ADVANCED GeoServices
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March 19, 2015

2013-2993-07

Mr. Wayne Lorentzen
California Department of Toxic Substances Control
8800 Cal Center Drive
Sacramento, CA 95826-3200

Mr. Jerrick Torres
City of Vernon
4305 Santa Fe Avenue
Vernon, CA 90058

RE: January 26, 2015 Stormwater Sampling Event
Environmental Monitoring Plan
Exide Technologies, Vernon, California

Dear Mr. Lorentzen and Mr. Torres:

Advanced GeoServices, on behalf of Exide Technologies, submits this report regarding stormwater sampling conducted in general accordance with the Environmental Monitoring Plan (EMP) dated November 19, 2013 for the Exide facility in Vernon, California. This event represents the first event for First Quarter 2015.

Rain Event

A 0.23 inch rain event occurred on January 26, 2015. No rainfall occurred on January 24 and 25, 2015. The rainfall data was obtained from www.wunderground.com for the KCQT airport location and an on-site weather monitoring station. Table 1 summarizes the rainfall amount. Rainfall began at approximately 4:30 pm on January 26, 2015.

Although final precipitation amounts were 0.02 inches less than a 'qualified storm event' as defined in the EMP we are treating this as a qualified event because the final amounts are believed to be sufficiently close to be useful for the purposes of the EMP. A 'qualified storm event' is defined as a storm event that (1) is producing a storm water discharge during facility operating hours, (2) has produced ¼" or more of rainfall, and (3) was preceded by two days of dry weather. Dry weather is defined as two days where less than 1/8th inch of rainfall has occurred.

Field Activities

Runoff was observed to begin at approximately 7:30 p.m. on January 26, 2015. Sampling was conducted by Avocet Environmental of Irvine, California from approximately 7:30 p.m. to 9:40 p.m. on January 26, 2015.

Sampling was conducted at the following locations:

- Location 1: The manhole at the intersection of Bandini Boulevard and South Indiana Street;
- Location 2: Within the concrete lined channel closest to Bandini Boulevard;
- Location 4: The manhole nearest to the connection to the enclosed channel on Bandini Boulevard, west of the open channel;
- Location 5: The manhole furthest upstream in the stormwater pipe on Bandini Boulevard, west of the open channel;
- Location 7: The manhole to the enclosed channel at East 26th Street;
- Location 8: The manhole nearest the connection to the open channel on East 26th Street, west of the open channel;
- Location 9: The manhole furthest upstream in the stormwater pipe on East 26th Street, west of the open channel;
- Location 10: The manhole on Bandini Boulevard, west of the intersection with Ayers Avenue; and,
- Location 11: The manhole nearest Bonnie Beach Place on East 26th Street, east of the open channel.

No samples were taken at Locations 3 (manhole to enclosed channel at Bandini Boulevard) and 6 (open concrete channel at East 26th Street). Flow at Location 3 was not at a sufficient height to be reached with sampling equipment. No flow was observed in the open channel at Location 6.

Sample locations are provided on Figure 1. Samples were collected with a decontaminated plastic container on a telescoping rod. Equipment decontamination was conducted in accordance with the EMP.

Field measurements for specific conductivity, pH, dissolved oxygen, turbidity, temperature and visual observations are summarized in Table 2. The calibration log is provided in Appendix A.

Stormwater samples were collected for total and dissolved Title 22 CAM-17 metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium and zinc) and submitted to CalScience Environmental Laboratory in Garden Grove, California for analysis. Dissolved samples were filtered by the laboratory. A field duplicate and equipment blank were collected in accordance with the EMP.

Annual sediment and interstitial water sampling required by the EMP did not occur during this event. This sampling will be performed during a separate event.

Analytical Results

Validated analytical data is provided in Appendix B. Tables 3, 4A and 4B compare validated data at the compliance and monitoring points, respectively, to the respective concentration limits provided in the EMP. Total results at Compliance Point Location 2 are less than the Compliance Point Concentration Limits with the exception of lead (84.4 ug/L vs 81.6 ug/L) and zinc (325 ug/L vs 117 ug/L). Filtered/dissolved results at Compliance Point Location 2 are less than the Compliance Point Concentration Limits (USEPA Benchmark Values), with the exception of zinc (294 ug/L vs 117 ug/L). Total and dissolved results at Compliance Point Location 10 are less than the Concentration Limits, with the exception of zinc which were 279 ug/L and 213 ug/L respectively vs 117 ug/L. Total results at the Monitoring Points are less than the Monitoring Point Concentration Limits, with the exception of copper and zinc at Locations 1, 4, 5, 7, 8, 9, and 11, and lead at Location 1. Dissolved results at the Monitoring Points are less than the Monitoring Point Concentration Limits, with the exception of copper and zinc at Locations 1, 4, 5, 7, 8, 9, and 11, and lead at Location 1.

Response Action

As the EMP requires written notification to DTSC within seven days of determination that any concentration limits have been exceeded, Advanced GeoServices, on behalf of Exide Technologies, submits this report. Re-sampling will be performed during the next qualified storm event.

As required by the EMP, an immediate response and long-term corrective action[1] will be conducted.

The immediate response will include the following:

- Locations 1 and 4: Locations 1 and 4 were cleaned on October 25, 2014 as part of annual inlet cleaning per the Corrective Action Plan. These locations will be recleaned.
- Locations 2 and 6: Locations 2 and 6 are in the LA County Flood Control open channel. These locations will be cleaned as part of annual open channel cleaning per the September 30, 2014 Supplement to the Emergency Response Interim Measures Work Plan (ERIMWP) for Off-Site Dust and Dirt.

[1] An immediate response may include more aggressive housekeeping and emission control measures; additional surface water and sediment monitoring points; removal of the impacted sediments; or increased sampling frequency. Long-term corrective action may include increasing the frequency or coverage of the ongoing street and sidewalk sweeping, remediation of sediment accumulating in the storm sewers or drainage channels, conducting surface cleaning on neighboring properties, or modifying or upgrading facility air emission control equipment.

- Locations 3 and 7: Locations 3 and 7 are in the LA County Flood Control closed channel. Additional research will be conducted to determine where the culvert originates and the associated drainage areas.
- Locations 5, 8, 9, 10, and 11: Locations 5, 8, 9, 10 and 11 are outside the limits of inlet cleaning per the Corrective Action Plan and Supplement to the ERIMWP. Inlets along Bandini Boulevard from Inlet 10 west to Inlet 5 which were not cleaned as part of the Corrective Action Plan and Supplement to the ERIMWP will be cleaned. Inlets on East 26th Street from Location 9 east to Location 11, and inlets along Bonnie Beach Boulevard will also be cleaned.

