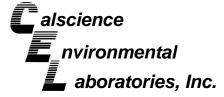
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May 25, 2011

Shawn Simmons Southern California Edison Company Edison Chemical Services 7301 Fenwick Lane, 2nd Floor Westminster, CA 92683-5202

# Subject:Calscience Work Order No.:11-05-1226Client Reference:El Segundo 24-Hour Study

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/19/2011 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

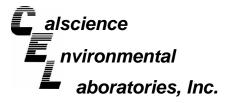
Sincerely,

Richard Villes.

Calscience Environmental Laboratories, Inc. Richard Villafania Project Manager

 NELAP ID: 03220CA
 DoD-ELAP ID: L10-41
 CSDLAC ID: 10109
 SCAQMD ID: 93LA0830

 7440 Lincoln Way, Garden Grove, CA 92841-1427
 TEL:(714) 895-5494
 FAX: (714) 894-7501





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Southern California Edison Company
Edison Chemical Services
7301 Fenwick Lane, 2nd Floor
Westminster, CA 92683-5202

Date Received:	05/19/11
Work Order No:	11-05-1226
Preparation:	N/A / EPA 245.1 Total
Method:	EPA 200.8 / EPA 245.1
Units:	ug/L
	Page 1 of 3

#### Project: El Segundo 24-Hour Study

Project: El Segundo 24-Hour Study						Page	e 1 of 3
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Intake Composite	11-05-1226-1-A	05/18/11 12:00	Aqueous	ICP/MS 04	05/23/11	05/23/11 20:50	110523L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

-Mercury analysis was performed on 05/20/11 12:29 with batch 110520L01

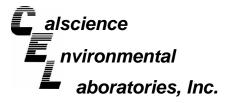
Intake Composite Duplicate			11-05	-1226-2	2-A	05/18/11 Ao 12:00	queous I	CP/MS 04	05/23/		6/23/11 20:56	110523	L02
Nickel	2.13	5.00	0.775	5	J	Mercury			ND	0.500	0.0348	1	
Molybdenum	13.4	5.00	1.45	5		Boron			1710	250	75.3	5	
Lead	ND	5.00	0.850	5		Titanium			6.04	5.00	0.281	5	
Copper	4.50	5.00	0.525	5	J	Tin			ND	5.00	1.83	5	
Cobalt	ND	5.00	0.700	5		Manganese			ND	5.00	3.10	5	
Chromium	ND	5.00	3.09	5		Iron			144	250	61.0	5	J
Cadmium	ND	5.00	1.33	5		Aluminum			ND	250	52.5	5	
Beryllium	0.709	5.00	0.655	5	J	Zinc			ND	25.0	9.00	5	
Barium	ND	5.00	0.525	5		Thallium			ND	5.00	2.49	5	
Arsenic	ND	5.00	2.94	5		Silver			ND	5.00	0.600	5	
Antimony	ND	5.00	1.90	5		Selenium			4.24	5.00	2.77	5	J
Parameter	<u>Result</u>	<u>RL</u>	MDL	DF	Qual	Parameter			<u>Result</u>	<u>RL</u>	MDL	DF	Qual
-mercury analysis was performed on 05/20/11 12.29 with batch 110520201.													

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

-Mercury	analysis was perfo	ormed on (	05/20/11 1	2:31 w	ith batch	110520L01.					
Parameter	<u>Result</u>	<u>RL</u>	MDL	<u>DF</u>	Qual	Parameter	<u>Result</u>	<u>RL</u>	MDL	<u>DF</u>	<u>Qual</u>
Antimony	ND	5.00	1.90	5		Selenium	5.74	5.00	2.77	5	
Arsenic	ND	5.00	2.94	5		Silver	ND	5.00	0.600	5	
Barium	ND	5.00	0.525	5		Thallium	ND	5.00	2.49	5	
Beryllium	1.23	5.00	0.655	5	J	Zinc	14.6	25.0	9.00	5	J
Cadmium	ND	5.00	1.33	5		Aluminum	ND	250	52.5	5	
Chromium	ND	5.00	3.09	5		Iron	97.8	250	61.0	5	J
Cobalt	ND	5.00	0.700	5		Manganese	ND	5.00	3.10	5	
Copper	1.72	5.00	0.525	5	J	Tin	ND	5.00	1.83	5	
Lead	ND	5.00	0.850	5		Titanium	5.33	5.00	0.281	5	
Molybdenum	13.6	5.00	1.45	5		Boron	1630	250	75.3	5	
Nickel	1.80	5.00	0.775	5	J	Mercury	ND	0.500	0.0348	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

MM



Date Received: Work Order No:

Preparation:

Method:

Units:



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Southern California Edison Company
Edison Chemical Services
7301 Fenwick Lane, 2nd Floor
Westminster, CA 92683-5202

05/19/11
11-05-1226
N/A / EPA 245.1 Total
EPA 200.8 / EPA 245.1
ug/L

#### Project: El Segundo 24-Hour Study

Project: El Segundo 24-Hour Study						Page	e 2 of 3
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Outfall Composite	11-05-1226-3-A	05/18/11 12:00	Aqueous	ICP/MS 04	05/23/11	05/23/11 21:02	110523L02

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

-Mercury analysis was performed on 05/20/11 12:33 with batch 110520L01

Outfall Composite duplicate			11-05	-1226-4	1-A	05/18/11 Aque 12:00	eous ICP/MS 04	05/23		/23/11 21:08	110523	L02
Nickel	1.45	5.00	0.775	5	J	Mercury		ND	0.500	0.0348	1	
Molybdenum	14.4	5.00	1.45	5		Boron		1660	250	75.3	5	
Lead	0.948	5.00	0.850	5	J	Titanium		7.23	5.00	0.281	5	
Copper	5.40	5.00	0.525	5		Tin		ND	5.00	1.83	5	
Cobalt	ND	5.00	0.700	5		Manganese		ND	5.00	3.10	5	
Chromium	ND	5.00	3.09	5		Iron		177	250	61.0	5	J
Cadmium	ND	5.00	1.33	5		Aluminum		91.4	250	52.5	5	J
Beryllium	1.81	5.00	0.655	5	J	Zinc		36.5	25.0	9.00	5	
Barium	1.77	5.00	0.525	5	J	Thallium		ND	5.00	2.49	5	
Arsenic	ND	5.00	2.94	5		Silver		ND	5.00	0.600	5	
Antimony	ND	5.00	1.90	5		Selenium		5.78	5.00	2.77	5	
Parameter	Result	<u>RL</u>	MDL	DF	<u>Qual</u>	Parameter		Result	<u>RL</u>	MDL	DF	Qual
	sis was perio	simed on t	J5/20/11 I	2.33 W	iin baic	1110520L01.						

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

-Mercury analys	is was perfo	ormed on (	05/20/11 1	2:36 w	ith batch	110520L01.					
Parameter	<u>Result</u>	<u>RL</u>	MDL	<u>DF</u>	Qual	Parameter	<u>Result</u>	<u>RL</u>	MDL	DF	<u>Qual</u>
Antimony	ND	5.00	1.90	5		Selenium	4.70	5.00	2.77	5	J
Arsenic	ND	5.00	2.94	5		Silver	ND	5.00	0.600	5	
Barium	2.36	5.00	0.525	5	J	Thallium	ND	5.00	2.49	5	
Beryllium	1.16	5.00	0.655	5	J	Zinc	40.1	25.0	9.00	5	
Cadmium	ND	5.00	1.33	5		Aluminum	91.9	250	52.5	5	J
Chromium	ND	5.00	3.09	5		Iron	202	250	61.0	5	J
Cobalt	ND	5.00	0.700	5		Manganese	3.12	5.00	3.10	5	J
Copper	6.07	5.00	0.525	5		Tin	ND	5.00	1.83	5	
Lead	0.996	5.00	0.850	5	J	Titanium	7.65	5.00	0.281	5	
Molybdenum	14.5	5.00	1.45	5		Boron	1640	250	75.3	5	
Nickel	3.71	5.00	0.775	5	J	Mercury	ND	0.500	0.0348	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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FAX: (714) 894-7501



Date Received:

Work Order No:



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Southern California Edison Company Edison Chemical Services 7301 Fenwick Lane, 2nd Floor Westminster, CA 92683-5202

ACCAL	10	<b>a</b> (	
		05/1	9/11
	1	1-05-1	226

7301 Fenwick Lane, 2nd Floor							Preparation:				N/A / EPA 245.1 Total					
Westminste	r, CA 92683-5	5202					Method	EPA 200.8 / EPA 245.1								
							Units:						ug/l			
Project: El S	Segundo 24-ŀ	Hour St	udy									Page	e 3 of 3			
Client Sample Number					Lab Sample Number			Matrix	Instrument	Date Prepa		Date/Time Analyzed	QC Bat	ch ID		
Method Blank				099-1	0-008-1	,650	N/A	Aqueous	ICP/MS 04	05/23/	11	05/23/11 19:13	110523	L02		
Comment(s):	-Results were eva	aluated to t	he MDL, d	concentrat	ions >=	to the I	MDL but < RL,	, if found, are	e qualified wi	th a "J" flag	g.					
Parameter		Result	<u>RL</u>	<u>MDL</u>	DF	<u>Qual</u>	Parameter			<u>Result</u>	<u>RL</u>	MDL	DF	<u>Qual</u>		
Antimony		ND	1.00	0.380	1		Selenium			ND	1.0	0.554	1			
Arsenic		ND	1.00	0.589	1		Silver			ND	1.0	0.120	1			
Barium		ND	1.00	0.105	1		Thallium			ND	1.0	0.498	1			
Beryllium		ND	1.00	0.131	1		Zinc			ND	5.0	00 1.80	1			
Cadmium		ND	1.00	0.266	1		Aluminum			ND	50.0	0 10.5	1			
Chromium		ND	1.00	0.618	1		Iron			ND	50.0	) 12.2	1			
Cobalt		ND	1.00	0.140	1		Manganese			ND	1.0	0.620	1			
Copper		ND	1.00	0.105	1		Tin			ND	1.0	0.366	1			
Lead		ND	1.00	0.170	1		Titanium			ND	1.0		: 1			
Molybdenum		ND	1.00	0.290	1		Boron			ND	50.0	) 15.1	1			
Nickel		ND	1.00	0.155	1											
Method Blank				099-0	4-008-5	5,360	N/A	Aqueous	Mercury	05/20/	11	05/20/11 12:18	110520	L01		
Comment(s):	-Results were eva	aluated to t	he MDL, d	concentrat	ions >=	to the I	MDL but < RL,	, if found, are	e qualified wi	th a "J" fla	g.					
Parameter		<u>Result</u>	<u>RL</u>	<u>MDL</u>	DF	<u>Qual</u>										

1

ParameterResultRLMDLMercuryND0.5000.0348

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

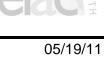
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Southern California Edison Company Edison Chemical Services 7301 Fenwick Lane, 2nd Floor Westminster, CA 92683-5202 Date Received: Work Order No:



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11-05-1226

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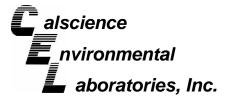
## Project: El Segundo 24-Hour Study

