

Bryan W. Shaw, Ph.D., P.E., *Chairman*
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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

January 18, 2017

Attn: Lori Frauli Trulson
City of Dallas, Office of Environmental Quality
1500 Marilla Street #7AN
Dallas, TX 75201

Subject: Soil, Sediment, and Surface Water Sample Results - Lane Plating Works, Inc. (TCEQ ID: 4152-4744, EPA ID: TXN000605240/TXD007336571, RN100597707), 5322 Bonnie View Road, Dallas, Dallas County, Texas

Dear Ms. Trulson:

The Texas Commission on Environmental Quality (TCEQ) collected one soil (SO-02), nine sediment and two sediment duplicate (SE-02 and SE-06 through SE-15), and seven surface water and two surface water duplicate samples (SW-06 through SW-09 and SW-11 through SW-15) on July 18-21, 2016, as part of an Environmental Protection Agency-funded Site Inspection of the Lane Plating Works, Inc. site (site) in Dallas, Texas. Samples were collected from your properties located off of Pentagon Parkway, Bonnie View Road, and within the Joppa Preserve/Lemmon Lake Park. Soil and sediment samples were collected at depths ranging from 0-6 or 6-12 inches below ground surface and surface water samples were collected from the surface of the streams and Trinity River. All samples were analyzed for total metals, mercury, and cyanide (the chemicals of concern).

Your soil sample results were compared to the TCEQ Texas Risk Reduction Program (TRRP) health-based protective concentration levels (PCLs), which represent safe levels for each chemical in soil assuming daily, long-term residential exposure. Other results were compared to the TCEQ TRRP PCLs for sediment and surface water, which represent safe levels for each chemical for incidental ingestion and dermal contact (contact recreation). Your surface water sample results were additionally compared to the TCEQ TRRP human health risk-based exposure levels (RBELs), which represent safe levels for each chemical in surface water for a fishery. Results were compared to RBELs for either an incidental or sustainable fishery dependent on the stream order and use, as discussed in the TCEQ Regulatory Guidance RG-366/TRRP-24 "Determining PCLs for Surface Water and Sediment" dated December 2007 (pp. 23-24, 26-28, and 30). Stream order is a classification of stream size. Although most of your samples were collected along first or second order streams and results were compared to the RBELs for an incidental fishery, sample SW-13 was collected from the Trinity River, a third order stream, and associated results were compared to sustainable fishery RBELs.

Manganese was detected above the TRRP RBEL for a sustainable fishery but below the TRRP contact recreation PCL in the surface water sample collected from the intersection of the stream that flows through the Joppa Preserve with the Trinity River, as shown in the table below. All other chemicals were reported as not detected or were detected below the respective TRRP PCLs or RBELs in surface water. No chemicals of concern were detected at concentrations above the respective TRRP PCLs from the soil or sediment samples collected on your properties.

Sample ID	Date	Chemical	RBEL - Sustainable Fishery (micrograms/liter)	PCL - Contact Recreation (micrograms/liter)	Result (micrograms/liter)
SW-13	7/18/16	Manganese	100	40,900	144 J

J - Result was qualified as an estimated concentration during the data review because of field duplicate quality control parameters

The TCEQ understands that the Joppa Preserve/Lemmon Lake Park is a popular fishing location. It is important to note that no surface water or sediment samples were collected from the ponds inside the park, and the manganese exceedance of the sustainable fishery TRRP RBEL occurred in a sample from the Trinity River at a location away from the main park area. The TCEQ understands that the segment of Trinity River located adjacent to the Joppa Preserve/Lemmon Lake Park (Segment 0805) is an impaired water body based on dioxins and polychlorinated biphenyls, and that there have been fish consumption advisories implemented by the Texas Department of State Health Services in this area.

The analytical results are enclosed with this letter. The Site Inspection report has been drafted and is pending final approval. The report will be made available to you once it is final. If you would like additional information about these sample results, please call me at 512-239-2466, or email me at rebecca.storms@tceq.texas.gov. Specific questions related to toxicological effects of contaminants may be directed to Joseph Haney, Toxicologist, at 512-239-5691.

Sincerely,



Rebecca Storms, P.G., Project Manager
Superfund Section
Remediation Division
Texas Commission on Environmental Quality

RS/dl

Enclosure: Laboratory Data Report

Cc: Brett Johnson, Parks and Recreation Department, Park Maintenance
Services Division, 542 East Jefferson Boulevard, Dallas, TX 75203



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Laboratory
Environmental Services Branch
10625 Fallstone Road, Houston, TX 77099
Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

Site Name ----- Lane Plating
Sample Collection Date(s)-- 07/18/16 - 07/21/16
Contact----- Bret Kendrick (6SF-RL)
Report Date----- 09/12/16
Project #----- 16SF093
Work Order(s)----- 1607003
1607007
1607008
1607010

Analyses included in this report:

Metals ICP CLP Metals ICP/MS CLP
Metals Mercury CLP (E)

Report Narrative

Metals ICP-MS:

Batch B6G2513:

BLK1: Blank results for lead exceed the RL; the source results for samples 1607003-01,-02, -03, -05, and -06 are qualified and may be blank affected.

Batch B6G2611:

BLK1/BLK2: Blank results for lead exceed the RL; the source results for samples 1607007-06, -07, and -08 are qualified and may be blank affected.

MS1/MSD1 (Source Sample 1607003-01): Antimony spike recovery is outside the acceptance limits; the source result is qualified and is an estimate.

MS2 (Sample 1607007-02): Antimony and lead spike recoveries are outside the acceptance limits; the source results are qualified and are an estimate.

MS3/MSD3 (Sample 16007008-07): Antimony and selenium recoveries are outside the acceptance limits; the source results are qualified and are estimates. Lead spike recovery is

Report Narrative (cont'd)

outside the acceptance limits. The source results are four or more times the spike added, therefore cannot be reliably calculated.

The RPD for antimony is outside acceptance limits; likely due to non-homogenous samples.

Metals ICP :

Batch B6G2610:

MS1/MSD1 (Source Sample 1607003-01): Aluminum and iron spike recoveries are outside the acceptance limits; however, sample concentrations exceeded spike added concentrations by a factor of four or more and the spike recoveries cannot be reliably calculated. Calcium and manganese spike recoveries are outside control limits; the source results are qualified and are estimates. The RPD for manganese is outside acceptance limits, likely due to non-homogenous samples.

MS2/MSD2 (Source Sample 1607007-02): Aluminum, calcium, iron, and manganese spike recoveries are outside the acceptance limits; however, sample concentrations exceed the spike added concentrations by a factor of four or more and the spike recoveries cannot be reliably calculated.

MS3/MSD3 (Source Sample 1607008-07): Aluminum, cadmium, chromium, copper, iron, manganese, nickel, and zinc spike recoveries are outside the acceptance limits; however, the sample concentrations exceed the spike added concentrations by a factor of four or more and the spike recoveries cannot be reliably calculated.

Standard procedures for quality assurance and quality control were followed in the analysis and reporting of the sample results. The results apply only to the samples tested. This final report should only be reproduced in full.