Long term action will be addressed by the reduction/termination of facility emissions during/after closure.

Please contact Jen DiJoseph at (610) 840-9189 or Paul Stratman at (610) 840-9122 with any questions.

Sincerely,

ADVANCED GEOSERVICES

Jennifer W. DiJoseph
Associate Project Consultant

Paul G. Stratman, P.E.
Consultant

REGISTERED PROFESSIONAL ENGINEER
PAUL GERARD STRATMAN
NO. C61595
EXP. 6/30/15
CIVIL
STATE OF CALIFORNIA

JWD:PGS:vm

cc: N. Serieys
T. Strang
J. Hogarth

TABLES

TABLE 1
RAINFALL QUANTITY
JANUARY 26, 2015 STORMWATER SAMPLING
EXIDE TECHNOLOGIES
VERNON, CALIFORNIA

Date	Precipitation (inches)
1/24/2015	0
1/25/2015	0
1/26/2015	0.23*
1/27/2015	0
Total	0

Source: http://www.wunderground.com/history/airport/KCQT/2014/01/26/MonthlyHistory.html
*Source: On-site North weather monitoring station

TABLE 2
FIELD MEASUREMENTS
JANUARY 26, 2015 STORMWATER SAMPLING
EXIDE TECHNOLOGIES
VERNON, CALIFORNIA

Location	Specific Conductivity (mS/cm)	pH (units)	Dissolved Oxygen (mg/L)	Turbidity as TDS (NTU)	Temperature (°C)	Visual Observations
1	0.167	6.50	4.29	28.3	17.49	Clearish-brown, minimal solids observed, 3 in. flow depth
2	0.259	6.53	4.94	49.6	16.32	Slow moving flow, yellowish brown, moderate suspended solids observed, 1 in. flow depth
3	N/A	N/A	N/A	N/A	N/A	Sample dipper unable to retrieve sample - flow too low for dipper to reach
4	0.339	6.53	5.68	89.9	16.99	Greyish-brown, moderate suspended solids content, 12 in. flow depth
5	0.217	6.65	5.64	68.4	16.4	Light brown, low suspended solids content, 8 in. flow depth
6	N/A	N/A	N/A	N/A	N/A	No flow (dry channel)
7	0.146	6.73	5.07	49.4	16.73	Yellowish, low suspended solids content, unknown depth (>2 ft. depth), sample taken after #8 due to safety
8	0.127	6.73	5.72	29.6	16.53	Yellowish-brown, moderate suspended solids content, 6 in. depth, sample taken before #7 due to safety
9	0.193	6.69	5.94	82.4	16.66	Weak stream (~1 in. depth), yellowish-brown, low suspended solids content
10	0.176	6.67	5.19	27.4	16.7	Moderate stream (6-10 in. depth), greyish-brown, low to moderate suspended solids content
11	0.161	6.87	5.82	22.4	17.03	Clearish-yellow, slow flow (~12 in. depth), very low suspended solids content
2 Dup.	0.219	6.81	5.52	43.1	16.19	Slow moving flow, yellowish brown, moderate suspended solids observed

TABLE 3
STORMWATER COMPLIANCE POINT RESULTS
JANUARY 26, 2015 STORMWATER SAMPLING
EXIDE TECHNOLOGIES
VERNON, CALIFORNIA

Metal	EPA Benchmark Value, total (µg/L)	Location 2 (Concrete Channel closest to Bandini Blvd), Total (µg/L)	Location 2 Duplicate, Total (µg/L)	Location 10 (Upstream of LA County Flood Control District Storm Sewer Outfall to LA River), Total (µg/L)
Antimony	636	<15	<15	<15
Arsenic	168.54	<10	<10	<10
Barium	N/A	71.7	74.0	32.6
Beryllium	130	<10	<10	<10
Cadmium	15.9	<10	<10	<10
Chromium (VI/III)	N/A	<10	<10	12.0
Cobalt	N/A	<10	<10	<10
Copper	63.6	42.2	44.3	31.3
Lead	81.6	84.4	125	14.3
Mercury	2.4	<0.5	<0.5	<0.5
Molybdenum	N/A	<10	<10	<10
Nickel	1417	<10	<10	<10
Selenium	238.5	<15	<15	<15
Silver	31.8	<5	<5	<5
Thallium	N/A	<15	<15	<15
Vanadium	N/A	<10	<10	<10
Zinc	117	325	356	279

Note: Shaded cells indicate results over the USEPA Benchmark Values

TABLE 4A
STORMWATER MONITORING POINT RESULTS - TOTAL
JANUARY 26, 2015 STORMWATER SAMPLING
EXIDE TECHNOLOGIES
VERNON, CALIFORNIA

Metal	LA River Wet Weather Waste Load Allocation, Total (µg/L)	Location 1 (Manhole at intersection Bandini & Indiana), Total (µg/L)	Location 3 (Manhole to enclosed Channel at Bandini), Total (µg/L)	Location 4 (Manhole nearest to connection to closed channel on Bandini), Total (µg/L)	Location 5 (Manhole furthest upstream in stormwater pipe on Bandini), Total (µg/L)	Location 6 (Within concrete channel closest to East 26th), Total (µg/L)	Location 7 (Manhole to enclosed channel at East 26th St), Total (µg/L)	Location 8 (Manhole nearest connection to open channel on East 26th St), Total (µg/L)	Location 9 (Manhole furthest upstream in stormwater pipe on East 26th), Total (µg/L)	Location 11 (Manhole nearest Bonnie Beach Place on East 26th St), Total (µg/L)
Antimony	N/A	34.0	N/A	<15	<15	N/A	<15	<15	<15	<15
Arsenic	N/A	<10	N/A	<10	<10	N/A	<10	<10	<10	<10
Barium	N/A	36.2	N/A	128	95.3	N/A	63.6	45.1	118	43.5
Beryllium	N/A	<10	N/A	<10	<10	N/A	<10	<10	<10	<10
Cadmium	3.1	<10	N/A	<10	<10	N/A	<10	<10	<10	<10
Chromium (VI/III)	N/A	<10	N/A	<10	<10	N/A	<10	<10	<10	<10
Cobalt	N/A	<10	N/A	<10	<10	N/A	<10	<10	<10	<10
Copper	17	**49.6**	N/A	**52.2**	**33.4**	N/A	**50.2**	**24.6**	**49.3**	**22.0**
Lead	62	**215**	N/A	38.3	13.3	N/A	26.4	<10	41.7	11.8
Mercury	N/A	<0.5	N/A	<0.5	<0.5	N/A	<0.5	<0.5	<0.5	<0.5
Molybdenum	N/A	15.2	N/A	<10	<10	N/A	<10	<10	12.1	<10
Nickel	N/A	<10	N/A	<10	<10	N/A	10.3	<10	11.8	<10
Selenium	5	<15	N/A	<15	<15	N/A	<15	<15	<15	<15
Silver	N/A	<5	N/A	<5	<5	N/A	<5	<5	<5	<5
Thallium	N/A	<15	N/A	<15	<15	N/A	<15	<15	<15	<15
Vanadium	N/A	<10	N/A	<10	<10	N/A	<10	<10	<10	<10
Zinc	159	**242**	N/A	**663**	**539**	N/A	**291**	**312**	**391**	**203**

