UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2

DATE: JUL 0 2 2012

SUBJECT: Preferred Plating Site Final Report

FROM: Robert Finke, Chemist
DESA/HWSB

TO: Mark Dannenberg, Remedial Project Manager
ERRD-NYRB-ENYRS

Attached please find the final report for the April 10-13, 2012 groundwater sampling at the Preferred Plating Superfund site in East Farmingdale, Suffolk County, New York. In an effort to save paper, the entire report can be found on the attached CD-ROM, however, all original documents can be made accessible if necessary. If you have any questions, please contact me at (732) 321-6802.

Attachment

CONCURRENCES

Filename: F:\user\Superfund Sites\Preferred Plating\Final Report 2012\FinalReportMemo.doc

Name: Robert Finke		Init: RCF	Date: 7/2/2012					
Symbol	HWSB/SST	HWSB/SST						
Surname	Finke RCF	Jackson JJ						
Date	7/2/12	7/5/2012						

REGION II FORM 1320-1 (9/85)

SUPERFUND SUPPORT TEAM

SAMPLING REPORT

for the

PREFERRED PLATING SITE

in EAST FARMINGDALE, SUFFOLK COUNTY, NEW YORK

April 10 - 13, 2012

Participating Personnel: United States Environmental Protection Agency
Robert C. Finke, Sampling Project Manager
Amelia Jackson, Superfund Support Team Leader
Pat Sheridan, Project Quality Assurance Officer

Report Prepared by: R.C. Finke
Robert C. Finke, Chemist

Date Prepared: July 2, 2012

Approved for the Director by: Amelia Jackson 7/5/12
Amelia Jackson, Team Leader, HWSB

TABLE OF CONTENTS

TABLES

APPENDICES

APPENDIX A:	Site Map
APPENDIX B:	Well Data Sheets
APPENDIX C:	Preferred Plating Site Uniform Federal Policy Quality Assurance Project Plan: **G://DESADIV/HWSB-SST~Superfund Sites/Preferred Plating/Preferred Plating QAPP ALL Worksheets.doc**
APPENDIX D:	U.S. EPA Data Package
APPENDIX E:	Preferred Plating Site. Site Trip Report – April 2012

REFERENCES

REFERENCE 1:	New York State Department of Health. Part 5, subpart 5-1 *Public Water Systems: Table 3: Organic Chemicals Maximum Contaminant Level Determination*, revised November 2011. http://www.health.ny.gov/regulations/nycrr/title_10/part_5/subpart_5-1_tables.htm
REFERENCE 2:	U.S. Code of Federal Regulations (CFR). Title 40: Protection of Environment. Part 141: National Primary Drinking Water Regulations. Subpart G: National Revised Primary Drinking Water Regulations: Maximum Contaminant Levels. *Section 61: Maximum Contaminant Levels for Organic Contaminants.* May 2009. http://www.epa.gov/ogwdw/consumer/pdf/mcl.pdf

1.0 SAMPLING EVENT SUMMARY

The EPA Division of Environmental Science and Assessment (DESA), Hazardous Waste Support Branch (HWSB), Superfund Support Team (SST) was requested by the New York Remediation Branch (NYRB) to conduct groundwater sampling at the subject site as part of the most recent five year review of the site to monitor the levels of volatile organic compounds (VOCs) and metals in the groundwater. This current proposed round will be the tenth time the groundwater wells at the subject site will have been sampled by the EPA since 2000 to determine if VOCs and Metals are found to exceed the State or Federal groundwater standards and to verify that groundwater contamination at the site does not pose an unacceptable risk to human health and the environment. The sampling procedures were in accordance with the guidelines set forth in the Quality Assurance Project Plan (QAPP) which is located in Appendix B.

The sampling plan consisted of collecting samples from six (6) monitoring wells and five (5) piezometers, one (1) duplicate, one (1) trip blank, one (1) rinsate blank, and one (1) Matrix Spike/matrix Spike Duplicate (MS/MSD) sample. On April 10, 2012, a sampling team consisting of two (2) members from the U.S. EPA Division of Environmental Science and Assessment (DESA) Hazardous Waste Support Branch (HWSB) Superfund Support Team (SST) arrived at the Preferred Plating Corporation site located at 32 Allen Boulevard, East Farmingdale, NY. The EPA personnel collected their rinsate blank, RB-01, at 1330 on April 10, 2012 by running analyte-free deionized water through a groundwater pump and collecting the sample. The trip blank, TB-01, was collected at 1300 on April 10, 2012 by pouring analyte-free deionized water directly into three (3) glass vials for the analysis of Target Compound List (TCL) – Volatile Organic Compounds (VOC) analysis. A total of one (1) groundwater well sample was collected on April 10, 2012. On April 11, 2012, seven (7) groundwater well samples were collected, which included one (1) duplicate and one MS/MSD. On April 12, 2012, four (4) groundwater well samples were collected. On April 13, 2012, the samples were had delivered to the U.S. EPA Region 2 DESA Laboratory in Edison, NJ. The trip report, Appendix D shows the EPA's sample locations, sample analyses, and sample times for April 10-12, 2012.

A description of the sampling procedure can be found in the Quality Assurance Project Plan in Appendix B. All samples were collected for TCL-VOC and TAL Metals analyses in accordance with U.S.EPA Laboratory Branch SOP # DW-1, *Analysis of Volatile Organic Compounds in Drinking Water by Purge and Trap GC/MS,* Revision 2.1, February 2009, U.S. EPA Mobile Analytical Laboratory SOP # MAL-3: *Determination of Trace Metals in Aqueous, Soil, Sediment and Sludge Samples by Inductively Coupled Plasma Mass Spectrometry* and MAL 3-P: *Preparation of Aqueous, Soil, Sediment, and Sludge Samples by Block Digestion* The laboratory results can be found in Table 2 and Appendix C.

2.0 LABORATORY RESULTS

Quality Control (QC) sample data can be found in Table 1. The trip blank was taken for quality control (QC) to determine if any outside Volatile Organic Compound (VOC) contamination was introduced to the samples. Rinsate blanks, field duplicates, and matrix spike/matrix spike duplicates (MS/MSD) samples were collected for laboratory quality control. Duplicate samples that were acquired from the field were compared to their respective pairs via Relative Percent Difference (RPD). The RPD is only calculated for analytes that are detected in both the sample and the associated duplicate. The RPD is used to assess the precision of sampling in the field as well as the analysis performed by the laboratory. Although the overall decision lies with the data user, it is the opinion of this office that an RPD of less than or equal to 20% indicates acceptable comparability.

Table 2 contains the numerical results detected in each sample as well as the state and federal Applicable or Relevant and Appropriate Requirements (ARARs). All exceedances are highlighted in yellow. The raw data can be found in Appendix C. The validated data was sent to the RPM within four weeks of the sampling event.

3.0 CONCLUSION:

Although, some of the elements listed in the field duplicate comparison table below possessed RPD's great than 20%, it is the position of this office that, based on the agreeability of the relevant quality controls implemented during sampling and analysis, that the data be deemed usable for making environmental decisions unless otherwise qualified. **Exceedances** of State or Federal drinking water criterion for metals were found in 8 of the 13 samples collected. Toluene in sample PP-ERT-4 exceeded the New York State limit for toluene in drinking water. No other samples exceeded any State of Federal guidance for VOCs.

TABLE 1

PREFERRED PLATING CORP. SITE GROUNDWATER SAMPLING
QC FIELD DUPLICATE SAMPLE DATA (*Metals*) (ug/L)

ELEMENT	PP-MW-6DP RESULT	PP-MW-66DP RESULT
ALUMINUM	81.70	327.00
ANTIMONY	5.15	9.09
ARSENIC	4.48	3.68
BARIUM	56.60	220.00
BERYILLIUM	3.28	3.96
CADMIUM	1.87	5.48
CALCIUM	19800.00	20400.00
CHROMIUM	21.50	35.30
COBALT	5.32	28.70
COPPER	4.67	24.90
IRON	93.00	98.00

TABLE 1 (Continued)
PREFERRED PLATING CORP. SITE GROUNDWATER SAMPLING QC FIELD DUPLICATE SAMPLE DATA *(Metals)* (ug/L)

ELEMENT	PP-MW-6DP RESULT	PP-MW-66DP RESULT
LEAD	6.60	1.03
MAGNESIUM	3210.00	3490.00
MANGANESE	7.03	29.50
MERCURY	NOT DETECTED	NOT DETECTED
NICKEL	22.50	48.30
POTASSIUM	1710.00	1760.00
SELENIUM	6.26	0.94
SILVER	0.81	0.37
SODIUM	25200.00	25900.00
THALLIUM	2.53	2.51
VANADIUM	4.61	26.60
ZINC	10.50	65.70

TABLE 1 (Continued)
PREFERRED PLATING CORP. SITE GROUNDWATER SAMPLING QC FIELD DUPLICATE SAMPLE DATA *(VOCs)* (ug/L)

COMPOUND	PP-MW-6DP RESULT	PP-MW-66DP RESULT
No Detects	-	-

TABLE 2

PREFERRED PLATING CORP. SITE GROUNDWATER SAMPLE RESULTS SUMMARY (Metals)

Sample ID	CAS Number	Analyte Name	Result	QC	Units	NY State[1]	Federal[2]
PP-ERT-3	7429-90-5	Aluminum	~~280.00~~	R	µg/L	Not Listed	Not Listed
	7440-36-0	Antimony	~~1.78~~	R	µg/L	6.0	6.0
	7440-38-2	Arsenic	0.74	B	µg/L	10.0	10.0
	7440-39-3	Barium	~~71.10~~	R	µg/L	2000.0	2000.0
	7440-41-7	Beryllium	0.87	BJ	µg/L	4.0	4.0
	7440-43-9	Cadmium	12.80	J	µg/L	5.0	5.0
	7440-70-2	Calcium	31300.00	J	µg/L	Not Listed	Not Listed
	7440-47-3	Chromium	56.10	J	µg/L	100.00	100.0
	7440-48-4	Cobalt	5.35	B	µg/L	Not Listed	Not Listed
	7440-50-8	Copper	5.45	BJ	µg/L	Not Listed	1300.0
	7439-89-6	Iron	~~189.00~~	R	µg/L	300.0	Not Listed
	7439-92-1	Lead	0.32	BJ	µg/L	Not Listed	15.0
	7439-95-4	Magnesium	3280.00	B	µg/L	Not Listed	Not Listed
	7439-96-5	Manganese	7.70	BJ	µg/L	300.0	Not Listed
	7439-97-6	Mercury	0.02	U	µg/L	2.0	2.0
	7440-02-0	Nickel	10.30	BJ	µg/L	Not Listed	Not Listed
	7440-09-7	Potassium	1990.00	BJ	µg/L	Not Listed	Not Listed
	7782-49-2	Selenium	0.64	B	µg/L	50.0	50.0
	7440-22-4	Silver	0.17	BJ	µg/L	100.0	Not Listed
	7440-23-5	Sodium	16400.00	J	µg/L	No Limit	Not Listed
	7440-28-0	Thallium	2.65	B	µg/L	2.0	2.0
	7440-62-2	Vanadium	2.89	BJ	µg/L	Not Listed	Not Listed
	7440-66-6	Zinc	~~15.20~~	R	µg/L	5000.0	Not Listed
PP-ERT-4	7429-90-5	Aluminum	~~28.90~~	R	µg/L	Not Listed	Not Listed
	7440-36-0	Antimony	~~1.17~~	R	µg/L	6.0	6.0
	7440-38-2	Arsenic	0.63	U	µg/L	10.0	10.0
	7440-39-3	Barium	~~22.00~~	R	µg/L	2000.0	2000.0
	7440-41-7	Beryllium	0.07	UJ	µg/L	4.0	4.0
	7440-43-9	Cadmium	10.70	J	µg/L	5.0	5.0
	7440-70-2	Calcium	26100.00	J	µg/L	Not Listed	Not Listed
	7440-47-3	Chromium	23.30	J	µg/L	100.00	100.0
	7440-48-4	Cobalt	1.37	B	µg/L	Not Listed	Not Listed
	7440-50-8	Copper	4.56	BJ	µg/L	Not Listed	1300.0

1- New York State Department of Health. Part 5, subpart 5-1 *Public Water Systems: Table 1: Inorganic Chemicals and Physical Characteristics Maximum Contaminant Level Determination*, revised November 2011.

2-US. Code of Federal Regulations (CFR). Title 40: Protection of Environment. Part 141: National Primary Drinking Water Regulations. Maximum Contaminant Levels. Section 61: *Maximum Contaminant Levels for Organic Contaminants.*

U = The Analyte was not Detected above the Instrument Detection Limit.

B = The reported concentration is between the Instrument Detection Limit (IDL) and the Contract Required Detection Limit (CRDL).

J = The Identification of the Element is Acceptable; the Reported Value is an Estimate.

R = The Result is Rejected due to QC Criteria. Result not to be used for Decision Making Purposes.

TABLE 2 (Continued)

PREFERRED PLATING CORP. SITE GROUNDWATER SAMPLE RESULTS SUMMARY (Metals)

Sample ID	CAS Number	Analyte Name	Result	QC	Units	NY State[1]	Federal[2]
PP-ERT-4 (Continued)	7439-89-6	Iron	~~61.00~~	R	µg/L	300.0	Not Listed
	7439-92-1	Lead	0.12	BJ	µg/L	Not Listed	15.0
	7439-95-4	Magnesium	2510.00	B	µg/L	Not Listed	Not Listed
	7439-96-5	Manganese	1.11	BJ	µg/L	300.0	Not Listed
	7439-97-6	Mercury	0.02	U	µg/L	2.0	2.0
	7440-02-0	Nickel	1.38	BJ	µg/L	Not Listed	Not Listed
	7440-09-7	Potassium	1380.00	BJ	µg/L	Not Listed	Not Listed
	7782-49-2	Selenium	0.36	U	µg/L	50.0	50.0
	7440-22-4	Silver	0.06	BJ	µg/L	100.0	Not Listed
	7440-23-5	Sodium	12700.00		µg/L	No Limit	Not Listed
	7440-28-0	Thallium	0.21	B	µg/L	2.0	2.0
	7440-62-2	Vanadium	0.97	U	µg/L	Not Listed	Not Listed
	7440-66-6	Zinc	~~12.70~~	R	µg/L	5000.0	Not Listed
PP-ERT-5	7429-90-5	Aluminum	~~32.10~~	R	µg/L	Not Listed	Not Listed
	7440-36-0	Antimony	~~0.94~~	R	µg/L	6.0	6.0
	7440-38-2	Arsenic	0.63	U	µg/L	10.0	10.0
	7440-39-3	Barium	~~16.60~~	R	µg/L	2000.0	2000.0
	7440-41-7	Beryllium	0.07	UJ	µg/L	4.0	4.0
	7440-43-9	Cadmium	30.10	J	µg/L	5.0	5.0
	7440-70-2	Calcium	11800.00	J	µg/L	Not Listed	Not Listed
	7440-47-3	Chromium	40.20	J	µg/L	100.00	100.0
	7440-48-4	Cobalt	0.02	U	µg/L	Not Listed	Not Listed
	7440-50-8	Copper	2.61	BJ	µg/L	Not Listed	1300.0
	7439-89-6	Iron	~~41.00~~	R	µg/L	300.0	Not Listed
	7439-92-1	Lead	0.40	BJ	µg/L	Not Listed	15.0
	7439-95-4	Magnesium	1800.00	B	µg/L	Not Listed	Not Listed
	7439-96-5	Manganese	1.79	BJ	µg/L	300.0	Not Listed
	7439-97-6	Mercury	0.02	U	µg/L	2.0	2.0
	7440-02-0	Nickel	2.03	BJ	µg/L	Not Listed	Not Listed
	7440-09-7	Potassium	1100.00	BJ	µg/L	Not Listed	Not Listed
	7782-49-2	Selenium	0.36	U	µg/L	50.0	50.0
	7440-22-4	Silver	0.05	BJ	µg/L	100.0	Not Listed
	7440-23-5	Sodium	9680.00		µg/L	No Limit	Not Listed

1- New York State Department of Health. Part 5, subpart 5-1 *Public Water Systems: Table 1: Inorganic Chemicals and Physical Characteristics Maximum Contaminant Level Determination*, revised November 2011.

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TABLE 2 (Continued)

PREFERRED PLATING CORP. SITE GROUNDWATER SAMPLE RESULTS SUMMARY (Metals)

Sample ID	CAS Number	Analyte Name	Result	QC	Units	NY State[1]	Federal[2]
PP-ERT-5 (Continued)	7440-28-0	Thallium	0.30	B	µg/L	2.0	2.0
	7440-62-2	Vanadium	0.97	U	µg/L	Not Listed	Not Listed
	7440-66-6	Zinc	~~28.60~~	R	µg/L	5000.0	Not Listed
PP-ERT-6	7429-90-5	Aluminum	~~33.30~~	R	µg/L	Not Listed	Not Listed
	7440-36-0	Antimony	~~1.08~~	R	µg/L	6.0	6.0
	7440-38-2	Arsenic	0.63	U	µg/L	10.0	10.0
	7440-39-3	Barium	~~17.00~~	R	µg/L	2000.0	2000.0
	7440-41-7	Beryllium	0.07	UJ	µg/L	4.0	4.0
	7440-43-9	Cadmium	9.59	J	µg/L	5.0	5.0
	7440-70-2	Calcium	12900.00	J	µg/L	Not Listed	Not Listed
	7440-47-3	Chromium	6.59	J	µg/L	100.00	100.0
	7440-48-4	Cobalt	0.02	U	µg/L	Not Listed	Not Listed
	7440-50-8	Copper	1.78	BJ	µg/L	Not Listed	1300.0
	7439-89-6	Iron	~~46.00~~	R	µg/L	300.0	Not Listed
	7439-92-1	Lead	0.60	BJ	µg/L	Not Listed	15.0
	7439-95-4	Magnesium	3110.00	B	µg/L	Not Listed	Not Listed
	7439-96-5	Manganese	1.43	BJ	µg/L	300.0	Not Listed
	7439-97-6	Mercury	0.02	U	µg/L	2.0	2.0
	7440-02-0	Nickel	0.94	BJ	µg/L	Not Listed	Not Listed
	7440-09-7	Potassium	999.00	B	µg/L	Not Listed	Not Listed
	7782-49-2	Selenium	0.36	U	µg/L	50.0	50.0
	7440-22-4	Silver	0.02	UJ	µg/L	100.0	Not Listed
	7440-23-5	Sodium	6010.00	J	µg/L	No Limit	Not Listed
	7440-28-0	Thallium	0.20	B	µg/L	2.0	2.0
	7440-62-2	Vanadium	0.97	U	µg/L	Not Listed	Not Listed
	7440-66-6	Zinc	~~8.33~~	R	µg/L	5000.0	Not Listed

1- New York State Department of Health. Part 5, subpart 5-1 *Public Water Systems: Table 1: Inorganic Chemicals and Physical Characteristics Maximum Contaminant Level Determination*, revised November 2011.