Client Sample Number		L	.ab Samp	le Numb	ber Date Collected	Matrix			
Intake Composite			11-05-12	226-1	05/18/11	Aqueous			
Comment(s): Results were	evaluated to the	MDL, cond	centration	is >= to t	the MDL but <	RL, if found, a	are qualified w	vith a "J" flag.	
Parameter	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date</u> Prepared	<u>Date</u> Analyzed	Method
Fluoride	0.85	1.0	0.33	10	J	mg/L	N/A	05/19/11	EPA 300.0
Bromide	70	1.0	0.56	10		mg/L	N/A	05/19/11	EPA 300.0
Color	5.0	5.0	5.0	1		Color unit	05/19/11	05/19/11	SM 2120 B
Total Kjeldahl Nitrogen	0.56	0.50	0.46	1		mg/L	05/23/11	05/23/11	SM 4500 N Org B
Total Phosphate	0.26	0.31	0.067	1	J	mg/L	05/23/11	05/23/11	SM 4500 P B/E
Sulfide, Total	ND	0.050	0.042	1		mg/L	05/19/11	05/19/11	SM 4500 S2 - D
Ammonia (as N)	ND	0.10	0.094	1		mg/L	05/23/11	05/23/11	SM 4500-NH3 B/C
Biochemical Oxygen Demand	ND	1.0	0.58	1		mg/L	05/19/11	05/24/11	SM 5210 B
Carbon, Total Organic	0.13	0.50	0.10	1	J	mg/L	N/A	05/19/11	SM 5310 D
MBAS	ND	0.10	0.089	1		mg/L	05/19/11	05/19/11	SM 5540C
Outfall Composite			11-05-12	226-3	05/18/11	Aqueous			
Comment(s): Results were	evaluated to the	MDL. cond	centration	is >= to t	the MDL but <	RL. if found. a	are qualified w	vith a "J" flag.	
Parameter	Result	<u>RL</u>	MDL	DE	Qual	<u>Units</u>	Date	Date	Method
							Prepared	Analyzed	
Fluoride	0.92	1.0	0.33	10	J	mg/L	N/A	05/19/11	EPA 300.0
Bromide	68	1.0	0.56	10		mg/L	N/A	05/19/11	EPA 300.0
Color	5.0	5.0	5.0	1		Color unit	05/19/11	05/19/11	SM 2120 B
Total Kjeldahl Nitrogen	1.4	0.50	0.46	1		mg/L	05/23/11	05/23/11	SM 4500 N Org B
Total Phosphate	0.28	0.31	0.067	1	J	mg/L	05/23/11	05/23/11	SM 4500 P B/E
Sulfide, Total	ND	0.050	0.042	1	-	mg/L	05/19/11	05/19/11	SM 4500 S2 - D
Ammonia (as N)	ND	0.10	0.094	1		mg/L	05/23/11	05/23/11	SM 4500-NH3 B/C
Biochemical Oxygen Demand	ND	1.0	0.58	1		mg/L	05/19/11	05/24/11	SM 5210 B
Carbon, Total Organic	0.18	0.50	0.10	1	J	mg/L	N/A	05/19/11	SM 5310 D
MBAS	ND	0.10	0.089	1	-	mg/L	05/19/11	05/19/11	SM 5540C
Outfall Composite duplicate			11-05-12	226-4	05/18/11	Aqueous			
· · ·	evaluated to the	MDL. con		-		•	are qualified w	vith a "J" flag	
Parameter	Result	<u>RL</u>	MDL	<u>DF</u>	Qual	<u>Units</u>	•	-	Mathad
<u>aiaiiieiei</u>	<u>resuit</u>	<u>rl</u>			<u>Quai</u>		<u>Date</u> Prepared	<u>Date</u> Analyzed	<u>Method</u>
Biochemical Oxygen Demand	ND	1.0	0.58	1		mg/L	05/19/11	05/24/11	SM 5210 B

 $\label{eq:RL-Reporting Limit} RL - Reporting Limit \ , \qquad DF - Dilution Factor \ , \qquad Qual - Qualifiers$ 

Mulha

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Southern California Edison Company Edison Chemical Services 7301 Fenwick Lane, 2nd Floor Westminster, CA 92683-5202 Date Received: Work Order No:

05/19/11
11-05-1226

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## Project: El Segundo 24-Hour Study

Client Sample Nurr	nber		L	.ab Samp	le Numb	oer Date Collected	Matrix			
Intake				11-05-12	26-5	05/17/11	Aqueous			
Comment(s):	Results were e	valuated to the	MDL, cond	centration	s >= to	the MDL but <	RL, if found, a	re qualified v	vith a "J" flag.	
Parameter		<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date</u> Prepared	<u>Date</u> Analyzed	Method
Phenolics, Total		0.93	0.10	0.046	1		mg/L	05/19/11	05/19/11	EPA 420.1
Sulfide, Total		ND	0.050	0.042	1		mg/L	05/19/11	05/19/11	SM 4500 S2 - D
Cyanide, Total		ND	0.020	0.0070	1		mg/L	05/19/11	05/19/11	SM 4500-CN E
Oil and Grease		ND	1.0	0.88	1		mg/L	05/20/11	05/20/11	SM 5520 B
Intake				11-05-12	226-6	05/17/11	Aqueous			
Comment(s):	Results were e	valuated to the	MDL, cond	centration	s >= to '	the MDL but <	RL, if found, a	re qualified w	vith a "J" flag.	
Parameter		<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date</u> Prepared	<u>Date</u> Analyzed	Method
Phenolics, Total		0.59	0.10	0.046	1		mg/L	05/19/11	05/19/11	EPA 420.1
Sulfide, Total		ND	0.050	0.042	1		mg/L	05/19/11	05/19/11	SM 4500 S2 - D
Cyanide, Total		ND	0.020	0.0070	1		mg/L	05/19/11	05/19/11	SM 4500-CN E
Oil and Grease		ND	1.0	0.88	1		mg/L	05/20/11	05/20/11	SM 5520 B
Intake				11-05-12	26-7	05/17/11	Aqueous			
Comment(s):	Results were e	valuated to the	MDL, cond	centration	s >= to	the MDL but <	RL, if found, a	re qualified v	vith a "J" flag.	
Parameter		<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date</u> Prepared	<u>Date</u> Analyzed	Method
Phenolics, Total		0.73	0.10	0.046	1		mg/L	05/19/11	05/19/11	EPA 420.1
Sulfide, Total		ND	0.050	0.042	1		mg/L	05/19/11	05/19/11	SM 4500 S2 - D
Cyanide, Total		ND	0.020	0.0070	1		mg/L	05/19/11	05/19/11	SM 4500-CN E
Oil and Grease		ND	1.0	0.88	1		mg/L	05/20/11	05/20/11	SM 5520 B
Intake				11-05-12	226-8	05/17/11	Aqueous			
Comment(s):	Results were e	valuated to the	MDL, cond	centration	s >= to	the MDL but <	RL, if found, a	re qualified v	vith a "J" flag.	
Parameter		<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date</u> Prepared	<u>Date</u> Analyzed	Method
Phenolics, Total		1.7	0.10	0.046	1		mg/L	05/19/11	05/19/11	EPA 420.1
Sulfide, Total		ND	0.050	0.042	1		mg/L	05/19/11	05/19/11	SM 4500 S2 - D
Cyanide, Total		ND	0.020	0.0070			mg/L	05/19/11	05/19/11	SM 4500-CN E
							<i>.</i>			<b>0</b>

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

1.3

Oil and Grease

1.0

0.88

1

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mg/L

05/20/11

05/20/11

SM 5520 B



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Southern California Edison Company Edison Chemical Services 7301 Fenwick Lane, 2nd Floor Westminster, CA 92683-5202 Date Received: Work Order No:



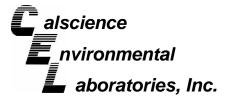
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Project: El Segundo 24-Hour Study

lient Sample Num	nber	L	.ab Samp	le Numb	er Date Collected	Matrix			
Intake			11-05-12	26-9	05/18/11	Aqueous	i		
Comment(s):	Results were evaluated to the	ne MDL, cond	centration	s >= to tl	he MDL but <	< RL, if found,	are qualified w	/ith a "J" flag.	
Parameter	Result	<u>RL</u>	MDL	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date</u> Prepared	<u>Date</u> Analyzed	Method
Phenolics, Total	1.0	0.10	0.046	1		mg/L	05/19/11	05/19/11	EPA 420.1
Sulfide, Total	ND	0.050	0.042	1		mg/L	05/19/11	05/19/11	SM 4500 S2 - D
Cyanide, Total	ND	0.020	0.0070	1		mg/L	05/19/11	05/19/11	SM 4500-CN E
Oil and Grease	ND	1.0	0.88	1		mg/L	05/20/11	05/20/11	SM 5520 B
Intake			11-05-12	26-10	05/18/11	Aqueous	;		
Comment(s):	Results were evaluated to the	ne MDL, cond	centration	s >= to tl	he MDL but <	< RL, if found,	are qualified w	<i>i</i> ith a "J" flag.	
Parameter	Result	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date</u> Prepared	<u>Date</u> Analyzed	Method
Phenolics, Total	0.51	0.10	0.046	1		mg/L	05/19/11	05/19/11	EPA 420.1
Sulfide, Total	ND	0.050	0.042	1		mg/L	05/19/11	05/19/11	SM 4500 S2 - D
Cyanide, Total	ND	0.020	0.0070	1		mg/L	05/19/11	05/19/11	SM 4500-CN E
Oil and Grease	ND	1.0	0.88	1		mg/L	05/20/11	05/20/11	SM 5520 B
Intake			11-05-12	26-11	05/18/11	Aqueous			
Comment(s):	Results were evaluated to the	ne MDL, cond	centration	s >= to tl	he MDL but <	< RL, if found,	are qualified w	/ith a "J" flag.	
Parameter	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date</u> Prepared	<u>Date</u> Analyzed	Method
Phenolics, Total	0.65	0.10	0.046	1		mg/L	05/19/11	05/19/11	EPA 420.1
Sulfide, Total	ND	0.050	0.042	1		mg/L	05/19/11	05/19/11	SM 4500 S2 - D
Cyanide, Total	ND	0.020	0.0070	1		mg/L	05/21/11	05/21/11	SM 4500-CN E
Oil and Grease	ND	1.0	0.88	1		mg/L	05/20/11	05/20/11	SM 5520 B
Intake			11-05-12	26-12	05/18/11	Aqueous			
Comment(s):	Results were evaluated to the	ne MDL, cond	centration	s >= to tl	he MDL but <	< RL, if found,	are qualified w	/ith a "J" flag.	
Parameter	Result	<u>RL</u>	MDL	<u>DF</u>	Qual	<u>Units</u>	<u>Date</u> Prepared	<u>Date</u> Analyzed	Method
		0.40	0.046	1		ma/l		•	EDA 400 4
Dhanalian Tatal	1.1	0.10	0.046 0.042	1 1		mg/L	05/19/11	05/19/11	EPA 420.1 SM 4500 S2 - D
,			111/1/2/2	1		mg/L	05/19/11	05/19/11	SIVL4500 SZ - D
Phenolics, Total Sulfide, Total Cyanide, Total	ND ND	0.050 0.020	0.0070			mg/L	05/21/11	05/21/11	SM 4500-CN E

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Southern California Edison Company **Edison Chemical Services** 7301 Fenwick Lane, 2nd Floor Westminster, CA 92683-5202

Date Received: Work Order No:

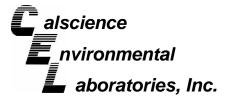


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## Project: El Segundo 24-Hour Study