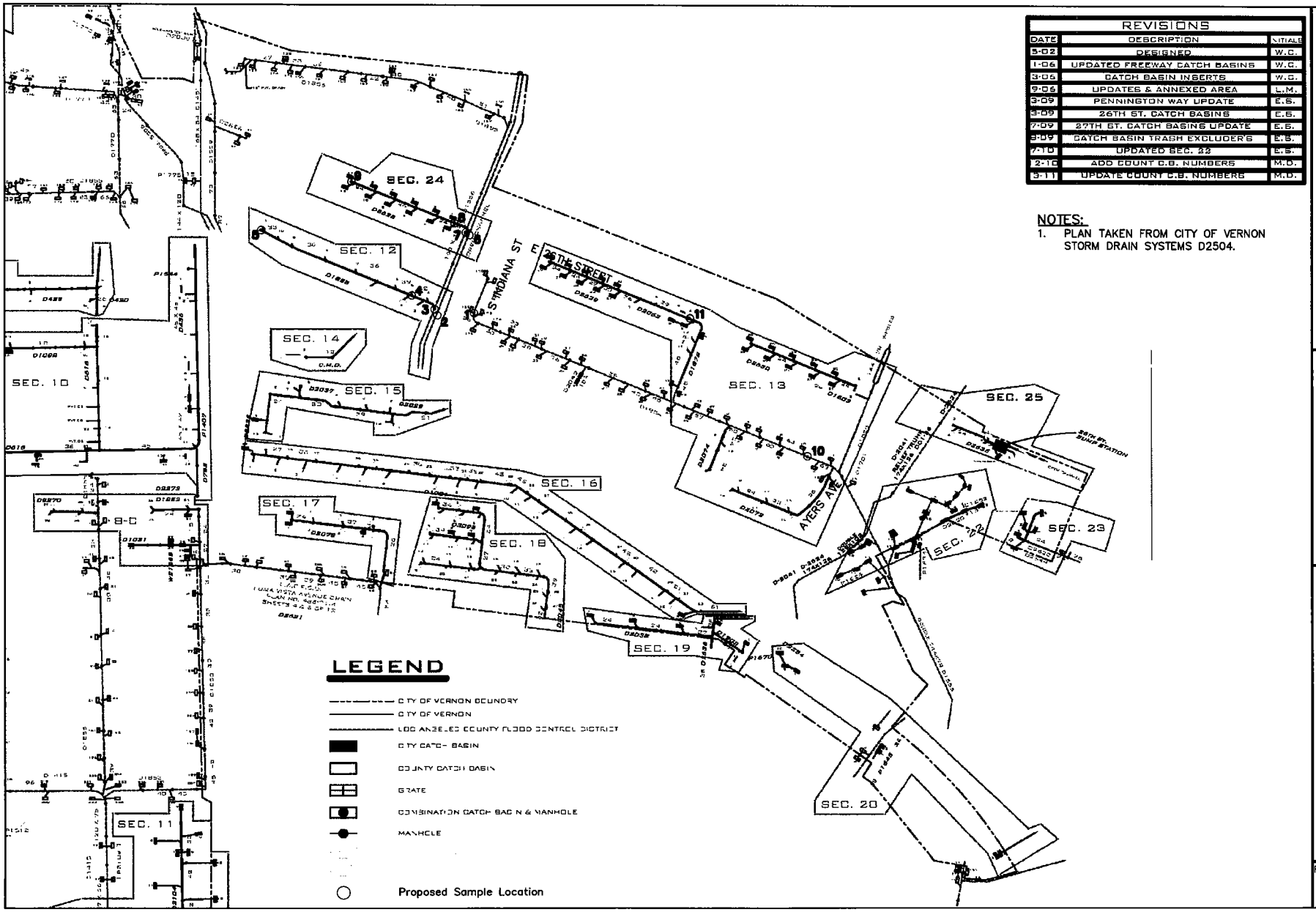
Note: Shaded cells indicate results over the LA River Wet Weather Waste Load Allocation

TABLE 4B
STORMWATER MONITORING POINT RESULTS - DISSOLVED
JANUARY 26, 2015 STORMWATER SAMPLING
EXIDE TECHNOLOGIES
VERNON, CALIFORNIA