The reporting limit (sometimes referred to as a quantitation limit) is defined as the lowest concentration at which an analyte can be reliably measured and reported without qualification. Reporting limits are adjusted for sample size, dilution, and matrix interference. Concentrations below the reporting limit are reported as non-detects or <RL.

Report Approvals:

Richard McMillin
Region 6 Laboratory Technical Manager

David W. McQuiddy
Region 6 Laboratory Branch Chief



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
 Phone:(281)983-2100 Fax:(281)983-2248

Metals by CLP ILM05.3 - ICP

Lab ID: 1607003-01

Station ID: SE-11

Batch: B6G2610

Date Collected: 07/18/16

Sample Type: Solid

Sample Wt: 0.585g

Sample Qualifiers:

%Solids: 78.05

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	2,850		11.0	1	07/26/16	07/28/16
Barium (7440-39-3)	47.4		1.1	"	"	"
Beryllium (7440-41-7)	0.6		0.5	"	"	"
Cadmium (7440-43-9)	U		0.5	"	"	"
Calcium (7440-70-2)	41,900	J	16.4	"	"	"
Chromium (7440-47-3)	3.5		1.1	"	"	"
Cobalt (7440-48-4)	2.4		2.2	"	"	"
Copper (7440-50-8)	6.6		2.2	"	"	"
Iron (7439-89-6)	3,040		2.7	"	"	"
Magnesium (7439-95-4)	495		16.4	"	"	"
Manganese (7439-96-5)	68.1	J	0.5	"	"	"
Nickel (7440-02-2)	5.9		2.2	"	"	"
Potassium (7440-09-7)	383		110	"	"	"
Silver (7440-22-4)	U		1.1	"	"	"
Sodium (7440-23-5)	88.3		54.8	"	"	"
Vanadium (7440-62-2)	13.0		2.2	"	"	"
Zinc (7440-66-6)	15.2		2.2	"	"	"

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Metals by CLP ILM05.3 - ICP/MS

Lab ID: 1607003-01

Station ID: SE-11

Batch: B6G2611

Date Collected: 07/18/16

Sample Type: Solid

Sample Wt: 0.585g

Sample Qualifiers:

%Solids: 78.05

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U	UJ	0.5	10	07/26/16	08/01/16
Arsenic (7440-38-2)	0.5		0.5	"	"	"
Lead (7439-92-1)	7.3	B	0.5	"	"	"
Selenium (7782-49-2)	U		1.1	"	"	"
Thallium (7440-28-0)	U		0.5	"	"	"

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Metals by CLP ILM05.3 - CVAAS

Lab ID: 1607003-01

Station ID: SE-11

Batch: B6G2705

Date Collected: 07/18/16

Sample Type: Solid

Sample Wt: 0.182g

Sample Qualifiers:

%Solids: 78.05

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.056	1	08/01/16	08/02/16

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1607003-02

Station ID: SE-12

Batch: B6G2610

Date Collected: 07/18/16

Sample Type: Solid

Sample Wt: 0.6g

Sample Qualifiers:

%Solids: 77.96

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	4,250		10.7	1	07/26/16	07/28/16
Barium (7440-39-3)	46.7		1.1	"	"	"
Beryllium (7440-41-7)	0.5		0.5	"	"	"
Cadmium (7440-43-9)	0.6		0.5	"	"	"
Calcium (7440-70-2)	43,900		16.0	"	"	"
Chromium (7440-47-3)	6.5		1.1	"	"	"
Cobalt (7440-48-4)	5.6		2.1	"	"	"
Copper (7440-50-8)	6.5		2.1	"	"	"
Iron (7439-89-6)	9,450		2.7	"	"	"
Magnesium (7439-95-4)	1,100		16.0	"	"	"
Manganese (7439-96-5)	339		0.5	"	"	"
Nickel (7440-02-2)	10.7		2.1	"	"	"
Potassium (7440-09-7)	726		107	"	"	"
Silver (7440-22-4)	U		1.1	"	"	"
Sodium (7440-23-5)	117		53.4	"	"	"
Vanadium (7440-62-2)	18.8		2.1	"	"	"
Zinc (7440-66-6)	20.0		2.1	"	"	"

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Metals by CLP ILM05.3 - ICP/MS

Lab ID: 1607003-02

Station ID: SE-12

Batch: B6G2611

Date Collected: 07/18/16

Sample Type: Solid

Sample Wt: 0.6g

Sample Qualifiers:

%Solids: 77.96

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		0.5	10	07/26/16	08/01/16
Arsenic (7440-38-2)	4.2		0.5	"	"	"
Lead (7439-92-1)	10.0	B	0.5	"	"	"
Selenium (7782-49-2)	U		1.1	"	"	"
Thallium (7440-28-0)	U		0.5	"	"	"

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Metals by CLP ILM05.3 - CVAAS

Lab ID: 1607003-02

Station ID: SE-12

Batch: B6G2705

Date Collected: 07/18/16

Sample Type: Solid

Sample Wt: 0.187g

Sample Qualifiers:

%Solids: 77.96

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.055	1	08/01/16	08/02/16 sm



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Metals by CLP ILM05.3 - ICP

Lab ID: 1607003-03

Station ID: SE-13

Batch: B6G2610

Date Collected: 07/18/16

Sample Type: Solid

Sample Wt: 0.602g

Sample Qualifiers:

%Solids: 72.43

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	3,270		11.5	1	07/26/16	07/28/16
Barium (7440-39-3)	51.6		1.1	"	"	"
Beryllium (7440-41-7)	U		0.6	"	"	"
Cadmium (7440-43-9)	0.6		0.6	"	"	"
Calcium (7440-70-2)	51,300		17.2	"	"	"
Chromium (7440-47-3)	6.8		1.1	"	"	"
Cobalt (7440-48-4)	4.4		2.3	"	"	"
Copper (7440-50-8)	7.4		2.3	"	"	"
Iron (7439-89-6)	7,430		2.9	"	"	"
Magnesium (7439-95-4)	1,000		17.2	"	"	"
Manganese (7439-96-5)	225		0.6	"	"	"
Nickel (7440-02-2)	8.3		2.3	"	"	"
Potassium (7440-09-7)	629		115	"	"	"
Silver (7440-22-4)	U		1.1	"	"	"
Sodium (7440-23-5)	71.0		57.3	"	"	"
Vanadium (7440-62-2)	13.6		2.3	"	"	"
Zinc (7440-66-6)	25.0		2.3	"	"	"

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Metals by CLP ILM05.3 - ICP/MS

Lab ID: 1607003-03

Station ID: SE-13

Batch: B6G2611

Date Collected: 07/18/16

Sample Type: Solid

Sample Wt: 0.602g

Sample Qualifiers:

%Solids: 72.43

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		0.6	10	07/26/16	08/01/16
Arsenic (7440-38-2)	3.0		0.6	"	"	"
Lead (7439-92-1)	15.6	B	0.6	"	"	"
Selenium (7782-49-2)	U		1.1	"	"	"
Thallium (7440-28-0)	U		0.6	"	"	"

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Metals by CLP ILM05.3 - CVAAS

Lab ID: 1607003-03

Station ID: SE-13

Batch: B6G2705

Date Collected: 07/18/16

Sample Type: Solid

Sample Wt: 0.176g

Sample Qualifiers:

%Solids: 72.43

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.063	1	08/01/16	08/02/16

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Metals by CLP ILM05.3 - ICP

Lab ID: 1607003-04

Station ID: SW-11

Batch: B6G2512

Date Collected: 07/18/16

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	07/25/16	07/27/16
Barium (7440-39-3)	85.7		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	128,000		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	434		25.0	"	"	"
Magnesium (7439-95-4)	8,310		150	"	"	"
Manganese (7439-96-5)	257		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	2,510		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	79,000		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1607003-04

Station ID: SW-11

Batch: B6G2513

Date Collected: 07/18/16

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	07/25/16	07/28/16
Arsenic (7440-38-2)	2.0		2.0	"	"	"
Cadmium (7440-43-9)	U		2.0	"	"	"
Copper (7440-50-8)	U		4.0	"	"	"
Lead (7439-92-1)	U		2.0	"	"	"
Selenium (7782-49-2)	U		4.0	"	"	"
Silver (7440-22-4)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

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Metals by CLP ILM05.3 - CVAAS

Lab ID: 1607003-04

Station ID: SW-11

Batch: B6G2706

Date Collected: 07/18/16

Sample Type: Liquid

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/02/16	08/03/16

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Metals by CLP ILM05.3 - ICP

Lab ID: 1607003-05

Station ID: SW-12

Batch: B6G2512

Date Collected: 07/18/16

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	324		100	1	07/25/16	07/27/16
Barium (7440-39-3)	86.1		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	128,000		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	439		25.0	"	"	"
Magnesium (7439-95-4)	8,240		150	"	"	"
Manganese (7439-96-5)	205		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	2,640		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	76,000		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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10625 Fallstone Road, Houston, TX 77099
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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1607003-05

Station ID: SW-12

Batch: B6G2513

Date Collected: 07/18/16

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	07/25/16	07/28/16
Arsenic (7440-38-2)	U		2.0	"	"	"
Cadmium (7440-43-9)	U		2.0	"	"	"
Copper (7440-50-8)	13.9		4.0	"	"	"
Lead (7439-92-1)	5.1	B	2.0	"	"	"
Selenium (7782-49-2)	U		4.0	"	"	"
Silver (7440-22-4)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

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Metals by CLP ILM05.3 - CVAAS

Lab ID: 1607003-05

Station ID: SW-12

Batch: B6G2706

Date Collected: 07/18/16

Sample Type: Liquid

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/02/16	08/03/16 sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1607003-06

Station ID: SW-13

Batch: B6G2512

Date Collected: 07/18/16

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	1,560		100	1	07/25/16	07/27/16
Barium (7440-39-3)	63.4		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	50,800		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	1,870		25.0	"	"	"
Magnesium (7439-95-4)	5,140		150	"	"	"
Manganese (7439-96-5)	144		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	5,340		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	22,600		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

ts



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Metals by CLP ILM05.3 - ICP/MS

Lab ID: 1607003-06

Station ID: SW-13

Batch: B6G2513

Date Collected: 07/18/16

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	07/25/16	07/28/16
Arsenic (7440-38-2)	2.9		2.0	"	"	"
Cadmium (7440-43-9)	U		2.0	"	"	"
Copper (7440-50-8)	U		4.0	"	"	"
Lead (7439-92-1)	3.4	B	2.0	"	"	"
Selenium (7782-49-2)	U		4.0	"	"	"
Silver (7440-22-4)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

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Metals by CLP ILM05.3 - CVAAS

Lab ID: 1607003-06

Station ID: SW-13

Batch: B6G2706

Date Collected: 07/18/16

Sample Type: Liquid

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/02/16	08/03/16

sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1607007-02

Station ID: SE-06

Batch: B6G2610

Date Collected: 07/19/16

Sample Type: Solid

Sample Wt: 0.848g

Sample Qualifiers:

%Solids: 65.67

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	7,870		35.9	4	07/26/16	07/28/16
Barium (7440-39-3)	120		3.6	"	"	"
Beryllium (7440-41-7)	0.7		0.4	1	"	"
Cadmium (7440-43-9)	0.7		0.4	"	"	"
Calcium (7440-70-2)	136,000		53.9	4	"	"
Chromium (7440-47-3)	61.4		3.6	"	"	"
Cobalt (7440-48-4)	10.4		7.2	"	"	"
Copper (7440-50-8)	15.8		7.2	"	"	"
Iron (7439-89-6)	10,500		9.0	"	"	"
Magnesium (7439-95-4)	1,880		53.9	"	"	"
Manganese (7439-96-5)	1,530		1.8	"	"	"
Nickel (7440-02-2)	20.1		7.2	"	"	"
Potassium (7440-09-7)	1,040		359	"	"	"
Silver (7440-22-4)	U		0.9	1	"	"
Sodium (7440-23-5)	U		180	4	"	"
Vanadium (7440-62-2)	35.2		7.2	"	"	"
Zinc (7440-66-6)	49.6		7.2	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1607007-02

Station ID: SE-06

Batch: B6G2611

Date Collected: 07/19/16

Sample Type: Solid

Sample Wt: 0.848g

Sample Qualifiers:

%Solids: 65.67

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U	UJ	0.4	10	07/26/16	08/01/16
Arsenic (7440-38-2)	8.0		0.4	"	"	"
Lead (7439-92-1)	36.5	J	0.4	"	"	"
Selenium (7782-49-2)	U		0.9	"	"	"
Thallium (7440-28-0)	0.4		0.4	"	"	"

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Metals by CLP ILM05.3 - CVAAS

Lab ID: 1607007-02

Station ID: SE-06

Batch: B6G2705

Date Collected: 07/19/16

Sample Type: Solid

Sample Wt: 0.176g

Sample Qualifiers:

%Solids: 65.67

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	0.091		0.069	1	08/01/16	08/02/16

sm



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Metals by CLP ILM05.3 - ICP

Lab ID: 1607007-03

Station ID: SE-07

Batch: B6G2610

Date Collected: 07/19/16

Sample Type: Solid

Sample Wt: 0.888g

Sample Qualifiers:

%Solids: 58.61

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	7,940		38.4	4	07/26/16	07/28/16
Barium (7440-39-3)	113		1.0	1	"	"
Beryllium (7440-41-7)	0.7		0.5	"	"	"
Cadmium (7440-43-9)	0.8		0.5	"	"	"
Calcium (7440-70-2)	143,000		57.6	4	"	"
Chromium (7440-47-3)	83.4		3.8	"	"	"
Cobalt (7440-48-4)	9.6		7.7	"	"	"
Copper (7440-50-8)	17.3		7.7	"	"	"
Iron (7439-89-6)	10,600		9.6	"	"	"
Magnesium (7439-95-4)	1,980		57.6	"	"	"
Manganese (7439-96-5)	1,130		1.9	"	"	"
Nickel (7440-02-2)	22.3		7.7	"	"	"
Potassium (7440-09-7)	1,130		384	"	"	"
Silver (7440-22-4)	U		1.0	1	"	"
Sodium (7440-23-5)	U		192	4	"	"
Vanadium (7440-62-2)	38.0		7.7	"	"	"
Zinc (7440-66-6)	67.3		7.7	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1607007-03