Client Sample Num	nber				Collected	Matrix			
Intake			11 <b>-05-</b> 12	26-13	05/18/11	Aqueous			
Comment(s):	Results were evaluated to the	e MDL, conc	centration	s >= to tł	ne MDL but <	RL, if found, a	re qualified w	ith a "J" flag.	
Parameter	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date</u> Prepared	<u>Date</u> Analyzed	Method
Phenolics, Total	0.71	0.10	0.046	1		mg/L	05/19/11	05/19/11	EPA 420.1
Sulfide, Total	ND	0.050	0.042	1		mg/L	05/19/11	05/19/11	SM 4500 S2 - D
Cyanide, Total	ND	0.020	0.0070	1		mg/L	05/21/11	05/21/11	SM 4500-CN E
Oil and Grease	ND	1.0	0.88	1		mg/L	05/20/11	05/20/11	SM 5520 B
Outfall			11-05-12	26-14	05/17/11	Aqueous			
Comment(s):	Results were evaluated to the	e MDL, conc	centration	s >= to tł	ne MDL but <	RL, if found, a	re qualified w	ith a "J" flag.	
Parameter	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date</u> Prepared	<u>Date</u> Analyzed	Method
Phenolics, Total	0.48	0.10	0.046	1		mg/L	05/19/11	05/19/11	EPA 420.1
Sulfide, Total	ND	0.050	0.042	1		mg/L	05/19/11	05/19/11	SM 4500 S2 - D
						-			
Cyanide, Total	ND	0.020	0.0070	1		mg/L	05/21/11	05/21/11	SM 4500-CN E
Cyanide, Total Oil and Grease	ND ND	0.020 1.0	0.0070 0.88	1 1		mg/L mg/L	05/21/11 05/20/11	05/21/11 05/20/11	SM 4500-CN E SM 5520 B
<b>,</b>				1	05/17/11	0			
Oil and Grease		1.0	0.88 <b>11-05-12</b>	1 2 <b>26-15</b>		mg/L Aqueous	05/20/11	05/20/11	
Oil and Grease Outfall	ND	1.0	0.88 <b>11-05-12</b>	1 2 <b>26-15</b>		mg/L Aqueous	05/20/11	05/20/11	
Oil and Grease Outfall Comment(s): Parameter	ND Results were evaluated to the	1.0 ne MDL, cond	0.88 11-05-12	1 2 <b>26-15</b> s >= to th	ne MDL but <	mg/L Aqueous	05/20/11 re qualified w <u>Date</u>	05/20/11 ith a "J" flag. <u>Date</u>	SM 5520 B
Oil and Grease Outfall Comment(s):	ND Results were evaluated to th <u>Result</u>	1.0 ne MDL, cond <u>RL</u>	0.88 11-05-12 centration: <u>MDL</u>	1 2 <b>26-15</b> s >= to th <u>DF</u>	ne MDL but <	Mg/L Aqueous RL, if found, a Units	05/20/11 re qualified w <u>Date</u> <u>Prepared</u>	05/20/11 ith a "J" flag. <u>Date</u> <u>Analyzed</u>	SM 5520 B
Oil and Grease Outfall Comment(s): Parameter Phenolics, Total	ND Results were evaluated to th <u>Result</u> 0.98	1.0 ne MDL, cond <u>RL</u> 0.10	0.88 11-05-12 centration <u>MDL</u> 0.046	1 226-15 s >= to th <u>DF</u> 1 1	ne MDL but <	mg/L Aqueous : RL, if found, a <u>Units</u> mg/L	05/20/11 re qualified w <u>Date</u> <u>Prepared</u> 05/19/11	05/20/11 ith a "J" flag. <u>Date</u> <u>Analyzed</u> 05/19/11	SM 5520 B Method EPA 420.1
Dil and Grease Outfall Comment(s): Parameter Phenolics, Total Sulfide, Total Cyanide, Total	ND Results were evaluated to th <u>Result</u> 0.98 ND	1.0 ne MDL, cond <u>RL</u> 0.10 0.050	0.88 11-05-12 centration <u>MDL</u> 0.046 0.042	1 226-15 s >= to th <u>DF</u> 1 1	ne MDL but <	mg/L Aqueous : RL, if found, a <u>Units</u> mg/L mg/L	05/20/11 re qualified w <u>Date</u> <u>Prepared</u> 05/19/11 05/19/11	05/20/11 iith a "J" flag. <u>Date</u> <u>Analyzed</u> 05/19/11 05/19/11	SM 5520 B <u>Method</u> EPA 420.1 SM 4500 S2 - D
Oil and Grease Outfall Comment(s): Parameter Phenolics, Total Sulfide, Total Cyanide, Total	ND Results were evaluated to th <u>Result</u> 0.98 ND ND	1.0 ne MDL, cond <u>RL</u> 0.10 0.050 0.020	0.88 11-05-12 centration: <u>MDL</u> 0.046 0.042 0.0070	1 226-15 s >= to th DF 1 1 1 1	ne MDL but <	mg/L Aqueous : RL, if found, a <u>Units</u> mg/L mg/L mg/L	05/20/11 re qualified w <u>Date</u> <u>Prepared</u> 05/19/11 05/19/11 05/21/11	05/20/11 ith a "J" flag. <u>Date</u> <u>Analyzed</u> 05/19/11 05/19/11 05/21/11	SM 5520 B <u>Method</u> EPA 420.1 SM 4500 S2 - D SM 4500-CN E
Oil and Grease Outfall Comment(s): Parameter Phenolics, Total Sulfide, Total Cyanide, Total Oil and Grease	ND Results were evaluated to th <u>Result</u> 0.98 ND ND	1.0 ne MDL, cond RL 0.10 0.050 0.020 1.0	0.88 11-05-12 centration: <u>MDL</u> 0.046 0.042 0.0070 0.88 11-05-12	1 226-15 s >= to th DF 1 1 1 226-16	ne MDL but < Qual 05/17/11	mg/L Aqueous RL, if found, a Units mg/L mg/L mg/L mg/L Mg/L	05/20/11 re qualified w <u>Date</u> <u>Prepared</u> 05/19/11 05/19/11 05/21/11 05/20/11	05/20/11 iith a "J" flag. <u>Date</u> <u>Analyzed</u> 05/19/11 05/19/11 05/21/11 05/20/11	SM 5520 B <u>Method</u> EPA 420.1 SM 4500 S2 - D SM 4500-CN E
Oil and Grease Outfall Comment(s): Parameter Phenolics, Total Sulfide, Total Oil and Grease Outfall Comment(s):	ND Results were evaluated to th <u>Result</u> 0.98 ND ND ND	1.0 ne MDL, cond RL 0.10 0.050 0.020 1.0	0.88 11-05-12 centration: <u>MDL</u> 0.046 0.042 0.0070 0.88 11-05-12	1 226-15 s >= to th DF 1 1 1 226-16	ne MDL but < Qual 05/17/11	mg/L Aqueous RL, if found, a Units mg/L mg/L mg/L mg/L Mg/L	05/20/11 re qualified w <u>Date</u> <u>Prepared</u> 05/19/11 05/19/11 05/21/11 05/20/11	05/20/11 iith a "J" flag. <u>Date</u> <u>Analyzed</u> 05/19/11 05/19/11 05/21/11 05/20/11	SM 5520 B <u>Method</u> EPA 420.1 SM 4500 S2 - D SM 4500-CN E
Oil and Grease Outfall Comment(s): Parameter Phenolics, Total Sulfide, Total Oil and Grease Outfall Comment(s): Parameter	ND Results were evaluated to th <u>Result</u> 0.98 ND ND ND ND ND	1.0 e MDL, cond <u>RL</u> 0.10 0.050 0.020 1.0 e MDL, cond	0.88 <b>11-05-12</b> centration: <u>MDL</u> 0.046 0.042 0.0070 0.88 <b>11-05-12</b> centration:	1 226-15 s >= to th DF 1 1 1 1 226-16 s >= to th	ne MDL but < Qual 05/17/11 ne MDL but <	mg/L Aqueous RL, if found, a <u>Units</u> mg/L mg/L mg/L mg/L mg/L s: RL, if found, a <u>Units</u>	05/20/11 re qualified w <u>Date</u> <u>Prepared</u> 05/19/11 05/19/11 05/21/11 05/20/11 re qualified w <u>Date</u>	05/20/11 iith a "J" flag. <u>Date</u> <u>Analyzed</u> 05/19/11 05/19/11 05/20/11 05/20/11 iith a "J" flag. <u>Date</u>	SM 5520 B <u>Method</u> EPA 420.1 SM 4500 S2 - D SM 4500-CN E SM 5520 B
Oil and Grease Outfall Comment(s): Parameter Phenolics, Total Sulfide, Total Oil and Grease Outfall Comment(s): Parameter Phenolics, Total	ND Results were evaluated to th <u>Result</u> 0.98 ND ND ND ND ND ND	1.0 1.0 MDL, conc <u>RL</u> 0.10 0.050 0.020 1.0 MDL, conc <u>RL</u>	0.88 <b>11-05-12</b> centration: <u>MDL</u> 0.046 0.042 0.0070 0.88 <b>11-05-12</b> centration: <u>MDL</u>	1 226-15 S >= to th DF 1 1 1 1 226-16 $S >= to th DF$	ne MDL but < Qual 05/17/11 ne MDL but <	mg/L Aqueous RL, if found, a <u>Units</u> mg/L mg/L mg/L c. RL, if found, a <u>Units</u> mg/L	05/20/11 re qualified w <u>Date</u> <u>Prepared</u> 05/19/11 05/19/11 05/21/11 05/20/11 re qualified w <u>Date</u> <u>Prepared</u>	05/20/11 iith a "J" flag. <u>Date</u> <u>Analyzed</u> 05/19/11 05/19/11 05/20/11 05/20/11 iith a "J" flag. <u>Date</u> <u>Analyzed</u>	SM 5520 B <u>Method</u> EPA 420.1 SM 4500 S2 - D SM 4500-CN E SM 5520 B <u>Method</u>
Oil and Grease Outfall Comment(s): Parameter Phenolics, Total Sulfide, Total Cyanide, Total Oil and Grease Outfall Outfall	ND Results were evaluated to th <u>Result</u> 0.98 ND ND ND ND ND ND ND ND ND ND ND	1.0 e MDL, conc <u>RL</u> 0.10 0.050 0.020 1.0 e MDL, conc <u>RL</u> 0.10	0.88 <b>11-05-12</b> centration: <u>MDL</u> 0.046 0.042 0.0070 0.88 <b>11-05-12</b> centration: <u>MDL</u> 0.046	1 226-15 s >= to tt DF 1 1 1 1 226-16 s >= to tt DF 1 1 1 1 1 1 1 1 1 1 1 1 1	ne MDL but < Qual 05/17/11 ne MDL but <	mg/L Aqueous RL, if found, a <u>Units</u> mg/L mg/L mg/L mg/L mg/L s: RL, if found, a <u>Units</u>	05/20/11 re qualified w <u>Date</u> <u>Prepared</u> 05/19/11 05/21/11 05/20/11 re qualified w <u>Date</u> <u>Prepared</u> 05/19/11	05/20/11 iith a "J" flag. <u>Date</u> <u>Analyzed</u> 05/19/11 05/21/11 05/20/11 iith a "J" flag. <u>Date</u> <u>Analyzed</u> 05/19/11	SM 5520 B <u>Method</u> EPA 420.1 SM 4500 S2 - D SM 4500-CN E SM 5520 B <u>Method</u> EPA 420.1

RL - Reporting Limit , DF - Dilution Factor Qual - Qualifiers ,



IN ACCORD

Southern California Edison Company **Edison Chemical Services** 7301 Fenwick Lane, 2nd Floor Westminster, CA 92683-5202

Date Received: Work Order No:

	05/19/11	
1	1-05-1226	3

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## Project: El Segundo 24-Hour Study

Client Sample Num	nber		L	ab Samp	le Numbe	r Date Collected	Matrix			
Outfall				11-05-12	226-17	05/17/11	Aqueous			
Comment(s):	Results were eval	luated to the N	/IDL, con	centration	s >= to the	e MDL but <	RL, if found, a	re qualified w	vith a "J" flag.	
<u>Parameter</u>		<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date</u> Prepared	<u>Date</u> Analyzed	Method
Phenolics, Total		0.64	0.10	0.046	1		mg/L	05/19/11	05/19/11	EPA 420.1
Sulfide, Total		ND	0.050	0.042	1		mg/L	05/19/11	05/19/11	SM 4500 S2 - D
Cyanide, Total		ND	0.020	0.0070	1		mg/L	05/21/11	05/21/11	SM 4500-CN E
Oil and Grease		ND	1.0	0.88	1		mg/L	05/23/11	05/23/11	SM 5520 B
Outfall				11-05-12	226-18	05/18/11	Aqueous			
Comment(s):	Results were eval	luated to the N	/IDL, con	centration	s >= to the	e MDL but <	RL, if found, a	re qualified w	vith a "J" flag.	
Parameter		<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date</u> Prepared	<u>Date</u> Analyzed	Method
Phenolics, Total		0.57	0.10	0.046	1		mg/L	05/19/11	05/19/11	EPA 420.1
Sulfide, Total		ND	0.050	0.042	1		mg/L	05/19/11	05/19/11	SM 4500 S2 - D
Cyanide, Total		ND	0.020	0.0070	1		mg/L	05/21/11	05/21/11	SM 4500-CN E
Oil and Grease		ND	1.0	0.88	1		mg/L	05/23/11	05/23/11	SM 5520 B
Outfall				11-05-12	226-19	05/18/11	Aqueous			
Comment(s):	Results were eva	luated to the N	/IDL, con	centration	s >= to the	e MDL but <	RL, if found, a	re qualified w	/ith a "J" flag.	
Parameter		<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date</u> Prepared	<u>Date</u> Analyzed	Method
Phenolics, Total		0.75	0.10	0.046	1		mg/L	05/19/11	05/19/11	EPA 420.1
Sulfide, Total		ND	0.050	0.042	1		mg/L	05/19/11	05/19/11	SM 4500 S2 - D
Cyanide, Total		ND	0.020	0.0070	1		mg/L	05/21/11	05/21/11	SM 4500-CN E
Oil and Grease		ND	1.0	0.88	1		mg/L	05/23/11	05/23/11	SM 5520 B
Outfall				11-05-12	226-20	05/18/11	Aqueous			
Comment(s):	Results were eval	luated to the N	/IDL, con	centration	s >= to the	e MDL but <	RL, if found, a	re qualified w	vith a "J" flag.	
Parameter		<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	Date Prepared	Date Analyzed	Method
Phenolics, Total		1.3	0.10	0.046	1		mg/L	05/19/11	05/19/11	EPA 420.1
Sulfide, Total		ND	0.050	0.042	1		mg/L	05/19/11	05/19/11	SM 4500 S2 - D
Cyanide, Total		ND	0.020	0.0070			mg/L	05/21/11	05/21/11	SM 4500-CN E
		-								

RL - Reporting Limit , DF - Dilution Factor ,

ND

Qual - Qualifiers

0.88

1

1.0

Oil and Grease

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mg/L

05/23/11

05/23/11

SM 5520 B

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Southern California Edison Company Edison Chemical Services 7301 Fenwick Lane, 2nd Floor Westminster, CA 92683-5202 Date Received: Work Order No:

05/19/11
11-05-1226

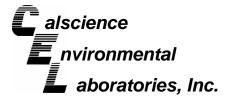
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## Project: El Segundo 24-Hour Study

