1,2,3-cd)pyrene

Dibenz(a,h)anthracene

Benzo(g,h,i)perylene

mg/kg (ppm)

Client:

SLR International Corp.

Project: Lab ID:

Crowley RIFS 101.00205.00019 03-1181 mb

Data File: Instrument:

061905.D GCMS6

Operator:

ya

Surrogates: Anthracene-d10 Benzo(a)anthracene-d12

% Recovery: 94 110

< 0.00062

< 0.00034

< 0.00034

Upper Limit: Lower Limit: 150 50 35 159

Concentration Compounds: mg/kg (ppm) Naphthalene < 0.00022 Acenaphthylene < 0.000091 Acenaphthene < 0.00014 Fluorene < 0.00015 Phenanthrene < 0.00032 Anthracene <0.000088 Fluoranthene < 0.00028 Pyrene < 0.00026 Benz(a)anthracene < 0.00018 Chrysene < 0.00019 Benzo(a)pyrene < 0.00022 Benzo(b)fluoranthene < 0.00018 Benzo(k)fluoranthene < 0.00036

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID: EB-45-12.5
Date Received: 06/10/13
Date Extracted: 06/24/13
Date Analyzed: 06/25/13
Matrix: Soil

Units: mg/kg (ppm)

Client: Project: SLR International Corp.

Crowley RIFS 101.00205.00019

Lab ID:
Data File:
Instrument:
Operator:

306147-14 1/10 062510.D

GCMS6 VM

		Lower	Upper
Surrogates:	% Recovery:	Limit:	Limit:
Anthracene-d10	141 ds	50	150
Benzo(a)anthracene-d12	84 ds	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	< 0.0022
Phenanthrene	0.14
Fluoranthene	0.26
Benz(a)anthracene	0.085
Chrysene	0.091
Benzo(a)pyrene	0.047
Benzo(b)fluoranthene	0.072
Benzo(k)fluoranthene	0.025
Indeno(1,2,3-cd)pyrene	0.019
Dibenz(a,h)anthracene	0.0045
Benzo(g,h,i)perylene	0.016

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

· ·		_
Client Sample ID:	Method Blank	
Date Received:	N/A	
Date Extracted:	06/24/13	
Date Analyzed:	06/25/13	
Matrix:	Soil	
I Inite	ma/ka (nnm)	

Units: n	ng/kg	(ppm)
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Surrogates: Anthracene-d10

Benzo(a)anthracene-d12

	Operator:	VM	
0/ Daggrages	Lower		Upper Limit:
% Recovery:	Limit:		
82	50		150
84	35		159

Instrument:

Client:

Project: Lab ID:

Data File:

SLR International Corp.

062506B.D

GCMS6

Crowley RIFS 101.00205.00019 03-1235 mb

Compounds:	Concentration mg/kg (ppm)
Naphthalene	< 0.00022
Acenaphthylene	< 0.000091
Acenaphthene	< 0.00014
Fluorene	< 0.00015
Phenanthrene	< 0.00032
Anthracene	<0.000088
Fluoranthene	< 0.00028
Pyrene	< 0.00026
Benz(a)anthracene	< 0.00018
Chrysene	< 0.00019
Benzo(a)pyrene	< 0.00022
Benzo(b)fluoranthene	< 0.00018
Benzo(k)fluoranthene	< 0.00036
Indeno(1,2,3-cd)pyrene	< 0.00062
Dibenz(a,h)anthracene	< 0.00034
Benzo(g,h,i)perylene	< 0.00034

ENVIRONMENTAL CHEMISTS

Lower Limit: 50

Analysis For PCBs By EPA Method 8082

Client Sample ID:	EB-28-1.0
Date Received:	06/10/13
Date Extracted:	06/11/13
Date Analyzed:	06/13/13
Matrix:	Soil
Units:	mg/kg (ppm)

Client:	SLR International Corp.
Project:	Crowley RIFS 101.00205.00019
Lab ID:	306147-01
Data File:	52.D\ECD1A.CH
Instrument:	GC7
Operator:	mwdl

Upper Limit: 150

Surrogates: TCMX	% Recovery: 103
Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	< 0.033
Aroclor 1232	< 0.033
Aroclor 1016	< 0.033
Aroclor 1242	< 0.033
Aroclor 1248	< 0.033
Aroclor 1254	< 0.033
Aroclor 1260	< 0.033

ENVIRONMENTAL CHEMISTS

Client:

Project:

Lab ID:

Limit: 50

SLR International Corp.