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TABLE 2 (Continued)

PREFERRED PLATING CORP. SITE GROUNDWATER SAMPLE RESULTS SUMMARY (Metals)

Sample ID	CAS Number	Analyte Name	Result	QC	Units	NY State[1]	Federal[2]
PP-ERT-7	7429-90-5	Aluminum	~~16.00~~	R	µg/L	Not Listed	Not Listed
	7440-36-0	Antimony	~~1.01~~	R	µg/L	6.0	6.0
	7440-38-2	Arsenic	0.63	U	µg/L	10.0	10.0
	7440-39-3	Barium	~~29.20~~	R	µg/L	2000.0	2000.0
	7440-41-7	Beryllium	0.07	UJ	µg/L	4.0	4.0
	7440-43-9	Cadmium	1.42	BJ	µg/L	5.0	5.0
	7440-70-2	Calcium	12900.00	J	µg/L	Not Listed	Not Listed
	7440-47-3	Chromium	0.27	BJ	µg/L	100.00	100.0
	7440-48-4	Cobalt	0.02	U	µg/L	Not Listed	Not Listed
	7440-50-8	Copper	0.22	UJ	µg/L	Not Listed	1300.0
	7439-89-6	Iron	~~33.00~~	R	µg/L	300.0	Not Listed
	7439-92-1	Lead	0.08	UJ	µg/L	Not Listed	15.0
	7439-95-4	Magnesium	2360.00	B	µg/L	Not Listed	Not Listed
	7439-96-5	Manganese	1.11	BJ	µg/L	300.0	Not Listed
	7439-97-6	Mercury	0.02	U	µg/L	2.0	2.0
	7440-02-0	Nickel	0.65	BJ	µg/L	Not Listed	Not Listed
	7440-09-7	Potassium	1370.00	BJ	µg/L	Not Listed	Not Listed
	7782-49-2	Selenium	0.47	B	µg/L	50.0	50.0
	7440-22-4	Silver	0.02	UJ	µg/L	100.0	Not Listed
	7440-23-5	Sodium	20600.00	J	µg/L	No Limit	Not Listed
	7440-28-0	Thallium	0.24	B	µg/L	2.0	2.0
	7440-62-2	Vanadium	0.97	U	µg/L	Not Listed	Not Listed
	7440-66-6	Zinc	~~0.34~~	R	µg/L	5000.0	Not Listed
PP-MW-1SP	7429-90-5	Aluminum	1310.00	J	µg/L	Not Listed	Not Listed
	7440-36-0	Antimony	~~1.79~~	R	µg/L	6.0	6.0
	7440-38-2	Arsenic	3.43	B	µg/L	10.0	10.0
	7440-39-3	Barium	~~57.40~~	R	µg/L	2000.0	2000.0
	7440-41-7	Beryllium	0.07	UJ	µg/L	4.0	4.0
	7440-43-9	Cadmium	0.93	BJ	µg/L	5.0	5.0
	7440-70-2	Calcium	26600.00	J	µg/L	Not Listed	Not Listed
	7440-47-3	Chromium	2.72	BJ	µg/L	100.00	100.0
	7440-48-4	Cobalt	0.57	B	µg/L	Not Listed	Not Listed

1- New York State Department of Health. Part 5, subpart 5-1 *Public Water Systems: Table 1: Inorganic Chemicals and Physical Characteristics Maximum Contaminant Level Determination*, revised November 2011.

2-US. Code of Federal Regulations (CFR). Title 40: Protection of Environment. Part 141: National Primary Drinking Water Regulations. Maximum Contaminant Levels. Section 61: *Maximum Contaminant Levels for Organic Contaminants.*

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TABLE 2 (Continued)

PREFERRED PLATING CORP. SITE GROUNDWATER SAMPLE RESULTS SUMMARY (Metals)

Sample ID	CAS Number	Analyte Name	Result	QC	Units	NY State[1]	Federal[2]
PP-MW-1SP (Continued)	7440-50-8	Copper	20.70	BJ	µg/L	Not Listed	1300.0
	7439-89-6	Iron	1830.00		µg/L	300.0	Not Listed
	7439-92-1	Lead	10.70	J	µg/L	Not Listed	15.0
	7439-95-4	Magnesium	3340.00	B	µg/L	Not Listed	Not Listed
	7439-96-5	Manganese	33.70	BJ	µg/L	300.0	Not Listed
	7439-97-6	Mercury	0.02	U	µg/L	2.0	2.0
	7440-02-0	Nickel	9.09	BJ	µg/L	Not Listed	Not Listed
	7440-09-7	Potassium	2560.00	BJ	µg/L	Not Listed	Not Listed
	7782-49-2	Selenium	0.72	B	µg/L	50.0	50.0
	7440-22-4	Silver	0.02	UJ	µg/L	100.0	Not Listed
	7440-23-5	Sodium	19600.00	J	µg/L	No Limit	Not Listed
	7440-28-0	Thallium	0.10	B	µg/L	2.0	2.0
	7440-62-2	Vanadium	0.97	U	µg/L	Not Listed	Not Listed
	7440-66-6	Zinc	~~135.00~~	R	µg/L	5000.0	Not Listed
PP-MW-5SP	7429-90-5	Aluminum	2715.00	J	µg/L	Not Listed	Not Listed
	7440-36-0	Antimony	~~0.93~~	R	µg/L	6.0	6.0
	7440-38-2	Arsenic	0.64	U	µg/L	10.0	10.0
	7440-39-3	Barium	~~48.00~~	R	µg/L	2000.0	2000.0
	7440-41-7	Beryllium	0.14	BJ	µg/L	4.0	4.0
	7440-43-9	Cadmium	22.70	J	µg/L	5.0	5.0
	7440-70-2	Calcium	14060.00	J	µg/L	Not Listed	Not Listed
	7440-47-3	Chromium	30.30	J	µg/L	100.00	100.0
	7440-48-4	Cobalt	1.03	B	µg/L	Not Listed	Not Listed
	7440-50-8	Copper	6.62	BJ	µg/L	Not Listed	1300.0
	7439-89-6	Iron	2610.00	J	µg/L	300.0	Not Listed
	7439-92-1	Lead	1.46	BJ	µg/L	Not Listed	15.0
	7439-95-4	Magnesium	3404.00	B	µg/L	Not Listed	Not Listed
	7439-96-5	Manganese	35.70	J	µg/L	300.0	Not Listed
	7439-97-6	Mercury	0.03	B	µg/L	2.0	2.0
	7440-02-0	Nickel	14.70	BJ	µg/L	Not Listed	Not Listed
	7440-09-7	Potassium	903.00	BJ	µg/L	Not Listed	Not Listed

1- New York State Department of Health. Part 5, subpart 5-1 *Public Water Systems: Table 1: Inorganic Chemicals and Physical Characteristics Maximum Contaminant Level Determination*, revised November 2011.

2-US. Code of Federal Regulations (CFR). Title 40: Protection of Environment. Part 141: National Primary Drinking Water Regulations. Maximum Contaminant Levels. Section 61: *Maximum Contaminant Levels for Organic Contaminants.*

U = The Analyte was not Detected above the Instrument Detection Limit.

B = The reported concentration is between the Instrument Detection Limit (IDL) and the Contract Required Detection Limit (CRDL).

J = The Identification of the Element is Acceptable; the Reported Value is an Estimate.

R = The Result is Rejected due to QC Criteria. Result not to be used for Decision Making Purposes.

TABLE 2 (Continued)							
PREFERRED PLATING CORP. SITE GROUNDWATER SAMPLE RESULTS SUMMARY (Metals)							
Sample ID	**CAS Number**	**Analyte Name**	**Result**	**QC**	**Units**	**NY State[1]**	**Federal[2]**
PP-MW-5SP (Continued)	7782-49-2	Selenium	0.42	B	µg/L	50.0	50.0
	7440-22-4	Silver	0.02	U	µg/L	100.0	Not Listed
	7440-23-5	Sodium	5900.00	J	µg/L	No Limit	Not Listed
	7440-28-0	Thallium	0.33	B	µg/L	2.0	2.0
	7440-62-2	Vanadium	1.08	BJ	µg/L	Not Listed	Not Listed
	7440-66-6	Zinc	~~112.00~~	R	µg/L	5000.0	Not Listed
PP-MW-66DP	7429-90-5	Aluminum	~~398.00~~	R	µg/L	Not Listed	Not Listed
	7440-36-0	Antimony	~~9.09~~	R	µg/L	6.0	6.0
	7440-38-2	Arsenic	3.68	B	µg/L	10.0	10.0
	7440-39-3	Barium	~~220.00~~	R	µg/L	2000.0	2000.0
	7440-41-7	Beryllium	0.07	UJ	µg/L	4.0	4.0
	7440-43-9	Cadmium	5.48	J	µg/L	5.0	5.0
	7440-70-2	Calcium	20400.00	J	µg/L	Not Listed	Not Listed
	7440-47-3	Chromium	35.30	J	µg/L	100.00	100.0
	7440-48-4	Cobalt	28.70	B	µg/L	Not Listed	Not Listed
	7440-50-8	Copper	25.40	J	µg/L	Not Listed	1300.0
	7439-89-6	Iron	~~98.00~~	R	µg/L	300.0	Not Listed
	7439-92-1	Lead	1.03	BJ	µg/L	Not Listed	15.0
	7439-95-4	Magnesium	3330.00	B	µg/L	Not Listed	Not Listed
	7439-96-5	Manganese	29.50	J	µg/L	300.0	Not Listed
	7439-97-6	Mercury	0.02	U	µg/L	2.0	2.0
	7440-02-0	Nickel	48.30	J	µg/L	Not Listed	Not Listed
	7440-09-7	Potassium	1760.00	BJ	µg/L	Not Listed	Not Listed
	7782-49-2	Selenium	0.94	B	µg/L	50.0	50.0
	7440-22-4	Silver	0.37	BJ	µg/L	100.0	Not Listed
	7440-23-5	Sodium	25900.00		µg/L	No Limit	Not Listed
	7440-28-0	Thallium	2.51	B	µg/L	2.0	2.0
	7440-62-2	Vanadium	22.20	J	µg/L	Not Listed	Not Listed
	7440-66-6	Zinc	~~65.70~~	R	µg/L	5000.0	Not Listed

1- New York State Department of Health. Part 5, subpart 5-1 *Public Water Systems: Table 1: Inorganic Chemicals and Physical Characteristics Maximum Contaminant Level Determination*, revised November 2011.

2-US. Code of Federal Regulations (CFR). Title 40: Protection of Environment. Part 141: National Primary Drinking Water Regulations. Maximum Contaminant Levels. Section 61: *Maximum Contaminant Levels for Organic Contaminants.*

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B = The reported concentration is between the Instrument Detection Limit (IDL) and the Contract Required Detection Limit (CRDL).
J = The Identification of the Element is Acceptable; the Reported Value is an Estimate.
R = The Result is Rejected due to QC Criteria. Result not to be used for Decision Making Purposes.

TABLE 2 (Continued)

PREFERRED PLATING CORP. SITE GROUNDWATER SAMPLE RESULTS SUMMARY (Metals)

Sample ID	CAS Number	Analyte Name	Result	QC	Units	NY State[1]	Federal[2]
PP-MW-6DP	7782-49-2	Aluminum	~~81.70~~	R	µg/L	Not Listed	Not Listed
	7440-22-4	Antimony	~~4.14~~	R	µg/L	6.0	6.0
	7440-23-5	Arsenic	4.48	B	µg/L	10.0	10.0
	7440-28-0	Barium	~~56.60~~	R	µg/L	2000.0	2000.0
	7440-62-2	Beryllium	3.28	BJ	µg/L	4.0	4.0
	7440-66-6	Cadmium	1.87	BJ	µg/L	5.0	5.0
	7429-90-5	Calcium	19800.00	J	µg/L	Not Listed	Not Listed
	7440-36-0	Chromium	21.50	J	µg/L	100.00	100.0
	7440-38-2	Cobalt	5.32	B	µg/L	Not Listed	Not Listed
	7440-39-3	Copper	4.81	B	µg/L	Not Listed	1300.0
	7440-41-7	Iron	~~93.00~~	R	µg/L	300.0	Not Listed
	7440-43-9	Lead	6.60	J	µg/L	Not Listed	15.0
	7440-70-2	Magnesium	3240.00	BJ	µg/L	Not Listed	Not Listed
	7440-47-3	Manganese	7.03	BJ	µg/L	300.0	Not Listed
	7440-48-4	Mercury	0.02	U	µg/L	2.0	2.0
	7440-50-8	Nickel	22.50	J	µg/L	Not Listed	Not Listed
	7439-89-6	Potassium	1710.00	BJ	µg/L	Not Listed	Not Listed
	7439-92-1	Selenium	6.26		µg/L	50.0	50.0
	7439-95-4	Silver	0.81	BJ	µg/L	100.0	Not Listed
	7439-96-5	Sodium	25200.00	J	µg/L	No Limit	Not Listed
	7439-97-6	Thallium	2.53	B	µg/L	2.0	2.0
	7440-02-0	Vanadium	3.84	B	µg/L	Not Listed	Not Listed
	7440-09-7	Zinc	~~10.50~~	R	µg/L	5000.0	Not Listed
PP-MW-6SP	7782-49-2	Aluminum	~~188.00~~	R	µg/L	Not Listed	Not Listed
	7440-22-4	Antimony	~~1.92~~	R	µg/L	6.0	6.0
	7440-23-5	Arsenic	0.64	U	µg/L	10.0	10.0
	7440-28-0	Barium	~~30.60~~	R	µg/L	2000.0	2000.0
	7440-62-2	Beryllium	0.07	UJ	µg/L	4.0	4.0
	7440-66-6	Cadmium	83.30	J	µg/L	5.0	5.0
	7429-90-5	Calcium	31600.00	J	µg/L	Not Listed	Not Listed
	7440-36-0	Chromium	108.00	J	µg/L	100.00	100.0
	7440-38-2	Cobalt	0.87	B	µg/L	Not Listed	Not Listed

1- New York State Department of Health. Part 5, subpart 5-1 *Public Water Systems: Table 1: Inorganic Chemicals and Physical Characteristics Maximum Contaminant Level Determination*, revised November 2011.

2-US. Code of Federal Regulations (CFR). Title 40: Protection of Environment. Part 141: National Primary Drinking Water Regulations. Maximum Contaminant Levels. Section 61: *Maximum Contaminant Levels for Organic Contaminants.*

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TABLE 2 (Continued)							
PREFERRED PLATING CORP. SITE GROUNDWATER SAMPLE RESULTS SUMMARY (Metals)							
Sample ID	CAS Number	Analyte Name	Result	QC	Units	NY State[1]	Federal[2]
PP-MW-6SP (Continued)	7440-39-3	Copper	10.40	B	µg/L	Not Listed	1300.0
	7440-41-7	Iron	~~454.00~~	R	µg/L	300.0	Not Listed
	7440-43-9	Lead	0.60	BJ	µg/L	Not Listed	15.0
	7440-70-2	Magnesium	3720.00	BJ	µg/L	Not Listed	Not Listed
	7440-47-3	Manganese	271.00	J	µg/L	300.0	Not Listed
	7440-48-4	Mercury	0.09	B	µg/L	2.0	2.0
	7440-50-8	Nickel	9.78	B J	µg/L	Not Listed	Not Listed
	7439-89-6	Potassium	2590.00	BJ	µg/L	Not Listed	Not Listed
	7439-92-1	Selenium	0.36	U	µg/L	50.0	50.0
	7439-95-4	Silver	0.02	UJ	µg/L	100.0	Not Listed
	7439-96-5	Sodium	16400.00	J	µg/L	No Limit	Not Listed
	7439-97-6	Thallium	0.13	B	µg/L	2.0	2.0
	7440-02-0	Vanadium	0.97	U	µg/L	Not Listed	Not Listed
	7440-09-7	Zinc	~~39.40~~	R	µg/L	5000.0	Not Listed
PP-MW-6SS	7782-49-2	Aluminum	~~43.90~~	R	µg/L	Not Listed	Not Listed
	7440-22-4	Antimony	~~1.17~~	R	µg/L	6.0	6.0
	7440-23-5	Arsenic	0.64	U	µg/L	10.0	10.0
	7440-28-0	Barium	~~10.90~~	R	µg/L	2000.0	2000.0
	7440-62-2	Beryllium	0.07	UJ	µg/L	4.0	4.0
	7440-66-6	Cadmium	10.40	J	µg/L	5.0	5.0
	7429-90-5	Calcium	34050.00	J	µg/L	Not Listed	Not Listed
	7440-36-0	Chromium	23.90	J	µg/L	100.00	100.0
	7440-38-2	Cobalt	0.08	B	µg/L	Not Listed	Not Listed
	7440-39-3	Copper	1.93	B	µg/L	Not Listed	1300.0
	7440-41-7	Iron	~~163.00~~	R	µg/L	300.0	Not Listed
	7440-43-9	Lead	0.10	BJ	µg/L	Not Listed	15.0
	7440-70-2	Magnesium	3850.00	BJ	µg/L	Not Listed	Not Listed
	7440-47-3	Manganese	20.90		µg/L	300.0	Not Listed
	7440-48-4	Mercury	0.02	U	µg/L	2.0	2.0
	7440-50-8	Nickel	3.69	BJ	µg/L	Not Listed	Not Listed
	7439-89-6	Potassium	2030.00	BJ	µg/L	Not Listed	Not Listed
	7439-92-1	Selenium	0.36	U	µg/L	50.0	50.0

1- New York State Department of Health. Part 5, subpart 5-1 *Public Water Systems: Table 1: Inorganic Chemicals and Physical Characteristics Maximum Contaminant Level Determination*, revised November 2011.

2-US. Code of Federal Regulations (CFR). Title 40: Protection of Environment. Part 141: National Primary Drinking Water Regulations. Maximum Contaminant Levels. Section 61: *Maximum Contaminant Levels for Organic Contaminants.*

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J = The Identification of the Element is Acceptable: the Reported Value is an Estimate.
R = Rejected Value. Not to be used for Decision Making Purposes.

