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Civil and Environmental Engineering

May 1, 2017 ***** VIA E-MAIL: michael.belveg@dec.ny.gov *****

Mr. Michael Belveg
Environmental Engineer I
NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation, Region 7
615 Erie Boulevard West
Syracuse, New York 13204-2400

RE: Former National Plating Site
1501 Brewerton Road
Town of Salina, Onondaga County, New York
DEC Site No. V00264
Project No. 2010150

Dear Mr. Belveg:

A soil vapor intrusion (SVI) investigation has been completed at the above-referenced site, consistent with the March 2017 *Soil Vapor Intrusion Investigation Work Plan* (copy attached) approved by the New York State Department of Environmental Conservation (DEC) on March 22, 2017. The investigation included the following:

- Collection of two sub-slab vapor samples inside the former National Plating building to assess potential soil vapor intrusion. One air sample was also collected inside the building and one air sample was collected outside, between the onsite building and the adjacent building to the north.

- Installation of a soil vapor probe in the paved surface north of the former National Plating building, immediately adjacent to the boundary with Paratore Signs. The work plan

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proposed the collection of two sub-slab/ vapor samples and one indoor air sample from inside the Paratore Signs, located immediately to the north, to assess potential soil vapor intrusion. However, when contacted for permission, the building owner declined having the sampling conducted.

- Installation of one soil vapor probe along the eastern property line at a location closest to the remediated area to assess soil vapor conditions east of the former National Plating facility.

Refer to the attached *Figure 1 – Site Plan* for sample locations and additional information.

The sub-floor samples and soil vapor probes were installed and sampled in accordance with New York State Department of Health *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (DOH Guidance). New York State does not have standards, criteria or guidance values for concentrations of volatile organic compounds (VOCs) in subsurface vapors. However, the analytical results were compared to the Ambient Air Guideline for Trichloroethene of 2 micrograms per cubic meter, as noted in the DOH August 2015 *Trichloroethene (TCE) in Indoor and Outdoor Fact Sheet*, for guidance purposes.

The findings from the investigation are summarized below. Refer to the attached *Table 1 – Summary of Soil and Air Vapor Analytical Results* and *Laboratory Report* for additional information.

- Fourteen compounds were detected in the sample of outdoor air. Six of these compounds were detected in all six samples that were collected as part of the study. While the sources of these compounds are unclear, it is possible the closed Town of Salina Landfill, located adjacent to and west of the site, may be a factor.

- Vapor Point 1 (VP-1) was located along the upgradient boundary of the site, assuming a southwesterly groundwater flow, north of the onsite building near the property line with the adjacent Paratore Signs building. In general, this location had some of the lowest concentrations of detected compounds, indicating that SVI does not appear to be a

concern with the adjacent building. Isopropyl alcohol and propylene were detected at low concentrations in VP-1, but not in any of the other samples.

- VP-2 was located east of the onsite building toward Brewerton Road. Thirteen compounds were detected in this sample, some at concentrations greater than the sub-slab samples from the site. Since VP-2 is generally upgradient of the site and downgradient from Brewerton Road (which is also NYS Route 11, a main north-south artery through Syracuse), these detections do not appear to be associated with the National Plating site.

- Sixteen compounds were detected in the indoor air sample from the onsite building. The highest compound concentration detected was Trichloroethylene (TCE) at 650 micrograms per cubic meter ($\mu g/m^3$), exceeding the DOH Guidance value for TCE of 2 $\mu g/m^3$. Since the indoor air concentration exceeds both of the sub-slab results (575 and 597 $\mu g/m^3$), there may be sources of TCE in the indoor air other than vapor intrusion. The building is currently used as a machine shop. The DOH Guidance also presents a decision matrix (Matrix 1) for TCE, which recommends mitigation when indoor air concentrations exceed 5 $\mu g/m^3$ and sub-slab concentrations exceed 250 $\mu g/m^3$.