Client Sample Numb	ber	L	ab Sampl	le Number	Date Collected	Matrix					
Outfall			11-05-12	26-21	05/18/11	Aqueous					
Comment(s):	Results were evaluated to the N	IDL, con	centration	s >= to the	MDL but <	RL, if found, a	re qualified w	ith a "J" flag.			
Parameter	<u>Result</u>	<u>RL</u>	MDL	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date</u> Prepared	<u>Date</u> Analyzed	Method		
Phenolics, Total	0.55	0.10	0.046	1		mg/L	05/19/11	05/19/11	EPA 420.1		
Sulfide, Total	ND	0.050	0.042	1		mg/L	05/19/11	05/19/11	SM 4500 S2 - D		
Cyanide, Total	ND	0.020	0.0070	1		mg/L	05/21/11	05/21/11	SM 4500-CN E		
Oil and Grease	ND	1.0	0.88	1		mg/L	05/23/11	05/23/11	SM 5520 B		
Outfall			11-05-12	26-22	05/18/11	Aqueous					
Comment(s):	Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.										
Parameter	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date</u> Prepared	<u>Date</u> Analyzed	Method		
Phenolics, Total	0.66	0.10	0.046	1		mg/L	05/19/11	05/19/11	EPA 420.1		
						-					
Sulfide, Total	ND	0.050	0.042	1		mg/L	05/19/11	05/19/11	SM 4500 S2 - D		
Sulfide, Total Cyanide, Total	ND ND	0.050 0.020	0.042 0.0070	•		mg/L mg/L	05/19/11 05/21/11	05/19/11 05/21/11	SM 4500 S2 - D SM 4500-CN E		
,				•		0					
Cyanide, Total	ND	0.020	0.0070	1		mg/L	05/21/11	05/21/11	SM 4500-CN E		
Cyanide, Total	ND 1.0	0.020	0.0070	1	05/17/11	mg/L	05/21/11	05/21/11	SM 4500-CN E		
Cyanide, Total Oil and Grease	ND 1.0	0.020	0.0070 0.88 11-05-12	1 1 226-23		mg/L mg/L Aqueous	05/21/11 05/23/11	05/21/11 05/23/11	SM 4500-CN E		
Cyanide, Total Oil and Grease Outfall Duplicate	ND 1.0	0.020	0.0070 0.88 11-05-12	1 1 226-23		mg/L mg/L Aqueous	05/21/11 05/23/11	05/21/11 05/23/11	SM 4500-CN E		
Cyanide, Total Oil and Grease Outfall Duplicate Comment(s):	ND 1.0 Results were evaluated to the M	0.020 1.0	0.0070 0.88 11-05-12	1 1 226-23 s >= to the <u>DF</u>	MDL but <	mg/L mg/L Aqueous	05/21/11 05/23/11 re qualified w <u>Date</u>	05/21/11 05/23/11 ith a "J" flag. <u>Date</u>	SM 4500-CN E SM 5520 B		



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Southern California Edison Company Edison Chemical Services 7301 Fenwick Lane, 2nd Floor Westminster, CA 92683-5202 Date Received: Work Order No:



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## Project: El Segundo 24-Hour Study

Client Sample Number		L	ab Sampl	le Number	Date Collected	Matrix			
Method Blank					N/A	Aqueous			
Parameter	<u>Result</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>	<u>Date</u> Prepared	<u>Date</u> Analyzed	<u>Method</u>
Fluoride	ND	0.10	0.033	1		mg/L	N/A	05/19/11	EPA 300.0
Bromide	ND	0.10	0.056	1		mg/L	N/A	05/19/11	EPA 300.0
Phenolics, Total	ND	0.10	0.046	1		mg/L	05/19/11	05/19/11	EPA 420.1
Total Kjeldahl Nitrogen	ND	0.50	0.46	1		mg/L	05/23/11	05/23/11	SM 4500 N Org B
Total Phosphate	ND	0.31	0.067	1		mg/L	05/23/11	05/23/11	SM 4500 P B/E
Sulfide, Total	ND	0.050	0.042	1		mg/L	05/19/11	05/19/11	SM 4500 S2 - D
Sulfide, Total	ND	0.050	0.042	1		mg/L	05/19/11	05/19/11	SM 4500 S2 - D
Cyanide, Total	ND	0.020	0.0070	1		mg/L	05/19/11	05/19/11	SM 4500-CN E
Cyanide, Total	ND	0.020	0.0070	1		mg/L	05/21/11	05/21/11	SM 4500-CN E
Ammonia (as N)	ND	0.10	0.094	1		mg/L	05/23/11	05/23/11	SM 4500-NH3 B/C
Biochemical Oxygen Demand	ND	1.0	0.58	1		mg/L	05/19/11	05/24/11	SM 5210 B
Carbon, Total Organic	ND	0.50	0.10	1		mg/L	N/A	05/19/11	SM 5310 D
Oil and Grease	ND	1.0	0.88	1		mg/L	05/20/11	05/20/11	SM 5520 B
Oil and Grease	ND	1.0	0.88	1		mg/L	05/23/11	05/23/11	SM 5520 B
MBAS	ND	0.10	0.089	1		mg/L	05/19/11	05/19/11	SM 5540C





Date Received:	05/19/11
Work Order No:	11-05-1226
Preparation:	N/A
Method:	EPA 200.8

## Project El Segundo 24-Hour Study

Quality Control Sample ID	Matrix	Instrument	Date Prepared 05/23/11		Date Analyzed	MS/MSD Batch Number 110523S02	
Intake Composite Duplicate	Aqueou	s ICP/MS 04			05/23/11		
Parameter	MS %REC	MSD %REC	<u>%REC CL</u>	<u>RPD</u>	RPD CL	Qualifiers	
Antimony	108	109	80-120	1	0-20		
Arsenic	112	111	80-120	1	0-20		
Barium	109	112	80-120	3	0-20		
Beryllium	103	108	80-120	5	0-20		
Cadmium	107	105	80-120	2	0-20		
Chromium	105	105	80-120	0	0-20		
Cobalt	100	100	80-120	0	0-20		
Copper	101	103	80-120	2	0-20		
Lead	109	108	80-120	0	0-20		
Molybdenum	114	116	80-120	2	0-20		
Nickel	106	105	80-120	1	0-20		
Selenium	102	104	80-120	2	0-20		
Silver	121	120	80-120	1	0-20	3	
Thallium	104	106	80-120	3	0-20		
Zinc	144	141	80-120	2	0-20	3	
Aluminum	154	238	80-120	43	0-20	3,4	
Iron	195	231	80-120	17	0-20	3	
Manganese	102	100	80-120	1	0-20		
Tin	107	106	80-120	1	0-20		
Boron	4X	4X	80-120	4X	0-20	Q	

RPD - Relative Percent Difference, CL - Control Limit

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Date Received Work Order No: Preparation: Method:

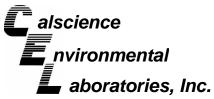
## 05/19/11 11-05-1226 N/A EPA 200.8

## Project: El Segundo 24-Hour Study

Quality Control Sample ID Intake Composite Duplicate		D Matrix Instrument		Date Prepared	Date Analyzed		PDS / PDSD Batch Number
		Aqueous	ICP/MS 04	05/23/11	05/23/11		110523S02
Analysis Comment:	* - Analyzed 5/24/2011	1:59:32 PM					
Parameter		PDS %REC	PDSD %REC	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	Qualifiers
Antimony		99	102	75-125	2	0-20	
Arsenic		95	97	75-125	2	0-20	
Barium		105	104	75-125	1	0-20	
Beryllium		103	105	75-125	2	0-20	
Cadmium		95	96	75-125	1	0-20	
Chromium		95	94	75-125	0	0-20	
Cobalt		90	91	75-125	1	0-20	
Copper		94	95	75-125	1	0-20	
Lead		98	100	75-125	1	0-20	
Molybdenum		111	115	75-125	3	0-20	
Nickel		95	95	75-125	0	0-20	
Selenium		92	92	75-125	0	0-20	
Silver		99	100	75-125	1	0-20	
Thallium		99	99	75-125	0	0-20	
Zinc		106	118	75-125	11	0-20	
Aluminum		100	101	75-125	1	0-20	
Iron		100	101	75-125	1	0-20	
Manganese		87	88	75-125	1	0-20	
Tin		99	101	75-125	3	0-20	
Boron		56	61	75-125	1	0-20	5

RPD - Relative Percent Difference, CL - Control Limit

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Date Received:
Work Order No:
Preparation:
Method:

05/19/11 11-05-1226 EPA 245.1 Total EPA 245.1

## Project El Segundo 24-Hour Study

Quality Control Sample ID	Matrix	Instrument	Date Prepared	,	Date Analyzed	MS/MSD Batch Number
Outfall Composite duplicate	Aqueous	s Mercury	05/20/11		05/20/11	110520S01
Parameter	<u>MS %REC</u>	MSD %REC	<u>%REC CL</u>	<u>RPD</u>	RPD CL	Qualifiers
Mercury	99	98	57-141	1	0-10	

RPD - Relative Percent Difference, CL - Control Limit



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Date Received: Work Order No:



N/A 11-05-1226

Project: El Segundo 24-Hour Study

#### Matrix: Aqueous or Solid

Parameter	Method	Quality Control Sample ID	<u>Date</u> Analvzed	<u>Date</u> Extracted	<u>MS%</u> REC	MSD % REC	<u>%REC</u> <u>CL</u>	<u>RPD</u>	<u>RPD</u> <u>CL</u>	<u>Qualifiers</u>
Fluoride	EPA 300.0	Intake Composite	05/19/11	N/A	104	102	80-120	1	0-20	
Bromide	EPA 300.0	Intake Composite	05/19/11	N/A	102	101	80-120	1	0-20	
Total Phosphate	SM 4500 P B/E	Outfall Composite	05/23/11	5/23/11	113	116	70-130	3	0-25	
Carbon, Total Organic	SM 5310 D	11-05-1263-1	05/19/11	N/A	95	95	75-125	1	0-25	

RPD - Relative Percent Difference, CL - Control Limit

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Date Received: Work Order No:

N/A 11-05-1226

Project: El Segundo 24-Hour Study

#### Matrix: Aqueous or Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	<u>RPD</u>	RPD CL	Qualifiers
Color	SM 2120 B	Outfall Composite	05/19/11	5.0	5.0	0	0-25	
Total Kjeldahl Nitrogen	SM 4500 N Org B	11-05-1196-5	05/23/11	43	43	1	0-25	
Sulfide, Total	SM 4500 S2 - D	11-05-0908-1	05/19/11	ND	ND	NA	0-25	
Sulfide, Total	SM 4500 S2 - D	Outfall	05/19/11	ND	ND	NA	0-25	
Biochemical Oxygen Demand	SM 5210 B	11-05-1196-1	05/24/11	4.6	4.5	2	0-25	
Oil and Grease	SM 5520 B	Intake	05/20/11	ND	ND	NA	0-25	

RPD - Relative Percent Difference, CL - Control Limit

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Date Received: Work Order No: Preparation: Method: N/A 11-05-1226 N/A EPA 200.8

## Project: El Segundo 24-Hour Study

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Da Anal		LCS/LCSD I Numbe	
099-10-008-1,650	Aqueous	ICP/MS 04	05/23/11	05/23/	05/23/11 110523L02		02
Parameter	LCS %REC	LCSD %REC	<u>%REC CL</u>	ME CL	<u>RPD</u>	RPD CL	Qualifiers
Antimony	107	101	85-115	80-120	6	0-20	
Arsenic	97	99	85-115	80-120	1	0-20	
Barium	103	97	85-115	80-120	6	0-20	
Beryllium	112	115	85-115	80-120	3	0-20	
Cadmium	113	104	85-115	80-120	9	0-20	
Chromium	88	98	85-115	80-120	11	0-20	
Cobalt	98	98	85-115	80-120	0	0-20	
Copper	104	102	85-115	80-120	1	0-20	
Lead	97	98	85-115	80-120	1	0-20	
Molybdenum	104	105	85-115	80-120	1	0-20	
Nickel	89	100	85-115	80-120	12	0-20	
Selenium	101	97	85-115	80-120	4	0-20	
Silver	93	91	85-115	80-120	3	0-20	
Thallium	95	98	85-115	80-120	3	0-20	
Zinc	104	101	85-115	80-120	3	0-20	
Aluminum	96	113	85-115	80-120	16	0-20	
Iron	97	97	85-115	80-120	0	0-20	
Manganese	97	97	85-115	80-120	0	0-20	
Tin	102	99	85-115	80-120	3	0-20	
Boron	100	106	85-115	80-120	6	0-20	

Total number of LCS compounds : 20

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference, CL - Control Limit

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Date Received:	
Work Order No:	
Preparation:	
Method:	