TABLE 2 (Continued)

PREFERRED PLATING CORP. SITE GROUNDWATER SAMPLE RESULTS SUMMARY (Metals)

Sample ID	CAS Number	Analyte Name	Result	QC	Units	NY State[1]	Federal[2]
PP-MW-6SS (Continued)	7440-22-4	Silver	0.02	UJ	µg/L	100.0	Not Listed
	7440-23-5	Sodium	13900.00	J	µg/L	No Limit	Not Listed
	7440-28-0	Thallium	0.06	U	µg/L	2.0	2.0
	7440-62-2	Vanadium	0.97	U	µg/L	Not Listed	Not Listed
	7440-66-6	Zinc	~~7.13~~	R	µg/L	5000.0	Not Listed
PP-MW-8DP	7429-90-5	Aluminum	~~979.00~~	R	µg/L	Not Listed	Not Listed
	7440-36-0	Antimony	~~1.95~~	R	µg/L	6.0	6.0
	7440-38-2	Arsenic	2.81	B	µg/L	10.0	10.0
	7440-39-3	Barium	116.00	R	µg/L	2000.0	2000.0
	7440-41-7	Beryllium	0.07	UJ	µg/L	4.0	4.0
	7440-43-9	Cadmium	0.12	BJ	µg/L	5.0	5.0
	7440-70-2	Calcium	14200.00	J	µg/L	Not Listed	Not Listed
	7440-47-3	Chromium	2.48	BJ	µg/L	100.00	100.0
	7440-48-4	Cobalt	0.37	B	µg/L	Not Listed	Not Listed
	7440-50-8	Copper	2.82	B	µg/L	Not Listed	1300.0
	7439-89-6	Iron	1020.00		µg/L	300.0	Not Listed
	7439-92-1	Lead	7.93	J	µg/L	Not Listed	15.0
	7439-95-4	Magnesium	2740.00	BJ	µg/L	Not Listed	Not Listed
	7439-96-5	Manganese	12.10	BJ	µg/L	300.0	Not Listed
	7439-97-6	Mercury	0.04	B	µg/L	2.0	2.0
	7440-02-0	Nickel	1.80	BJ	µg/L	Not Listed	Not Listed
	7440-09-7	Potassium	1630.70	BJ	µg/L	Not Listed	Not Listed
	7782-49-2	Selenium	0.36	U	µg/L	50.0	50.0
	7440-22-4	Silver	0.02	UJ	µg/L	100.0	Not Listed
	7440-23-5	Sodium	46900.00	J	µg/L	No Limit	Not Listed
	7440-28-0	Thallium	0.76	B	µg/L	2.0	2.0
	7440-62-2	Vanadium	3.55	BJ	µg/L	Not Listed	Not Listed
	7440-66-6	Zinc	~~106.00~~	R	µg/L	5000.0	Not Listed

1- New York State Department of Health. Part 5, subpart 5-1 *Public Water Systems: Table 1: Inorganic Chemicals and Physical Characteristics Maximum Contaminant Level Determination*, revised November 2011.

2-US. Code of Federal Regulations (CFR). Title 40: Protection of Environment. Part 141: National Primary Drinking Water Regulations. Maximum Contaminant Levels. Section 61: *Maximum Contaminant Levels for Organic Contaminants.*

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R – Rejected Value. Not to be used for Decision Making Purposes.

TABLE 2 (Continued)

PREFERRED PLATING CORP. SITE GROUNDWATER SAMPLE RESULTS SUMMARY (Metals)

Sample ID	CAS Number	Analyte Name	Result	QC	Units	NY State[1]	Federal[2]
PP-RB-01	7429-90-5	Aluminum	~~44.50~~	R	µg/L	Not Listed	Not Listed
	7440-36-0	Antimony	~~1.13~~	R	µg/L	6.0	6.0
	7440-38-2	Arsenic	0.64	U	µg/L	10.0	10.0
	7440-39-3	Barium	~~0.65~~	R	µg/L	2000.0	2000.0
	7440-41-7	Beryllium	0.07	UJ	µg/L	4.0	4.0
	7440-43-9	Cadmium	0.04	U	µg/L	5.0	5.0
	7440-70-2	Calcium	89.00	BJ	µg/L	Not Listed	Not Listed
	7440-47-3	Chromium	0.78	BJ	µg/L	100.00	100.0
	7440-48-4	Cobalt	0.04	U	µg/L	Not Listed	Not Listed
	7440-50-8	Copper	9.36	B	µg/L	Not Listed	1300.0
	7439-89-6	Iron	~~26.00~~	R	µg/L	300.0	Not Listed
	7439-92-1	Lead	0.13	BJ	µg/L	Not Listed	15.0
	7439-95-4	Magnesium	27.00	BJ	µg/L	Not Listed	Not Listed
	7439-96-5	Manganese	0.80	BJ	µg/L	300.0	Not Listed
	7439-97-6	Mercury	0.02	U	µg/L	2.0	2.0
	7440-02-0	Nickel	2.29	BJ	µg/L	Not Listed	Not Listed
	7440-09-7	Potassium	10.70	U	µg/L	Not Listed	Not Listed
	7782-49-2	Selenium	0.36	U	µg/L	50.0	50.0
	7440-22-4	Silver	0.02	UJ	µg/L	100.0	Not Listed
	7440-23-5	Sodium	60.00	BJ	µg/L	No Limit	Not Listed
	7440-28-0	Thallium	0.06	U	µg/L	2.0	2.0
	7440-62-2	Vanadium	0.97	U	µg/L	Not Listed	Not Listed
	7440-66-6	Zinc	~~15.10~~	R	µg/L	5000.0	Not Listed

1- New York State Department of Health. Part 5, subpart 5-1 *Public Water Systems: Table 1: Inorganic Chemicals and Physical Characteristics Maximum Contaminant Level Determination*, revised November 2011.

2-US. Code of Federal Regulations (CFR). Title 40: Protection of Environment. Part 141: National Primary Drinking Water Regulations. Maximum Contaminant Levels. Section 61: *Maximum Contaminant Levels for Organic Contaminants.*

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R Rejected Value. Not to be used for Decision Making Purposes.

TABLE 2 (Continued)

PREFERRED PLATING CORP. SITE GROUNDWATER SAMPLE RESULTS SUMMARY *(VOCs)*

Sample ID	CAS Number	Analyte Name	Result	QC	Units	NY State[1]	Federal[2]
PP-ERT-3		No Detects					
PP-ERT-4	67-64-1	Acetone	17.00		µg/L	50	Not Listed
	108-88-3	Toluene	15.00		µg/L	5	1000
	108-38-3/106-42-3	m/p-Xylene	0.83		µg/L	None	10000
PP-ERT-5		No Detects					
PP-ERT-6		No Detects					
PP-ERT-7		No Detects					
PP-MW-1SP	67-64-1	Acetone	7.50		µg/L	50	Not Listed
	108-88-3	Toluene	1.00		µg/L	None	1000
PP-MW-5SP		No Detects					
PP-MW-66DP		No Detects					
PP-MW-6DP		No Detects					
PP-MW-6SP		No Detects					
PP-MW-6SS		No Detects					
PP-MW-8DP		No Detects					
PP-RB-01		No Detects					

1- New York State Department of Health. Part 5, subpart 5-1 *Public Water Systems: Table3:Organic Chemical – Maximum Contaminant Level Determination, May 2009*

2-US. Code of Federal Regulations (CFR). Title 40: Protection of Environment. Part 141: National Primary Drinking Water Regulations. Maximum Contaminant Levels. Section 61: *Maximum Contaminant Levels for Organic Contaminants*

APPENDIX A

Site Maps

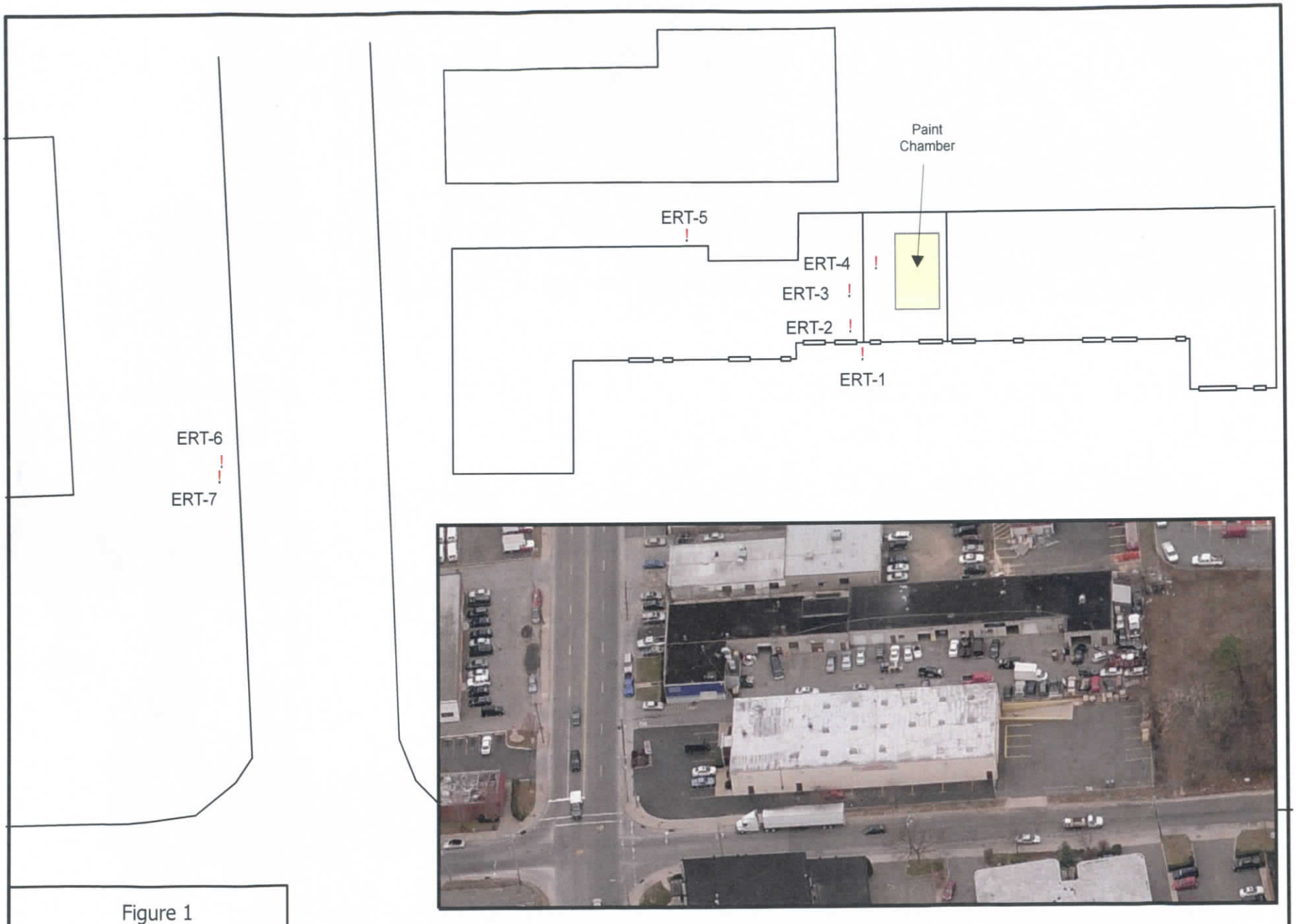
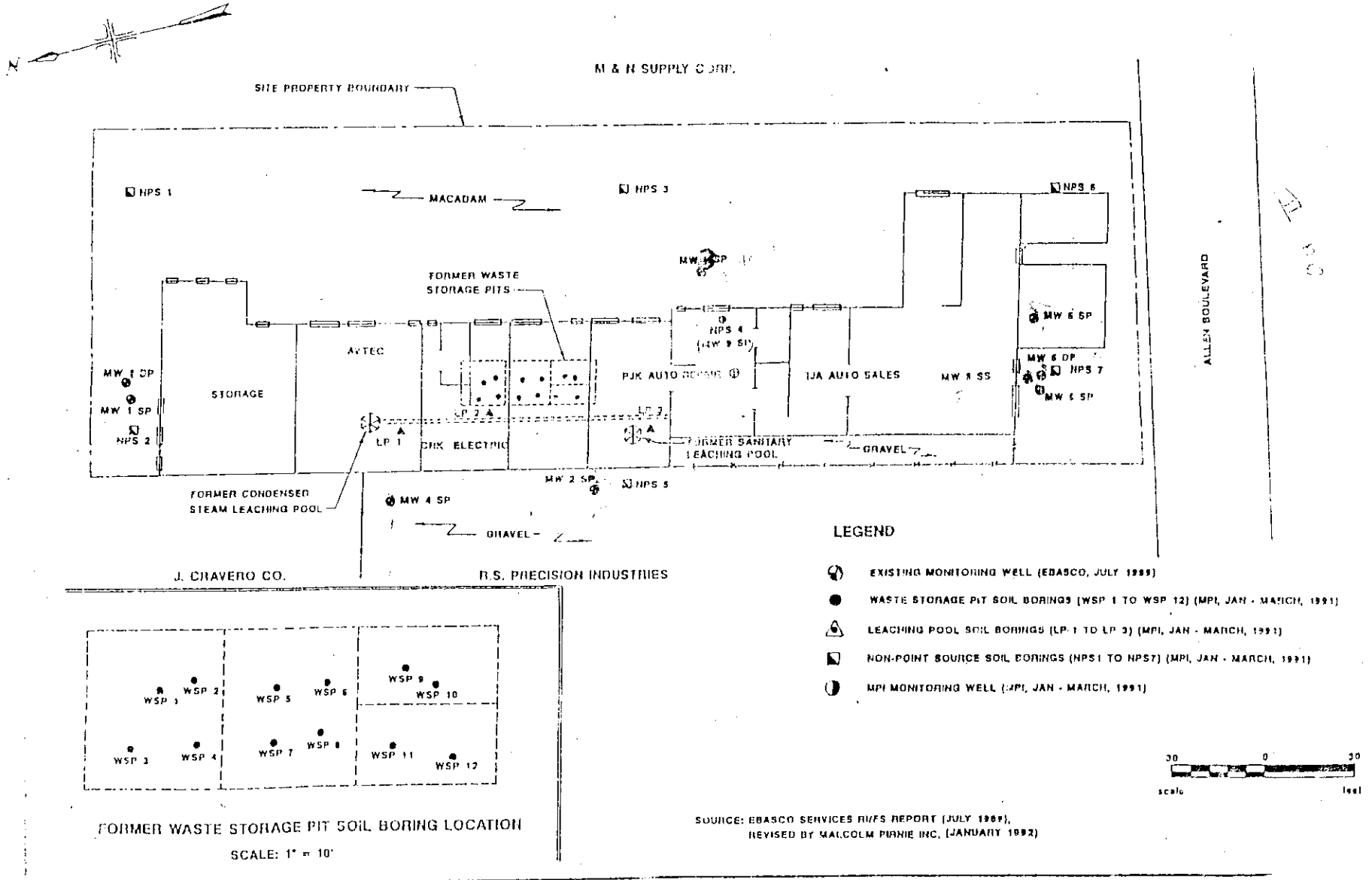


Figure 1
Site Sketch Map
Preferred Plating Site
February 2008
Farmingdale, New York

U.S. EPA Environmental Response Team
Response Engineering and Analytical Contract
EP-C-05-032
WA # 0-276



MALCOLM PIRNIE

PREFERRED PLATING CORPORATION
FARMINGDALE, NEW YORK

GROUNDWATER AND SOIL BORINGS SAMPLING LOCATIONS

APPENDIX B

Well Data Sheets

WELL DATA SHEET

Site Name: Preferred Plating Date: 4/12/12 Well #: ERT-3

Sampling Personnel: M. Denno, R. Finke

Evacuation Information:

Date/Time: 4/12/12, 1010 Method: Peristaltic Pump Total Depth: 25.30 ft

Well Casing Type/Diam.: Flush, 3/4" PVC Top of Casing to Water Level 17.00 ft. Well Volume: 0.17 gal.

Water Column Height: 8.30 ft. Purged Volume: 2.5 gal. Pump (Tube) Placement: 21 ft.

Flow: Approx. 500 mL/min. – Peristaltic Pump

Meter Calibration:

Date/Time: 4/10/12, 0820

Meters pH(s.u.) 4.01 (4) ,7.02 (7) 10.04 (10) Conductivity(mSm): 13.71

Turbidity(NTU): 20.3 (20), 104 (100) 790 (800) D.O. 85 % slope

Sampling Information:

Date/Time: 4/12/12, 1040 Method: Peristaltic Pump Sample/Lab Number: ERT-3

Field Measurement Data:

Time	Depth to Water (Ft.)	Volume Evacuated (gal)	Temp (°C)	Specific Conductance (mS/cm)	pH	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)
1015	17.00	0.5	15.07	0.307	5.18	2.83	17.0	109.7
1020	17.00	1.0	15.64	0.297	5.10	3.12	5.30	116.5
1025	17.00	1.5	15.87	0.300	5.12	2.96	3.37	121.2
1030	17.00	2.0	15.74	0.298	5.02	3.02	2.53	124.2
1035	17.00	2.5	15.79	0.297	5.12	3.01	2.24	115.6

Weather/Comments/Observations/Sample Characteristics.: Clear; 52 ° F; clear, no odor.

WELL DATA SHEET

Site Name: Preferred Plating Date: 4/12/12 Well #: ERT-4

Sampling Personnel: M. Denno, R. Finke

Evacuation Information:

Date/Time: 4/12/12, 1345 Method: Peristaltic Pump Total Depth: 25.80 ft

Well Casing Type/Diam.: 0.75" PVC Top of Casing to Water Level 17.40 ft. Well Vol.: 0.17 gal.

Water Column Height: 8.40 ft. Purged Volume: 5.0 gal. Pump (Tube) Placement: 20 ft.

Flow: Approx. 500-1000 mL/min. - Peristaltic Pump

Meter Calibration:

Date/Time: 4/10/12, 0820

Meters pH(s.u.) 4.01 (4) ,7.02 (7) 10.04 (10) Conductivity(mSm): 13.71

Turbidity(NTU): 20.3 (20), 104 (100) 790 (800) D.O. 85 % slope

Sampling Information:

Date/Time: 4/12/12, 0950 Method: Peristaltic Pump Sample/Lab Number: ERT-5

Field Measurement Data:

Time	Depth to Water (Ft.)	Volume Evacuated (gal)	Temp (°C)	Specific Conductance (mS/cm)	pH	Dissolved Oxygen (%)	Turbidity (NTU)	ORP (mV)
1350	17.40	1.0	15.51	0.162	5.92	8.82	7.57	(-181.1)
1355	17.40	2.0	15.59	0.142	6.04	7.70	2.08	(-172.3)
1400	17.40	3.0	15.72	0.141	5.95	7.06	1.05	(-172.7)
1405	17.40	4.0	15.71	0.142	5.96	6.77	0.44	(-173.4)
1410	17.40	5.0	15.70	0.141	6.00	6.72	0.50	(-173.5)
1415	17.40	6.0	15.70	0.142	6.01	6.75	0.47	(-173.5)

Weather/Comments/Observations/Sample Characteristics.: Clear; 50 ° F; clear, no odor. Inside Paint Booth.

WELL DATA SHEET

Site Name: Preferred Plating Date: 4/12/12 Well #: ERT-5

Sampling Personnel: M. Denno, R. Finke

Evacuation Information:

Date/Time: 4/12/12, 0930 Method: Peristaltic Pump Total Depth: 25.40 ft.

Well Casing Type/Diam.: 2" PVC w/3` stick -up Top of Casing to Water Level 17.55 ft. Well Vol. 1.28 gal.

Water Column Height: 7.85 ft. Purged Volume: 7.0 gal. Pump (Tube) Placement: 21 ft.