Station ID: SE-07

Batch: B6G2611

Date Collected: 07/19/16

Sample Type: Solid

Sample Wt: 0.888g

Sample Qualifiers:

%Solids: 58.61

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		0.5	10	07/26/16	08/01/16
Arsenic (7440-38-2)	7.4		0.5	"	"	"
Lead (7439-92-1)	44.0		0.5	"	"	"
Selenium (7782-49-2)	U		1.0	"	"	"
Thallium (7440-28-0)	U		0.5	"	"	"

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Metals by CLP ILM05.3 - CVAAS

Lab ID: 1607007-03

Station ID: SE-07

Batch: B6G2705

Date Collected: 07/19/16

Sample Type: Solid

Sample Wt: 0.196g

Sample Qualifiers:

%Solids: 58.61

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	0.143		0.070	1	08/01/16	08/02/16

sm



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Metals by CLP ILM05.3 - ICP

Lab ID: 1607007-04

Station ID: SE-10

Batch: B6G2610

Date Collected: 07/19/16

Sample Type: Solid

Sample Wt: 0.562g

Sample Qualifiers:

%Solids: 84.51

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	6,610		42.1	4	07/26/16	07/28/16
Barium (7440-39-3)	85.9		4.2	"	"	"
Beryllium (7440-41-7)	0.7		0.5	1	"	"
Cadmium (7440-43-9)	0.8		0.5	"	"	"
Calcium (7440-70-2)	157,000		63.2	4	"	"
Chromium (7440-47-3)	38.3		1.1	1	"	"
Cobalt (7440-48-4)	U		8.4	4	"	"
Copper (7440-50-8)	14.7		8.4	"	"	"
Iron (7439-89-6)	9,350		10.5	"	"	"
Magnesium (7439-95-4)	1,700		63.2	"	"	"
Manganese (7439-96-5)	880		2.1	"	"	"
Nickel (7440-02-2)	19.8		8.4	"	"	"
Potassium (7440-09-7)	872		421	"	"	"
Silver (7440-22-4)	U		1.1	1	"	"
Sodium (7440-23-5)	U		211	4	"	"
Vanadium (7440-62-2)	32.0		8.4	"	"	"
Zinc (7440-66-6)	64.8		8.4	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1607007-04

Station ID: SE-10

Batch: B6G2611

Date Collected: 07/19/16

Sample Type: Solid

Sample Wt: 0.562g

Sample Qualifiers:

%Solids: 84.51

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		0.5	10	07/26/16	08/01/16
Arsenic (7440-38-2)	6.5		0.5	"	"	"
Lead (7439-92-1)	107		0.5	"	"	"
Selenium (7782-49-2)	U		1.1	"	"	"
Thallium (7440-28-0)	U		0.5	"	"	"

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Metals by CLP ILM05.3 - CVAAS

Lab ID: 1607007-04

Station ID: SE-10

Batch: B6G2705

Date Collected: 07/19/16

Sample Type: Solid

Sample Wt: 0.137g

Sample Qualifiers:

%Solids: 84.51

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	0.117		0.069	1	08/01/16	08/02/16

sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1607007-07

Station ID: SW-06

Batch: B6G2512

Date Collected: 07/19/16

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	171		100	1	07/25/16	07/27/16
Barium (7440-39-3)	88.3		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	101,000		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	372		25.0	"	"	"
Magnesium (7439-95-4)	3,230		150	"	"	"
Manganese (7439-96-5)	262		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	2,960		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	16,200		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

ts



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Metals by CLP ILM05.3 - ICP/MS

Lab ID: 1607007-07

Station ID: SW-06

Batch: B6G2513

Date Collected: 07/19/16

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	07/25/16	07/28/16
Arsenic (7440-38-2)	4.0		2.0	"	"	"
Cadmium (7440-43-9)	U		2.0	"	"	"
Copper (7440-50-8)	U		4.0	"	"	"
Lead (7439-92-1)	2.5	B	2.0	"	"	"
Selenium (7782-49-2)	U		4.0	"	"	"
Silver (7440-22-4)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

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Metals by CLP ILM05.3 - CVAAS

Lab ID: 1607007-07

Station ID: SW-06

Batch: B6G2706

Date Collected: 07/19/16

Sample Type: Liquid

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/02/16	08/03/16

sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1607007-08

Station ID: SW-07

Batch: B6G2512

Date Collected: 07/19/16

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	381		100	1	07/25/16	07/27/16
Barium (7440-39-3)	83.6		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	100,000		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	531		25.0	"	"	"
Magnesium (7439-95-4)	3,160		150	"	"	"
Manganese (7439-96-5)	265		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	2,850		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	15,400		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

ts



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Metals by CLP ILM05.3 - ICP/MS

Lab ID: 1607007-08

Station ID: SW-07

Batch: B6G2513

Date Collected: 07/19/16

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	07/25/16	07/28/16
Arsenic (7440-38-2)	3.9		2.0	"	"	"
Cadmium (7440-43-9)	U		2.0	"	"	"
Copper (7440-50-8)	U		4.0	"	"	"
Lead (7439-92-1)	3.7	B	2.0	"	"	"
Selenium (7782-49-2)	U		4.0	"	"	"
Silver (7440-22-4)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

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Metals by CLP ILM05.3 - CVAAS

Lab ID: 1607007-08

Station ID: SW-07

Batch: B6G2706

Date Collected: 07/19/16

Sample Type: Liquid

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/02/16	08/03/16 sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1607008-02

Station ID: SE-02

Batch: B6G2610

Date Collected: 07/20/16

Sample Type: Solid

Sample Wt: 0.632g

Sample Qualifiers:

%Solids: 67.59

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	5,830		46.8	4	07/26/16	07/28/16
Barium (7440-39-3)	73.5		4.7	"	"	"
Beryllium (7440-41-7)	0.6		0.6	1	"	"
Cadmium (7440-43-9)	0.6		0.6	"	"	"
Calcium (7440-70-2)	161,000		70.2	4	"	"
Chromium (7440-47-3)	7.8		1.2	1	"	"
Cobalt (7440-48-4)	5.0		2.3	"	"	"
Copper (7440-50-8)	12.8		2.3	"	"	"
Iron (7439-89-6)	8,330		11.7	4	"	"
Magnesium (7439-95-4)	3,330		70.2	"	"	"
Manganese (7439-96-5)	501		2.3	"	"	"
Nickel (7440-02-2)	15.9		9.4	"	"	"
Potassium (7440-09-7)	1,000		468	"	"	"
Silver (7440-22-4)	U		1.2	1	"	"
Sodium (7440-23-5)	U		234	4	"	"
Vanadium (7440-62-2)	27.6		9.4	"	"	"
Zinc (7440-66-6)	56.7		9.4	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1607008-02

Station ID: SE-02

Batch: B6G2611

Date Collected: 07/20/16

Sample Type: Solid

Sample Wt: 0.632g

Sample Qualifiers:

%Solids: 67.59

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		0.6	10	07/26/16	08/01/16
Arsenic (7440-38-2)	5.0		0.6	"	"	"
Lead (7439-92-1)	30.3		0.6	"	"	"
Selenium (7782-49-2)	U		1.2	"	"	"
Thallium (7440-28-0)	U		0.6	"	"	"