Metal	LA River Wet Weather Waste Load Allocation, Dissolved (µg/L)	Location 1 (Manhole at intersection Bandini & Indiana), Dissolved (µg/L)	Location 3 (Manhole to Closed Channel at Bandini), Dissolved (µg/L)	Location 4 (Manhole nearest to connection to closed channel on Bandini), Dissolved (µg/L)	Location 5 (Manhole furthest upstream in stormwater pipe on Bandini), Dissolved (µg/L)	Location 6 (Within concrete channel closest to East 26th), Dissolved (µg/L)	Location 7 (Manhole to closed channel at East 26th St), Dissolved (µg/L)	Location 8 (Manhole nearest connection to open channel on East 26th St), Dissolved (µg/L)	Location 9 (Manhole furthest upstream in stormwater pipe on East 26th), Dissolved (µg/L)	Location 11 (Manhole nearest Bonnie Beach Place on East 26th St), Dissolved (µg/L)
Antimony	N/A	33.5	N/A	<15	<15	N/A	<15	<15	<15	<15
Arsenic	N/A	<10	N/A	<10	<10	N/A	<10	<10	<10	<10
Barium	N/A	154	N/A	198	37.0	N/A	29.6	26.3	48.7	36.2
Beryllium	N/A	<10	N/A	<10	<10	N/A	<10	<10	<10	<10
Cadmium	3	<10	N/A	<10	<10	N/A	<10	<10	<10	<10
Chromium (VI/III)	N/A	<10	N/A	<10	<10	N/A	<10	<10	<10	<10
Cobalt	N/A	<10	N/A	<10	<10	N/A	<10	<10	<10	<10
Copper	11	**41.3**	N/A	**29.1**	**16.7**	N/A	**25.8**	**17.8**	**29.4**	**17.2**
Lead	51	**60.4**	N/A	<10	<10	N/A	<10	<10	<10	<10
Mercury	N/A	<0.5	N/A	<0.5	<0.5	N/A	<0.5	<0.5	<0.5	<0.5
Molybdenum	N/A	18.8	N/A	<10	<10	N/A	<10	<10	11.6	<10
Nickel	N/A	<10	N/A	<10	<10	N/A	<10	<10	<10	<10
Selenium	N/A	<15	N/A	<15	<15	N/A	<15	<15	<15	<15
Silver	N/A	<5	N/A	<5	<5	N/A	<5	<5	<5	<5
Thallium	N/A	<15	N/A	<15	<15	N/A	<15	<15	<15	<15
Vanadium	N/A	<10	N/A	<10	<10	N/A	<10	<10	<10	<10
Zinc	97	**389**	N/A	**411**	**351**	N/A	**193**	**230**	**228**	**158**

Note: Shaded cells indicate results over the LA River Wet Weather Waste Load Allocation

FIGURE



REVISIONS		
DATE	DESCRIPTION	INITIALS
5-02	DESIGNED	W.C.
1-06	UPDATED FREEWAY CATCH BASINS	W.C.
3-06	CATCH BASIN INSERTS	W.C.
9-06	UPDATES & ANNEXED AREA	L.M.
3-09	PENNINGTON WAY UPDATE	E.S.
3-09	26TH ST. CATCH BASINS	E.S.
7-09	27TH ST. CATCH BASINS UPDATE	E.S.
8-09	CATCH BASIN TRASH EXCLUDER'S	E.S.
7-10	UPDATED SEC. 22	E.S.
2-10	ADD COUNT C.B. NUMBERS	M.D.
3-11	UPDATE COUNT C.B. NUMBERS	M.D.

NOTES:
1. PLAN TAKEN FROM CITY OF VERNON STORM DRAIN SYSTEMS D2504.

CITY OF VERNON STORM DRAIN SYSTEMS
SAMPLE LOCATIONS

PROJECT MANAGER: P.G.S. | SCALE: 1" = 1000'
CHECKED BY: J.W.D. | PROJECT NUMBER: 2013-2993-01
DRAWN BY: D.J.S. | DATE: 4/21/2014

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EXIDE TECHNOLOGIES
VERNON, CALIFORNIA

Figure
1

F:\Projects\2013\20132993 - Exide Vernon Permitting Assistance\Cad\2013-2993-01\Figure 1 Vernon Storm System.dwg

APPENDIX A

Calibration Log

AVOCET ENVIRONMENTAL, INC.

INSTRUMENT CALIBRATION SHEET

Project Name: Exide Stormwater Sampling	Project #: 1325.006

Date	Time	Instrument Type	Instrument Serial No.	Calibration Method	Calibrated by	Remarks
1/26/15	2223	QED MP20		pH, SPC	ACJ, BAB	pH 4
						pH 7
						pH 10
						SpC 1413
ACJ	~~2240~~	LaMotte 2020e		turbidity		0.0 NTU
	2240	QED MP20		pH, SpC		pH 4
						pH 7
						pH 10
						SpC 1413
		LaMotte 2020e		turbidity		0.0 NTU
	2305	QED MP20		pH, SpC		pH 4
						pH 7
						pH 10
						SpC 1413
		LaMotte 2020e		turbidity		0.0 NTU

APPENDIX B

Validated Data

EXIDE VERNON
01/2015 EMP Sampling, 1/26/2015
Calscience# 15-01-1617 Project# 2013-2993