Flow: Not Applicable – Peristaltic Pump

Meter Calibration:

Date/Time: 4/10/12, 0820

Meters pH(s.u.) 4.01 (4) ,7.02 (7) 10.04 (10) Conductivity(mSm): 13.71

Turbidity(NTU): 20.3 (20), 104 (100) 790 (800) D.O. 85 % slope

Sampling Information:

Date/Time: 4/12/12, 0950 Method: Peristaltic Pump Sample/Lab Number: ERT-5

Field Measurement Data:

Time	Depth to Water (Ft.)	Volume Evacuated (gal)	Temp (°C)	Specific Conductance (mS/cm)	pH	Dissolved Oxygen (mg/L)	Turbidity (NTU)	ORP (mV)
0932	20.55	1.0	14.10	0.159	5.48	3.00	20.20	60.9
0935	20.55	2.0	14.10	0.159	5.28	3.89	17.10	64.1
0938	20.55	3.0	14.16	0.158	5.38	3.53	2.58	63.7
0941	20.55	4.0	14.19	0.159	5.12	3.40	1.27	87.5
0944	20.55	5.0	14.24	0.158	4.88	3.50	1.38	108.1
0947	20.55	6.0	14.15	0.160	4.22	3.85	2.36	120.0

Weather/Comments/Observations/Sample Characteristics.: Clear; 50 ° F; Inside In Alley Between Buildings clear, no odor.

WELL DATA SHEET

Site Name: Preferred Plating Date: 4/11/12 Well #: ERT-6

Sampling Personnel: M. Denno, R. Finke

Evacuation Information:

Date/Time: 4/11/12, 1600 Method: Peristaltic Pump Total Depth: 25.80 ft

Well Casing Type/Diam.: 0.75" PVC Top of Casing to Water Level 15.58 ft. Well Vol.: 0.23 gal.

Water Column Height: 10.22 ft. Purged Volume: 6.0 gal. Pump (Tube) Placement: 20 ft.

Flow: Approx. 500-1000 mL/min. – Peristaltic Pump

Meter Calibration:

Date/Time: 4/10/12, 0820

Meters pH(s.u.) 4.01 (4) ,7.02 (7) 10.04 (10) Conductivity(mSm): 13.71

Turbidity(NTU): 20.3 (20), 104 (100) 790 (800) D.O. 85 % slope

Sampling Information:

Date/Time: 4/11/12, 1630 Method: Peristaltic Pump Sample/Lab Number: ERT-6

Field Measurement Data:

Time	Depth to Water (Ft.)	Volume Evacuated (gal)	Temp (°C)	Specific Conductance (mS/cm)	pH	Dissolved Oxygen (%)	Turbidity (NTU)	ORP (mV)
1600	15.58	0.0	15.04	0.145	6.53	7.08	48.3	80.3
1605	15.58	1.0	14.87	0.148	6.41	7.24	10.5	84.4
1610	15.58	2.0	14.85	0.142	6.36	7.74	9.98	86.2
1615	15.58	3.0	14.72	0.134	6.30	5.63	9.45	89.1
1620	15.58	4.0	14.80	0.139	6.24	5.62	3.38	89.1
1625	15.58	5.0	14.78	0.143	6.25	5.52	1.36	88.6
1630	15.58	6.0	14.64	0.139	6.28	5.56	1.13	87.1

Weather/Comments/Observations/Sample Characteristics.: Cloudy; 44 ° F; clear, no odor.

WELL DATA SHEET

Site Name: Preferred Plating Date: 4/12/12 Well #: ERT-7

Sampling Personnel: M. Denno, R. Finke

Evacuation Information:

Date/Time: 4/12/12, 0820 Method: Peristaltic Pump Total Depth: 36.90 ft.

Well Casing Type/Diam.: 0.75" PVC Top of Casing to Water Level 15.90 ft. Well Vol.: 0.48 gal.

Water Column Height: 21.0 ft. Purged Volume: 11.0 gal. Pump (Tube) Placement: 25 ft.

Flow: Approx. 500-1000 mL/min. – Peristaltic Pump

Meter Calibration:

Date/Time: 4/10/12, 0820

Meters pH(s.u.) 4.01 (4) ,7.02 (7) 10.04 (10) Conductivity(mSm): 13.71

Turbidity(NTU): 20.3 (20), 104 (100) 790 (800) D.O. 85 % slope

Sampling Information:

Date/Time: 4/12/12, 0855 Method: Peristaltic Pump Sample/Lab Number: ERT-5

Field Measurement Data:

Time	Depth to Water (Ft.)	Volume Evacuated (gal)	Temp (°C)	Specific Conductance (mS/cm)	pH	Dissolved Oxygen (%)	Turbidity (NTU)	ORP (mV)
0820	15.90	1.0	14.20	0.220	5.22	----	140.0	149.1
0823	15.90	2.0	14.84	0.220	5.24	2.43	49.7	93.2
0826	15.90	3.0	15.19	0.220	5.09	2.92	24.9	93.4
0829	15.90	4.0	15.24	0.220	4.98	3.69	10.1	96.8
0832	15.90	5.0	15.04	0.221	5.17	2.43	5.44	79.5
0835	15.90	6.0	15.07	0.219	5.28	2.19	2.17	68.5
0838	15.90	7.0	15.11	0.219	5.25	2.43	1.46	72.0
0841	15.90	8.0	15.17	0.220	5.03	2.68	1.45	88.7
0844	15.90	9.0	15.31	0.219	5.36	2.53	0.47	65.3
0847	15.90	10.0	15.25	0.218	5.16	2.59	0.37	73.6
0850	15.90	11.0	15.26	0.214	5.45	2.52	0.39	55.7

Weather/Comments/Observations/Sample Characteristics.: Clear; 50 ° F; clear, no odor.

WELL DATA SHEET

Site Name: Preferred Plating Date: 4/11/12 Well #: MW-1SP

Sampling Personnel M. Denno, R. Finke

Evacuation Information:

Date/Time: 4/11/12, 1525 Method: low flow/low stress Total Depth: 26.50 ft

Well Casing Type/Diam.: Flush, 2" Top of Casing to Water Level 16.70 ft. Well Volume 1.6 gal.

Water Column Height: 9.8 ft. Purged Volume: 6.0 gal. Pump Placement: 20 ft.

Flow: 300 mL/min

Meter Calibration:

Date/Time: 4/10/12, 0820

Meters pH(s.u.) 4.01 (4) ,7.02 (7) 10.04 (10) Conductivity(mSm): 13.71

Turbidity(NTU): 20.3 (20), 104 (100) 790 (800) D.O. 85 % slope

Sampling Information:

Date/Time: 4/11/12, 1558 Method: Submersible pump (low flow) Sample/Lab Number: MW-1SP

Field Measurement Data:

Time	Depth to Water (Ft.)	Volume Evacuated (gal)	Temp (°C)	Specific Conductance (mS/cm)	pH	Dissolved Oxygen (%)	Turbidity (NTU)	ORP (mV)
1530	16.70	1.0	13.49	0.275	6.21	36.0	85.2	174.9
1535	16.70	2.0	14.16	0.282	6.15	29.5	28.0	203.3
1540	16.70	3.0	14.22	0.284	6.12	24.0	33.2	236.4
1545	16.70	4.0	14.25	0.284	6.12	28.3	37.3	238.7
1550	16.70	5.0	14.31	0.283	6.09	26.1	31.8	238.0
1555	16.70	6.0	14.30	0.283	6.10	26.0	31.0	238.0

Weather/Comments/Observations/Sample Characteristics.: Cloudy; ~45 ° F; clear, no odor.

WELL DATA SHEET

Site Name: Preferred Plating Date: 4/11/12 Well #: MW-5SP

Sampling Personnel: M. Denno

Evacuation Information:

Date/Time: 4/11/12, 0944 Method low flow/low stress Total Depth 27.25 ft

Well Casing Type/Diam. Flush, 2" Top of Casing to Water Level 17.20 ft. Well Volume 1.64 gal.

Water Column Height 7.88 ft. Purged Volume 4.5 gal. Pump Placement 21 ft.

Flow 250 mL/min

Meter Calibration:

Date/Time 4/11/12, 0820

Meters pH(s.u.) 4.01 (4) ,7.02 (7) 10.04 (10) Conductivity(mSm): 13.71

Turbidity(NTU): 20.3 (20), 104 (100) 790 (800) D.O. 85 % slope

Sampling Information:

Date/Time 4/17/07, 1030 Method: Submersible pump (low flow) Sample/Lab Number MW-5SP

Field Measurement Data:

Time	Depth to Water (Ft.)	Volume Evacuated (gal)	Temp (°C)	Specific Conductance (mS/cm)	pH	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV)
0948	17.17	0.5	16.09	0.160	5.49	2.96	54.4	57.3
0953	17.17	1.0	16.16	0.160	5.46	2.77	30.6	63.8
0958	17.17	1.5	16.29	0.160	5.45	2.71	2.4	66.8
1003	17.17	2.0	16.22	0.160	5.45	2.67	17.8	69.6
1008	17.17	2.5	16.29	0.159	5.45	2.61	13.9	72.5
1013	17.17	3.0	16.33	0.158	5.44	2.53	8.70	76.8
1018	17.17	3.5	16.23	0.158	5.44	2.50	6.89	78.8
1021	17.17	4.0	16.25	0.159	5.44	2.50	5.80	79.4
1024	17.17	4.5	16.33	0.158	5.45	2.48	5.38	80.4

Weather/Comments/Observations/Sample Characteristics: Light Rain 48° F, No odor.

MS/MSD at this location

WELL DATA SHEET

Site Name: Preferred Plating Date: 4/11/12 Well #: MW-6DP

Sampling Personnel: M. Denno, R. Finke

Evacuation Information:

Date/Time: 4/11/12, 0930 Method: low flow/low stress Total Depth 44.05 ft

Well Casing Type/Diam.: Flush, 2" Top of Casing to Water Level: 16.60 ft. Well Volume: 4.48 gal.

Water Column Height: 27.45 ft. Purged Volume: 5.0 gal. Pump Placement: 40 ft.

Flow: 250 mL/min

Meter Calibration:

Date/Time: 4/10/12, 0820

Meters pH(s.u.) 4.01 (4) ,7.02 (7) 10.04 (10) Conductivity(mSm): 13.71

Turbidity(NTU): 20.3 (20), 104 (100) 790 (800) D.O. 85 % slope

Sampling Information:

Date/Time: 4/11/12, 1027 Method: Submersible pump (low flow) Sample/Lab Number: MW-6DP

Field Measurement Data:

Time	Depth to Water (Ft.)	Volume Evacuated (gal)	Temp (°C)	Specific Conductance (mS/cm)	pH (su)	Dissolved Oxygen (%)	Turbidity (NTU)	ORP (mV)
0935	16.60	------	14.42	0.287	6.20	16.30	4.12	144.1
0940	16.60	0.5	15.23	0.296	6.11	11.00	3.68	147.9
0945	16.60	1.0	15.46	0.298	6.10	9.80	2.96	151.8
0950	16.60	1.5	15.61	0.299	6.09	8.50	2.36	162.8
0955	16.60	2.0	15.84	0.299	6.11	7.20	2.25	177.9
1000	16.60	2.5	15.61	0.300	6.10	7.50	0.96	183.2
1005	16.60	3.0	15.56	0.300	6.10	6.70	0.75	187.5
1010	16.60	3.5	15.58	0.300	6.10	6.90	0.72	187.2
1015	16.60	4.0	15.60	0.299	6.11	6.85	0.69	187.7
1020	16.60	4.5	15.59	0.300	6.10	6.77	0.70	187.5
1025	16.60	5.0	15.58	0.300	6.10	6.90	0.72	187.2

Weather/Comments/Observations/Sample Characteristics: Light Rain; ~45 ° F; sample clear, no odor.

WELL DATA SHEET

Site Name: Preferred Plating Date: 4/11/12 Well #: MW-6SP

Sampling Personnel: M. Denno, R. Finke

Evacuation Information:

Date/Time: 4/11/12, 1045 Method: low flow/low stress Total Depth: 27.75 ft

Well Casing Type/Diam.: Flush, 2" Top of Casing to Water Level 16.20 ft. Well Volume 1.88 gal.

Water Column Height: 11.55 ft. Purged Volume: 4.5 gal. Pump Placement: 20 ft.

Flow: 250-300 mL/min

Meter Calibration:

Date/Time: 4/10/12, 0820

Meters pH(s.u.) 4.01 (4) ,7.02 (7) 10.04 (10) Conductivity(mSm): 13.71

Turbidity(NTU): 20.3 (20), 104 (100) 790 (800) D.O. 85 % slope

Sampling Information:

Date/Time: 4/12/12, 1126 Method: Submersible Pump (low flow) Sample/Lab Number: MW-6SP

Field Measurement Data:

Time	Depth to Water (Ft.)	Volume Evacuated (gal)	Temp (°C)	Specific Conductance (mS/cm)	pH	Dissolved Oxygen (%)	Turbidity (NTU)	ORP (mV)
1050	16.20	0.5	14.14	0.306	5.96	5.3	54.2	228.6
1055	16.25	1.0	14.74	0.306	5.94	6.6	50.6	202.1
1100	16.25	1.5	15.36	0.306	5.95	7.4	16.5	187.2
1105	16.25	2.5	15.60	0.308	5.97	8.1	6.18	167.6
1110	16.25	3.0	15.66	0.308	5.97	8.4	4.08	160.7
1115	16.20	3.5	15.78	0.308	5.97	9.0	3.96	158.3
1120	16.20	4.0	15.77	0.308	5.97	8.9	2.84	158.1
1125	16.20	4.5	15.78	0.308	5.98	8.8	2.66	156.9

Weather/Comments/Observations/Sample Characteristics.: Light Rain; 46 ° F; clear, no odor.

WELL DATA SHEET

Site Name: Preferred Plating Date: 4/11/12 Well #: MW-6SS

Sampling Personnel: M. Denno, R. Finke

Evacuation Information:

Date/Time: 4/11/02, 1105 Method low flow/low stress Total Depth 26.10 ft

Well Casing Type/Diam. Flush, 2" Top of Casing to Water Level: 16.70 ft. Well Volume: 1.53 gal.

Water Column Height: 9.4 ft. Purged Volume: 2.5 gal. Pump Placement: 23 ft.

Flow: 200-250 mL/min

Meter Calibration:

Date/Time 4/10/12, 0820

Meters pH(s.u.) 4.01 (4), 7.02 (7) 10.04 (10) Conductivity(mSm): 13.71

Turbidity(NTU): 20.3 (20), 104 (100) 790 (800) D.O. 85 % slope

Sampling Information:

Date/Time: 4/11/12, 1135 Method: Submersible pump (low flow) Sample/Lab Number: MW-6SS

Field Measurement Data:

Time	Depth to Water (Ft.)	Volume Evacuated (gal)	Temp (°C)	Specific Conductance (mS/cm)	pH	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV)
1110	16.68	0.5	15.42	0.319	5.98	3.50	20.20	79.2
1115	16.68	1.0	15.67	0.320	5.97	2.63	8.50	84.8
1120	16.68	1.5	15.67	0.319	5.97	2.48	5.03	86.8
1125	16.68	2.0	15.71	0.321	5.98	2.28	3.92	87.0
1130	16.68	2.5	15.67	0.321	5.98	2.21	3.82	87.5

Weather/Comments/Observations/Sample Characteristics: Rain 45 °F.

WELL DATA SHEET

Site Name: Preferred Plating Date: 4/10/12 Well #: MW-8DP

Sampling Personnel: M. Denno, R. Finke

Evacuation Information:

Date/Time: 4/10/12, 1440 Method 3 Well Volumes Total Depth 60.40 ft

Well Casing Type/Diam. Flush, 2" Top of Casing to Water Level 13.73 ft. Well Volume: 7.61 gal.

Water Column Height: 46.70 ft. Purged Volume: 25.0 gal. Pump Placement: N/A Bailer Used (Well Casing is bent)

Flow: Not Applicable

Meter Calibration:

Date/Time 4/10/12, 0820

Meters pH(s.u.) 4.01 (4) ,7.02 (7) 10.04 (10) Conductivity(mSm): 13.71

Turbidity(NTU): 20.3 (20), 104 (100) 790 (800) D.O. 85 % slope

Sampling Information:

Date/Time: 4/10/12, 1550 Method: Bailer Sample/Lab Number: MW-8DP

Field Measurement Data:

Time	Depth to Water (Ft.)	Volume Evacuated (gal)	Flow (mL/min)	Temp (°C)	Specific Conductance (mS/cm)	pH	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV)
1445	13.73	3.0	N/A Bailer	15.89	0.524	6.24	4.29	>1000	28.8
1453	13.75	6.0	N/A Bailer	15.24	0.517	6.32	2.87	>1000	12.7
1459	13.75	9.0	N/A Bailer	14.87	0.420	6.32	4.91	337	(-26.0)
1511	13.75	12.0	N/A Bailer	15.01	0.398	6.09	3.51	197	4.4
1520	13.73	15.0	N/A Bailer	14.98	0.400	6.03	4.08	141	19.4
1531	13.75	20.0	N/A Bailer	14.76	0.399	6.00	4.15	76.8	24.3
1544	13.73	23.0	N/A Bailer	14.73	0.399	6.01	4.27	43.8	28.3
1550	13.73	25.0	N/A Bailer	14.88	0.400	6.06	4.68	38.5	27.4

Weather/Comments/Observations/Sample Characteristics: Overcast, approximately 45 degrees F.

This well is located on the exit ramp from the Southern State Parkway West for the exit to Route 110.