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Metals by CLP ILM05.3 - CVAAS

Lab ID: 1607008-02

Station ID: SE-02

Batch: B6H0109

Date Collected: 07/20/16

Sample Type: Solid

Sample Wt: 0.179g

Sample Qualifiers:

%Solids: 67.59

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.066	1	08/04/16	08/04/16

sm



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Metals by CLP ILM05.3 - ICP

Lab ID: 1607008-06

Station ID: SO-02

Batch: B6G2610

Date Collected: 07/20/16

Sample Type: Solid

Sample Wt: 0.541g

Sample Qualifiers:

%Solids: 82.94

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	6,200		44.6	4	07/26/16	07/28/16
Barium (7440-39-3)	77.6		4.5	"	"	"
Beryllium (7440-41-7)	0.6		0.6	1	"	"
Cadmium (7440-43-9)	0.6		0.6	"	"	"
Calcium (7440-70-2)	165,000		66.9	4	"	"
Chromium (7440-47-3)	7.9		1.1	1	"	"
Cobalt (7440-48-4)	4.8		2.2	"	"	"
Copper (7440-50-8)	11.1		8.9	4	"	"
Iron (7439-89-6)	7,440		11.1	"	"	"
Magnesium (7439-95-4)	1,810		66.9	"	"	"
Manganese (7439-96-5)	651		2.2	"	"	"
Nickel (7440-02-2)	15.2		8.9	"	"	"
Potassium (7440-09-7)	1,010		446	"	"	"
Silver (7440-22-4)	U		1.1	1	"	"
Sodium (7440-23-5)	U		223	4	"	"
Vanadium (7440-62-2)	25.4		8.9	"	"	"
Zinc (7440-66-6)	36.1		8.9	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1607008-06

Station ID: SO-02

Batch: B6G2611

Date Collected: 07/20/16

Sample Type: Solid

Sample Wt: 0.541g

Sample Qualifiers:

%Solids: 82.94

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		0.6	10	07/26/16	08/02/16
Arsenic (7440-38-2)	4.6		0.6	"	"	"
Lead (7439-92-1)	24.6		0.6	"	"	"
Selenium (7782-49-2)	U		1.1	"	"	"
Thallium (7440-28-0)	U		0.6	"	"	"

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Metals by CLP ILM05.3 - CVAAS

Lab ID: 1607008-06

Station ID: SO-02

Batch: B6H0109

Date Collected: 07/20/16

Sample Type: Solid

Sample Wt: 0.139g

Sample Qualifiers:

%Solids: 82.94

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.069	1	08/04/16	08/04/16

sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1607010-01

Station ID: SE-08

Batch: B6G2610

Date Collected: 07/21/16

Sample Type: Solid

Sample Wt: 0.811g

Sample Qualifiers:

%Solids: 65.68

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	5,750		37.5	4	07/26/16	07/28/16
Barium (7440-39-3)	69.8		3.8	"	"	"
Beryllium (7440-41-7)	0.5		0.5	1	"	"
Cadmium (7440-43-9)	0.8		0.5	"	"	"
Calcium (7440-70-2)	148,000		56.3	4	"	"
Chromium (7440-47-3)	31.5		3.8	"	"	"
Cobalt (7440-48-4)	4.9		1.9	1	"	"
Copper (7440-50-8)	16.1		7.5	4	"	"
Iron (7439-89-6)	7,920		9.4	"	"	"
Magnesium (7439-95-4)	1,590		56.3	"	"	"
Manganese (7439-96-5)	473		1.9	"	"	"
Nickel (7440-02-2)	14.6		7.5	"	"	"
Potassium (7440-09-7)	867		375	"	"	"
Silver (7440-22-4)	U		0.9	1	"	"
Sodium (7440-23-5)	U		188	4	"	"
Vanadium (7440-62-2)	27.8		7.5	"	"	"
Zinc (7440-66-6)	74.3		7.5	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1607010-01

Station ID: SE-08

Batch: B6G2611

Date Collected: 07/21/16

Sample Type: Solid

Sample Wt: 0.811g

Sample Qualifiers:

%Solids: 65.68

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		0.5	10	07/26/16	08/02/16
Arsenic (7440-38-2)	3.6		0.5	"	"	"
Lead (7439-92-1)	109		0.5	"	"	"
Selenium (7782-49-2)	U		0.9	"	"	"
Thallium (7440-28-0)	U		0.5	"	"	"

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Metals by CLP ILM05.3 - CVAAS

Lab ID: 1607010-01

Station ID: SE-08

Batch: B6H0109

Date Collected: 07/21/16

Sample Type: Solid

Sample Wt: 0.194g

Sample Qualifiers:

%Solids: 65.68

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	0.074		0.063	1	08/04/16	08/04/16

sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1607010-02

Station ID: SE-09

Batch: B6G2610

Date Collected: 07/21/16

Sample Type: Solid

Sample Wt: 0.956g

Sample Qualifiers:

%Solids: 43.89

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	7,860		47.7	4	07/26/16	07/28/16
Barium (7440-39-3)	89.1		4.8	"	"	"
Beryllium (7440-41-7)	0.7		0.6	1	"	"
Cadmium (7440-43-9)	0.9		0.6	"	"	"
Calcium (7440-70-2)	146,000		71.5	4	"	"
Chromium (7440-47-3)	19.5		4.8	"	"	"
Cobalt (7440-48-4)	6.4		2.4	1	"	"
Copper (7440-50-8)	21.9		9.5	4	"	"
Iron (7439-89-6)	10,100		11.9	"	"	"
Magnesium (7439-95-4)	1,900		71.5	"	"	"
Manganese (7439-96-5)	500		2.4	"	"	"
Nickel (7440-02-2)	18.6		9.5	"	"	"
Potassium (7440-09-7)	1,220		477	"	"	"
Silver (7440-22-4)	U		1.2	1	"	"
Sodium (7440-23-5)	U		238	4	"	"
Vanadium (7440-62-2)	34.3		9.5	"	"	"
Zinc (7440-66-6)	81.5		9.5	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1607010-02

Station ID: SE-09

Batch: B6G2611

Date Collected: 07/21/16

Sample Type: Solid

Sample Wt: 0.956g

Sample Qualifiers:

%Solids: 43.89

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		0.6	10	07/26/16	08/02/16
Arsenic (7440-38-2)	4.7		0.6	"	"	"
Lead (7439-92-1)	70.6		0.6	"	"	"
Selenium (7782-49-2)	U		1.2	"	"	"
Thallium (7440-28-0)	U		0.6	"	"	"

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Metals by CLP ILM05.3 - CVAAS

Lab ID: 1607010-02

Station ID: SE-09

Batch: B6H0109

Date Collected: 07/21/16

Sample Type: Solid

Sample Wt: 0.235g

Sample Qualifiers:

%Solids: 43.89

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	0.085		0.078	1	08/04/16	08/04/16

sm



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Metals by CLP ILM05.3 - ICP

Lab ID: 1607010-03

Station ID: SE-14

Batch: B6G2610

Date Collected: 07/21/16

Sample Type: Solid

Sample Wt: 0.941g

Sample Qualifiers:

%Solids: 62.32

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	5,180		34.1	4	07/26/16	07/28/16
Barium (7440-39-3)	66.8		3.4	"	"	"
Beryllium (7440-41-7)	0.5		0.4	1	"	"
Cadmium (7440-43-9)	0.8		0.4	"	"	"
Calcium (7440-70-2)	160,000		51.2	4	"	"
Chromium (7440-47-3)	28.6		3.4	"	"	"
Cobalt (7440-48-4)	5.1		1.7	1	"	"
Copper (7440-50-8)	14.7		6.8	4	"	"
Iron (7439-89-6)	8,830		8.5	"	"	"
Magnesium (7439-95-4)	1,560		51.2	"	"	"
Manganese (7439-96-5)	501		1.7	"	"	"
Nickel (7440-02-2)	14.7		6.8	"	"	"
Potassium (7440-09-7)	784		341	"	"	"
Silver (7440-22-4)	U		0.9	1	"	"
Sodium (7440-23-5)	U		171	4	"	"
Vanadium (7440-62-2)	28.0		6.8	"	"	"
Zinc (7440-66-6)	70.9		6.8	"	"	"

ts



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Lab ID: 1607010-03

Station ID: SE-14

Batch: B6G2611

Date Collected: 07/21/16

Sample Type: Solid

Sample Wt: 0.941g

Sample Qualifiers:

%Solids: 62.32

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		0.4	10	07/26/16	08/02/16
Arsenic (7440-38-2)	5.1		0.4	"	"	"
Lead (7439-92-1)	131		0.4	"	"	"
Selenium (7782-49-2)	U		0.9	"	"	"
Thallium (7440-28-0)	U		0.4	"	"	"

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Metals by CLP ILM05.3 - CVAAS

Lab ID: 1607010-03

Station ID: SE-14

Batch: B6H0109

Date Collected: 07/21/16

Sample Type: Solid

Sample Wt: 0.198g

Sample Qualifiers:

%Solids: 62.32

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	0.098		0.065	1	08/04/16	08/04/16

sm



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Metals by CLP ILM05.3 - ICP

Lab ID: 1607010-04

Station ID: SE-15

Batch: B6G2610

Date Collected: 07/21/16

Sample Type: Solid

Sample Wt: 0.977g

Sample Qualifiers:

%Solids: 50.02

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	6,910		40.9	4	07/26/16	07/28/16
Barium (7440-39-3)	73.3		4.1	"	"	"
Beryllium (7440-41-7)	0.6		0.5	1	"	"
Cadmium (7440-43-9)	0.7		0.5	"	"	"
Calcium (7440-70-2)	121,000		61.4	4	"	"
Chromium (7440-47-3)	18.0		4.1	"	"	"
Cobalt (7440-48-4)	5.6		2.0	1	"	"
Copper (7440-50-8)	18.4		8.2	4	"	"
Iron (7439-89-6)	8,640		10.2	"	"	"
Magnesium (7439-95-4)	1,660		61.4	"	"	"
Manganese (7439-96-5)	426		2.0	"	"	"
Nickel (7440-02-2)	16.0		8.2	"	"	"
Potassium (7440-09-7)	1,060		409	"	"	"
Silver (7440-22-4)	U		1.0	1	"	"
Sodium (7440-23-5)	U		205	4	"	"
Vanadium (7440-62-2)	28.2		8.2	"	"	"
Zinc (7440-66-6)	73.3		8.2	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1607010-04

Station ID: SE-15

Batch: B6G2611

Date Collected: 07/21/16

Sample Type: Solid

Sample Wt: 0.977g

Sample Qualifiers:

%Solids: 50.02

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		0.5	10	07/26/16	08/02/16
Arsenic (7440-38-2)	4.0		0.5	"	"	"
Lead (7439-92-1)	61.5		0.5	"	"	"
Selenium (7782-49-2)	U		1.0	"	"	"
Thallium (7440-28-0)	U		0.5	"	"	"

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Metals by CLP ILM05.3 - CVAAS

Lab ID: 1607010-04

Station ID: SE-15

Batch: B6H0109

Date Collected: 07/21/16

Sample Type: Solid

Sample Wt: 0.235g

Sample Qualifiers:

%Solids: 50.02

Targets

Analyte (CAS Number)	Result mg/Kg dry	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	0.086		0.068	1	08/04/16	08/04/16

sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1607010-05

Station ID: SW-08

Batch: B6G2512

Date Collected: 07/21/16

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	386		100	1	07/25/16	07/27/16
Barium (7440-39-3)	82.8		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	81,000		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	528		25.0	"	"	"
Magnesium (7439-95-4)	2,550		150	"	"	"
Manganese (7439-96-5)	974		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	3,370		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	12,600		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILM05.3 - ICP/MS

Lab ID: 1607010-05

Station ID: SW-08

Batch: B6G2513

Date Collected: 07/21/16

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	07/25/16	07/28/16
Arsenic (7440-38-2)	4.1		2.0	"	"	"
Cadmium (7440-43-9)	U		2.0	"	"	"
Copper (7440-50-8)	U		4.0	"	"	"
Lead (7439-92-1)	3.3		2.0	"	"	"
Selenium (7782-49-2)	U		4.0	"	"	"
Silver (7440-22-4)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

KD



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Metals by CLP ILM05.3 - CVAAS

Lab ID: 1607010-05

Station ID: SW-08

Batch: B6G2706

Date Collected: 07/21/16

Sample Type: Liquid

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/02/16	08/03/16 sm



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Metals by CLP ILMO5.3 - ICP

Lab ID: 1607010-06

Station ID: SW-09

Batch: B6G2512

Date Collected: 07/21/16

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	762		100	1	07/25/16	07/27/16
Barium (7440-39-3)	53.6		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	70,800		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	943		25.0	"	"	"
Magnesium (7439-95-4)	2,400		150	"	"	"
Manganese (7439-96-5)	318		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	3,660		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	11,300		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

ts



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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1607010-06

Station ID: SW-09

Batch: B6G2513

Date Collected: 07/21/16

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	07/25/16	07/28/16
Arsenic (7440-38-2)	4.0		2.0	"	"	"
Cadmium (7440-43-9)	U		2.0	"	"	"
Copper (7440-50-8)	U		4.0	"	"	"
Lead (7439-92-1)	6.2		2.0	"	"	"
Selenium (7782-49-2)	U		4.0	"	"	"
Silver (7440-22-4)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

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Metals by CLP ILM05.3 - CVAAS

Lab ID: 1607010-06

Station ID: SW-09

Batch: B6G2706

Date Collected: 07/21/16

Sample Type: Liquid

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/02/16	08/03/16

sm



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Metals by CLP ILM05.3 - ICP

Lab ID: 1607010-07

Station ID: SW-14

Batch: B6G2512

Date Collected: 07/21/16

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	351		100	1	07/25/16	07/27/16
Barium (7440-39-3)	63.2		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	82,000		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	571		25.0	"	"	"
Magnesium (7439-95-4)	2,610		150	"	"	"
Manganese (7439-96-5)	359		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	3,230		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	13,000		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

ts



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
 Phone:(281)983-2100 Fax:(281)983-2248