Sample Location		#1			#2			#4			#5			#7			#8			#9			#10		
Lab ID		15-01-1617-01			15-01-1617-02			15-01-1617-03			15-01-1617-04			15-01-1617-05			15-01-1617-06			15-01-1617-07			15-01-1617-08		
Sample Date		1/26/2015			1/26/2015			1/26/2015			1/26/2015			1/26/2015			1/26/2015			1/26/2015			1/26/2015		
Matrix		Surface Water			Surface Water			Surface Water			Surface Water			Surface Water			Surface Water			Surface Water			Surface Water		
Remarks																									
Parameter	**Units**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**
Metals, Total																									
Antimony	mg/L	0.034		0.015		U	0.015		U	0.015		U	0.015		U	0.015		U	0.015		U	0.015		U	0.015
Arsenic	mg/L		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01
Barium	mg/L	0.0362		0.01	0.0717		0.01	0.128		0.01	0.0953		0.01	0.0636		0.01	0.0451		0.01	0.118		0.01	0.0326		0.01
Beryllium	mg/L		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01
Cadmium	mg/L		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01
Chromium	mg/L		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01	0.012		0.01
Cobalt	mg/L		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01
Copper	mg/L	0.0496		0.01	0.0422		0.01	0.0522		0.01	0.0334		0.01	0.0502		0.01	0.0246		0.01	0.0493		0.01	0.0313		0.01
Lead	mg/L	0.215		0.01	0.0844	J	0.01	0.0383		0.01	0.0133		0.01	0.0264		0.01		U	0.01	0.0417		0.01	0.0143		0.01
Mercury	mg/L		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005
Molybdenum	mg/L	0.0152		0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01	0.0121		0.01		U	0.01
Nickel	mg/L		U	0.01		U	0.01		U	0.01		U	0.01	0.0103		0.01		U	0.01	0.0118		0.01		U	0.01
Selenium	mg/L		U	0.015		U	0.015		U	0.015		U	0.015		U	0.015		U	0.015		U	0.015		U	0.015
Silver	mg/L		U	0.005		U	0.005		U	0.005		U	0.005		U	0.005		U	0.005		U	0.005		U	0.005
Thallium	mg/L		U	0.015		U	0.015		U	0.015		U	0.015		U	0.015		U	0.015		U	0.015		U	0.015
Vanadium	mg/L		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01
Zinc	mg/L	0.242		0.01	0.325		0.01	0.663		0.01	0.539		0.01	0.291		0.01	0.312		0.01	0.391		0.01	0.279		0.01
Metals, dissolved																									
Antimony	mg/L	0.0335		0.015		U	0.015		U	0.015		U	0.015		U	0.015		U	0.015		U	0.015		U	0.015
Arsenic	mg/L		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01
Barium	mg/L	0.154		0.01	0.0519		0.01	0.198		0.01	0.037		0.01	0.0296		0.01	0.0263		0.01	0.0487		0.01	0.0212		0.01
Beryllium	mg/L		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01
Cadmium	mg/L		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01
Chromium	mg/L		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01	0.012		0.01
Cobalt	mg/L		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01
Copper	mg/L	0.0413		0.01	0.0341		0.01	0.0291		0.01	0.0167		0.01	0.0258		0.01	0.0178		0.01	0.0294		0.01	0.0256		0.01
Lead	mg/L	0.0604		0.01	0.0243	J	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01
Mercury	mg/L		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005
Molybdenum	mg/L	0.0188		0.01	0.0105		0.01		U	0.01		U	0.01		U	0.01		U	0.01	0.0116		0.01		U	0.01
Nickel	mg/L		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01
Selenium	mg/L		U	0.015		U	0.015		U	0.015		U	0.015		U	0.015		U	0.015		U	0.015		U	0.015
Silver	mg/L		U	0.005		U	0.005		U	0.005		U	0.005		U	0.005		U	0.005		U	0.005		U	0.005
Thallium	mg/L		U	0.015		U	0.015		U	0.015		U	0.015		U	0.015		U	0.015		U	0.015		U	0.015
Vanadium	mg/L		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01		U	0.01
Zinc	mg/L	0.389		0.01	0.294		0.01	0.411		0.01	0.351		0.01	0.193		0.01	0.23		0.01	0.228		0.01	0.213		0.01

QA Scientist Emily Caston
Date 03/09/2015

EXIDE VERNON
01/2015 EMP Sampling, 1/26/2015
Calscience# 15-01-1617 Project# 2013-2993

Sample Location		#11			#2_DUP			EQB_20150126		
Lab ID		15-01-1617-09			15-01-1617-10			15-01-1617-11		
Sample Date		1/26/2015			1/26/2015			1/26/2015		
Matrix		Surface Water			Surface Water			Aqueous		
Remarks					FD of #2			Equipment Blank		
Parameter	**Units**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**	**Result**	**Q**	**RL**
Metals, Total										
Antimony	mg/L		U	0.015		UJ	0.015		UJ	0.015
Arsenic	mg/L		U	0.01		UJ	0.01		UJ	0.01
Barium	mg/L	0.0435		0.01	0.074		0.01		U	0.01
Beryllium	mg/L		U	0.01		U	0.01		U	0.01
Cadmium	mg/L		U	0.01		U	0.01		U	0.01
Chromium	mg/L		U	0.01		UJ	0.01		UJ	0.01
Cobalt	mg/L		U	0.01		UJ	0.01		UJ	0.01
Copper	mg/L	0.022		0.01	0.0443		0.01		U	0.01
Lead	mg/L	0.0118		0.01	0.125	J	0.01		U	0.01
Mercury	mg/L		U	0.0005		U	0.0005		U	0.0005
Molybdenum	mg/L		U	0.01		UJ	0.01		UJ	0.01
Nickel	mg/L		U	0.01		UJ	0.01		UJ	0.01
Selenium	mg/L		U	0.015		UJ	0.015		UJ	0.015
Silver	mg/L		U	0.005		UJ	0.005		UJ	0.005
Thallium	mg/L		U	0.015		UJ	0.015		UJ	0.015
Vanadium	mg/L		U	0.01		UJ	0.01		UJ	0.01
Zinc	mg/L	0.203		0.01	0.356		0.01		U	0.01
Metals, dissolved										
Antimony	mg/L		U	0.015		U	0.015		U	0.015
Arsenic	mg/L		U	0.01		U	0.01		U	0.01
Barium	mg/L	0.0362		0.01	0.0565		0.01		U	0.01
Beryllium	mg/L		U	0.01		U	0.01		U	0.01
Cadmium	mg/L		U	0.01		U	0.01		U	0.01
Chromium	mg/L		U	0.01		U	0.01		U	0.01
Cobalt	mg/L		U	0.01		U	0.01		U	0.01
Copper	mg/L	0.0172		0.01	0.0363		0.01		U	0.01
Lead	mg/L		U	0.01	0.0367	J	0.01		U	0.01
Mercury	mg/L		U	0.0005		U	0.0005		U	0.0005
Molybdenum	mg/L		U	0.01	0.011		0.01		U	0.01
Nickel	mg/L		U	0.01		U	0.01		U	0.01
Selenium	mg/L		U	0.015		U	0.015		U	0.015
Silver	mg/L		U	0.005		U	0.005		U	0.005
Thallium	mg/L		U	0.015		U	0.015		U	0.015
Vanadium	mg/L		U	0.01		U	0.01		U	0.01
Zinc	mg/L	0.158		0.01	0.289		0.01		U	0.01

QA Scientist Emily Castor
Date 03/09/2015

INORGANIC DATA VALIDATION SUMMARY

Site Name:	Exide Vernon	Laboratory:	Calscience
Project Number:	2013-2993	Case/Order No.:	15-01-1617
Sampling Date(s):	1/26/2015		

Compound List: Metals, total and dissolved

Method: 6010, 7471

The following table indicates the data validation criteria examined, any problems identified, and the QA action applied.