N/A 11-05-1226 EPA 245.1 Total EPA 245.1

# Project: El Segundo 24-Hour Study

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batc Number	h
099-04-008-5,360	Aqueous	Mercury	05/20/11	05/20/11	110520L01	
Parameter	LCS %		%REC %F		) RPD CL	Qualifiers
Mercury	<u>-LCG /</u> 96	<u>96</u>		85-121 0	0-10	Qualifiers

RPD - Relative Percent Difference, CL - Control Limit



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Date Received: Work Order No:



Project: El Segundo 24-Hour Study

#### Matrix: Aqueous or Solid

Parameter	Method	<u>Quality Control</u> Sample ID	Date Extracted	<u>Date</u> Analyzed	LCS % REC	LCSD % REC	<u>%REC</u> <u>CL</u>	<u>RPD</u>	<u>RPD</u> <u>CL</u>	<u>Qual</u>
Fluoride	EPA 300.0	099-12-906-1,802	N/A	05/19/11	100	104	90-110	4	0-15	
Bromide	EPA 300.0	099-12-906-1,802	N/A	05/19/11	103	103	90-110	0	0-15	
Total Phosphate	SM 4500 P B/E	099-14-276-32	05/23/11	05/23/11	109	107	80-120	2	0-20	
Cyanide, Total	SM 4500-CN E	099-05-061-3,090	05/19/11	05/19/11	84	82	80-120	1	0-20	
Cyanide, Total	SM 4500-CN E	099-05-061-3,091	05/21/11	05/21/11	82	83	80-120	1	0-20	
Phenolics, Total	EPA 420.1	099-05-085-2,382	05/19/11	05/19/11	97	95	80-120	2	0-20	
MBAS	SM 5540C	099-05-093-2,223	05/19/11	05/19/11	98	98	80-120	0	0-20	
Carbon, Total Organic	SM 5310 D	099-05-097-4,291	N/A	05/19/11	98	97	80-120	1	0-20	
Ammonia (as N)	SM 4500-NH3 B	099-12-814-1,016	05/23/11	05/23/11	101	101	80-120	0	0-20	

RPD - Relative Percent Difference, CL - Control Limit

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# **Glossary of Terms and Qualifiers**



Work Order Number: 11-05-1226

<u>Qualifier</u>	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution,
_	therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the
	sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control
	and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and,
	hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
В	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
Е	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter
<u>a</u>	concentration in the sample exceeding the spike concentration by a factor of four or greater.
Х	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Calid Unloss otherwise indicated calid comple data is reported as a wet weight basis not

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.





Calscience Environmental Laboratories, Inc. 7440 Lincoln Way Garden Grove, CA 92841-1427

**Edison ESI P.O. Number:** Send analytical report to: Send copies of invoice to:

#### ESI6363B

Shawn Simmons (shawn.simmons@sce.com) Tel: (714) 895-0525 Shawn Simmons (shawn.simmons@sce.com) and Lisa Dela Pina (lisa.delapina@sce.com) In all correspondence refer to project: El Segundo 24-Hour Study

Sample(s) are submitted for treatment/disposition as described below.

	Sample ID	Date Collected	Time Collected	Description/Analytes
I	Intake Composite	5/17-5/18	12:00-12:00	250-mL plastic w/ HNO <sub>3</sub> for Sb, As, Be, Cd,
				Cr, Cu, Pb, Hg, Ni, Se, Ag, Tl, and Zn in
				seawater by Methods 200.8/245.1
2	Intake Composite duplicate	5/17-5/18	12:00-12:00	250-mL plastic w/ HNO <sub>3</sub> for Sb, As, Be, Cd,
				Cr, Cu, Pb, Hg, Ni, Se, Ag, Tl, and Zn in
				seawater by Methods 200.8/245.1
3	Outfall Composite	5/17-5/18	12:00-12:00	250-mL plastic w/ HNO <sub>3</sub> for Sb, As, Be, Cd,
				Cr, Cu, Pb, Hg, Ni, Se, Ag, Tl, and Zn in
				seawater by Methods 200.8/245.1
4	Outfall Composite	5/17-5/18	12:00-12:00	250-mL plastic w/ HNO3 for Sb, As, Be, Cd,
•	duplicate			Cr, Cu, Pb, Hg, Ni, Se, Ag, Tl, and Zn in
				seawater by Methods 200.8/245.1

**Special Instructions:** Show J-Flags for Results. RUSH 4-DAY TURN AROUND For those metals to be analyzed by Method 200.8, please run at a 5:1 sample dilution. Use oxygen reaction gas for arsenic (for mass 91). Use ammonia for chromium, copper, nickel, selenium, and zinc.

Sampler:	1			0		/.			
AZNAR	Tunnar	Dette	hal			1/ 2	A	<b>D</b> C	
TIZNAK	HOMAS Print Name	Date: 5 Time: 7		n/ - / -	j <u> </u>	/ Ven D	12-	Date:5	119 10
and a star of the star part of the first	r min name	Time: /	<u>~</u> /~	<u> </u>	Signa	<i>k</i> ure		Time:	750

#### Chain of Custody:

Lexy Thomas	Date: 5 15 11	Alun ca	Date: 05/19/11
<b>R</b> elinquished By	Time: 1039	Received By	Time: 1039
	Date:		Date:
Relinquished By	Time	Received By	Time:





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## SAMPLE ANALYSIS MEMORANDUM TO:

Calscience Environmental Laboratories, Inc. 7440 Lincoln Way Garden Grove, CA 92841-1427

Edison ESI P.O. Number: Send analytical report to: Send copies of invoice to:

## ESI6363B

 Shawn Simmons (shawn.simmons@sce.com)
 Tel: (714) 895-0525

 Shawn Simmons (shawn.simmons@sce.com) and Lisa Dela Pina
 (lisa.delapina@sce.com)

 project:
 El Segundo 24-Hour Study

In all correspondence refer to project: El Segundo 24-Hour Study Sample(s) are submitted for treatment/disposition as described below.

	Sample ID	Date Collected	Time Collected	Description/Analytes
Ĭ	Intake Composite	5/17-5/18	12:00-12:00	250-mL plastic w/ HNO <sub>3</sub> for Al, Ba, B, Co, Fe,
				Mo, Mn, Sn, and Ti in seawater by Method
				200.8
2	Intake Composite duplicate	5/17-5/18	12:00-12:00	250-mL plastic w/ HNO <sub>3</sub> for Al, Ba, B, Co, Fe,
				Mo, Mn, Sn, and Ti in seawater by Method
-				200.8
3	Outfall Composite	5/17-5/18	12:00-12:00	250-mL plastic w/ HNO <sub>3</sub> for Al, Ba, B, Co, Fe,
-				Mo, Mn, Sn, and Ti in seawater by Method
				200.8
4	Outfall Composite	5/17-5/18	12:00-12:00	250-mL plastic w/ HNO3 for Al, Ba, B, Co, Fe,
,	duplicate			Mo, Mn, Sn, and Ti in seawater by Method
				200.8

Special Instructions:			
Show J-Flags for Results.		RUSH 4-DAY TURN AROU	ND
Please run at a 5:1 sample dilution. W	hen appropria	ate, use oxygen and ammonia DRC ga	ses.
Sampler:			
AZNAR/THOMAS	Date; Jig 11	P. Ch. ferm D. Th	Date: 5/19/1
Print Name	Time: 750	Signature	Time: 750'
	/	~ °/	1
Chain of Custody:			·
Larry Thomas	Date: 5/15/11	Altime	Date: 05/19/11
Relinquished By	Time: 039	Received By	Time: /039
	Date:		Date:
Relinquished By	Time	Received By	Time:





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POWER PRODUCTION CHEMICAL 7301 Fenwick Lane, 2<sup>nd</sup> floor, Westminster, CA 92683 Phone: (714) 895-0525; Fax: (714) 895-0515

#### SAMPLE ANALYSIS MEMORANDUM TO:

Calscience Environmental Laboratories, Inc. 7440 Lincoln Way Garden Grove, CA 92841-1427

**Edison ESI P.O. Number:** Send analytical report to: Send copies of invoice to:

#### ESI6363B

Shawn Simmons (shawn.simmons@sce.com) Tel: (714) 895-0525 Shawn Simmons (shawn.simmons@sce.com) and Lisa Dela Pina (lisa.delapina@sce.com) In all correspondence refer to project: El Segundo 24-Hour Study

Sample(s) are submitted for treatment/disposition as described below.

Sample ID	Date Collected	Time Collected	Description/Analytes
Intake Composite	5/17-5/18	12:00-12:00	1-L plastic for BOD by SM SM 5210 B
Outfall Composite	5/17-5/18	12:20-12:20	1-L plastic for BOD by SM SM 5210 B
Outfall Composite Dup	5/17-5/18	12:20-12:20	1-L plastic for BOD by SM SM 5210 B
Intake composite	5/17-5/18	12:00-12:00	250-mL glass w/ $H_2SO_4$ for TOC by SM 5310D
Outfall Composite	5/17-5/18	12:20-12:20	250-mL glass w/ $H_2SO_4$ for TOC by SM 5310D
Outfall Composite Dup	5/17-5/18	12:20-12:20	250-mL glass w/ $H_2SO_4$ for TOC by SM 5310D
Intake composite	5/17-5/18	12:00-12:00	1-L glass w/ H <sub>2</sub> SO <sub>4</sub> for NH <sub>3</sub> -N by 4500-NH <sub>3</sub> B/C
Outfall Composite	5/17-5/18	12:20-12:20	1-L glass w/ H <sub>2</sub> SO <sub>4</sub> for NH <sub>3</sub> -N by 4500-NH <sub>3</sub> B/C

**Special Instructions:** Show J-Flags for Results **RUSH 4-DAY TURN AROUND** 

Sampler: Date: Date: 19 HOMAS 19 ZNAR **Print Name** Time: (b) Signature Time: 094 **Chain of Custody:** Date:05 Date: 5/19/11 1911 1a orr Relinguished By Time: 1039 **Received By** Time: Date: Date: **Relinquished By** Time **Received By** Time:





A SOUTHERN CALIFORNIA EDISON® Company

POWER PRODUCTION CHEMICAL 7301 Fenwick Lane, 2<sup>nd</sup> floor, Westminster, CA 92683 Phone: (714) 895-0525; Fax: (714) 895-0515

## SAMPLE ANALYSIS MEMORANDUM TO:

Calscience Environmental Laboratories, Inc. 7440 Lincoln Way Garden Grove, CA 92841-1427

Edison ESI P.O. Number: Send analytical report to: Send copies of invoice to:

#### ESI6363B

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 (lisa.delapina@sce.com)

 (lisa.delapina@sce.com)
 Tel: (714) 895-0525

In all correspondence refer to project: El Segundo 24-Hour Study Sample(s) are submitted for treatment/disposition as described below.

	Sample ID	Date Collected	Time Collected	Description/Analytes
	Intake Composite	5/17-5/18	12:00-12:00	500-mL plastic for MBAS by SM 5540 C
3	Outfall Composite	5/17-5/18	12:20-12:20	500-mL plastic for MBAS by SM 5540 C
	Intake Composite 5/17-5/1		12:00-12:00	250-mL gl. w/ $H_2SO_4$ for Tot. PO <sub>4</sub> by 4500 P B/E
3	Outfall Composite 5/17-5/18		12:20-12:20	250-mL gl. w/ $H_2SO_4$ for Tot. PO <sub>4</sub> by 4500 P B/E
	Intake Composite	5/17-5/18	12:00-12:00	500-mL plastic for Fluoride, Bromide, and Color
3	Outfall Composite	5/17-5/18	12:20-12:20	500-mL plastic for Fluoride, Bromide, and Color
i	Intake Composite	5/17-5/18	12:00-12:00	1-L glass w/ H <sub>2</sub> SO <sub>4</sub> for TKN by SM 4500-N <sub>org</sub> B
3	Outfall Composite	5/17-5/18	12:20-12:20	1-L glass w/ H <sub>2</sub> SO <sub>4</sub> for TKN by SM 4500-N <sub>org</sub> B

Special Instructions:				
	Show J-Flags f	or Results		~~~~~
	RUSH 4-DAY TU			
			1	
Sampler:			/	
AZNAR/THOMAS	Date: SIS U	đ.,	/ P. J. Th	- Date: 5/15/11
Print Name	Time: 0'940	Signa	ture	Time:
/ Chain of Custody:		0/		
Lowy Thomas	Date: 5/15/11	Alani	<u> </u>	Date: 05/19/11
Relinquished By	Time: 1035	Receive	d By	Time: 1039





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## SAMPLE ANALYSIS MEMORANDUM TO:

Calscience Environmental Laboratories, Inc. 7440 Lincoln Way Garden Grove, CA 92841-1427

Edison ESI P.O. Number: Send analytical report to: Send copies of invoice to:

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## ESI6363B

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 Tel: (714) 895-0525

 Shawn Simmons (shawn.simmons@sce.com) and Lisa Dela Pina
 (lisa.delapina@sce.com)

 (lisa.delapina@sce.com)
 1 244 M

In all correspondence refer to project: El Segundo 24-Hour Study Sample(s) are submitted for treatment/disposition as described below.