Metals by CLP ILM05.3 - ICP/MS

Lab ID: 1607010-07

Station ID: SW-14

Batch: B6G2513

Date Collected: 07/21/16

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	07/25/16	07/28/16
Arsenic (7440-38-2)	4.3		2.0	"	"	"
Cadmium (7440-43-9)	U		2.0	"	"	"
Copper (7440-50-8)	U		4.0	"	"	"
Lead (7439-92-1)	3.2		2.0	"	"	"
Selenium (7782-49-2)	U		4.0	"	"	"
Silver (7440-22-4)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

KD



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Metals by CLP ILM05.3 - CVAAS

Lab ID: 1607010-07

Station ID: SW-14

Batch: B6G2706

Date Collected: 07/21/16

Sample Type: Liquid

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/02/16	08/03/16

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Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
 Phone:(281)983-2100 Fax:(281)983-2248

Metals by CLP ILM05.3 - ICP

Lab ID: 1607010-08

Station ID: SW-15

Batch: B6G2512

Date Collected: 07/21/16

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	842		100	1	07/25/16	07/27/16
Barium (7440-39-3)	57.7		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	72,500		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	1,020		25.0	"	"	"
Magnesium (7439-95-4)	2,510		150	"	"	"
Manganese (7439-96-5)	399		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	3,780		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	11,700		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

15



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Metals by CLP ILM05.3 - ICP/MS

Lab ID: 1607010-08

Station ID: SW-15

Batch: B6G2513

Date Collected: 07/21/16

Sample Type: Liquid

Sample Vol: 50ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.0	4	07/25/16	07/28/16
Arsenic (7440-38-2)	4.5		2.0	"	"	"
Cadmium (7440-43-9)	U		2.0	"	"	"
Copper (7440-50-8)	U		4.0	"	"	"
Lead (7439-92-1)	5.7		2.0	"	"	"
Selenium (7782-49-2)	U		4.0	"	"	"
Silver (7440-22-4)	U		2.0	"	"	"
Thallium (7440-28-0)	U		2.0	"	"	"

KD



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
 Phone:(281)983-2100 Fax:(281)983-2248

Metals by CLP ILM05.3 - CVAAS

Lab ID: 1607010-08

Station ID: SW-15

Batch: B6G2706

Date Collected: 07/21/16

Sample Type: Liquid

Sample Vol: 25ml

Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	08/02/16	08/03/16 sm



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Notes and Definitions

UJ	The analyte was not detected at or above the reported value. The reported value is an estimate.
J	The identification of the analyte is acceptable; the reported value is an estimate.
B	Blank Related - The concentration found in the sample was less than 10X the concentration found in the associated extraction, digestion and/or analysis blank. Presence in the sample is therefore suspect.
A	This sample was extracted at a single acid pH.
HTS	Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.
ABN	Acid Base Neutrals (Semivolatile Compounds)
AES	Atomic Emission Spectrometer
BS	Blank Spike
CVAA	Cold Vapor Atomic Absorption
DCB	Decachlorobiphenyl
ECD	Electron Capture Detector
GC	Gas Chromatograph
ICP	Inductively Coupled Plasma
ISTD	Internal Standard
LCS	Laboratory Control Sample
MS	Mass Spectrometer
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NA	Not Applicable
NPD	Nitrogen Phosphorous Detector
NR	Not Reported
PCB	Polychlorinatedbiphenyl



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

RL	Reporting Limit
RT	Retention Time
RPD	Relative Percent Difference
TCLP	Toxicity Characteristic Leaching Procedure
TCMX	Tetrachloro-meta-xylene
U	Undetected
VOA	Volatile Organic Analysis

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds *per* square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

September 1, 2016

MEMORANDUM

SUBJECT: Contract Laboratory Program Data Review
Raymond Flores
FROM: Raymond Flores, Alternate ESAT Regional Project Officer
Environmental Services Branch (6MD-HL)
TO: Bret Kendrick, Superfund Project Manager (6SF-TR)

Site: LANE PLATING WORKS

Case#: 46321

SDG#: MF1D00

The EPA Region 6 Environmental Services Branch ESAT data review team has completed a review of the submitted Contract Laboratory Program (CLP) data package for the referenced site. The samples analyzed and reviewed are detailed in the attached Regional data review report.

The data package is acceptable for regional use. Problems, if any, are listed in the report narrative. If you have any questions regarding the data review report, please contact me at (281) 983-2139.

CASE SDG EPASAMP LABID MATRIX QCCODE ANDATE ANTIME CASNUM ANALYTE CONC VALDQAL UNITS ADJCRQL SMPDATE PRPDATE LRDATE LEVEL PERSOLD SRPWTVL FINVOL METHOD STATLOC

45321 MF1D00 MF1D01 162031007 S Field_Sample 07/28/2016 13:25:03 57-12.5 Cyanide 0.56 U mg/kg 0.56 07/20/2016 07/27/2016 07/21/2016 Low 82.3 0.5433 6 AS 50.02

45321 MF1D00 MF1D09 1620314011 S Field_Sample 07/27/2016 11:22:59 57-12.5 Cyanide 0.11 LJ mg/kg 0.73 07/20/2016 07/26/2016 07/21/2016 Low 66.2 0.5219 6 AS 55.02



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

September 1, 2016

MEMORANDUM

SUBJECT: Contract Laboratory Program Data Review
FROM: *Raymond Flores*
Raymond Flores, Alternate ESAT Regional Project Officer
Environmental Services Branch (6MD-HL)
TO: Bret Kendrick, Superfund Project Manager (6SF-TR)

Site: LANE PLATING WORKS
Case#: 46321
SDG#: MF1D18

The EPA Region 6 Environmental Services Branch ESAT data review team has completed a review of the submitted Contract Laboratory Program (CLP) data package for the referenced site. The samples analyzed and reviewed are detailed in the attached Regional data review report.

The data package is acceptable for regional use. Problems, if any, are listed in the report narrative. If you have any questions regarding the data review report, please contact me at (281) 983-2139.

CASE SDG EPASAMP LABID 46321 MATRIX QCCODE ANDATE ANTIME CASNUM ANALYTE CONC VALDCAL UNITS ADJCRQL SMPDATE PRDATE LRDATE LEVEL PERBOLD SMPWTVL FINVQL METHOD STATLOC