Data Validation Criteria:	Accept	FYI	Qualify	Comments
Holding Times	X			
Initial Calibrations	X			
Continuing Calibrations	X			
Blank Analysis	X			
Field Duplicate Analysis			X	#2 and #2_DUP, Lead qualified estimated (J)
Matrix Spike Analysis (MS/MSD)			X	All associated samples qualified estimated (J/UJ).
Laboratory Control Sample Analysis (LCS)			X	All associated samples qualified estimated (J/UJ).
Laboratory Duplicate Analysis	X			
CRDL Standard	X			
Serial Dilution	X			
ICP Interference Check Sample Recoveries	X			
Furnace AA QC Analysis				NA
Overall Assessment of Data	X			
Other:				

General Comments: cooler temp: 1.9C

Accept - No qualification required.
FYI - For your information only, no qualification necessary.
Qualify - Qualify as rejected, estimated or biased.
NR - Not Reviewed
NA - Not Applicable

QA Scientist Emily Easton Date 2/27/2015

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 1 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#1	**15-01-1617-1-B**	**01/26/15 19:28**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/03/15 20:14**	**150128LA4A**

Parameter	Result	RL	DF	Qualifiers
Antimony	0.0340	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	0.0362	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	0.0496	0.0100	1.00	
Lead	0.215	0.0100	1.00	
Molybdenum	0.0152	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	0.242	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 2 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#2	**15-01-1617-2-B**	**01/26/15 19:47**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/03/15 20:16**	**150128LA4A**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	0.0717	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	0.0422	0.0100	1.00	
Lead	0.0844	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	0.325	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 3 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#4	**15-01-1617-3-B**	**01/26/15 20:20**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/03/15 20:25**	**150128LA4A**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	0.128	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	0.0522	0.0100	1.00	
Lead	0.0383	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	0.663	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 4 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#5	**15-01-1617-4-B**	**01/26/15 20:31**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/03/15 20:27**	**150128LA4A**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	0.0953	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	0.0334	0.0100	1.00	
Lead	0.0133	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	0.539	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 5 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#7	**15-01-1617-5-B**	**01/26/15 20:53**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/03/15 20:28**	**150128LA4A**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	0.0636	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	0.0502	0.0100	1.00	
Lead	0.0264	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	0.0103	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	0.291	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 6 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#8	**15-01-1617-6-B**	**01/26/15 20:48**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/03/15 20:30**	**150128L A4A**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	0.0451	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	0.0246	0.0100	1.00	
Lead	ND	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	0.312	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 7 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#9	**15-01-1617-7-B**	**01/26/15 21:03**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/03/15 20:31**	**150128LA4A**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	0.118	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	0.0493	0.0100	1.00	
Lead	0.0417	0.0100	1.00	
Molybdenum	0.0121	0.0100	1.00	
Nickel	0.0118	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	0.391	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 8 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#10	**15-01-1617-8-B**	**01/26/15 21:25**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/03/15 20:33**	**150128LA4A**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	0.0326	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	0.0120	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	0.0313	0.0100	1.00	
Lead	0.0143	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	0.279	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 9 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#11	**15-01-1617-9-B**	**01/26/15 21:40**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/03/15 20:35**	**150128LA4A**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	0.0435	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	0.0220	0.0100	1.00	
Lead	0.0118	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	0.203	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 10 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#2_DUP	**15-01-1617-10-B**	**01/26/15 19:47**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/03/15 20:37**	**150128LA5**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	0.0740	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	0.0443	0.0100	1.00	
Lead	0.125	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	0.356	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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eurofins | Calscience

Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 11 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EQB_20150126	**15-01-1617-11-B**	**01/26/15 21:50**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/03/15 20:40**	**150128LA5**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	ND	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	ND	0.0100	1.00	
Lead	ND	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	ND	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 12 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-003-14847**	**N/A**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/04/15 19:30**	**150128LA4A**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	ND	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	ND	0.0100	1.00	
Lead	ND	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	ND	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 13 of 13

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-003-14822**	**N/A**	**Aqueous**	**ICP 7300**	**01/28/15**	**01/29/15 19:37**	**150128LA5**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	ND	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	ND	0.0100	1.00	
Lead	ND	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	ND	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 1 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#1	**15-01-1617-1-A**	**01/26/15 19:28**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/03/15 19:47**	**150128LA4F**

Parameter	Result	RL	DF	Qualifiers
Antimony	0.0335	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	0.154	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	0.0413	0.0100	1.00	
Lead	0.0604	0.0100	1.00	
Molybdenum	0.0188	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	0.389	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 2 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#2	**15-01-1617-2-A**	**01/26/15 19:47**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/04/15 20:09**	**150128LA4F**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	0.0519	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	0.0341	0.0100	1.00	
Lead	0.0243	0.0100	1.00	
Molybdenum	0.0105	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	0.294	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 3 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#4	**15-01-1617-3-A**	**01/26/15 20:20**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/03/15 19:50**	**150128LA4F**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	0.198	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	0.0291	0.0100	1.00	
Lead	ND	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	0.411	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 4 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#5	**15-01-1617-4-A**	**01/26/15 20:31**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/04/15 20:12**	**150128LA4F**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	0.0370	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	0.0167	0.0100	1.00	
Lead	ND	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	0.351	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 5 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#7	**15-01-1617-5-A**	**01/26/15 20:53**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/04/15 20:14**	**150128LA4F**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	0.0296	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	0.0258	0.0100	1.00	
Lead	ND	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	0.193	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 6 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#8	**15-01-1617-6-A**	**01/26/15 20:48**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/03/15 20:03**	**150128LA4F**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	0.0263	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	0.0178	0.0100	1.00	
Lead	ND	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	0.230	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 7 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#9	**15-01-1617-7-A**	**01/26/15 21:03**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/04/15 20:16**	**150128LA4F**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	0.0487	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	0.0294	0.0100	1.00	
Lead	ND	0.0100	1.00	
Molybdenum	0.0116	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	0.228	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B
		Units:	mg/L
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#10	**15-01-1617-8-A**	**01/26/15 21:25**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/03/15 20:07**	**150128LA4F**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	0.0212	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	0.0120	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	0.0256	0.0100	1.00	
Lead	ND	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	0.213	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 9 of 12