306147-03 1/10 96.D\ECD1A.CH

GC7

mwdl

Crowley RIFS 101.00205.00019

Upper Limit: 150

Analysis For PCBs By EPA Method 8082

Client Sample ID:	EB-28-5.0
Date Received:	06/10/13
Date Extracted:	06/11/13
Date Analyzed:	06/18/13
Matrix:	Soil
Units:	mg/kg (ppm)

0/16/13	Data File.
oil	Instrument:
ng/kg (ppm)	Operator:
	Lower

Surrogates: TCMX	% Recovery: 85 ds
Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	< 0.33
Aroclor 1232	< 0.33
Aroclor 1016	< 0.33
Aroclor 1242	< 0.33
Aroclor 1248	< 0.33
Aroclor 1254	< 0.33
Aroclor 1260	< 0.33

ENVIRONMENTAL CHEMISTS

SLR International Corp.

306147-05

Crowley RIFS 101.00205.00019

Analysis For PCBs By EPA Method 8082

Client Sample ID:	EB-28-10.0	Client:
Date Received:	06/10/13	Project:
Date Extracted:	06/11/13	Lab ID:
Date Analyzed:	07/12/13	Data File

Concentration Compounds: mg/kg (ppm) Aroclor 1221 < 0.033 Aroclor 1232 < 0.033 Aroclor 1016 < 0.033 Aroclor 1242 < 0.033 Aroclor 1248 < 0.033 Aroclor 1254 < 0.033 Aroclor 1260 < 0.033

ENVIRONMENTAL CHEMISTS

Client:

Project:

Lab ID:

Analysis For PCBs By EPA Method 8082

Client Sample ID:	EB-45-1.0
Date Received:	06/10/13
Date Extracted:	06/11/13
Date Analyzed:	06/13/13
Matrix:	Soil

Matrix:	Soil
Units:	mg/kg (ppm)

Aroclor 1260

Data File:	36.D\ECD1A.CH
Instrument:	GC7
Operator:	mwdl
Lower	Upper
Limit:	Limit:

50

SLR International Corp.

306147-09

Crowley RIFS 101.00205.00019

Upper Limit: 150

Surrogates: TCMX	% Recovery: 104
Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	< 0.033
Aroclor 1232	< 0.033
Aroclor 1016	< 0.033
Aroclor 1242	< 0.033
Aroclor 1248	< 0.033
Aroclor 1254	< 0.033

< 0.033

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082

Client Sample ID: EB-45-5.0
Date Received: 06/10/13
Date Extracted: 06/11/13
Date Analyzed: 07/12/13
Matrix: Soil

Units: mg/kg (ppm)

Project: Lab ID: Data File:

Client:

SLR International Corp.

Crowley RIFS 101.00205.00019 306147-11 1/10

Pata File: 80.D\ECD1A.CH astrument: GC7

Instrument: GC7 Operator: mwdl

Surrogates: % Recovery: 185 ds

Lower Limit: 50 Upper Limit: 150

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	< 0.33
Aroclor 1232	< 0.33
Aroclor 1016	< 0.33
Aroclor 1242	< 0.33
Aroclor 1248	< 0.33
Aroclor 1254	< 0.33
Aroclor 1260	< 0.33

ENVIRONMENTAL CHEMISTS

Client:

Project:

Lab ID:

Data File:

Operator:

Instrument:

Analysis For PCBs By EPA Method 8082

Client Sample ID: EB-45-10.0
Date Received: 06/10/13
Date Extracted: 06/11/13
Date Analyzed: 06/13/13
Matrix: Soil

Units: mg/kg (ppm)

Surrogates: 9

% Recovery: 96 Lower Limit: 50 SLR International Corp.

Crowley RIFS 101.00205.00019

306147-13 40.D\ECD1A.CH

GC7 mwdl

> Upper Limit: 150

TCMX Concentration Compounds: mg/kg (ppm) Aroclor 1221 < 0.033 Aroclor 1232 < 0.033 Aroclor 1016 < 0.033 Aroclor 1242 < 0.033 Aroclor 1248 < 0.033 Aroclor 1254 < 0.033 Aroclor 1260 < 0.033

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082

Client Sample ID:	EB-40-1.0
Date Received:	06/10/13
Date Extracted:	06/11/13
Date Analyzed:	07/12/13
Matrix:	Soil

Units: mg/kg (ppm)

Client: SLR International Corp.
Project: Crowley RIFS 101.00205.00019
Lab ID: 306147-15 1/10
Data File: 82.D\ECD1A.CH