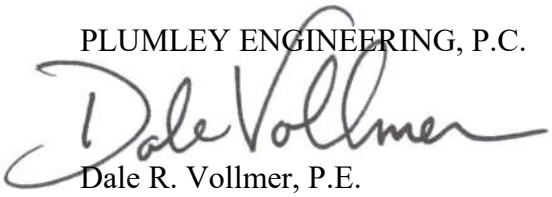
The former sump structure that appeared to be the source of the chlorinated solvents was removed at the time of the 2011 Interim Remedial Measure (IRM). The excavation was lined with filter fabric and two loops of 4-inch Schedule 40 polyvinyl chloride (PVC) perforated piping was installed and connected to 2-inch risers that extended above the floor and were capped. The lower PVC loop is approximately 8 feet below ground surface (bgs) and has been used for injecting sodium permanganate to enhance biodegradation of TCE. The upper PVC loop was installed approximately 6 to 10 inches below the floor level for use if vapor intrusion mitigation is found to be necessary. It is recommended that the PVC riser for the upper loop be fitted with a medium-power fan unit and an exhaust line be installed to the outside air.

With your approval, the recommended vapor intrusion mitigation system will be installed in accordance with DOH Guidance, including a performance test. A Final Engineering Report (FER) with as-builts and an Operation, Maintenance and Monitoring (OM&M) Plan will be developed, including the recommended soil vapor mitigation, and submitted to the Department.

Thank you for your consideration in this matter. If you have any questions or comments, please do not hesitate to contact me.

Sincerely,

PLUMLEY ENGINEERING, P.C.



Dale R. Vollmer, P.E.

DRV/cas
Attachments
cc: Mr. Dennis Hile (w/attachments) [via e-mail: Dennishile@aol.com]
Mr. Richard Jones, NYSDOH (w/attachments) [via e-mail: rej05@health.state.ny.us]

WORK PLAN

PLUMLEY
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SOIL VAPOR INTRUSION INVESTIGATION WORK PLAN

for the

FORMER NATIONAL PLATING SITE
1501 Brewerton Road
Town of Salina, Onondaga County, New York
DEC Site No. V00264
Project No. 2010150

November 2016
Revised March 2017

The Former National Plating Site, located at 1501 Brewerton Road in the Town of Salina, Onondaga County, New York, has been investigated and remediated through the New York State Department of Environmental Conservation (DEC) Voluntary Cleanup Program (VCP). The investigation and remediation phases of the VCP process have been largely completed.

A September 13, 2016 letter from the DEC requested that a Soil Vapor Intrusion Investigation Work Plan be prepared for the property border of the site in the direction where occupied buildings and the sidewalk are located. A building adjacent to the site to the north is occupied by Paratore Signs. Although a public sidewalk is not present at the site, a common paved driveway to the east provides access to both the site and Paratore Signs. This access drive is separated from Brewerton Road by a narrow lawn area.

As noted in DEC Program Policy *DER-13 / Strategy for Evaluating Soil Vapor Intrusion at Remedial Sites in New York*, the first step in determining the potential for soil vapor intrusion conditions is to perform a suitable site evaluation. DER-13 presents several weighting factors for evaluating volatile organic compounds (VOCs) in both soils and groundwater. The weighting factors place a priority on sites where chlorinated VOCs (CVOCs) are present, such as the Former National Plating Site.

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SOIL

For soils, weighting factors include the following:

- CVOC concentrations
- Depth to soil contamination
- Soil characteristics
- Land use above contaminated soil

CVOC Concentration

As noted in the April 2012 Remedial Excavation Report, soil samples from the bottom and south sidewall of the completed excavation did not contain VOCs exceeding Restricted Commercial Use soil cleanup objectives (SCOs). The highest concentration identified was for the CVOC trichloroethene (TCE), reported at 198 milligrams per kilogram (mg/kg) in the bottom sample collected from a depth of 9 feet below ground surface (bgs). This concentration is slightly less than the Restricted Commercial Use SCO of 200 mg/kg and based on a scale of 1 to 6, results in a weighting factor of 3.