APPENDIX C
2012

Quality Assurance Project Plan (UFPQAPP)

for the

Preferred Plating Corporation Site

G://DESADIV/HWSB-SST~Superfund Sites/Preferred Plating/Preferred Plating QAPP ALL Worksheets.doc

UNIFORM FEDERAL POLICY
QUALITY ASSURANCE PROJECT PLAN
FOR

Preferred Plating Superfund Site

April 9, 2012

REVISION 0

Document Control Number: Preferred UFP QAPP summary.doc

Prepared by:

4/9/12

Robert Finke
Project Manager
EPA/DESA/HWSB/SST

Date

Approved by:

4/9/12

Patricia Sheridan
QA Officer
EPA/DESA/HWSB/SST

Date

APPENDIX D

U.S. EPA Laboratory Data Packages

U.S. EPA

COVER PAGE

Lab Name: U.S. EPA Region 2 Mobile Analytical Laboratory

Method: SOP MAL 3.0 Mod. EPA 6020A

Lab Code: R2-MAL Case No.: N/A EPA MAL NRAS No.: NA SDG No.: PP-ERT-3

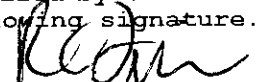
SOW No.: N/A

EPA Sample No.	Lab Sample ID
PP-ERT-3	PP-ERT-3
PP-ERT-4	PP-ERT-4
PP-ERT-5	PP-ERT-5
PP-ERT-6	PP-ERT-6
PP-ERT-7	PP-ERT-7
PP-MW-1SP	PP-MW-1SP
PP-MW-5SP	PP-MW-5SP
PP-MW-5SP(D)	PP-MW-5SP(D)
PP-MW-5SP(S)	PP-MW-5SP(S)
PP-MW-66DP	PP-MW-66DP
PP-MW-6DP	PP-MW-6DP
PP-MW-6SP	PP-MW-6SP
PP-MW-6SS	PP-MW-6SS
PP-MW-8DP	PP-MW-8DP
PP-RB-01	PP-RB-01

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)		NO
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)		NO
If yes, were raw data generated before application of background corrections?	(Yes/No)		NO

Comments:
(D) = Laboratory Duplicate
(S) = Laboratory Spike

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature:  Name: Robert C. Finke

Date: 5/24/12 Title: Chemist

U.S. EPA

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

PP-ERT-3

Lab Name: U.S. EPA Region 2 Mobile Analytical Laboratory Method: MOD. 6020A

Lab Code: R2-MAL Case No.: NA - EPA MAL NRAS No.: NA SDG No.: PP-ERT-3

Matrix: (soil/water) Water Lab Sample ID: PP-ERT-3

Level: (low/med) Low Date Received: 4/13/12

% Solids: NA - Water

Concentration Units (µg/L or mg/kg dry weight): µg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	~~280.00~~		~~J~~ K	MS
7440-36-0	Antimony	~~1.78~~	~~B~~		MS
7440-38-2	Arsenic	0.74	B		MS
7440-39-3	Barium	~~71.10~~	~~B~~	R	MS
7440-41-7	Beryllium	0.87	B		MS
7440-43-9	Cadmium	12.80			MS
7440-70-2	Calcium	31300.00			MS
7440-47-3	Chromium	56.10			MS
7440-48-4	Cobalt	5.35	B		MS
7440-50-8	Copper	5.45	B	J	MS
7439-89-6	Iron	~~189.00~~		K	MS
7439-92-1	Lead	0.32	B		MS
7439-95-4	Magnesium	3280.00	B		MS
7439-96-5	Manganese	7.70	B	J	MS
7439-97-6	Mercury	0.02	U		MS
7440-02-0	Nickel	10.30	B		MS
7440-09-7	Potassium	1990.00	B		MS
7782-49-2	Selenium	0.64	B		MS
7440-22-4	Silver	0.17	B		MS
7440-23-5	Sodium	16400.00			MS
7440-28-0	Thallium	2.65	B		MS
7440-62-2	Vanadium	2.89	B	J	MS
7440-66-6	Zinc	~~15.20~~	~~B~~	~~J~~ K	MS

Color Before: Clear Clarity Before: Clear Texture: NA - Water

Color After: Clear Clarity After: Clear Artifacts: None

Comments: NA = NOT APPLICABLE
MS = Mass Spectrometry

B: Concentration between the Instrument Detection Limit and the Contract Required Detection Limit.
U: Non-Detect below the Instrument Detection Limit (IDL)
MS: Mass Spectrometry

U.S. EPA

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

PP-ERT-4

Lab Name: U.S. EPA Region 2 Mobile Analytical Laboratory Method: MOD. 6020A

Lab Code: R2-MAL Case No.: NA - EPA MAL NRAS No.: NA SDG No.: PP-ERT-3

Matrix: (soil/water) Water Lab Sample ID: PP-ERT-4

Level: (low/med) Low Date Received: 4/13/12

% Solids: NA - Water

Concentration Units (µg/L or mg/kg dry weight): µg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28.90	B		MS
7440-36-0	Antimony	1.17	B		MS
7440-38-2	Arsenic	0.63	U		MS
7440-39-3	Barium	22.00	B		MS
7440-41-7	Beryllium	0.07	U		MS
7440-43-9	Cadmium	10.70			MS
7440-70-2	Calcium	26100.00			MS
7440-47-3	Chromium	23.30			MS
7440-48-4	Cobalt	1.37	B		MS
7440-50-8	Copper	4.56	B		MS
7439-89-6	Iron	61.00	B		MS
7439-92-1	Lead	0.12	B		MS
7439-95-4	Magnesium	2510.00	B		MS
7439-96-5	Manganese	1.11	B		MS
7439-97-6	Mercury	0.02	U		MS
7440-02-0	Nickel	1.38	B		MS
7440-09-7	Potassium	1380.00	B		MS
7782-49-2	Selenium	0.36	U		MS
7440-22-4	Silver	0.06	B		MS
7440-23-5	Sodium	12700.00			MS
7440-28-0	Thallium	0.21	B		MS
7440-62-2	Vanadium	0.97	U		MS
7440-66-6	Zinc	12.70	B		MS

Color Before: Clear Clarity Before: Clear Texture: NA - Water

Color After: Clear Clarity After: Clear Artifacts: None

Comments: NA = NOT APPLICABLE
MS = Mass Spectrometry

B: Concentration between the Instrument Detection Limit and the Contract Required Detection Limit.
U: Non-Detect below the Instrument Detection Limit (IDL)
MS: Mass Spectrometry

U.S. EPA

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

PP-ERT-5

Lab Name: U.S. EPA Region 2 Mobile Analytical Laboratory Method: MOD. 6020A

Lab Code: R2-MAL Case No.: NA - EPA MAL NRAS No.: NA SDG No.: PP-ERT-3

Matrix: (soil/water) Water Lab Sample ID: PP-ERT-5

Level: (low/med) Low Date Received: 4/13/12

% Solids: NA - Water

Concentration Units (µg/L or mg/kg dry weight): µg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.10	B		MS
7440-36-0	Antimony	0.94	B		MS
7440-38-2	Arsenic	0.63	U		MS
7440-39-3	Barium	16.60	B		MS
7440-41-7	Beryllium	0.07	U		MS
7440-43-9	Cadmium	30.10			MS
7440-70-2	Calcium	11800.00			MS
7440-47-3	Chromium	40.20			MS
7440-48-4	Cobalt	0.02	U		MS
7440-50-8	Copper	2.61	B		MS
7439-89-6	Iron	41.00	B		MS
7439-92-1	Lead	0.40	B		MS
7439-95-4	Magnesium	1800.00	B		MS
7439-96-5	Manganese	1.79	B		MS
7439-97-6	Mercury	0.02	U		MS
7440-02-0	Nickel	2.03	B		MS
7440-09-7	Potassium	1100.00	B		MS
7782-49-2	Selenium	0.36	U		MS
7440-22-4	Silver	0.05	B		MS
7440-23-5	Sodium	9680.00			MS
7440-28-0	Thallium	0.30	B		MS
7440-62-2	Vanadium	0.97	U		MS
7440-66-6	Zinc	28.60	B		MS

Color Before: Clear Clarity Before: Clear Texture: NA - Water

Color After: Clear Clarity After: Clear Artifacts: None

Comments: NA = NOT APPLICABLE
MS = Mass Spectrometry

B: Concentration between the Instrument Detection Limit and the Contract Required Detection Limit.
U: Non-Detect below the Instrument Detection Limit (IDL)
MS: Mass Spectrometry

U.S. EPA

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

PP-ERT-6

Lab Name: U.S. EPA Region 2 Mobile Analytical Laboratory Method: MOD. 6020A

Lab Code: R2-MAL Case No.: NA - EPA MAL NRAS No.: NA SDG No.: PP-ERT-3

Matrix: (soil/water) Water Lab Sample ID: PP-ERT-6

Level: (low/med) Low Date Received: 4/13/12

% Solids: NA - Water

Concentration Units (µg/L or mg/kg dry weight): µg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	33.30	B	J K	MS
7440-36-0	Antimony	1.08	B	J	MS
7440-38-2	Arsenic	0.63	U		MS
7440-39-3	Barium	17.00	B	K	MS
7440-41-7	Beryllium	0.07	U		MS
7440-43-9	Cadmium	9.59			MS
7440-70-2	Calcium	12900.00			MS
7440-47-3	Chromium	6.59			MS
7440-48-4	Cobalt	0.02	U		MS
7440-50-8	Copper	1.78	B		MS
7439-89-6	Iron	46.00	B		MS
7439-92-1	Lead	0.60	B		MS
7439-95-4	Magnesium	3110.00	B		MS
7439-96-5	Manganese	1.43	B	J	MS
7439-97-6	Mercury	0.02	U		MS
7440-02-0	Nickel	0.94	B		MS
7440-09-7	Potassium	999.00	B		MS
7782-49-2	Selenium	0.36	U		MS
7440-22-4	Silver	0.02	U		MS
7440-23-5	Sodium	6010.00			MS
7440-28-0	Thallium	0.20	B		MS
7440-62-2	Vanadium	0.97	U		MS
7440-66-6	Zinc	8.33	B	K	MS

Color Before: Clear Clarity Before: Clear Texture: NA - Water

Color After: Clear Clarity After: Clear Artifacts: None

Comments: NA = NOT APPLICABLE
MS = Mass Spectrometry

B: Concentration between the Instrument Detection Limit and the Contract Required Detection Limit.
U: Non-Detect below the Instrument Detection Limit (IDL)
MS: Mass Spectrometry

U.S. EPA

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

PP-ERT-7

Lab Name: U.S. EPA Region 2 Mobile Analytical Laboratory Method: MOD. 6020A

Lab Code: R2-MAL Case No.: NA - EPA MAL NRAS No.: NA SDG No.: PP-ERT-3

Matrix: (soil/water) Water Lab Sample ID: PP-ERT-7

Level: (low/med) Low Date Received: 4/13/12

% Solids: NA - Water

Concentration Units (µg/L or mg/kg dry weight): µg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16.00	B		MS
7440-36-0	Antimony	1.01	B		MS
7440-38-2	Arsenic	0.63	U		MS
7440-39-3	Barium	29.20	B		MS
7440-41-7	Beryllium	0.07	U		MS
7440-43-9	Cadmium	1.42	B		MS
7440-70-2	Calcium	12900.00			MS
7440-47-3	Chromium	0.27	B		MS
7440-48-4	Cobalt	0.02	U		MS
7440-50-8	Copper	0.22	U		MS
7439-89-6	Iron	33.00	B		MS
7439-92-1	Lead	0.08	U		MS
7439-95-4	Magnesium	2360.00	B		MS
7439-96-5	Manganese	1.11	B		MS
7439-97-6	Mercury	0.02	U		MS
7440-02-0	Nickel	0.65	B		MS
7440-09-7	Potassium	1370.00	B		MS
7782-49-2	Selenium	0.47	B		MS
7440-22-4	Silver	0.02	U		MS
7440-23-5	Sodium	20600.00			MS
7440-28-0	Thallium	0.24	B		MS
7440-62-2	Vanadium	0.97	U		MS
7440-66-6	Zinc	0.34	U		MS

Color Before: Clear Clarity Before: Clear Texture: NA - Water

Color After: Clear Clarity After: Clear Artifacts: None

Comments: NA = NOT APPLICABLE
MS = Mass Spectrometry

B: Concentration between the Instrument Detection Limit and the Contract Required Detection Limit.
U: Non-Detect below the Instrument Detection Limit (IDL)
MS: Mass Spectrometry

U.S. EPA

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

PP-MW-1SP

Lab Name: U.S. EPA Region 2 Mobile Analytical Laboratory Method: MOD. 6020A

Lab Code: R2-MAL Case No.: NA - EPA MAL NRAS No.: NA SDG No.: PP-ERT-3

Matrix: (soil/water) Water Lab Sample ID: PP-MW-1SP

Level: (low/med) Low Date Received: 4/13/12

% Solids: NA - Water

Concentration Units (µg/L or mg/kg dry weight): µg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1310.00		J	MS
7440-36-0	Antimony	1.79	B	J	MS
7440-38-2	Arsenic	3.43	B		MS
7440-39-3	Barium	57.40	B	J	MS
7440-41-7	Beryllium	0.07	U	UJ	MS
7440-43-9	Cadmium	0.93	B	J	MS
7440-70-2	Calcium	26600.00		J	MS
7440-47-3	Chromium	2.72	B	J	MS
7440-48-4	Cobalt	0.57	B		MS
7440-50-8	Copper	20.70	B	J	MS
7439-89-6	Iron	1830.00			MS
7439-92-1	Lead	10.70		J	MS
7439-95-4	Magnesium	3340.00	B		MS
7439-96-5	Manganese	33.70		J	MS
7439-97-6	Mercury	0.02	U		MS
7440-02-0	Nickel	9.09	B	J	MS
7440-09-7	Potassium	2560.00	B	J	MS
7782-49-2	Selenium	0.72	B		MS
7440-22-4	Silver	0.02	U	J	MS
7440-23-5	Sodium	19600.00			MS
7440-28-0	Thallium	0.10	B		MS
7440-62-2	Vanadium	0.97	U		MS
7440-66-6	Zinc	135.00		J R	MS

Color Before: Clear Clarity Before: Clear Texture: NA - Water

Color After: Clear Clarity After: Clear Artifacts: None

Comments: NA = NOT APPLICABLE
MS = Mass Spectrometry

B: Concentration between the Instrument Detection Limit and the Contract Required Detection Limit.
U: Non-Detect below the Instrument Detection Limit (IDL)
MS: Mass Spectrometry

U.S. EPA

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

PP-MW-5SP

Lab Name: U.S. EPA Region 2 Mobile Analytical Laboratory Method: MOD. 6020A

Lab Code: R2-MAL Case No.: NA - EPA MAL NRAS No.: NA SDG No.: PP-ERT-3

Matrix: (soil/water) Water Lab Sample ID: PP-MW-5SP

Level: (low/med) Low Date Received: 4/13/12

% Solids: NA - Water

Concentration Units (µg/L or mg/kg dry weight): µg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2715.00			MS
7440-36-0	Antimony	0.93	B		MS
7440-38-2	Arsenic	0.64	U		MS
7440-39-3	Barium	48.20	B		MS
7440-41-7	Beryllium	0.14	B		MS
7440-43-9	Cadmium	22.70			MS
7440-70-2	Calcium	14060.00			MS
7440-47-3	Chromium	30.30			MS
7440-48-4	Cobalt	1.03	B		MS
7440-50-8	Copper	6.62	B		MS
7439-89-6	Iron	2610.00			MS
7439-92-1	Lead	1.46	B		MS
7439-95-4	Magnesium	3404.00	B		MS
7439-96-5	Manganese	35.70			MS
7439-97-6	Mercury	0.03	B		MS
7440-02-0	Nickel	14.70	B		MS
7440-09-7	Potassium	903.00	B		MS
7782-49-2	Selenium	0.42	B		MS
7440-22-4	Silver	0.02	U		MS
7440-23-5	Sodium	5900.00			MS
7440-28-0	Thallium	0.33	B		MS
7440-62-2	Vanadium	1.08	B		MS
7440-66-6	Zinc	112.00			MS

Color Before: Clear Clarity Before: Clear Texture: NA - Water

Color After: Clear Clarity After: Clear Artifacts: None

Comments: NA = NOT APPLICABLE
MS = Mass Spectrometry

B: Concentration between the Instrument Detection Limit and the Contract Required Detection Limit.
U: Non-Detect below the Instrument Detection Limit (IDL)
MS: Mass Spectrometry

U.S. EPA

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

PP-MW-66DP

Lab Name: U.S. EPA Region 2 Mobile Analytical Laboratory Method: MOD. 6020A

Lab Code: R2-MAL Case No.: NA - EPA MAL NRAS No.: NA SDG No.: PP-ERT-3

Matrix: (soil/water) Water Lab Sample ID: PP-MW-66DP

Level: (low/med) Low Date Received: 4/13/12

% Solids: NA - Water

Concentration Units (µg/L or mg/kg dry weight): µg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	398.00			MS
7440-36-0	Antimony	9.09	B		MS
7440-38-2	Arsenic	3.68	B		MS
7440-39-3	Barium	220.00			MS
7440-41-7	Beryllium	0.07	U		MS
7440-43-9	Cadmium	5.48			MS
7440-70-2	Calcium	20400.00			MS
7440-47-3	Chromium	35.30			MS
7440-48-4	Cobalt	0.57	B		MS
7440-50-8	Copper	25.40			MS
7439-89-6	Iron	98.00	B		MS
7439-92-1	Lead	1.03	B		MS
7439-95-4	Magnesium	3330.00	B		MS
7439-96-5	Manganese	29.50			MS
7439-97-6	Mercury	0.02	U		MS
7440-02-0	Nickel	48.30			MS
7440-09-7	Potassium	1760.00	B		MS
7782-49-2	Selenium	0.94	B		MS
7440-22-4	Silver	0.37	B		MS
7440-23-5	Sodium	25900.00			MS
7440-28-0	Thallium	2.51	B		MS
7440-62-2	Vanadium	22.20	B		MS
7440-66-6	Zinc	65.70			MS

Color Before: Clear Clarity Before: Clear Texture: NA - Water

Color After: Clear Clarity After: Clear Artifacts: None

Comments: NA = NOT APPLICABLE
MS = Mass Spectrometry

B: Concentration between the Instrument Detection Limit and the Contract Required Detection Limit.
U: Non-Detect below the Instrument Detection Limit (IDL)
MS: Mass Spectrometry

U.S. EPA

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

PP-MW-6DP

Lab Name: U.S. EPA Region 2 Mobile Analytical Laboratory Method: MOD. 6020A

Lab Code: R2-MAL Case No.: NA - EPA MAL NRAS No.: NA SDG No.: PP-ERT-3

Matrix: (soil/water) Water Lab Sample ID: PP-MW-6DP

Level: (low/med) Low Date Received: 4/13/12

% Solids: NA - Water

Concentration Units (µg/L or mg/kg dry weight): µg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	103.00	B		MS
7440-36-0	Antimony	4.14	B		MS
7440-38-2	Arsenic	4.48	B		MS
7440-39-3	Barium	56.60	B		MS
7440-41-7	Beryllium	3.28	B		MS
7440-43-9	Cadmium	1.87	B		MS
7440-70-2	Calcium	19800.00			MS
7440-47-3	Chromium	21.50			MS
7440-48-4	Cobalt	5.32	B		MS
7440-50-8	Copper	4.81	B		MS
7439-89-6	Iron	93.00	B		MS
7439-92-1	Lead	6.60			MS
7439-95-4	Magnesium	3240.00	B		MS
7439-96-5	Manganese	7.03	B		MS
7439-97-6	Mercury	0.02	U		MS
7440-02-0	Nickel	22.50	B		MS
7440-09-7	Potassium	1710.00	B		MS
7782-49-2	Selenium	6.26			MS
7440-22-4	Silver	0.81	B		MS
7440-23-5	Sodium	25200.00			MS
7440-28-0	Thallium	2.53	B		MS
7440-62-2	Vanadium	3.84	B		MS
7440-66-6	Zinc	10.50			MS

Color Before: Clear Clarity Before: Clear Texture: NA - Water

Color After: Clear Clarity After: Clear Artifacts: None

Comments: NA = NOT APPLICABLE
MS = Mass Spectrometry

B: Concentration between the Instrument Detection Limit and the Contract Required Detection Limit.
U: Non-Detect below the Instrument Detection Limit (IDL)
MS: Mass Spectrometry