Upper Limit: 150

Instrument: GC7 Operator: mwdl

> Lower Limit: 50

Surrogates: TCMX	% Recovery: 120 ds
Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	< 0.33
Aroclor 1232	< 0.33
Aroclor 1016	< 0.33
Aroclor 1242	< 0.33
Aroclor 1248	< 0.33
Aroclor 1254	< 0.33
Aroclor 1260	< 0.33

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082

Client Sample ID: EB-40-5.0 Date Received: 06/10/13 Date Extracted: 06/11/13 Date Analyzed: 06/13/13 Matrix: Soil

Units:

mg/kg (ppm)

% Recovery: 79

< 0.033

Client: Project:

Operator:

SLR International Corp. Crowley RIFS 101.00205.00019

Lab ID: 306147-17

Data File: Instrument: 56.D\ECD1A.CH

GC7 mwdl

Lower Limit: 50

Upper Limit: 150

 $\begin{array}{c} Surrogates: \\ TCMX \end{array}$

Aroclor 1260

Concentration Compounds: mg/kg (ppm) Aroclor 1221 < 0.033 Aroclor 1232 < 0.033 Aroclor 1016 < 0.033 Aroclor 1242 < 0.033 Aroclor 1248 < 0.033 Aroclor 1254 0.12

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082

Client Sample ID:	EB-40-10.0
Date Received:	06/10/13
Date Extracted:	06/11/13
Date Analyzed:	06/13/13
Matrix:	Soil
~ ~ .	

Units: mg/kg (ppm)		
	Units:	mg/kg (ppm)

Client:	SLR International Corp.
Project:	Crowley RIFS 101.00205.00019
Lab ID:	306147-19
Data File:	42.D\ECD1A.CH
Instrument:	GC7
Operator:	mwdl

Lower Limit: 50 Upper Limit: 150

Surrogates: TCMX	% Recovery: 92
Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	< 0.033
Aroclor 1232	< 0.033
Aroclor 1016	< 0.033
Aroclor 1242	< 0.033
Aroclor 1248	< 0.033
Aroclor 1254	< 0.033
Aroclor 1260	< 0.033

ENVIRONMENTAL CHEMISTS

% Recovery:

Analysis For PCBs By EPA Method 8082

Client Sample ID: EB-47-1.0
Date Received: 06/10/13
Date Extracted: 06/11/13
Date Analyzed: 06/18/13
Matrix: Soil

Units: mg/kg (ppm)

Surrogates:

Client:

SLR International Corp.

Project: C Lab ID: 3

Crowley RIFS 101.00205.00019

Lab ID: 306147-21 1/10 Data File: 94.D\ECD1A.CH

Instrument: Operator:

GC7

mwdl

Lower Limit:

50

Upper Limit: 150

TCMX	100 ds
Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	< 0.33
Aroclor 1232	< 0.33
Aroclor 1016	< 0.33
Aroclor 1242	< 0.33
Aroclor 1248	< 0.33
Aroclor 1254	< 0.33
Aroclor 1260	< 0.33

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082

Client Sample ID: EB-47-5.0 Date Received: 06/10/13 Date Extracted: 06/11/13 Date Analyzed: 06/14/13 Matrix: Soil

Units: mg/kg (ppm)

Surrogates: TCMX % Recovery:

88

SLR International Corp. Client: Project:

Crowley RIFS 101.00205.00019 Lab ID: 306147-23

Data File: 60.D\ECD1A.CH Instrument: GC7 Operator: mwdl

> Upper Limit: Lower Limit: 50 150

Concentration Compounds: mg/kg (ppm) < 0.033 Aroclor 1221 Aroclor 1232 < 0.033 Aroclor 1016 < 0.033 < 0.033 Aroclor 1242 Aroclor 1248 < 0.033 Aroclor 1254 0.17 Aroclor 1260 0.16

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082

Client Sample ID: EB-47-10.0

Date Received: 06/10/13

Date Extracted: 06/11/13

Date Analyzed: 06/13/13

Matrix: Soil

Units: mg/kg (ppm)

Aroclor 1260

Project: Lab ID: Data File: Instrumer

Client:

SLR International Corp. Crowley RIFS 101.00205.00019

306147-25

ta File: 44.D\ECD1A.CH

Instrument: GC7 Operator: mwdl

> Lower Limit: 50

Upper Limit: 150

Surrogates: TCMX % Recovery: 94 Concentration Compounds: mg/kg (ppm) Aroclor 1221 < 0.033 Aroclor 1232 < 0.033 Aroclor 1016 < 0.033 Aroclor 1242 < 0.033 Aroclor 1248 < 0.033 Aroclor 1254 < 0.033

< 0.033