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#11	**15-01-1617-9-A**	**01/26/15 21:40**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/04/15 20:22**	**150128LA4F**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	0.0362	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	0.0172	0.0100	1.00	
Lead	ND	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	0.158	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B
		Units:	mg/L
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#2_DUP	**15-01-1617-10-A**	**01/26/15 19:47**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/04/15 20:24**	**150128LA4F**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	0.0565	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	0.0363	0.0100	1.00	
Lead	0.0367	0.0100	1.00	
Molybdenum	0.0110	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	0.289	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B
		Units:	mg/L
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EQB_20150126	**15-01-1617-11-A**	**01/26/15 21:50**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/03/15 20:12**	**150128LA4F**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	ND	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	ND	0.0100	1.00	
Lead	ND	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	ND	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B
		Units:	mg/L
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-003-14842**	**N/A**	**Aqueous**	**ICP 7300**	**01/28/15**	**02/03/15 19:13**	**150128LA4F**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	ND	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	ND	0.0100	1.00	
Lead	ND	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	ND	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 7470A Total
		Method:	EPA 7470A
		Units:	mg/L
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#1	**15-01-1617-1-B**	**01/26/15 19:28**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 19:23**	**150202L05**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#2	**15-01-1617-2-B**	**01/26/15 19:47**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 19:25**	**150202L05**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#4	**15-01-1617-3-B**	**01/26/15 20:20**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 19:27**	**150202L05**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#5	**15-01-1617-4-B**	**01/26/15 20:31**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 19:30**	**150202L05**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#7	**15-01-1617-5-B**	**01/26/15 20:53**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 19:32**	**150202L05**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#8	**15-01-1617-6-B**	**01/26/15 20:48**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 19:34**	**150202L05**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#9	**15-01-1617-7-B**	**01/26/15 21:03**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 19:36**	**150202L05**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#10	**15-01-1617-8-B**	**01/26/15 21:25**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 19:39**	**150202L05**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 7470A Total
		Method:	EPA 7470A
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#11	**15-01-1617-9-B**	**01/26/15 21:40**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 19:45**	**150202L05**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#2_DUP	**15-01-1617-10-B**	**01/26/15 19:47**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 19:47**	**150202L05**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EQB_20150126	**15-01-1617-11-B**	**01/26/15 21:50**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 19:50**	**150202L05**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-04-008-7301**	**N/A**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 18:54**	**150202L05**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 7470A Filt.
		Method:	EPA 7470A
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#1	**15-01-1617-1-A**	**01/26/15 19:28**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 20:12**	**150202L06F**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

#2	**15-01-1617-2-A**	**01/26/15 19:47**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 20:14**	**150202L06F**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

#4	**15-01-1617-3-A**	**01/26/15 20:20**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 20:01**	**150202L06F**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

#5	**15-01-1617-4-A**	**01/26/15 20:31**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 20:17**	**150202L06F**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

#7	**15-01-1617-5-A**	**01/26/15 20:53**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 20:19**	**150202L06F**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

#8	**15-01-1617-6-A**	**01/26/15 20:48**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 20:21**	**150202L06F**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

#9	**15-01-1617-7-A**	**01/26/15 21:03**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 20:23**	**150202L06F**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

#10	**15-01-1617-8-A**	**01/26/15 21:25**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 20:25**	**150202L06F**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Exide Technologies		Date Received:	01/27/15
2700 South Indiana Street		Work Order:	15-01-1617
Vernon, CA 90023-0957		Preparation:	EPA 7470A Filt.
		Method:	EPA 7470A
		Units:	mg/L
Project: Exide Vernon - 2013 2993 07			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#11	**15-01-1617-9-A**	**01/26/15 21:40**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 20:28**	**150202L06F**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
#2_DUP	**15-01-1617-10-A**	**01/26/15 19:47**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 20:30**	**150202L06F**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EQB_20150126	**15-01-1617-11-A**	**01/26/15 21:50**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 20:32**	**150202L06F**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-763-491**	**N/A**	**Aqueous**	**Mercury 04**	**02/02/15**	**02/02/15 19:56**	**150202L06F**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

02/20/2015

MATRIX SPIKE / MATRIX SPIKE DUPLICATE QUALITY CONTROL SHEET
FOR METHOD: EPA 6010B

SPIKED SAMPLE ID: 15-01-1733-2
MS/MSD BATCH: 150128SA5
INSTRUMENTS:
SAMPLE: ICP 7300
MS: ICP 7300
MSD: ICP 7300

EXTRACTION: EPA 3010A Total
D/T EXTRACTED:
SAMPLE: 2015-01-28 00:00
MS: 2015-01-28 00:00
MSD: 2015-01-28 00:00

ANALYZED BY: 771
D/T ANALYZED:
SAMPLE: 2015-01-29 19:55
MS: 2015-01-29 19:57
MSD: 2015-01-29 19:58
REVIEWED BY: 309
D/T REVIEWED: 2015-01-30 16:56

COMMENT:

COMPOUND NAME	SAMPLE	INITIAL	FINAL	MS CONC	% MS.REC	MSD CONC	% MSD.REC	% REC CL	RPD	RPD CL	STATUS	QUALIFIERS
Antimony	**ND**	**0.5000**	**0.5000**	**0.03189**	**6**	**0.03427**	**7**	**72-132**	**7**	**0-10**	**FAIL**	**3G**
Arsenic	**0.06603**	**0.5000**	**0.5000**	**0.2356**	**34**	**0.2835**	**43**	**80-140**	**18**	**0-11**	**FAIL**	**3G4**
Barium	21.73	0.5000	0.5000	21.73	4x	20.40	4x	87-123	4x	0-6	PASS	Q
Beryllium	0.07457	0.5000	0.5000	0.5715	99	0.5517	95	89-119	4	0-8	PASS	
Cadmium	0.2044	0.5000	0.5000	0.6879	97	0.6513	89	82-124	5	0-7	PASS	
Chromium	**1.754**	**0.5000**	**0.5000**	**2.191**	**87**	**2.010**	**51**	**86-122**	**9**	**0-8**	**FAIL**	**34G**
Cobalt	**0.7817**	**0.5000**	**0.5000**	**1.234**	**90**	**1.170**	**78**	**83-125**	**5**	**0-7**	**FAIL**	**3G**
Copper	5.445	0.5000	0.5000	5.986	4x	5.653	4x	78-126	4x	0-7	PASS	Q
Lead	13.19	0.5000	0.5000	13.90	4x	12.98	4x	84-120	4x	0-7	PASS	Q
Molybdenum	**ND**	**0.5000**	**0.5000**	**0.01011**	**2**	**0.01588**	**3**	**78-126**	**44**	**0-7**	**FAIL**	**3G4**
Nickel	**1.336**	**0.5000**	**0.5000**	**1.774**	**87**	**1.670**	**67**	**84-120**	**6**	**0-7**	**FAIL**	**3G**
Selenium	**ND**	**0.5000**	**0.5000**	**0.01508**	**3**	**0.03905**	**8**	**79-127**	**89**	**0-9**	**FAIL**	**3G4**
Silver	**ND**	**0.2500**	**0.2500**	**0.2221**	**89**	**0.2007**	**80**	**86-128**	**10**	**0-7**	**FAIL**	**34G**
Thallium	**0.01767**	**0.5000**	**0.5000**	**0.1821**	**33**	**0.2097**	**38**	**79-121**	**14**	**0-8**	**FAIL**	**3G4**
Vanadium	**1.688**	**0.5000**	**0.5000**	**1.906**	**44**	**1.805**	**23**	**88-118**	**5**	**0-7**	**FAIL**	**3G**
Aluminum	674.3	0.5000	0.5000	661.9	4x	607.3	4x	73-145	4x	0-16	PASS	Q
Iron	660.1	0.5000	0.5000	618.8	4x	568.0	4x	65-149	4x	0-21	PASS	Q
Magnesium	449.7	0.5000	0.5000	441.7	4x	407.4	4x	56-140	4x	0-11	PASS	Q
Manganese	39.43	0.5000	0.5000	40.05	4x	36.96	4x	86-116	4x	0-7	PASS	Q
Zinc	38.30	0.5000	0.5000	39.47	4x	36.36	4x	89-131	4x	0-8	PASS	Q