U.S. EPA

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

PP-MW-6SP

Lab Name: U.S. EPA Region 2 Mobile Analytical Laboratory Method: MOD. 6020A

Lab Code: R2-MAL Case No.: NA - EPA MAL NRAS No.: NA SDG No.: PP-ERT-3

Matrix: (soil/water) Water Lab Sample ID: PP-MW-6SP

Level: (low/med) Low Date Received: 4/13/12

% Solids: NA - Water

Concentration Units (µg/L or mg/kg dry weight): µg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	188.00	B		MS
7440-36-0	Antimony	1.92	B		MS
7440-38-2	Arsenic	0.64	U		MS
7440-39-3	Barium	30.60	B		MS
7440-41-7	Beryllium	0.07	U		MS
7440-43-9	Cadmium	83.30			MS
7440-70-2	Calcium	31600.00			MS
7440-47-3	Chromium	108.00			MS
7440-48-4	Cobalt	0.87	B		MS
7440-50-8	Copper	10.40	B		MS
7439-89-6	Iron	454.00			MS
7439-92-1	Lead	0.60	B		MS
7439-95-4	Magnesium	3720.00	B		MS
7439-96-5	Manganese	271.00			MS
7439-97-6	Mercury	0.09	B		MS
7440-02-0	Nickel	9.78	B		MS
7440-09-7	Potassium	2590.00	B		MS
7782-49-2	Selenium	0.36	U		MS
7440-22-4	Silver	0.02	U		MS
7440-23-5	Sodium	16400.00			MS
7440-28-0	Thallium	0.13	B		MS
7440-62-2	Vanadium	0.97	U		MS
7440-66-6	Zinc	39.40			MS

Color Before: Clear Clarity Before: Clear Texture: NA - Water

Color After: Clear Clarity After: Clear Artifacts: None

Comments: NA = NOT APPLICABLE
MS = Mass Spectrometry

B: Concentration between the Instrument Detection Limit and the Contract Required Detection Limit..
U: Non-Detect below the Instrument Detection Limit (IDL)
MS: Mass Spectrometry

U.S. EPA

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

PP-MW-6SS

Lab Name: U.S. EPA Region 2 Mobile Analytical Laboratory Method: MOD. 6020A

Lab Code: R2-MAL Case No.: NA - EPA MAL NRAS No.: NA SDG No.: PP-ERT-3

Matrix: (soil/water) Water Lab Sample ID: PP-MW-6SS

Level: (low/med) Low Date Received: 4/13/12

% Solids: NA - Water

Concentration Units (µg/L or mg/kg dry weight): µg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	43.90	B		MS
7440-36-0	Antimony	1.17	B		MS
7440-38-2	Arsenic	0.64	U		MS
7440-39-3	Barium	10.90	B		MS
7440-41-7	Beryllium	0.07	U		MS
7440-43-9	Cadmium	10.40			MS
7440-70-2	Calcium	34050.00			MS
7440-47-3	Chromium	23.90			MS
7440-48-4	Cobalt	0.08	B		MS
7440-50-8	Copper	1.93	B		MS
7439-89-6	Iron	163.00	B		MS
7439-92-1	Lead	0.10	B		MS
7439-95-4	Magnesium	3850.00	B		MS
7439-96-5	Manganese	20.90			MS
7439-97-6	Mercury	0.02	U		MS
7440-02-0	Nickel	3.69	B		MS
7440-09-7	Potassium	2030.00	B		MS
7782-49-2	Selenium	0.36	U		MS
7440-22-4	Silver	0.02	U		MS
7440-23-5	Sodium	13900.00			MS
7440-28-0	Thallium	0.06	U		MS
7440-62-2	Vanadium	0.97	U		MS
7440-66-6	Zinc	7.13			MS

Color Before: Clear Clarity Before: Clear Texture: NA - Water

Color After: Clear Clarity After: Clear Artifacts: None

Comments: NA = NOT APPLICABLE
MS = Mass Spectrometry

B: Concentration between the Instrument Detection Limit and the Contract Required Detection Limit.
U: Non-Detect below the Instrument Detection Limit (IDL)
MS: Mass Spectrometry

U.S. EPA

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

PP-MW-8DP

Lab Name: U.S. EPA Region 2 Mobile Analytical Laboratory Method: MOD. 6020A

Lab Code: R2-MAL Case No.: NA - EPA MAL NRAS No.: NA SDG No.: PP-ERT-3

Matrix: (soil/water) Water Lab Sample ID: PP-MW-8DP

Level: (low/med) Low Date Received: 4/13/12

% Solids: NA - Water

Concentration Units (µg/L or mg/kg dry weight): µg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	979.00			MS
7440-36-0	Antimony	1.95	B		MS
7440-38-2	Arsenic	2.81	B		MS
7440-39-3	Barium	116.00	B		MS
7440-41-7	Beryllium	0.07	U		MS
7440-43-9	Cadmium	0.12	B		MS
7440-70-2	Calcium	14200.00			MS
7440-47-3	Chromium	2.48	B		MS
7440-48-4	Cobalt	0.37	B		MS
7440-50-8	Copper	2.82	B		MS
7439-89-6	Iron	1020.00			MS
7439-92-1	Lead	7.93			MS
7439-95-4	Magnesium	2740.00	B		MS
7439-96-5	Manganese	12.10	B		MS
7439-97-6	Mercury	0.04	B		MS
7440-02-0	Nickel	1.80	B		MS
7440-09-7	Potassium	1630.00	B		MS
7782-49-2	Selenium	0.36	U		MS
7440-22-4	Silver	0.02	U		MS
7440-23-5	Sodium	46900.00			MS
7440-28-0	Thallium	0.76	B		MS
7440-62-2	Vanadium	3.55	B		MS
7440-66-6	Zinc	106.00			MS

Color Before: Clear Clarity Before: Clear Texture: NA - Water

Color After: Clear Clarity After: Clear Artifacts: None

Comments: NA = NOT APPLICABLE
MS = Mass Spectrometry

B: Concentration between the Instrument Detection Limit and the Contract Required Detection Limit.
U: Non-Detect below the Instrument Detection Limit (IDL)
MS: Mass Spectrometry

U.S. EPA

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

PP-RB-01

Lab Name: U.S. EPA Region 2 Mobile Analytical Laboratory Method: MOD. 6020A

Lab Code: R2-MAL Case No.: NA - EPA MAL NRAS No.: NA SDG No.: PP-ERT-3

Matrix: (soil/water) Water Lab Sample ID: PP-RB-01

Level: (low/med) Low Date Received: 4/13/12

% Solids: NA - Water

Concentration Units (µg/L or mg/kg dry weight): µg/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	44.50	B		MS
7440-36-0	Antimony	1.13	B		MS
7440-38-2	Arsenic	0.64	U		MS
7440-39-3	Barium	0.65	B		MS
7440-41-7	Beryllium	0.07	U		MS
7440-43-9	Cadmium	0.04	U		MS
7440-70-2	Calcium	89.00	B		MS
7440-47-3	Chromium	0.78	B		MS
7440-48-4	Cobalt	0.04	U		MS
7440-50-8	Copper	9.36	B		MS
7439-89-6	Iron	26.00	B		MS
7439-92-1	Lead	0.13	B		MS
7439-95-4	Magnesium	27.00	B		MS
7439-96-5	Manganese	0.80	B		MS
7439-97-6	Mercury	0.02	U		MS
7440-02-0	Nickel	2.29	B		MS
7440-09-7	Potassium	10.70	U		MS
7782-49-2	Selenium	0.36	U		MS
7440-22-4	Silver	0.02	U		MS
7440-23-5	Sodium	60.00	B		MS
7440-28-0	Thallium	0.06	U		MS
7440-62-2	Vanadium	0.97	U		MS
7440-66-6	Zinc	15.10	B		MS

Color Before: Clear Clarity Before: Clear Texture: NA - Water

Color After: Clear Clarity After: Clear Artifacts: None

Comments: NA = NOT APPLICABLE
MS = Mass Spectrometry

B: Concentration between the Instrument Detection Limit and the Contract Required Detection Limit.
U: Non-Detect below the Instrument Detection Limit (IDL)
MS: Mass Spectrometry

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory
2890 Woodbridge Avenue
Edison , New Jersey 08837
732-906-6886 Phone
732-906-6165 Fax

May 15, 2012

Robert Finke
Hazardous Waste Support Branch
DESA/HWSB
Edison, NJ 08837

RE: Preferred Plating - 1204027

Enclosed are the results of analyses for samples received by the laboratory on 04/13/2012. The signature below reflects the laboratory's approval of the reported results. If you have any questions concerning this report, please refer to Project Number 1204027 and contact John Birri by phone at 732-906-6886, or via Email at birri.john@epa.gov.

Sincerely,

John R. Bourbon
Chief, DESA/LB

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Project:Preferred Plating - 1204027

Project Number: 1204027

Project Narrative:

The National Environmental Laboratory Accreditation Conference (NELAC) is a voluntary environmental laboratory accreditation association of State and Federal agencies. NELAC established and promoted a national accreditation program that provides a uniform set of standards for the generation of environmental data that are of known and defensible quality. The EPA Region 2 Laboratory is NELAC accredited. The Laboratory tests that are accredited have met all the requirements established under the NELAC Standards.

Condition Comments

None

Comment(s):

None

Data Qualifier(s):

U- The analyte was not detected at or above the Reporting Limit.
J- The identification of the analyte is acceptable; the reported value is an estimate.
K- The identification of the analyte is acceptable; the reported value may be biased high.
L- The identification of the analyte is acceptable; the reported value may be biased low.
NJ- There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification. The reported value is an estimate.

Reporting Limit(s):

The Laboratory was able to achieve the appropriate limits for each analyte requested.

APPENDIX E

Preferred Plating Site
Trip Report

SAMPLING TRIP REPORT

Site Name: Preferred Plating
Sampling Date: April 10-13, 2012

1. **Site Location:**

East Farmingdale, Suffolk County, New York

2. **Sample Descriptions:**

Refer to Table 1

3. **Laboratories Receiving Samples**:

Sample Type	Laboratory Code	Name and Address of Laboratory
Total Metals	MAL	EPA Region 2 Mobile Analytical Laboratory 2890 Woodbridge Ave. Edison, NJ 08837
VOCs	LABB	U.S. EPA, Region 2 DESA/Laboratory Branch 2890 Woodbridge Ave. Edison, NJ 08837

4. **Sample Dispatch Data:**

On April 10-13, 2012, a total of 11 groundwater samples were collected from wells and piezometers located at and within the vicinity of the Preferred Plating site in East Farmingdale, Long Island, New York. One blind field duplicate sample was also collected for each parameter for field quality control purposes. The samples were held until the conclusion of the sampling event where they were submitted to the EPA Region 2 Laboratory Branch for Volatile Organic Analysis (VOA) and the EPA Region 2 Mobile Analytical laboratory for Target Analyte List (TAL) analysis. The Chain-of-Custody record can be found as Appendix A.

5. **Sampling Personnel:**

Name	Organization	Site Duties
Robert Finke	U.S. EPA Region 2 DESA/HWSB Superfund Support Team	Project Manager/Sample Management
Mark Denno	U.S. EPA Region 2 DESA/HWSB Superfund Support Team	Field Personnel/Computer Support/Sample Management

6. Additional Comments:

The number of samples includes:

- 11 groundwater samples
- 1 field duplicate samples (laboratory and field quality control sample)
- 1 matrix spike/matrix spike duplicate samples (laboratory quality control sample)
- 1 rinsate blank samples (field quality control sample)
- 1 trip blank (field quality control sample)

The following Sample Numbers were used for laboratories and/or field quality control:

TABLE 1
QA/QC SAMPLE DATA

TYPE OF SAMPLE	ANALYSIS	SAMPLE NUMBER
TRIP BLANK	Low Conc. Organic	PP-TB-01
RINSATE BLANK	Low Conc. Organic	PP-RB-01
	Inorganic	
BLIND DUPLICATE	Low Conc. Organic	PP-MW-66DP is a Field Duplicate of PP-MW-6DP
	Inorganic	
MATRIX SPIKE/ MATRIX SPIKE DUPLICATE	Organic	PP-MW-5SP
	Inorganic	

Report Prepared By: Robert C. Finke Date April 17, 2012

Preferred Plating Site
Sampling Locations
April 10-13 2012

Monitoring Well	Date	Time	Well Location
PP-MW-1SP	04/11/12	1558	In shed behind building North side
PP-MW-2SP	Not Sampled	Destroyed	West side of building – outside paint booth
PP-MW 3SP	Not Sampled	Destroyed	East side of building, in ally area
PP-MW-5SP (Matrix Spike)	04/11/12	1030	South of the site, in front (street) grassy area
PP-MW-6SP	04/11/12	1126	South of the site, in front (street) garage area
PP-MW-6SS	04/11/12	1135	South of the site, in front (street) garage area
PP-MW-6DP (duplicate collected here = PP-MW-66DP	04/11/12	1027	South of the site, in front (street) garage area
PP-MW 6DP	04/11/12	1028	South of the site, in front (street) garage area
PP-MW-8DP	04/10/12	1550	On the exit ramp of the Southern State Parkway (Exit Ramp for Rt. 110 going East)
PP-ERT-1	Not Sampled	Bent	West side of building – near paint booth - outside
PP-ERT-2	Not Sampled	Blocked by car w/o wheels	Inside of building – Central
PP-ERT-3	04/12/12	1040	Inside of building Central
PP-ERT-4	04/12/12	1420	Inside of building – Central
PP-ERT-5	04/12/12	0950	West side of building - ally - outside
PP-ERT-6	04/11/12	1630	Across street – Allen Boulevard
PP-ERT-7	04/12/12	0855	Across street – Allen Boulevard

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Project:Preferred Plating - 1204027

Project Number: 1204027

SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
PP-ERT-3	1204027-01	Aqueous	04/12/2012 10:40	04/13/2012 13:05
PP-ERT-4	1204027-02	Aqueous	04/12/2012 14:20	04/13/2012 13:05
PP-ERT-5	1204027-03	Aqueous	04/12/2012 09:50	04/13/2012 13:05
PP-ERT-6	1204027-04	Aqueous	04/12/2012 16:30	04/13/2012 13:05
PP-ERT-7	1204027-05	Aqueous	04/12/2012 08:55	04/13/2012 13:05
PP-MW-1SP	1204027-06	Aqueous	04/11/2012 15:58	04/13/2012 13:05
PP-MW-5SP	1204027-07	Aqueous	04/11/2012 10:30	04/13/2012 13:05
PP-MW-66DP	1204027-08	Aqueous	04/11/2012 10:28	04/13/2012 13:05
PP-MW-6DP	1204027-09	Aqueous	04/11/2012 10:27	04/13/2012 13:05
PP-MW-6SP	1204027-10	Aqueous	04/11/2012 11:26	04/13/2012 13:05
PP-MW-6SS	1204027-11	Aqueous	04/11/2012 11:35	04/13/2012 13:05
PP-MW-8DP	1204027-12	Aqueous	04/10/2012 15:50	04/13/2012 13:05
PP-RB-01	1204027-13	Aqueous	04/10/2012 13:30	04/13/2012 13:05
PP-TB-01	1204027-14	Aqueous	04/10/2012 13:00	04/13/2012 13:05

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Project:Preferred Plating - 1204027

Project Number: 1204027

SUMMARY REPORT FOR METHODS

Analysis	Method	Certification	Matrix
E-VOA 524.2 TRACE/SF	EPA 524.2 / SOP DW-1		Aqueous

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-ERT-3			**Sample ID: 1204027-01**	
VOA-TRACE GCMS				
Dichlorodifluoromethane	---	U	0.50	ug/L
Chloromethane	---	U	0.50	ug/L
Vinyl Chloride	---	U	0.50	ug/L
Bromomethane	---	U L	0.50	ug/L
Chloroethane	---	U	0.50	ug/L
Trichlorofluoromethane	---	U	0.50	ug/L
1,1-Dichloroethene	---	U	0.50	ug/L
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L
Carbon Disulfide	---	U	0.50	ug/L
Acetone	---	U	5.0	ug/L
Methyl Acetate	---	U	0.50	ug/L
Methylene Chloride	---	U	0.50	ug/L
trans-1,2-Dichloroethene	---	U	0.50	ug/L
Methyl tert-Butyl Ether	---	U	0.50	ug/L
1,1-Dichloroethane	---	U	0.50	ug/L
cis-1,2-Dichloroethene	---	U	0.50	ug/L
2-Butanone	---	U	5.0	ug/L
Bromochloromethane	---	U	0.50	ug/L
Chloroform	---	U	0.50	ug/L
1,1,1-Trichloroethane	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-ERT-3			**Sample ID: 1204027-01**	
VOA-TRACE GCMS				
Cyclohexane	---	U	0.50	ug/L
Carbon Tetrachloride	---	U	0.50	ug/L
Benzene	---	U	0.50	ug/L
1,2-Dichloroethane	---	U	0.50	ug/L
Trichloroethene	---	U	0.50	ug/L
1,2-Dichloropropane	---	U	0.50	ug/L
Bromodichloromethane	---	U	0.50	ug/L
cis-1,3-Dichloropropene	---	U	0.50	ug/L
4-Methyl-2-Pentanone	---	U	0.50	ug/L
Toluene	---	U	0.50	ug/L
trans-1,3-Dichloropropene	---	U	0.50	ug/L
1,1,2-Trichloroethane	---	U	0.50	ug/L
Tetrachloroethene	---	U	0.50	ug/L
Methylcyclohexane	---	U	0.50	ug/L
Dibromochloromethane	---	U	0.50	ug/L
1,2-Dibromoethane	---	U	0.50	ug/L
2-Hexanone	---	U	0.50	ug/L
Chlorobenzene	---	U	0.50	ug/L
Ethylbenzene	---	U	0.50	ug/L
m/p-Xylene	---	U	0.50	ug/L
o-Xylene	---	U	0.50	ug/L
Styrene	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-ERT-3			**Sample ID: 1204027-01**	
VOA-TRACE GCMS				
Bromoform	---	U	0.50	ug/L
Isopropylbenzene	---	U	0.50	ug/L
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L
1,3-Dichlorobenzene	---	U	0.50	ug/L
1,4-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L
1,2,4-Trichlorobenzene	---	U	0.50	ug/L
1,2,3-Trichlorobenzene	---	U	0.50	ug/L
Field ID: PP-ERT-4			**Sample ID: 1204027-02**	
VOA-TRACE GCMS				
Dichlorodifluoromethane	---	U	0.50	ug/L
Chloromethane	---	U	0.50	ug/L
Vinyl Chloride	---	U	0.50	ug/L
Bromomethane	---	U	0.50	ug/L
Chloroethane	---	U	0.50	ug/L
Trichlorofluoromethane	---	U	0.50	ug/L
1,1-Dichloroethene	---	U	0.50	ug/L
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L
Carbon Disulfide	---	U	0.50	ug/L
Acetone	17		5.0	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-ERT-4				**Sample ID: 1204027-02**
VOA-TRACE GCMS				
Methyl Acetate	---	U	0.50	ug/L
Methylene Chloride	---	U	0.50	ug/L
trans-1,2-Dichloroethene	---	U	0.50	ug/L
Methyl tert-Butyl Ether	---	U	0.50	ug/L
1,1-Dichloroethane	---	U	0.50	ug/L
cis-1,2-Dichloroethene	---	U	0.50	ug/L
2-Butanone	---	U	5.0	ug/L
Bromochloromethane	---	U	0.50	ug/L
Chloroform	---	U	0.50	ug/L
1,1,1-Trichloroethane	---	U	0.50	ug/L
Cyclohexane	---	U	0.50	ug/L
Carbon Tetrachloride	---	U	0.50	ug/L
Benzene	---	U	0.50	ug/L
1,2-Dichloroethane	---	U	0.50	ug/L
Trichloroethene	---	U	0.50	ug/L
1,2-Dichloropropane	---	U	0.50	ug/L
Bromodichloromethane	---	U	0.50	ug/L
cis-1,3-Dichloropropene	---	U	0.50	ug/L
4-Methyl-2-Pentanone	---	U	0.50	ug/L
Toluene	15		0.50	ug/L
trans-1,3-Dichloropropene	---	U	0.50	ug/L
1,1,2-Trichloroethane	---	U	0.50	ug/L