	Sample ID	Date Collected	Time Collected	Description/Analytes
{	Intake Composite Intake Composite Intake Composite Intake Composite	05/17-05/18 05/17-05/18 05/17-05/18 05/17-05/18	12:00-12:00 12:00-12:00 12:00-12:00 12:00-12:00	<ul> <li>1-L plastic for Gross Alpha by Method 900</li> <li>1-L plastic for Gross Beta by Method 900</li> <li>1-L plastic w/ HNO<sub>3</sub> for Radium 226 by 903.0</li> <li>1-L plastic w/ HNO<sub>3</sub> for Total Radium 226 by 903.1</li> </ul>
	Outfall Composite Outfall Composite Outfall Composite Outfall Composite	05/17-05/18 05/17-05/18 05/17-05/18 05/17-05/18	12:20-12:20 12:20-12:20 12:20-12:20 12:20-12:20	<ul> <li>1-L plastic for Gross Alpha by Method 900</li> <li>1-L plastic for Gross Beta by Method 900</li> <li>1-L plastic w/ HNO<sub>3</sub> for Radium 226 by 903.0</li> <li>1-L plastic w/ HNO<sub>3</sub> for Total Radium 226 by 903.1</li> </ul>

Special Instructions:
Show J-Flags for Results
RUSH 4-DAY TURN AROUND

Sampler:				Δ	$\int$	)	
Larry Thomas/Lize Denon	Date: 5/19/1)	Jen	DAL	IPh	¥	$\gamma$	Date: 5/14/11
Print Name	Time: 1500	an a	Sign	apure	1		Time: 0925
· ·				/	T	$\rangle$	2

#### **Chain of Custody:**

Larry -	Thomas	Date:	shel n	Atrue ca	Date:	05/19/1
/ <sub>R</sub>	elinquished By	Time:	1039	Received By	Time:	1039
		Date:			Date:	
R	elinquished By	Time		Received By	Time:	





A SOUTHERN CALIFORNIA EDISON® Company

## SAMPLE ANALYSIS MEMORANDUM TO:

Calscience Environmental Laboratories, Inc. 7440 Lincoln Way Garden Grove, CA 92841-1427

Edison ESI P.O. Number: Send analytical report to: Send copies of invoice to:

#### ESI6363B

 Shawn Simmons (shawn.simmons@sce.com)
 Tel: (714) 895-0525

 Shawn Simmons (shawn.simmons@sce.com) and Lisa Dela Pina
 (lisa.delapina@sce.com)

 (lisa.delapina@sce.com)
 1

In all correspondence refer to project: El Segundo 24-Hour Study

	Sample ID	Date Collected	Time Collected	Description/Analytes
5	Intake	5/17/11	12:00	Total Sulfide by SM4500 S <sup>-2</sup> D
Ģ	Intake	5/17/11	15:00	Total Sulfide by SM4500 S <sup>-2</sup> D
7	Intake	5/17/11	18:00	Total Sulfide by SM4500 S <sup>-2</sup> D
8	Intake	5/17/11	21:00	Total Sulfide by SM4500 S <sup>-2</sup> D
9	Intake	5/18/11	00:00	Total Sulfide by SM4500 S <sup>-2</sup> D
10	Intake	5/18/11	03:00	Total Sulfide by SM4500 S <sup>-2</sup> D
11	Intake	5/18/11	06:00	Total Sulfide by SM4500 S <sup>-2</sup> D
12	Intake	5/18/11	09:00	Total Sulfide by SM4500 S <sup>-2</sup> D
13	Intake	5/18/11	12:00	Total Sulfide by SM4500 S <sup>-2</sup> D
1	Intake Composite	5/17-5/18	12:00-12:00	Total Sulfide by SM4500 S <sup>-2</sup> D

Special Instructions:			
	Show J-Flag	s for Results	
RL	SH 4-DAY T	URN AROUND	
Sampler: /	s ,		
AZNAR/ THOMAS	Date: 5/19/1	1 gar Jam D. The	_ Date: 5 16 11
Print Name	Time: 0320	Signature	Time: 0820
Chain of Custody:	l l	/	
Levry Thomas	Date: 5/9/11	Alune	Date: 05/19/11
Relinquished By	Time: 10 39	Received By	Time: +038 D
	Date:		Date: Jialu
Relinquished By	Time	Received By	Time:





A SOUTHERN CALIFORNIA EDISON® Company

## SAMPLE ANALYSIS MEMORANDUM TO:



Calscience Environmental Laboratories, Inc. 7440 Lincoln Way Garden Grove, CA 92841-1427

**Edison ESI P.O. Number:** Send analytical report to: Send copies of invoice to:

ESI6363B

Shawn Simmons (shawn.simmons@sce.com) Tel: (714) 895-0525 Shawn Simmons (shawn.simmons@sce.com) and Lisa Dela Pina (lisa.delapina@sce.com) El Segundo 24-Hour Study In all correspondence refer to project:

	Sample ID	Date Collected	Time Collected	Description/Analytes
5	Intake	5/17/11	12:00	500-mL H <sub>2</sub> SO <sub>4</sub> by Total Phenolics by EPA 420.1
C	Intake	5/17/11	15:00	500-mL H <sub>2</sub> SO <sub>4</sub> by Total Phenolics by EPA 420.1
7	Intake	5/17/11	18:00	500-mL H <sub>2</sub> SO <sub>4</sub> by Total Phenolics by EPA 420.1
8	Intake	5/17/11	21:00	500-mL H <sub>2</sub> SO <sub>4</sub> by Total Phenolics by EPA 420.1
G	Intake	5/18/11	00:00	500-mL H <sub>2</sub> SO <sub>4</sub> by Total Phenolics by EPA 420.1
10	Intake	5/18/11	03:00	500-mL H <sub>2</sub> SO <sub>4</sub> by Total Phenolics by EPA 420.1
1)	Intake	5/18/11	06:00	500-mL H <sub>2</sub> SO <sub>4</sub> by Total Phenolics by EPA 420.1
12	Intake	5/18/11	09:00	500-mL H <sub>2</sub> SO <sub>4</sub> by Total Phenolics by EPA 420.1
13	Intake	5/18/11	12:00	500-mL H <sub>2</sub> SO <sub>4</sub> by Total Phenolics by EPA 420.1

Special Instruction	ns:
	Show J-Flags for Results
	RUSH 4-DAY TURN AROUND

Sampler:	1 1	100	1 1
HZNAR THOMAS	Date: Sho H	full from D. The	Date SON
Print Name	Time:0941)	Signature	Time: 0940
Chain of Custody:	l	$\sim$	
Lorry Thumas	Date: 5/19/11	Alamin ca	Date: 05/19/11
Relinquished By	Time: 1039	Received By	Time: 1039
	Date:		Date:
Relinquished By	Time	Received By	Time:





A SOUTHERN CALIFORNIA EDISON® Company

POWER PRODUCTION CHEMICAL 7301 Fenwick Lane, 2<sup>nd</sup> floor, Westminster, CA 92683 Phone: (714) 895-0525; Fax: (714) 895-0515

## SAMPLE ANALYSIS MEMORANDUM TO:

Calscience Environmental Laboratories, Inc. 7440 Lincoln Way Garden Grove, CA 92841-1427

Edison ESI P.O. Number: Send analytical report to: Send copies of invoice to:

#### ESI6363B

 Shawn Simmons (shawn.simmons@sce.com)
 Tel: (714) 895-0525

 Shawn Simmons (shawn.simmons@sce.com) and Lisa Dela Pina

 (lisa.delapina@sce.com)

In all correspondence refer to project: El Segundo 24-Hour Study

	Sample ID	Date Collected	Time Collected	Description/Analytes
5	Intake	5/17/11	12:00	Total Cyanide by SM4500 CN <sup>-</sup> C/E
6	Intake	5/17/11	15:00	Total Cyanide by SM4500 CN <sup>-</sup> C/E
7	Intake	5/17/11	18:00	Total Cyanide by SM4500 CN <sup>-</sup> C/E
8	Intake	5/17/11	21:00	Total Cyanide by SM4500 CN <sup>-</sup> C/E
9	Intake	5/18/11	00:00	Total Cyanide by SM4500 CN <sup>-</sup> C/E
10	Intake	5/18/11	03:00	Total Cyanide by SM4500 CN <sup>-</sup> C/E
N	Intake	5/18/11	06:00	Total Cyanide by SM4500 CN <sup>-</sup> C/E
12	Intake	5/18/11	09:00	Total Cyanide by SM4500 CN <sup>-</sup> C/E
13	Intake	5/18/11	12:00	Total Cyanide by SM4500 CN <sup>-</sup> C/E

Special Instructions:			
	Show J-Flag	s for Results	
RU	JSH 4-DAY T	URN AROUND	
		j	
Sampler:			, ,
AZNAR/THOMAS	Date: 5191	- Chy Sandit	Date: 5 19 11
Chain of Custody:	Time: 0925	Signature	Time: 0925
Lorry Thomas	Date: 5/19/ 11	Alunk con	Date: 05/19/11
J Relinquished By	Time: 1039	Received By	Time: 1038 103
	1039 L.J. Date:		Date:
Relinguished By	Time	Received By	Time:



A SOUTHERN CALIFORNIA EDISON® Company

## SAMPLE ANALYSIS MEMORANDUM TO:

Calscience Environmental Laboratories, Inc. 7440 Lincoln Way Garden Grove, CA 92841-1427

**Edison ESI P.O. Number:** Send analytical report to: Send copies of invoice to:

.

#### ESI6363B

Shawn Simmons (shawn.simmons@sce.com) Tel: (714) 895-0525 Shawn Simmons (shawn.simmons@sce.com) and Lisa Dela Pina (lisa.delapina@sce.com) In all correspondence refer to project: El Segundo 24-Hour Study

	Sample ID	Date Collected	Time Collected	Description/Analytes
5	Intake	5/17/11	12:00	Oil and Grease by SM5520B
,	Intake	5/17/11	15:00	Oil and Grease by SM5520B
. ſ	Intake	5/17/11	18:00	Oil and Grease by SM5520B
1	Intake Spike	5/17/11	18:00	Oil and Grease by SM5520B (for CEL to spike)
8	Intake	5/17/11	21:00	Oil and Grease by SM5520B
9	Intake	5/18/11	00:00	Oil and Grease by SM5520B
10	Intake	5/18/11	03:00	Oil and Grease by SM5520B
0	Intake	5/18/11	06:00	Oil and Grease by SM5520B
2	Intake	5/18/11	09:00	Oil and Grease by SM5520B
3	Intake	5/18/11	12:00	Oil and Grease by SM5520B
<b>´</b>	(*************************************			

Special Instructions:
Show J-Flags for Results
RUSH 4-DAY TURN AROUND

Sampler:				_
AZNAR/THOMAS	Date:513	A. Chand Hemd FL	Date: 5 10 1	
Print Name	Time: 0925	Fignature	Time: 0925	
Chain of Custody:				_
Lerry Thomas	Date: 5 19/11	Ahmen ia	Date: 05/10/11	
Relinquished By	Time: 039	Received By	Time: -10-76-	Cs1,9/,,
	Date:		Date: 1039	<i>-</i> //9/ <sub>//</sub>
Relinquished By	Time	Received By	Time:	





EDISON ESI<sup>®</sup>

POWER PRODUCTION CHEMICAL 7301 Fenwick Lane, 2nd floor, Westminster, CA 92683 Phone: (714) 895-0525; Fax: (714) 895-0515

A SOUTHERN CALIFORNIA EDISON® Company

## SAMPLE ANALYSIS MEMORANDUM TO:

Calscience Environmental Laboratories, Inc. 7440 Lincoln Way Garden Grove, CA 92841-1427

Edison ESI P.O. Number: Send Send

#### ESI6363B

analytical report to:	Shawn Simmons (shawn.simmons@sce.com)	Tel:	(714) 895-0525	
copies of invoice to:	Shawn Simmons (shawn.simmons@sce.com) as	nd Lisa	Dela Pina	
-	(lisa.delapina@sce.com)			

In all correspondence refer to project: El Segundo 24-Hour Study Sample(s) are submitted for treatment/disposition as described below.