46321 MF1D18 MF1D13 1620467001 S	Field_Sample 07/27/2016 12:23:14	57-12-5 Cyanide 0.18	LJ	mg/kg 0.73	07/21/2016 07/26/2016	07/22/2016	Low	68.9	0.5031	6	AS	SE-06
46321 MF1D18 MF1D14 1620228004 S	Field_Sample 07/27/2016 12:20:14	57-12-5 Cyanide 0.73	U	mg/kg 0.73	07/19/2016 07/26/2016	07/23/2016	Low	63.0	0.5376	6	AS	SE-07
46321 MF1D18 MF1D15 1620467002 S	Field_Sample 07/27/2016 12:23:32	57-12-5 Cyanide 0.10	LJ	mg/kg 0.68	07/21/2016 07/26/2016	07/22/2016	Low	67.1	0.5548	6	AS	SE-08
46321 MF1D18 MF1D16 1620467003 S	Field_Sample 07/27/2016 12:24:26	57-12-5 Cyanide 1.1	U	mg/kg 1.1	07/21/2016 07/26/2016	07/22/2016	Low	45.4	0.5028	6	AS	SE-09
46321 MF1D18 MF1D17 1620228005 S	Field_Sample 07/27/2016 12:20:32	57-12-5 Cyanide 0.034	LJ	mg/kg 0.59	07/19/2016 07/26/2016	07/20/2016	Low	83.9	0.5104	6	AS	SE-10
46321 MF1D18 MF1D18 1620157001 S	Field_Sample 07/27/2016 12:12:08	57-12-5 Cyanide 0.35	LJ	mg/kg 0.59	07/18/2016 07/26/2016	07/19/2016	Low	76.6	0.5533	6	AS	SE-11
46321 MF1D18 MF1D19 1620157004 S	Field_Sample 07/27/2016 12:16:02	57-12-5 Cyanide 0.067	LJ	mg/kg 0.55	07/18/2016 07/26/2016	07/19/2016	Low	77.5	0.5914	6	AS	SE-12
46321 MF1D18 MF1D20 1620157005 S	Field_Sample 07/27/2016 12:16:20	57-12-5 Cyanide 0.62		mg/kg 0.59	07/18/2016 07/26/2016	07/19/2016	Low	71.0	0.5097	6	AS	SE-13
46321 MF1D18 MF1D21 1620467004 S	Field_Sample 07/27/2016 12:24:44	57-12-5 Cyanide 0.74	U	mg/kg 0.74	07/21/2016 07/26/2016	07/22/2016	Low	65.4	0.5192	6	AS	SE-14
46321 MF1D18 MF1D22 1620467005 S	Field_Sample 07/27/2016 12:27:26	57-12-5 Cyanide 0.65	LJ	mg/kg 0.98	07/21/2016 07/26/2016	07/22/2016	Low	45.6	0.5618	6	AS	SE-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

September 2, 2016

MEMORANDUM

SUBJECT: Contract Laboratory Program Data Review
FROM: *Raymond Flores*
Raymond Flores, Alternate ESAT Regional Project Officer
Environmental Services Branch (6MD-HL)
TO: Bret Kendrick, Superfund Project Manager (6SF-TR)

Site: LANE PLATING WORKS
Case#: 46321
SDG#: MF1D37

The EPA Region 6 Environmental Services Branch ESAT data review team has completed a review of the submitted Contract Laboratory Program (CLP) data package for the referenced site. The samples analyzed and reviewed are detailed in the attached Regional data review report.

The data package is acceptable for regional use. Problems, if any, are listed in the report narrative. If you have any questions regarding the data review report, please contact me at (281) 983-2139.

CASE SDG EPASAMP LABID MATRIX QCDCODE ANDATE ANTIME CASNUM ANALYTE CONC VALDOAL UNITS ADJCRCL SMPDATE PRFDATE LDATE LEVEL PERSQLD SMPWTVL FINVOL METHOD STATLOC

46321	MF1D37	MF1D32	1620466032	W	Field_Sample	07272016	13:16:27	57-12-5	Cyanide	10.0	U	ug/L	10.0	07/18/2016	07/27/2016	07/20/2016	Low	0.00	6	AS	SW-05
46321	MF1D37	MF1D33	1620466033	W	Field_Sample	07282016	13:17:21	57-12-5	Cyanide	10.0	U	ug/L	10.0	07/19/2016	07/27/2016	07/20/2016	Low	0.00	6	AS	SW-07
46321	MF1D37	MF1D34	1620466034	W	Field_Sample	07262016	13:21:50	57-12-5	Cyanide	10.0	U	ug/L	10.0	07/21/2016	07/27/2016	07/22/2016	Low	0.00	6	AS	SW-08
46321	MF1D37	MF1D35	1620466035	W	Field_Sample	07282016	13:21:51	57-12-5	Cyanide	10.0	U	ug/L	10.0	07/18/2016	07/27/2016	07/22/2016	Low	0.00	6	AS	SW-09
46321	MF1D37	MF1D36	1620466036	W	Field_Sample	07282016	13:09:15	57-12-5	Cyanide	10.0	U	ug/L	10.0	07/18/2016	07/27/2016	07/19/2016	Low	0.00	6	AS	SW-11
46321	MF1D37	MF1D38	1620466038	W	Field_Sample	07282016	13:13:10	57-12-5	Cyanide	10.0	U	ug/L	10.0	07/18/2016	07/27/2016	07/19/2016	Low	0.00	6	AS	SW-12
46321	MF1D37	MF1D39	1620466039	W	Field_Sample	07282016	13:13:27	57-12-5	Cyanide	10.0	U	ug/L	10.0	07/18/2016	07/27/2016	07/19/2016	Low	0.00	6	AS	SW-13
46321	MF1D37	MF1D40	1620466040	W	Field_Sample	07282016	13:24:33	57-12-5	Cyanide	10.0	U	ug/L	10.0	07/18/2016	07/27/2016	07/22/2016	Low	0.00	6	AS	SW-14
46321	MF1D37	MF1D41	1620466041	W	Field_Sample	07282016	13:24:51	57-12-5	Cyanide	10.0	U	ug/L	10.0	07/18/2016	07/27/2016	07/22/2016	Low	0.00	6	AS	SW-15

INORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

- U Not detected at reported quantitation limit.
- L Reported concentration is between the MDL and the CRQL.
- J Result is estimated because of outlying quality control parameters such as matrix spike, serial dilution, etc., or the result is below the CRQL.
- R Result is unusable.
- F A possibility of a false negative exists.
- UC Reported concentration should be used as a raised quantitation limit because of blank effects and/or laboratory or field contamination.
- + High biased. Actual concentration may be lower than the concentration reported.
- Low biased. Actual concentration may be higher than the concentration reported.
- W The result should be used with caution. The result was reported on a dry weight basis although the sample did not conform to the EPA Office of Water definition of a soil sample because of its high water content (>70% moisture).

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niermann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

January 25, 2017

Attn: Lori Frauli Trulson
City of Dallas, Office of Environmental Quality
1500 Marilla Street #7AN
Dallas, TX 75201

Subject: Final Site Inspection Report - Lane Plating Works, Inc. (TCEQ ID: 4152-4744, EPA ID: TXN000605240/TXD007336571, RN100597707), 5322 Bonnie View Road, Dallas, Dallas County, Texas

Dear Ms. Trulson:

The Texas Commission on Environmental Quality (TCEQ) is enclosing one (1) CD of the final Environmental Protection Agency-funded Site Inspection Report for the Lane Plating Works, Inc. site located in Dallas, Texas. The Site Inspection Report was finalized on January 23, 2017. If you have any questions regarding this document, please call me at 512-239-2466, or email me at rebecca.storms@tceq.texas.gov.

Sincerely,

A handwritten signature in cursive script that reads "Rebecca Storms".

Rebecca Storms, P.G., Project Manager
Superfund Section
Remediation Division

RS/dl

Enclosure: CD (1): Site Inspection Report

cc: Brett Johnson, Parks and Recreation Department, Park Maintenance
Services Division, 542 East Jefferson Boulevard, Dallas, TX 75203