Project: Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-ERT-4				**Sample ID: 1204027-02**
VOA-TRACE GCMS				
Tetrachloroethene	---	U	0.50	ug/L
Methylcyclohexane	---	U	0.50	ug/L
Dibromochloromethane	---	U	0.50	ug/L
1,2-Dibromoethane	---	U	0.50	ug/L
2-Hexanone	---	U	0.50	ug/L
Chlorobenzene	---	U	0.50	ug/L
Ethylbenzene	---	U	0.50	ug/L
m/p-Xylene	0.82		0.50	ug/L
o-Xylene	---	U	0.50	ug/L
Styrene	---	U	0.50	ug/L
Bromoform	---	U	0.50	ug/L
Isopropylbenzene	---	U	0.50	ug/L
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L
1,3-Dichlorobenzene	---	U	0.50	ug/L
1,4-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L
1,2,4-Trichlorobenzene	---	U	0.50	ug/L
1,2,3-Trichlorobenzene	---	U	0.50	ug/L
Field ID: PP-ERT-5				**Sample ID: 1204027-03**
VOA-TRACE GCMS				

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-ERT-5				**Sample ID: 1204027-03**
VOA-TRACE GCMS				
Dichlorodifluoromethane	---	U	0.50	ug/L
Chloromethane	---	U	0.50	ug/L
Vinyl Chloride	---	U	0.50	ug/L
Bromomethane	---	U	0.50	ug/L
Chloroethane	---	U	0.50	ug/L
Trichlorofluoromethane	---	U	0.50	ug/L
1,1-Dichloroethene	---	U	0.50	ug/L
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L
Carbon Disulfide	---	U	0.50	ug/L
Acetone	---	U	5.0	ug/L
Methyl Acetate	---	U	0.50	ug/L
Methylene Chloride	---	U	0.50	ug/L
trans-1,2-Dichloroethene	---	U	0.50	ug/L
Methyl tert-Butyl Ether	---	U	0.50	ug/L
1,1-Dichloroethane	---	U	0.50	ug/L
cis-1,2-Dichloroethene	---	U	0.50	ug/L
2-Butanone	---	U	5.0	ug/L
Bromochloromethane	---	U	0.50	ug/L
Chloroform	---	U	0.50	ug/L
1,1,1-Trichloroethane	---	U	0.50	ug/L
Cyclohexane	---	U	0.50	ug/L
Carbon Tetrachloride	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-ERT-5			**Sample ID: 1204027-03**	
VOA-TRACE GCMS				
Benzene	---	U	0.50	ug/L
1,2-Dichloroethane	---	U	0.50	ug/L
Trichloroethene	---	U	0.50	ug/L
1,2-Dichloropropane	---	U	0.50	ug/L
Bromodichloromethane	---	U	0.50	ug/L
cis-1,3-Dichloropropene	---	U	0.50	ug/L
4-Methyl-2-Pentanone	---	U	0.50	ug/L
Toluene	---	U	0.50	ug/L
trans-1,3-Dichloropropene	---	U	0.50	ug/L
1,1,2-Trichloroethane	---	U	0.50	ug/L
Tetrachloroethene	---	U	0.50	ug/L
Methylcyclohexane	---	U	0.50	ug/L
Dibromochloromethane	---	U	0.50	ug/L
1,2-Dibromoethane	---	U	0.50	ug/L
2-Hexanone	---	U	0.50	ug/L
Chlorobenzene	---	U	0.50	ug/L
Ethylbenzene	---	U	0.50	ug/L
m/p-Xylene	---	U	0.50	ug/L
o-Xylene	---	U	0.50	ug/L
Styrene	---	U	0.50	ug/L
Bromoform	---	U	0.50	ug/L
Isopropylbenzene	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-ERT-5				**Sample ID: 1204027-03**
VOA-TRACE GCMS				
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L
1,3-Dichlorobenzene	---	U	0.50	ug/L
1,4-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L
1,2,4-Trichlorobenzene	---	U	0.50	ug/L
1,2,3-Trichlorobenzene	---	U	0.50	ug/L
Field ID: PP-ERT-6				**Sample ID: 1204027-04**
VOA-TRACE GCMS				
Dichlorodifluoromethane	---	U	0.50	ug/L
Chloromethane	---	U	0.50	ug/L
Vinyl Chloride	---	U	0.50	ug/L
Bromomethane	---	U	0.50	ug/L
Chloroethane	---	U	0.50	ug/L
Trichlorofluoromethane	---	U	0.50	ug/L
1,1-Dichloroethene	---	U	0.50	ug/L
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L
Carbon Disulfide	---	U	0.50	ug/L
Acetone	---	U	5.0	ug/L
Methyl Acetate	---	U	0.50	ug/L
Methylene Chloride	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-ERT-6			**Sample ID: 1204027-04**	
VOA-TRACE GCMS				
trans-1,2-Dichloroethene	---	U	0.50	ug/L
Methyl tert-Butyl Ether	---	U	0.50	ug/L
1,1-Dichloroethane	---	U	0.50	ug/L
cis-1,2-Dichloroethene	---	U	0.50	ug/L
2-Butanone	---	U	5.0	ug/L
Bromochloromethane	---	U	0.50	ug/L
Chloroform	---	U	0.50	ug/L
1,1,1-Trichloroethane	---	U	0.50	ug/L
Cyclohexane	---	U	0.50	ug/L
Carbon Tetrachloride	---	U	0.50	ug/L
Benzene	---	U	0.50	ug/L
1,2-Dichloroethane	---	U	0.50	ug/L
Trichloroethene	---	U	0.50	ug/L
1,2-Dichloropropane	---	U	0.50	ug/L
Bromodichloromethane	---	U	0.50	ug/L
cis-1,3-Dichloropropene	---	U	0.50	ug/L
4-Methyl-2-Pentanone	---	U	0.50	ug/L
Toluene	---	U	0.50	ug/L
trans-1,3-Dichloropropene	---	U	0.50	ug/L
1,1,2-Trichloroethane	---	U	0.50	ug/L
Tetrachloroethene	---	U	0.50	ug/L
Methylcyclohexane	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-ERT-6				**Sample ID: 1204027-04**
VOA-TRACE GCMS				
Dibromochloromethane	---	U	0.50	ug/L
1,2-Dibromoethane	---	U	0.50	ug/L
2-Hexanone	---	U	0.50	ug/L
Chlorobenzene	---	U	0.50	ug/L
Ethylbenzene	---	U	0.50	ug/L
m/p-Xylene	---	U	0.50	ug/L
o-Xylene	---	U	0.50	ug/L
Styrene	---	U	0.50	ug/L
Bromoform	---	U	0.50	ug/L
Isopropylbenzene	---	U	0.50	ug/L
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L
1,3-Dichlorobenzene	---	U	0.50	ug/L
1,4-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L
1,2,4-Trichlorobenzene	---	U	0.50	ug/L
1,2,3-Trichlorobenzene	---	U	0.50	ug/L
Field ID: PP-ERT-7				**Sample ID: 1204027-05**
VOA-TRACE GCMS				
Dichlorodifluoromethane	---	U	0.50	ug/L
Chloromethane	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-ERT-7				**Sample ID: 1204027-05**
VOA-TRACE GCMS				
Vinyl Chloride	---	U	0.50	ug/L
Bromomethane	---	U	0.50	ug/L
Chloroethane	---	U	0.50	ug/L
Trichlorofluoromethane	---	U	0.50	ug/L
1,1-Dichloroethene	---	U	0.50	ug/L
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L
Carbon Disulfide	---	U	0.50	ug/L
Acetone	---	U	5.0	ug/L
Methyl Acetate	---	U	0.50	ug/L
Methylene Chloride	---	U	0.50	ug/L
trans-1,2-Dichloroethene	---	U	0.50	ug/L
Methyl tert-Butyl Ether	---	U	0.50	ug/L
1,1-Dichloroethane	---	U	0.50	ug/L
cis-1,2-Dichloroethene	---	U	0.50	ug/L
2-Butanone	---	U	5.0	ug/L
Bromochloromethane	---	U	0.50	ug/L
Chloroform	---	U	0.50	ug/L
1,1,1-Trichloroethane	---	U	0.50	ug/L
Cyclohexane	---	U	0.50	ug/L
Carbon Tetrachloride	---	U	0.50	ug/L
Benzene	---	U	0.50	ug/L
1,2-Dichloroethane	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-ERT-7				**Sample ID: 1204027-05**
VOA-TRACE GCMS				
Trichloroethene	---	U	0.50	ug/L
1,2-Dichloropropane	---	U	0.50	ug/L
Bromodichloromethane	---	U	0.50	ug/L
cis-1,3-Dichloropropene	---	U	0.50	ug/L
4-Methyl-2-Pentanone	---	U	0.50	ug/L
Toluene	---	U	0.50	ug/L
trans-1,3-Dichloropropene	---	U	0.50	ug/L
1,1,2-Trichloroethane	---	U	0.50	ug/L
Tetrachloroethene	---	U	0.50	ug/L
Methylcyclohexane	---	U	0.50	ug/L
Dibromochloromethane	---	U	0.50	ug/L
1,2-Dibromoethane	---	U	0.50	ug/L
2-Hexanone	---	U	0.50	ug/L
Chlorobenzene	---	U	0.50	ug/L
Ethylbenzene	---	U	0.50	ug/L
m/p-Xylene	---	U	0.50	ug/L
o-Xylene	---	U	0.50	ug/L
Styrene	---	U	0.50	ug/L
Bromoform	---	U	0.50	ug/L
Isopropylbenzene	---	U	0.50	ug/L
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L
1,3-Dichlorobenzene	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-ERT-7				**Sample ID: 1204027-05**
VOA-TRACE GCMS				
1,4-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L
1,2,4-Trichlorobenzene	---	U	0.50	ug/L
1,2,3-Trichlorobenzene	---	U	0.50	ug/L
Field ID: PP-MW-1SP				**Sample ID: 1204027-06**
VOA-TRACE GCMS				
Dichlorodifluoromethane	---	U	0.50	ug/L
Chloromethane	---	U	0.50	ug/L
Vinyl Chloride	---	U	0.50	ug/L
Bromomethane	---	U	0.50	ug/L
Chloroethane	---	U	0.50	ug/L
Trichlorofluoromethane	---	U	0.50	ug/L
1,1-Dichloroethene	---	U	0.50	ug/L
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L
Carbon Disulfide	---	U	0.50	ug/L
Acetone	7.5		5.0	ug/L
Methyl Acetate	---	U	0.50	ug/L
Methylene Chloride	---	U	0.50	ug/L
trans-1,2-Dichloroethene	---	U	0.50	ug/L
Methyl tert-Butyl Ether	---	U	0.50	ug/L