Sample ID	Date Collected	Time Collected	Description/Analytes
- Outfall	5/17/11	12:20	Total Sulfide by SM4500 S <sup>-2</sup> D
5 Outfall	5/17/11	15:20	Total Sulfide by SM4500 S <sup>-2</sup> D
Outfall	5/17/11	18:20	Total Sulfide by SM4500 S <sup>-2</sup> D
7 Outfall	5/17/11	21:20	Total Sulfide by SM4500 S <sup>-2</sup> D
8 Outfall	5/18/11	00:20	Total Sulfide by SM4500 S <sup>-2</sup> D
9 Outfall	5/18/11	03:20	Total Sulfide by SM4500 S <sup>-2</sup> D
o Outfall	5/18/11	06:20	Total Sulfide by SM4500 S <sup>-2</sup> D
) Outfall	5/18/11	09:20	Total Sulfide by SM4500 S <sup>-2</sup> D
➤ Outfall	5/18/11	12:20	Total Sulfide by SM4500 S <sup>-2</sup> D
3 Outfall Composite	5/17-5/18	12:20-12:20	Total Sulfide by SM4500 S <sup>-2</sup> D

Special Instructions:	
	Show J-Flags for Results
	RUSH 4-DAY TURN AROUND

Sampler:	Date 519	Z(A) (P) $T$	Date: 5/19/4
HZNAR/THOMAS Print Name	Time: 820	Signature	Time: 920
Chain of Custody:	l	U O	
Lerry Thuris	Date:5/19/11	Attame	Date:5/19/11
J Relinquished By	Time: 1039	Received By	Time: /039
	Date:		Date:
Relinquished By	Time	Received By	Time:





## SAMPLE ANALYSIS MEMORANDUM TO:

Calscience Environmental Laboratories, Inc. 7440 Lincoln Way Garden Grove, CA 92841-1427

**Edison ESI P.O. Number:** Send analytical report to: Send copies of invoice to:

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Shawn Simmons (shawn.simmons@sce.com) Tel: (714) 895-0525 Shawn Simmons (shawn.simmons@sce.com) and Lisa Dela Pina (lisa.delapina@sce.com) El Segundo 24-Hour Study In all correspondence refer to project:

1	Sample ID	Date Collected	Time Collected	Description/Analytes
14	Outfall	5/17/11	12:20	500-mL H <sub>2</sub> SO <sub>4</sub> by Total Phenolics by EPA 420.1
15	Outfall	5/17/11	15:20	500-mL H <sub>2</sub> SO <sub>4</sub> by Total Phenolics by EPA 420.1
16	Outfall	5/17/11	18:20	500-mL H <sub>2</sub> SO <sub>4</sub> by Total Phenolics by EPA 420.1
17	Outfall	5/17/11	21:20	500-mL H <sub>2</sub> SO <sub>4</sub> by Total Phenolics by EPA 420.1
18	Outfall	5/18/11	00:20	500-mL H <sub>2</sub> SO <sub>4</sub> by Total Phenolics by EPA 420.1
19	Outfall	5/18/11	03:20	500-mL H <sub>2</sub> SO <sub>4</sub> by Total Phenolics by EPA 420.1
20	Outfall	5/18/11	06:20	500-mL H <sub>2</sub> SO <sub>4</sub> by Total Phenolics by EPA 420.1
21	Outfall	5/18/11	09:20	500-mL H <sub>2</sub> SO <sub>4</sub> by Total Phenolics by EPA 420.1
22	Outfall	5/18/11	12:20	500-mL H <sub>2</sub> SO <sub>4</sub> by Total Phenolics by EPA 420.1

Special Instructions:			
	Show J-Flag	s for Results	
RU		URN AROUND	
/			
Sampler:			1
HENAR THOMAS	Date: 513 []	h & Jem ). The	Date: SO
Print Name	Time: 0910	Signature	Time: 0940
Chain of Custody:			
Lorry Thomas	Date: 5/19/11	Alanon ca	Date: 05/19/11
Relinquished By	Time: 1039	Received By	Time: 1039
	Date:		Date:
Relinquished By	Time	Received By	Time:





## SAMPLE ANALYSIS MEMORANDUM TO:

Calscience Environmental Laboratories, Inc. 7440 Lincoln Way Garden Grove, CA 92841-1427

**Edison ESI P.O. Number:** Send analytical report to: Send copies of invoice to:

#### ESI6363B

Shawn Simmons (shawn.simmons@sce.com) Tel: (714) 895-0525 Shawn Simmons (shawn.simmons@sce.com) and Lisa Dela Pina (lisa.delapina@sce.com) El Segundo 24-Hour Study In all correspondence refer to project:

Sample ID	Date Collected	Time Collected	Description/Analytes
Outfall	5/17/11	12:20	Total Cyanide by SM4500 CN <sup>-</sup> C/E
Outfall	5/17/11	15:20	Total Cyanide by SM4500 CN <sup>-</sup> C/E
Outfall	5/17/11	18:20	Total Cyanide by SM4500 CN <sup>-</sup> C/E
Outfall Duplicate	5/17/11	18:20	Total Cyanide by SM4500 CN <sup>-</sup> C/E
Outfall	5/18/11	21:20	Total Cyanide by SM4500 CN <sup>-</sup> C/E
Outfall	5/18/11	00:20	Total Cyanide by SM4500 CN <sup>-</sup> C/E
Outfall	5/18/11	03:20	Total Cyanide by SM4500 CN <sup>-</sup> C/E
Outfall	5/18/11	06:20	Total Cyanide by SM4500 CN <sup>-</sup> C/E
Outfall	5/18/11	09:20	Total Cyanide by SM4500 CN <sup>-</sup> C/E
Outfall	5/18/11	12:20	Total Cyanide by SM4500 CN <sup>-</sup> C/E
	Outfall         Outfall	Collected           Outfall         5/17/11           Outfall         5/18/11           Outfall         5/18/11           Outfall         5/18/11           Outfall         5/18/11           Outfall         5/18/11           Outfall         5/18/11	CollectedCollectedOutfall5/17/1112:20Outfall5/17/1115:20Outfall5/17/1118:20Outfall Duplicate5/17/1118:20Outfall5/18/1121:20Outfall5/18/1100:20Outfall5/18/1103:20Outfall5/18/1106:20Outfall5/18/1109:20

Special Instructions:			
	Show J-Flag	s for Results	
RU	JSH 4-DAY T	URN AROUND	
Sampler:		10	
HENAR / THOMAS	Date: 5 1911	A. (Lem). The	. Date:5/19/1
Print Name	Time:0925	Signature	Time: 1925
Chain of Custody:		V	
Long, Thomas	Date: 5/19/11	Abume	Date: 05/19/11
Relinquished By	Time: 1039	Received By	Time: 1037
	Date:		Date:
Relinguished By	Time	Received By	Time:





## SAMPLE ANALYSIS MEMORANDUM TO:

Calscience Environmental Laboratories, Inc. 7440 Lincoln Way Garden Grove, CA 92841-1427

Edison ESI P.O. Number: Send analytical report to: Send copies of invoice to:

#### ESI6363B

 tical report to:
 Shawn Simmons (shawn.simmons@sce.com)
 Tel: (714) 895-0525

 s of invoice to:
 Shawn Simmons (shawn.simmons@sce.com) and Lisa Dela Pina

 (lisa.delapina@sce.com)
 Tel: (114) 895-0525

In all correspondence refer to project: El Segundo 24-Hour Study Sample(s) are submitted for treatment/disposition as described below.

	Sample ID	Date Collected	Time Collected	Description/Analytes
14	Outfall	5/17/11	12:20	Oil and Grease by SM5520B
15	Outfall	5/17/11	15:20	Oil and Grease by SM5520B
16	Outfall	5/17/11	18:20	Oil and Grease by SM5520B
23	Outfall Duplicate	5/17/11	18:20	Oil and Grease by SM5520B
17	Outfall	5/17/11	21:20	Oil and Grease by SM5520B
18	Outfall	5/18/11	00:20	Oil and Grease by SM5520B
19	Outfall	5/18/11	03:20	Oil and Grease by SM5520B
20	Outfall	5/18/11	06:20	Oil and Grease by SM5520B
21	Outfall	5/18/11	09:20	Oil and Grease by SM5520B
22	Outfall	5/18/11	12:20	Oil and Grease by SM5520B

Special Instructions:			
	Show J-Flag	s for Results	
RU	JSH 4-DAY T	TURN AROUND	
SAmpler:	i	nm	
HZNAP/THOMAS	Date:5/19/11	& Un Henn ) th	Date: 5/15 1
Print Name	Time: 0725	Signature	Time: 0725
Chain of Custody:			·
Leriry Thomas	Date: 5/19/11	Alume	Date:05/19/11
Relinquished By	Time: 10 3 9	Received By	Time: +++39- 6
	Date:		Date: (034
Relinquished By	Time	Received By	Time:

	Page 34 of 39
WORK ORDER #: 11-	3-11226
And Antherita SAMPLE RECEIPT FORM	Cooler <u> </u> of <u>6</u>
CLIENT: SCE DATE:	05/19/11
TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)	
Temperature $3 \cdot 1^{\circ}C + 0.5^{\circ}C (CF) = 3 \cdot 6^{\circ}C \square$ Blank	Sample
☐ Sample(s) outside temperature criteria (PM/APM contacted by:).	
$\Box$ Sample(s) outside temperature criteria but received on ice/chilled on same day of same	pling.
☐ Received at ambient temperature, placed on ice for transport by Courier.	
Ambient Temperature:	Initial: <u>NC</u>
CUSTODY SEALS INTACT:	
□ Cooler □ □ No (Not Intact) □ Not Present □ N/A	$\Lambda$ Initial: <u>NC</u>
□ Sample □ □ No (Not Intact)	Initial: <u>NC</u>
SAMPLE CONDITION: Yes	No N/A
Chain-Of-Custody (COC) document(s) received with samples	
COC document(s) received complete	
$\Box$ Collection date/time, matrix, and/or # of containers logged in based on sample labels.	
$\Box$ No analysis requested. $\Box$ Not relinquished. $\Box$ No date/time relinquished.	
Sampler's name indicated on COC	
Sample container label(s) consistent with COC	
Sample container(s) intact and good condition	
Proper containers and sufficient volume for analyses requested	
Analyses received within holding time $\checkmark$	
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours $\Box$ ,	
Proper preservation noted on COC or sample container	
□ Unpreserved vials received for Volatiles analysis	
Volatile analysis container(s) free of headspace $\Box$	
Tedlar bag(s) free of condensation	
Solid: □4ozCGJ □8ozCGJ □16ozCGJ □Sleeve () □EnCores <sup>®</sup> □Terr	aCores® □
Water: □VOA □VOAh □VOAna₂ □125AGB □125AGBh □125AGBp □1AGB	121 (75)
□500AGB □500AGJ □500AGJs □250AGB □250CGB 2250CGBs 1PB	
$\square 250 PB \square 250 PBn \square 125 PB \square 125 PBznna \square 100 PJ \square 100 PJ na_2 \square 198_n \square$	
Air: □Tedlar <sup>®</sup> □Summa <sup>®</sup> Other: □ Trip Blank Lot#: Labeled	d/Checked by: <u>NC</u>
Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope	Reviewed by:
Preservative: h: HCL n: HNO3 na2:Na2S2O3 na: NaOH p: H3PO4 s: H2SO4 znna: ZnAc2+NaOH f: Field-filtered	Scanned by: <u>NC</u>

				Page (	35 of 39
Environmental	WORK (	ORDER #: <b>11</b>	-05	-112	26
	an in a second statement in the second s	nan di Kana ang a kana kana kana kana kana kana	and the second		
SA	MPLE REC	EIPT FOR		boler $\underline{2}$	of <u>6</u>
client: <u>SCE</u>			DATE: C	15 / 19/	11
TEMPERATURE: Thermometer I	o: SC1 (Critoria: 0.0 °C	-6.0°C not frozen		a A	
철물 물건에서 집에서는 것은 것을 하는 것은 것을 가지요? 이 가슴을 물건을 했다.	• 0.5°C (CF) =		] ∃ Blank	Sample	
			1 Dialin	De Sample	
□ Sample(s) outside temperature c			f		
□ Sample(s) outside temperature c				g.	
Received at ambient temperature:     Ambient Temperature:     Air		r transport by Col	urier.	ta hat a ta	NC
				Initial: _	
CUSTODY SEALS INTACT:					
Cooler	□ No (Not Intact)	Not Present	□ N/A	Initial:	NC
□ Sample □	□ No (Not Intact)	Not Present		Initial:	NC
SAMPLE CONDITION:			Yes	No	N/A
Chain-Of-Custody (COC) documen					
COC document(s) received comple					
Collection date/time, matrix, and/or #					
		ime relinquished.		e an	
Sampler's name indicated on COC.		1		Ó	
Sample container label(s) consister					
Sample container(s) intact and goo			1		
Proper containers and sufficient vol			· ·		
Analyses received within holding tir					
pH / Res. Chlorine / Diss. Sulfide / I					
Proper preservation noted on COC		•••••••••••••••••••••••••••••••••••••••	M		
Unpreserved vials received for Vo			<b>,</b> ,	<b>—</b>	_/
Volatile analysis container(s) free o Tedlar bag(s) free of condensation.					
CONTAINER TYPE:	••••••	· • • • • • • • • • • • • • • • • • • •			
Solid: 0402CGJ 0802CGJ 01	6ozCGJ □Sleeve (_	) □EnCores	° □TerraC	ores® □	<u> </u>
Water: □VOA □VOAh □VOAna	₂ □125AGB □125A	3Bh □125AGBp		11AGBna2	1AGBs
□500AGB □500AGJ 10500AGJ	5 □250AGB □2500	CGB 2250CGBs	Ø1PB Ø	1500PB 1250	0PBna
□250PB 1250PBn □125PB 121		01			
Air: DTedlar <sup>®</sup> DSumma <sup>®</sup> Othe	r: 🗆 Trip Bla	ink Lot#:	_Labeled/C	hecked by: _	NC
Container: C: Clear A: Amber P: Plastic G: C				eviewed by: _	e_
Preservative: h: HCL n: HNO3 na2:Na2S2O3	na: NaOH p: H <sub>3</sub> PO <sub>4</sub> s: H <sub>2</sub> S	D <sub>4</sub> znna: ZnAc <sub>2</sub> +NaOH f:	Field-filtered	<pre>scanned by: _</pre>	AC