Data Files:

TYPE	DATA FILE	DATA FILE PATH
MS	15-01-1733-2 ms.icp	W:\ICP-DATA\150129C1r\
MSD	15-01-1733-2 msd.icp	W:\ICP-DATA\150129C1r\

SAL 02/23/2015

LCS QUALITY CONTROL SHEET
FOR METHOD: EPA 6010B

LCS SAMPLE ID: **097-01-003-14822**
LCS/MB BATCH ID: 150128LA5
INSTRUMENT: ICP 7300

EXTRACTION: EPA 3010A Total
D/T EXTRACTED: 2015-01-28 00:00

ANALYZED BY: 771
D/T ANALYZED: 2015-01-29 19:39
REVIEWED BY: 309
D/T REVIEWED: 2015-01-30 16:57

DATA FILE: W:\ICP-DATA\150129C1\150128-la-5__299.icp

COMPOUND	CONC	CONC REC	%REC	%REC CL	ME CL	STATUS	QUALIFIERS
Antimony	0.5000	0.4616	92	80-120	73-127	PASS	
Arsenic	**0.5000**	**0.3966**	**79**	**80-120**	**73-127**	**ME**	**MS**
Barium	0.5000	0.4456	89	80-120	73-127	PASS	
Beryllium	0.5000	0.4149	83	80-120	73-127	PASS	
Cadmium	0.5000	0.4367	87	80-120	73-127	PASS	
Chromium	0.5000	0.4330	87	80-120	73-127	PASS	
Cobalt	0.5000	0.4517	90	80-120	73-127	PASS	
Copper	0.5000	0.4390	88	80-120	73-127	PASS	
Lead	0.5000	0.4339	87	80-120	73-127	PASS	
Molybdenum	0.5000	0.4248	85	80-120	73-127	PASS	
Nickel	0.5000	0.4337	87	80-120	73-127	PASS	
Selenium	0.5000	0.3996	80	80-120	73-127	PASS	
Silver	0.2500	0.2053	82	80-120	73-127	PASS	
Thallium	0.5000	0.4408	88	80-120	73-127	PASS	
Vanadium	0.5000	0.4316	86	80-120	73-127	PASS	
Aluminum	0.5000	0.4617	92	80-120	73-127	PASS	
Iron	0.5000	0.4356	87	80-120	73-127	PASS	
Magnesium	0.5000	0.4449	89	80-120	73-127	PASS	
Manganese	0.5000	0.4493	90	80-120	73-127	PASS	
Zinc	0.5000	0.4263	85	80-120	73-127	PASS	

Total number of LCS compounds: 20
Total number of ME compounds: 1
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Compounds listed in bold are required to be reported.

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15-01-1617_field dup
Metals+Inorgs

Site Name:	**Exide Vernon**	**Laboratory:**	**Calscience**
Project Number:	**2013-2993**	**Matrix:**	**Surface Water**

Field Duplicates

Total

Sample ID	Analyte	Units	Result	Q	RL	RPD	Qualify?
#2	Barium	mg/L	0.0717		0.01		
#2_DUP	Barium	mg/L	0.074		0.01	3.16	no

Sample ID	Analyte	Units	Result	Q	RL	Difference	Qualify?
#2	Copper	mg/L	0.0422		0.01		
#2_DUP	Copper	mg/L	0.0443		0.01	0.00	no

Sample ID	Analyte	Units	Result	Q	RL	RPD	Qualify?
#2	Lead	mg/L	0.0844		0.01		
#2_DUP	Lead	mg/L	0.125		0.01	38.78	yes

Sample ID	Analyte	Units	Result	Q	RL	RPD	Qualify?
#2	Zinc	mg/L	0.325		0.01		
#2_DUP	Zinc	mg/L	0.356		0.01	9.10	no

Dissolved

Sample ID	Analyte	Units	Result	Q	RL	RPD	Qualify?
#2	Barium	mg/L	0.0519		0.01		
#2_DUP	Barium	mg/L	0.0565		0.01	8.49	no

Sample ID	Analyte	Units	Result	Q	RL	Difference	Qualify?
#2	Copper	mg/L	0.0341		0.01		
#2_DUP	Copper	mg/L	0.0363		0.01	0.00	no

Sample ID	Analyte	Units	Result	Q	RL	Difference	Qualify?
#2	Lead	mg/L	0.0243		0.01		
#2_DUP	Lead	mg/L	0.0367		0.01	0.01	yes

Sample ID	Analyte	Units	Result	Q	RL	Difference	Qualify?
#2	Molybdenum	mg/L	0.0105		0.01		
#2_DUP	Molybdenum	mg/L	0.011		0.01	0.00	no

Sample ID	Analyte	Units	Result	Q	RL	RPD	Qualify?
#2	Zinc	mg/L	0.294		0.01		
#2_DUP	Zinc	mg/L	0.289		0.01	1.72	no

Duplicate Criteria: Aqueous matrices <30 % RPD or < ± 1*RL, Soil/Solid matrices <40 %RPD or < ± 2*RL.

*** - Denotes %RPD or difference outside criteria.**

NA - Duplicate relative percent difference or difference cannot be calculated.

U / ND - Not detected.

SJL
02/20/2015