Project: Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-MW-1SP				**Sample ID: 1204027-06**
VOA-TRACE GCMS				
1,1-Dichloroethane	---	U	0.50	ug/L
cis-1,2-Dichloroethene	---	U	0.50	ug/L
2-Butanone	---	U	5.0	ug/L
Bromochloromethane	---	U	0.50	ug/L
Chloroform	---	U	0.50	ug/L
1,1,1-Trichloroethane	---	U	0.50	ug/L
Cyclohexane	---	U	0.50	ug/L
Carbon Tetrachloride	---	U	0.50	ug/L
Benzene	---	U	0.50	ug/L
1,2-Dichloroethane	---	U	0.50	ug/L
Trichloroethene	---	U	0.50	ug/L
1,2-Dichloropropane	---	U	0.50	ug/L
Bromodichloromethane	---	U	0.50	ug/L
cis-1,3-Dichloropropene	---	U	0.50	ug/L
4-Methyl-2-Pentanone	---	U	0.50	ug/L
Toluene	1.0		0.50	ug/L
trans-1,3-Dichloropropene	---	U	0.50	ug/L
1,1,2-Trichloroethane	---	U	0.50	ug/L
Tetrachloroethene	---	U	0.50	ug/L
Methylcyclohexane	---	U	0.50	ug/L
Dibromochloromethane	---	U	0.50	ug/L
1,2-Dibromoethane	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-MW-1SP				**Sample ID: 1204027-06**
VOA-TRACE GCMS				
2-Hexanone	---	U	0.50	ug/L
Chlorobenzene	---	U	0.50	ug/L
Ethylbenzene	---	U	0.50	ug/L
m/p-Xylene	---	U	0.50	ug/L
o-Xylene	---	U	0.50	ug/L
Styrene	---	U	0.50	ug/L
Bromoform	---	U	0.50	ug/L
Isopropylbenzene	---	U	0.50	ug/L
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L
1,3-Dichlorobenzene	---	U	0.50	ug/L
1,4-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L
1,2,4-Trichlorobenzene	---	U	0.50	ug/L
1,2,3-Trichlorobenzene	---	U	0.50	ug/L
Field ID: PP-MW-5SP				**Sample ID: 1204027-07**
VOA-TRACE GCMS				
Dichlorodifluoromethane	---	U	0.50	ug/L
Chloromethane	---	U	0.50	ug/L
Vinyl Chloride	---	U	0.50	ug/L
Bromomethane	---	U L	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-MW-5SP				**Sample ID: 1204027-07**
VOA-TRACE GCMS				
Chloroethane	---	U	0.50	ug/L
Trichlorofluoromethane	---	U	0.50	ug/L
1,1-Dichloroethene	---	U	0.50	ug/L
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L
Carbon Disulfide	---	U	0.50	ug/L
Acetone	---	U	5.0	ug/L
Methyl Acetate	---	U	0.50	ug/L
Methylene Chloride	---	U	0.50	ug/L
trans-1,2-Dichloroethene	---	U	0.50	ug/L
Methyl tert-Butyl Ether	---	U	0.50	ug/L
1,1-Dichloroethane	---	U	0.50	ug/L
cis-1,2-Dichloroethene	---	U	0.50	ug/L
2-Butanone	---	U	5.0	ug/L
Bromochloromethane	---	U	0.50	ug/L
Chloroform	---	U	0.50	ug/L
1,1,1-Trichloroethane	---	U	0.50	ug/L
Cyclohexane	---	U	0.50	ug/L
Carbon Tetrachloride	---	U	0.50	ug/L
Benzene	---	U	0.50	ug/L
1,2-Dichloroethane	---	U	0.50	ug/L
Trichloroethene	---	U	0.50	ug/L
1,2-Dichloropropane	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-MW-5SP				**Sample ID: 1204027-07**
VOA-TRACE GCMS				
Bromodichloromethane	---	U	0.50	ug/L
cis-1,3-Dichloropropene	---	U	0.50	ug/L
4-Methyl-2-Pentanone	---	U	0.50	ug/L
Toluene	---	U	0.50	ug/L
trans-1,3-Dichloropropene	---	U	0.50	ug/L
1,1,2-Trichloroethane	---	U	0.50	ug/L
Tetrachloroethene	---	U	0.50	ug/L
Methylcyclohexane	---	U	0.50	ug/L
Dibromochloromethane	---	U	0.50	ug/L
1,2-Dibromoethane	---	U	0.50	ug/L
2-Hexanone	---	U	0.50	ug/L
Chlorobenzene	---	U	0.50	ug/L
Ethylbenzene	---	U	0.50	ug/L
m/p-Xylene	---	U	0.50	ug/L
o-Xylene	---	U	0.50	ug/L
Styrene	---	U	0.50	ug/L
Bromoform	---	U	0.50	ug/L
Isopropylbenzene	---	U	0.50	ug/L
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L
1,3-Dichlorobenzene	---	U	0.50	ug/L
1,4-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dichlorobenzene	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-MW-5SP				**Sample ID: 1204027-07**
VOA-TRACE GCMS				
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L
1,2,4-Trichlorobenzene	---	U	0.50	ug/L
1,2,3-Trichlorobenzene	---	U	0.50	ug/L
Field ID: PP-MW-66DP				**Sample ID: 1204027-08**
VOA-TRACE GCMS				
Dichlorodifluoromethane	---	U	0.50	ug/L
Chloromethane	---	U	0.50	ug/L
Vinyl Chloride	---	U	0.50	ug/L
Bromomethane	---	U	0.50	ug/L
Chloroethane	---	U	0.50	ug/L
Trichlorofluoromethane	---	U	0.50	ug/L
1,1-Dichloroethene	---	U	0.50	ug/L
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L
Carbon Disulfide	---	U	0.50	ug/L
Acetone	---	U	5.0	ug/L
Methyl Acetate	---	U	0.50	ug/L
Methylene Chloride	---	U	0.50	ug/L
trans-1,2-Dichloroethene	---	U	0.50	ug/L
Methyl tert-Butyl Ether	---	U	0.50	ug/L
1,1-Dichloroethane	---	U	0.50	ug/L
cis-1,2-Dichloroethene	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-MW-66DP				**Sample ID: 1204027-08**
VOA-TRACE GCMS				
2-Butanone	---	U	5.0	ug/L
Bromochloromethane	---	U	0.50	ug/L
Chloroform	---	U	0.50	ug/L
1,1,1-Trichloroethane	---	U	0.50	ug/L
Cyclohexane	---	U	0.50	ug/L
Carbon Tetrachloride	---	U	0.50	ug/L
Benzene	---	U	0.50	ug/L
1,2-Dichloroethane	---	U	0.50	ug/L
Trichloroethene	---	U	0.50	ug/L
1,2-Dichloropropane	---	U	0.50	ug/L
Bromodichloromethane	---	U	0.50	ug/L
cis-1,3-Dichloropropene	---	U	0.50	ug/L
4-Methyl-2-Pentanone	---	U	0.50	ug/L
Toluene	---	U	0.50	ug/L
trans-1,3-Dichloropropene	---	U	0.50	ug/L
1,1,2-Trichloroethane	---	U	0.50	ug/L
Tetrachloroethene	---	U	0.50	ug/L
Methylcyclohexane	---	U	0.50	ug/L
Dibromochloromethane	---	U	0.50	ug/L
1,2-Dibromoethane	---	U	0.50	ug/L
2-Hexanone	---	U	0.50	ug/L
Chlorobenzene	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-MW-66DP				**Sample ID: 1204027-08**
VOA-TRACE GCMS				
Ethylbenzene	---	U	0.50	ug/L
m/p-Xylene	---	U	0.50	ug/L
o-Xylene	---	U	0.50	ug/L
Styrene	---	U	0.50	ug/L
Bromoform	---	U	0.50	ug/L
Isopropylbenzene	---	U	0.50	ug/L
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L
1,3-Dichlorobenzene	---	U	0.50	ug/L
1,4-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L
1,2,4-Trichlorobenzene	---	U	0.50	ug/L
1,2,3-Trichlorobenzene	---	U	0.50	ug/L
Field ID: PP-MW-6DP				**Sample ID: 1204027-09**
VOA-TRACE GCMS				
Dichlorodifluoromethane	---	U	0.50	ug/L
Chloromethane	---	U	0.50	ug/L
Vinyl Chloride	---	U	0.50	ug/L
Bromomethane	---	U	0.50	ug/L
Chloroethane	---	U	0.50	ug/L
Trichlorofluoromethane	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-MW-6DP				**Sample ID: 1204027-09**
VOA-TRACE GCMS				
1,1-Dichloroethene	---	U	0.50	ug/L
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L
Carbon Disulfide	---	U	0.50	ug/L
Acetone	---	U	5.0	ug/L
Methyl Acetate	---	U	0.50	ug/L
Methylene Chloride	---	U	0.50	ug/L
trans-1,2-Dichloroethene	---	U	0.50	ug/L
Methyl tert-Butyl Ether	---	U	0.50	ug/L
1,1-Dichloroethane	---	U	0.50	ug/L
cis-1,2-Dichloroethene	---	U	0.50	ug/L
2-Butanone	---	U	5.0	ug/L
Bromochloromethane	---	U	0.50	ug/L
Chloroform	---	U	0.50	ug/L
1,1,1-Trichloroethane	---	U	0.50	ug/L
Cyclohexane	---	U	0.50	ug/L
Carbon Tetrachloride	---	U	0.50	ug/L
Benzene	---	U	0.50	ug/L
1,2-Dichloroethane	---	U	0.50	ug/L
Trichloroethene	---	U	0.50	ug/L
1,2-Dichloropropane	---	U	0.50	ug/L
Bromodichloromethane	---	U	0.50	ug/L
cis-1,3-Dichloropropene	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-MW-6DP				**Sample ID: 1204027-09**
VOA-TRACE GCMS				
4-Methyl-2-Pentanone	---	U	0.50	ug/L
Toluene	---	U	0.50	ug/L
trans-1,3-Dichloropropene	---	U	0.50	ug/L
1,1,2-Trichloroethane	---	U	0.50	ug/L
Tetrachloroethene	---	U	0.50	ug/L
Methylcyclohexane	---	U	0.50	ug/L
Dibromochloromethane	---	U	0.50	ug/L
1,2-Dibromoethane	---	U	0.50	ug/L
2-Hexanone	---	U	0.50	ug/L
Chlorobenzene	---	U	0.50	ug/L
Ethylbenzene	---	U	0.50	ug/L
m/p-Xylene	---	U	0.50	ug/L
o-Xylene	---	U	0.50	ug/L
Styrene	---	U	0.50	ug/L
Bromoform	---	U	0.50	ug/L
Isopropylbenzene	---	U	0.50	ug/L
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L
1,3-Dichlorobenzene	---	U	0.50	ug/L
1,4-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L
1,2,4-Trichlorobenzene	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-MW-6DP				**Sample ID: 1204027-09**
VOA-TRACE GCMS				
1,2,3-Trichlorobenzene	---	U	0.50	ug/L
Field ID: PP-MW-6SP				**Sample ID: 1204027-10**
VOA-TRACE GCMS				
Dichlorodifluoromethane	---	U	0.50	ug/L
Chloromethane	---	U	0.50	ug/L
Vinyl Chloride	---	U	0.50	ug/L
Bromomethane	---	U	0.50	ug/L
Chloroethane	---	U	0.50	ug/L
Trichlorofluoromethane	---	U	0.50	ug/L
1,1-Dichloroethene	---	U	0.50	ug/L
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L
Carbon Disulfide	---	U	0.50	ug/L
Acetone	---	U	5.0	ug/L
Methyl Acetate	---	U	0.50	ug/L
Methylene Chloride	---	U	0.50	ug/L
trans-1,2-Dichloroethene	---	U	0.50	ug/L
Methyl tert-Butyl Ether	---	U	0.50	ug/L
1,1-Dichloroethane	---	U	0.50	ug/L
cis-1,2-Dichloroethene	---	U	0.50	ug/L
2-Butanone	---	U	5.0	ug/L
Bromochloromethane	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-MW-6SP				**Sample ID: 1204027-10**
VOA-TRACE GCMS				
Chloroform	---	U	0.50	ug/L
1,1,1-Trichloroethane	---	U	0.50	ug/L
Cyclohexane	---	U	0.50	ug/L
Carbon Tetrachloride	---	U	0.50	ug/L
Benzene	---	U	0.50	ug/L
1,2-Dichloroethane	---	U	0.50	ug/L
Trichloroethene	---	U	0.50	ug/L
1,2-Dichloropropane	---	U	0.50	ug/L
Bromodichloromethane	---	U	0.50	ug/L
cis-1,3-Dichloropropene	---	U	0.50	ug/L
4-Methyl-2-Pentanone	---	U	0.50	ug/L
Toluene	---	U	0.50	ug/L
trans-1,3-Dichloropropene	---	U	0.50	ug/L
1,1,2-Trichloroethane	---	U	0.50	ug/L
Tetrachloroethene	---	U	0.50	ug/L
Methylcyclohexane	---	U	0.50	ug/L
Dibromochloromethane	---	U	0.50	ug/L
1,2-Dibromoethane	---	U	0.50	ug/L
2-Hexanone	---	U	0.50	ug/L
Chlorobenzene	---	U	0.50	ug/L
Ethylbenzene	---	U	0.50	ug/L
m/p-Xylene	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-MW-6SP				**Sample ID: 1204027-10**
VOA-TRACE GCMS				
o-Xylene	---	U	0.50	ug/L
Styrene	---	U	0.50	ug/L
Bromoform	---	U	0.50	ug/L
Isopropylbenzene	---	U	0.50	ug/L
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L
1,3-Dichlorobenzene	---	U	0.50	ug/L
1,4-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L
1,2,4-Trichlorobenzene	---	U	0.50	ug/L
1,2,3-Trichlorobenzene	---	U	0.50	ug/L
Field ID: PP-MW-6SS				**Sample ID: 1204027-11**
VOA-TRACE GCMS				
Dichlorodifluoromethane	---	U	0.50	ug/L
Chloromethane	---	U	0.50	ug/L
Vinyl Chloride	---	U	0.50	ug/L
Bromomethane	---	U	0.50	ug/L
Chloroethane	---	U	0.50	ug/L
Trichlorofluoromethane	---	U	0.50	ug/L
1,1-Dichloroethene	---	U	0.50	ug/L
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-MW-6SS				**Sample ID: 1204027-11**
VOA-TRACE GCMS				
Carbon Disulfide	---	U	0.50	ug/L
Acetone	---	U	5.0	ug/L
Methyl Acetate	---	U	0.50	ug/L
Methylene Chloride	---	U	0.50	ug/L
trans-1,2-Dichloroethene	---	U	0.50	ug/L
Methyl tert-Butyl Ether	---	U	0.50	ug/L
1,1-Dichloroethane	---	U	0.50	ug/L
cis-1,2-Dichloroethene	---	U	0.50	ug/L
2-Butanone	---	U	5.0	ug/L
Bromochloromethane	---	U	0.50	ug/L
Chloroform	---	U	0.50	ug/L
1,1,1-Trichloroethane	---	U	0.50	ug/L
Cyclohexane	---	U	0.50	ug/L
Carbon Tetrachloride	---	U	0.50	ug/L
Benzene	---	U	0.50	ug/L
1,2-Dichloroethane	---	U	0.50	ug/L
Trichloroethene	---	U	0.50	ug/L
1,2-Dichloropropane	---	U	0.50	ug/L
Bromodichloromethane	---	U	0.50	ug/L
cis-1,3-Dichloropropene	---	U	0.50	ug/L
4-Methyl-2-Pentanone	---	U	0.50	ug/L
Toluene	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-MW-6SS			**Sample ID: 1204027-11**	
VOA-TRACE GCMS				
trans-1,3-Dichloropropene	---	U	0.50	ug/L
1,1,2-Trichloroethane	---	U	0.50	ug/L
Tetrachloroethene	---	U	0.50	ug/L
Methylcyclohexane	---	U	0.50	ug/L
Dibromochloromethane	---	U	0.50	ug/L
1,2-Dibromoethane	---	U	0.50	ug/L
2-Hexanone	---	U	0.50	ug/L
Chlorobenzene	---	U	0.50	ug/L
Ethylbenzene	---	U	0.50	ug/L
m/p-Xylene	---	U	0.50	ug/L
o-Xylene	---	U	0.50	ug/L
Styrene	---	U	0.50	ug/L
Bromoform	---	U	0.50	ug/L
Isopropylbenzene	---	U	0.50	ug/L
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L
1,3-Dichlorobenzene	---	U	0.50	ug/L
1,4-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L
1,2,4-Trichlorobenzene	---	U	0.50	ug/L
1,2,3-Trichlorobenzene	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-MW-8DP				**Sample ID: 1204027-12**
VOA-TRACE GCMS				
Dichlorodifluoromethane	---	U	0.50	ug/L
Chloromethane	---	U	0.50	ug/L
Vinyl Chloride	---	U	0.50	ug/L
Bromomethane	---	U	0.50	ug/L
Chloroethane	---	U	0.50	ug/L
Trichlorofluoromethane	---	U	0.50	ug/L
1,1-Dichloroethene	---	U	0.50	ug/L
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L
Carbon Disulfide	---	U	0.50	ug/L
Acetone	---	U	5.0	ug/L
Methyl Acetate	---	U	0.50	ug/L
Methylene Chloride	---	U	0.50	ug/L
trans-1,2-Dichloroethene	---	U	0.50	ug/L
Methyl tert-Butyl Ether	---	U	0.50	ug/L
1,1-Dichloroethane	---	U	0.50	ug/L
cis-1,2-Dichloroethene	---	U	0.50	ug/L
2-Butanone	---	U	5.0	ug/L
Bromochloromethane	---	U	0.50	ug/L
Chloroform	---	U	0.50	ug/L
1,1,1-Trichloroethane	---	U	0.50	ug/L
Cyclohexane	---	U	0.50	ug/L
Carbon Tetrachloride	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-MW-8DP			**Sample ID: 1204027-12**	
VOA-TRACE GCMS				
Benzene	---	U	0.50	ug/L
1,2-Dichloroethane	---	U	0.50	ug/L
Trichloroethene	---	U	0.50	ug/L
1,2-Dichloropropane	---	U	0.50	ug/L
Bromodichloromethane	---	U	0.50	ug/L
cis-1,3-Dichloropropene	---	U	0.50	ug/L
4-Methyl-2-Pentanone	---	U	0.50	ug/L
Toluene	---	U	0.50	ug/L
trans-1,3-Dichloropropene	---	U	0.50	ug/L
1,1,2-Trichloroethane	---	U	0.50	ug/L
Tetrachloroethene	---	U	0.50	ug/L
Methylcyclohexane	---	U	0.50	ug/L
Dibromochloromethane	---	U	0.50	ug/L
1,2-Dibromoethane	---	U	0.50	ug/L
2-Hexanone	---	U	0.50	ug/L
Chlorobenzene	---	U	0.50	ug/L
Ethylbenzene	---	U	0.50	ug/L
m/p-Xylene	---	U	0.50	ug/L
o-Xylene	---	U	0.50	ug/L
Styrene	---	U	0.50	ug/L
Bromoform	---	U	0.50	ug/L
Isopropylbenzene	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-MW-8DP				**Sample ID: 1204027-12**
VOA-TRACE GCMS				
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L
1,3-Dichlorobenzene	---	U	0.50	ug/L
1,4-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L
1,2,4-Trichlorobenzene	---	U	0.50	ug/L
1,2,3-Trichlorobenzene	---	U	0.50	ug/L
Field ID: PP-RB-01				**Sample ID: 1204027-13**
VOA-TRACE GCMS				
Dichlorodifluoromethane	---	U	0.50	ug/L
Chloromethane	---	U	0.50	ug/L
Vinyl Chloride	---	U	0.50	ug/L
Bromomethane	---	U L	0.50	ug/L
Chloroethane	---	U	0.50	ug/L
Trichlorofluoromethane	---	U	0.50	ug/L
1,1-Dichloroethene	---	U	0.50	ug/L
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L
Carbon Disulfide	---	U	0.50	ug/L
Acetone	---	U	5.0	ug/L
Methyl Acetate	---	U	0.50	ug/L
Methylene Chloride	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-RB-01			**Sample ID: 1204027-13**	
VOA-TRACE GCMS				
trans-1,2-Dichloroethene	---	U	0.50	ug/L
Methyl tert-Butyl Ether	---	U	0.50	ug/L
1,1-Dichloroethane	---	U	0.50	ug/L
cis-1,2-Dichloroethene	---	U	0.50	ug/L
2-Butanone	---	U	5.0	ug/L
Bromochloromethane	---	U	0.50	ug/L
Chloroform	---	U	0.50	ug/L
1,1,1-Trichloroethane	---	U	0.50	ug/L
Cyclohexane	---	U	0.50	ug/L
Carbon Tetrachloride	---	U	0.50	ug/L
Benzene	---	U	0.50	ug/L
1,2-Dichloroethane	---	U	0.50	ug/L
Trichloroethene	---	U	0.50	ug/L
1,2-Dichloropropane	---	U	0.50	ug/L
Bromodichloromethane	---	U	0.50	ug/L
cis-1,3-Dichloropropene	---	U	0.50	ug/L
4-Methyl-2-Pentanone	---	U	0.50	ug/L
Toluene	---	U	0.50	ug/L
trans-1,3-Dichloropropene	---	U	0.50	ug/L
1,1,2-Trichloroethane	---	U	0.50	ug/L
Tetrachloroethene	---	U	0.50	ug/L
Methylcyclohexane	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-RB-01				**Sample ID: 1204027-13**
VOA-TRACE GCMS				
Dibromochloromethane	---	U	0.50	ug/L
1,2-Dibromoethane	---	U	0.50	ug/L
2-Hexanone	---	U	0.50	ug/L
Chlorobenzene	---	U	0.50	ug/L
Ethylbenzene	---	U	0.50	ug/L
m/p-Xylene	---	U	0.50	ug/L
o-Xylene	---	U	0.50	ug/L
Styrene	---	U	0.50	ug/L
Bromoform	---	U	0.50	ug/L
Isopropylbenzene	---	U	0.50	ug/L
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L
1,3-Dichlorobenzene	---	U	0.50	ug/L
1,4-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L
1,2,4-Trichlorobenzene	---	U	0.50	ug/L
1,2,3-Trichlorobenzene	---	U	0.50	ug/L
Field ID: PP-TB-01				**Sample ID: 1204027-14**
VOA-TRACE GCMS				
Dichlorodifluoromethane	---	U	0.50	ug/L
Chloromethane	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-TB-01			**Sample ID: 1204027-14**	
VOA-TRACE GCMS				
Vinyl Chloride	---	U	0.50	ug/L
Bromomethane	---	U L	0.50	ug/L
Chloroethane	---	U	0.50	ug/L
Trichlorofluoromethane	---	U	0.50	ug/L
1,1-Dichloroethene	---	U	0.50	ug/L
1,1,2-Trichloro-1,2,2-Trifluoroethane	---	U	0.50	ug/L
Carbon Disulfide	---	U	0.50	ug/L
Acetone	---	U	5.0	ug/L
Methyl Acetate	---	U	0.50	ug/L
Methylene Chloride	---	U	0.50	ug/L
trans-1,2-Dichloroethene	---	U	0.50	ug/L
Methyl tert-Butyl Ether	---	U	0.50	ug/L
1,1-Dichloroethane	---	U	0.50	ug/L
cis-1,2-Dichloroethene	---	U	0.50	ug/L
2-Butanone	---	U	5.0	ug/L
Bromochloromethane	---	U	0.50	ug/L
Chloroform	---	U	0.50	ug/L
1,1,1-Trichloroethane	---	U	0.50	ug/L
Cyclohexane	---	U	0.50	ug/L
Carbon Tetrachloride	---	U	0.50	ug/L
Benzene	---	U	0.50	ug/L
1,2-Dichloroethane	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-TB-01			**Sample ID: 1204027-14**	
VOA-TRACE GCMS				
Trichloroethene	---	U	0.50	ug/L
1,2-Dichloropropane	---	U	0.50	ug/L
Bromodichloromethane	---	U	0.50	ug/L
cis-1,3-Dichloropropene	---	U	0.50	ug/L
4-Methyl-2-Pentanone	---	U	0.50	ug/L
Toluene	---	U	0.50	ug/L
trans-1,3-Dichloropropene	---	U	0.50	ug/L
1,1,2-Trichloroethane	---	U	0.50	ug/L
Tetrachloroethene	---	U	0.50	ug/L
Methylcyclohexane	---	U	0.50	ug/L
Dibromochloromethane	---	U	0.50	ug/L
1,2-Dibromoethane	---	U	0.50	ug/L
2-Hexanone	---	U	0.50	ug/L
Chlorobenzene	---	U	0.50	ug/L
Ethylbenzene	---	U	0.50	ug/L
m/p-Xylene	---	U	0.50	ug/L
o-Xylene	---	U	0.50	ug/L
Styrene	---	U	0.50	ug/L
Bromoform	---	U	0.50	ug/L
Isopropylbenzene	---	U	0.50	ug/L
1,1,2,2-Tetrachloroethane	---	U	0.50	ug/L
1,3-Dichlorobenzene	---	U	0.50	ug/L

Project:Preferred Plating - 1204027

Project Number: 1204027

Analyte	Result	Qualifier	Reporting Limit	Units
Field ID: PP-TB-01			**Sample ID: 1204027-14**	
VOA-TRACE GCMS				
1,4-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dichlorobenzene	---	U	0.50	ug/L
1,2-Dibromo-3-Chloropropane	---	U	0.50	ug/L
1,2,4-Trichlorobenzene	---	U	0.50	ug/L
1,2,3-Trichlorobenzene	---	U	0.50	ug/L