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	8			Pag	e 36 of 39
Environmental	WORK	ORDER #: <b>1</b> 1	-05	]-12	26
Leboratories, Inc.	MPLE REC	EIPT FOF	RM c	;ooler <u>3</u>	_ of <u>6</u>
CLIENT: <u>SCE</u>	<u></u>		DATE:	05 / 19	7/11
TEMPERATURE: Thermometer ID	): SC1 (Criteria: 0.0 °C	– 6.0 °C, not froze	n)		
Temperature $3 \cdot 3 \circ C +$	0.5°C (CF) =	3.8°C	□ Blank	Samp	le
□ Sample(s) outside temperature cr	riteria (PM/APM contac	ed by:).			
□ Sample(s) outside temperature cr			lay of samp	ling.	
Received at ambient temperatu				•	
그 그는 다른 말했는 것이 잘 물었어 더 하는 것이다. 것이	□ Filter			Initia	: NC
CUSTODY SEALS INTACT:		/			111
□ Cooler □	□ No (Not Intact)	Not Present	□ N/A	Initia	
□ Sample □	□ No (Not Intact)	Not Present		Initia	1: <u>NC</u>
SAMPLE CONDITION:			Yes	No	N/A
Chain-Of-Custody (COC) document					
COC document(s) received complete	te,				
□ Collection date/time, matrix, and/or #	of containers logged in ba	ased on sample labels			
□ No analysis requested. □ Not reli	inquished. D No date/	time relinquished.	<u> </u>		
Sampler's name indicated on COC.		and the second			
Sample container label(s) consisten	it with COC	** *** *** *** *** *** *** ***			
Sample container(s) intact and good			· · · ·		
Proper containers and sufficient vol			1		
Analyses received within holding tin					
pH / Res. Chlorine / Diss. Sulfide / I					
Proper preservation noted on COC	or sample container.		. 🗹		
□ Unpreserved vials received for Vo					
Volatile analysis container(s) free of		and the second			
Tedlar bag(s) free of condensation. CONTAINER TYPE:	••••••	••••••	🗆		
Solid: 04ozCGJ 08ozCGJ 01	6ozCGJ	) □EnCore	es® ⊡Terra	aCores® □_	(D) (a
Water: DVOA DVOAh DVOAna		(2.)	(2)	(2)	
□500AGB □500AGJ □500AGJs	; □250AGB □250	CGB 2250CGB	S 1PB	2500PB	500PBna
□250PB 1250PBn □125PB 121	25PBznna □100PJ	□100PJna₂ ☑	PBn 🗆		
Air: DTedlar <sup>®</sup> DSumma <sup>®</sup> Othe	r: 🗆 Trip Bl	ank Lot#:	Labeled	/Checked by	NC:
Container: C: Clear A: Amber P: Plastic G: C Preservative: h: HCL n: HNO <sub>3</sub> na <sub>2</sub> :Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>				Reviewed by Scanned by	

				Page 3	37 of 39
	WORK (	ORDER #: 11	-05.	-12	26
	a an	and the same and the second second			
S S S S	AMPLE REC	EPTFOR	Ш Со	oler $4^{\circ}$	of <u>6</u>
client: <u>SCE</u>			DATE: 0	5/19/	<u> 11                                  </u>
TEMPERATURE: Thermometer	r ID: SC1 (Criteria: 0.0 °C	– 6.0 °C. not frozen			
	$c + 0.5^{\circ}C(CF) = \{l}$		., ∃ Blank	☐ Sample	
□ Sample(s) outside temperature				La oumpro	
<ul> <li>Sample(s) outside temperature</li> <li>Sample(s) outside temperature</li> </ul>			ov of sampling	•	
□ Sample(s) outside temperature □ Received at ambient temper				<b>).</b>	
Ambient Temperature:	ature, placed on ice to □ Filter	f transport by Cor	urier.	Initial: _	N/
CUSTODY SEALS INTACT:			<u></u>	<u>an an a</u>	
□ Cooler □	□ No (Not Intact)	Not Present	□ N/A	Initial:	NC
□ Sample □	□ No (Not Intact)	Not Present		Initial:	<u>NC</u>
SAMPLE CONDITION:			Yes	No	N/A
Chain-Of-Custody (COC) docum					
COC document(s) received comp					
Collection date/time, matrix, and/c	se de la seconda de Transferio.				
	relinquished. D No date/t		_		
Sampler's name indicated on CC					
Sample container label(s) consis		and the second second second second second			
Sample container(s) intact and g			/		
Proper containers and sufficient Analyses received within holding	and the second		· ·		
pH / Res. Chlorine / Diss. Sulfide					
Proper preservation noted on CC					
Unpreserved vials received for					
Volatile analysis container(s) free					
Tedlar bag(s) free of condensation		and the second			
CONTAINER TYPE:					V
Solid: 0402CGJ 0802CGJ 0	□16ozCGJ □Sleeve (_	) □EnCores	s <sup>®</sup> □TerraCo	ores® □	
Water: □VOA □VOAh □VOA	na2 0125AGB 0125A	3Bh □125AGBp		1AGBna₂ ₪	1AGBs
□500AGB □500AGJ 10500AG	Js □250AGB □2500	GB 2250CGBs	el 1PB	500PB 2500	) PB <b>na</b>
□250PB 1250PBn □125PB 1	125PBznna □100PJ	□100PJna2 2 11	PB,		··· ·
Air: □Tedlar <sup>®</sup> □Summa <sup>®</sup> Ot	her: 🗆 Trip Bl	ank Lot#:	_Labeled/Ch	necked by: _	NC
Container: C: Clear A: Amber P: Plastic (	G: Glass J: Jar B: Bottle Z: Zip	loc/Resealable Bag E: E	Envelope <b>Re</b>	viewed by: _	<u>e</u>
Preservative: h: HCL n: HNO <sub>3</sub> na <sub>2</sub> :Na <sub>2</sub> S <sub>2</sub>	03 na: NaOH p: H3PO4 s: H2S	D4 znna: ZnAc2+NaOH f:	Field-filtered S	canned by: _	NC

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Environmental	WORK (	ORDER #: <b>11</b>	-05	-12	26
Laboratories, Inc.	IPLE REC	EIDT EAE		5	46
CLIENT: <u>SCE</u>			DATE: C	15 / 19,	/ 11
TEMPERATURE: Thermometer ID: S	C1 (Criteria: 0.0 °C	– 6.0 °C, not frozer	1)		
Temperature $3.7^{\circ}C+0$ .	5°C (CF) =	<u>.</u> ∠°C [	Blank	日 Sample	
, 🛛 Sample(s) outside temperature crite					
Sample(s) outside temperature crite			ay of samplin	ıg.	
Received at ambient temperature					
승규는 지난 것이 좋지 않는 것이 같이 지지 않는 것이다.	Filter			Initial:	NC
CUSTODY SEALS INTACT:					NT/
	I No (Not Intact)	Not Present	□ N/A	Initial:	NC
□ Sample □ □	] No (Not Intact)	PNot Present		Initial:	<u>NC</u>
SAMPLE CONDITION:		1	Yes	No	N/A
Chain-Of-Custody (COC) document(s)	received with sam				
COC document(s) received complete.					
Collection date/time, matrix, and/or # of					
	uished.				
Sampler's name indicated on COC				ń	
Sample container label(s) consistent v					
Sample container(s) intact and good c					
Proper containers and sufficient volum			1		
Analyses received within holding time.			· · ·		
pH / Res. Chlorine / Diss. Sulfide / Dis	s. Oxygen received	within 24 hours.	. 🗆 🎾		
Proper preservation noted on COC or	sample container				
□ Unpreserved vials received for Volati	les analysis				
Volatile analysis container(s) free of he	adspace	•••••••••••••••••••••••••••••••••••••••			
Tedlar bag(s) free of condensation CONTAINER TYPE:	• • • • • • • • • • • • • • • • • • • •				
Solid: 04ozCGJ 08ozCGJ 016o	zCGJ □Sleeve (_	)	s <sup>®</sup> □TerraC	ores <sup>®</sup> □	
Water: □VOA □VOAh □VOAna₂ □	]125AGB □125AG	GBh □125AGBp		1AGBna₂ ☑	1AGBs
□500AGB □500AGJ IS500AGJs	⊐250AGB □250C	GB 2250CGBs	Ø1PB Ø	1500PB 1250	0PBna
□250PB 1250PBn □125PB 12125	PBznna ⊡100PJ	□100PJna₂ 🗹 🧐	<u>PBn 🗆 </u>	□	
Air: □Tedlar <sup>®</sup> □Summa <sup>®</sup> Other:	□ Trip Bla	ink Lot#:	Labeled/C	hecked by: _	NC
Container: C: Clear A: Amber P: Plastic G: Glass Preservative: h: HCL n: HNO <sub>3</sub> na <sub>2</sub> :Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> na	and the second secon			eviewed by: _ Scanned by: _	

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Egiscience Egivironmental	WORK ORDER #: 1	1-05	-12	26
Laboratories, inc.	MPLE RECEIPT FC		ooler /	of G
ccc	i Will i incon finnon i A finnon 🥪 incon i li i i 🦷 🏎	12 C		
CLIENT: <u>SCE</u>		DATE: _	05 / 19	/ 11
TEMPERATURE: Thermometer ID	: SC1 (Criteria: 0.0 °C – 6.0 °C, not fro	zen)		
Temperature <u>5.1</u> °C + 1	$0.5^{\circ}C(CF) = 5.6^{\circ}C$	Blank	Sample	•
□ Sample(s) outside temperature cri	iteria (PM/APM contacted by:).			
□ Sample(s) outside temperature cri	teria but received on ice/chilled on same	e day of sampli	ng.	
□ Received at ambient temperatu	re, placed on ice for transport by	Courier.		
Ambient Temperature:	⊐ Filter		Initial:	NC
CUSTODY SEALS INTACT:				NT/
□ Cooler □	No (Not Intact) Not Prese		Initial	
□ Sample □	□ No (Not Intact) □ Not Prese	nt	Initial:	<u> </u>
SAMPLE CONDITION:		Yes	No	N/A
Chain-Of-Custody (COC) document	(s) received with samples	1		
COC document(s) received complet				
	of containers logged in based on sample lab			
	nquished.	eis.		
Sampler's name indicated on COC.			Ĺ	
Sample container label(s) consisten		_		
Proper containers and sufficient volu				
Analyses received within holding tim				
	Diss. Oxygen received within 24 hour			
Proper preservation noted on COC				
□ Unpreserved vials received for Vol				
Volatile analysis container(s) free of	headspace			
Tedlar bag(s) free of condensation				
Solid: 04ozCGJ 08ozCGJ 010	6ozCGJ □Sleeve () □EnCo	ores <sup>®</sup> ⊡Terra	Cores <sup>®</sup> □_	
Water: □VOA □VOAh □VOAna₂	□125AGB □125AGBh □125AG	Bp □1AGB	□1AGBna₂ [	1AGBs
	□250AGB □250CGB 2250CG	[2.]	(2)	
( <b>2</b> 2)	25PBznna □100PJ □100PJna₂ ☑	(94)	□_	
물건 물건 물건 것 같아요. 물건 집 것 같아요. 물건 물건 물건 물건 물건	r: □ Trip Blank Lot#:		Checked by:	NC
Container: C: Clear A: Amber P: Plastic G: G	ass J: Jar B: Bottle Z: Ziploc/Resealable Bag na: NaOH p: H <sub>3</sub> PO <sub>4</sub> s: H <sub>2</sub> SO <sub>4</sub> znna: ZnAc <sub>2</sub> +NaC	E: Envelope	Reviewed by:	