Depth to Soil Contamination

The sidewall sample was collected from the excavation following the removal of impacted soil from a depth of 6 feet bgs, resulting in a weighting factor of 4.

Soil Characteristics

The boring logs from on-site soil borings indicate a layer of fill is present across much of the site, with larger depths of fill toward the southern areas. Silty clay layers underlie the fill, resulting in a weighting factor of 2.

Land Use Above Contaminated Soil

The groundwater flow direction, based on groundwater elevation data collected July 6, 2015, is shown on the attached *Figure 1 – Site Plan*. Groundwater flows to the southwest away from the Paratore Signs building to the north. Pedestrian traffic can occur along the access driveway located to the east, in a side-gradient location. Land use above contaminated soil results in a weighting factor of 3.

GROUNDWATER

For groundwater, weighting factors include the following:

- CVOC concentrations
- Depth to groundwater
- Soil characteristics
- Land use above contaminated groundwater

CVOC Concentration

Monitoring well MW-1 is located upgradient of the remedial excavation and is the closest well to the adjacent occupied building. No detectable concentrations of CVOCs were reported in groundwater samples collected from MW-1 in 2004 and 2012, resulting in a weighting factor of 1. Monitoring wells are not present in the immediate area of the access drive between the site building and Brewerton Road.

Depth to Groundwater

Although CVOCs have not been detected in monitoring well MW-1, the depth to groundwater of approximately 4 feet results in a weighting factor of 6.

Soil Characteristics

Fill material is not noted on the boring log for MW-1, other than 4 inches of asphalt. Underlying soils near the adjacent occupied building are noted as clays and silts. These soil characteristics result in a weighting factor of 2.

Land Use Above Contaminated Groundwater

Monitoring well MW-1 is located between the remediated area and the Paratore building to the north. No detectable quantities of VOCs have been identified. Land use above contaminated groundwater results in a weighting factor of 1.

PROPOSED SOIL VAPOR INTRUSION INVESTIGATION

The following soil vapor intrusion investigation is proposed to be conducted during the current heating season:

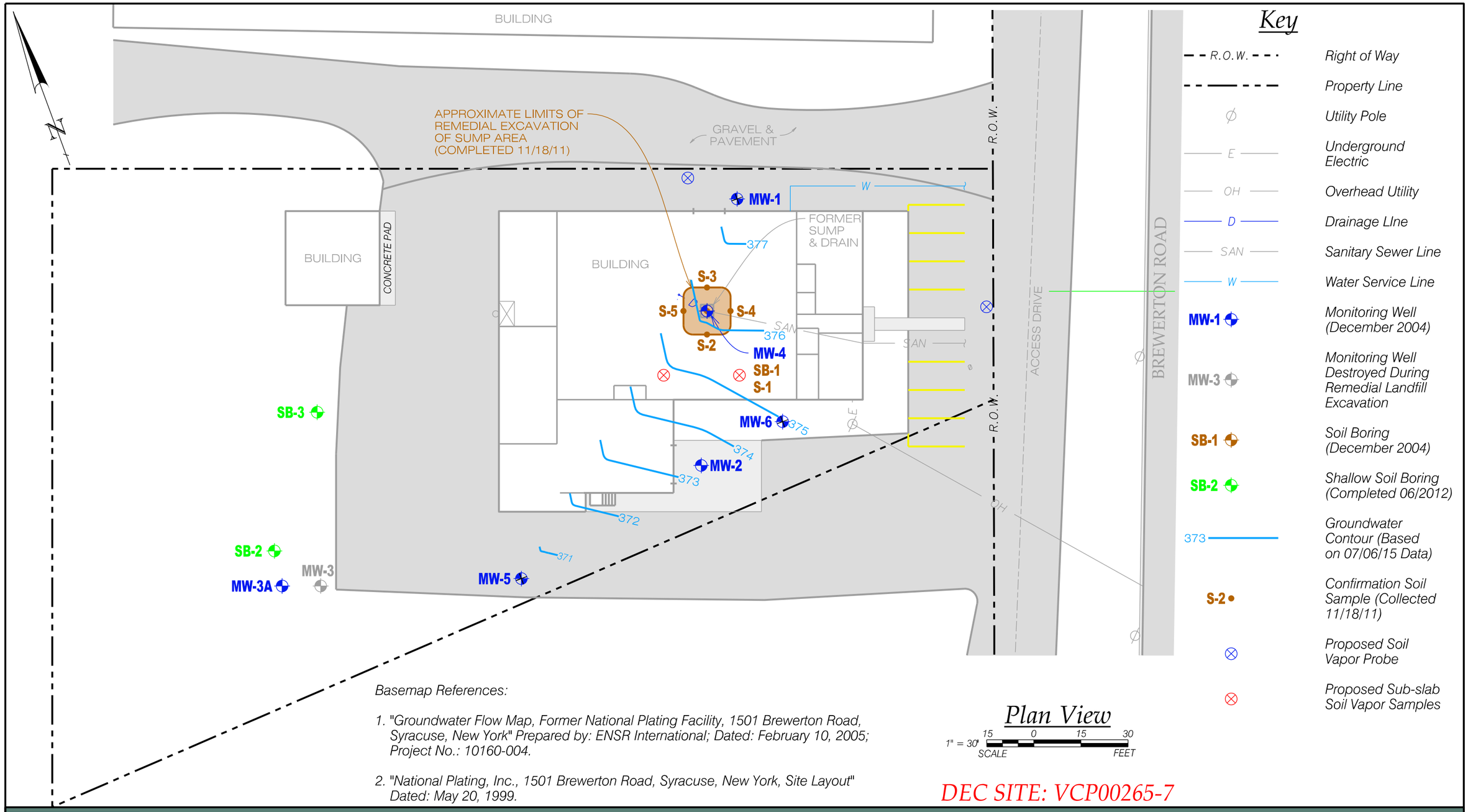
- To assess potential soil vapor intrusion inside the former National Plating building, two sub-slab vapor samples will be collected at the locations noted on the attached *Site Plan*. In addition, one indoor air sample will be collected in the building, and one outdoor air sample will be collected between the on-site building and the adjacent building to the north.

- To assess potential soil vapor intrusion inside the Paratore Signs building, located immediately to the north, the owner of the building was contacted for permission to collect two sub-slab vapor samples and one indoor air sample from the facility. The owner declined to have the sampling conducted. In lieu of the proposed sampling, a soil vapor probe will be installed in the paved surface north of the former National Plating building, immediately adjacent to the boundary with Paratore Signs.

- To assess soil vapor conditions east of the former National Plating facility, one soil vapor probe will be installed along the eastern property line at a location closest to the remediated area.

Refer to the attached *Figure 1 – Site Plan* for the proposed sample locations and additional information.

The sub-floor samples and soil vapor probes will be installed and sampled in accordance with New York State Department of Health *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*. New York State does not have standards, criteria or guidance values for concentrations of VOCs in subsurface vapors. However, for guidance purposes, the analytical results will be compared to the Ambient Air Guideline for Trichloroethene of 2 micrograms per cubic meter.



Basemap References:

1. *"Groundwater Flow Map, Former National Plating Facility, 1501 Brewerton Road, Syracuse, New York" Prepared by: ENSR International; Dated: February 10, 2005; Project No.: 10160-004.*

2. *"National Plating, Inc., 1501 Brewerton Road, Syracuse, New York, Site Layout" Dated: May 20, 1999.*

Plan View

1" = 30' SCALE — 15 0 15 30 FEET

DEC SITE: VCP00265-7

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Civil and Environmental Engineering

REVISIONS: DATE: BY:

PROJECT: FORMER NATIONAL PLATING

DWG. TITLE: SITE PLAN

CLIENT: DJH REALTY CORP.

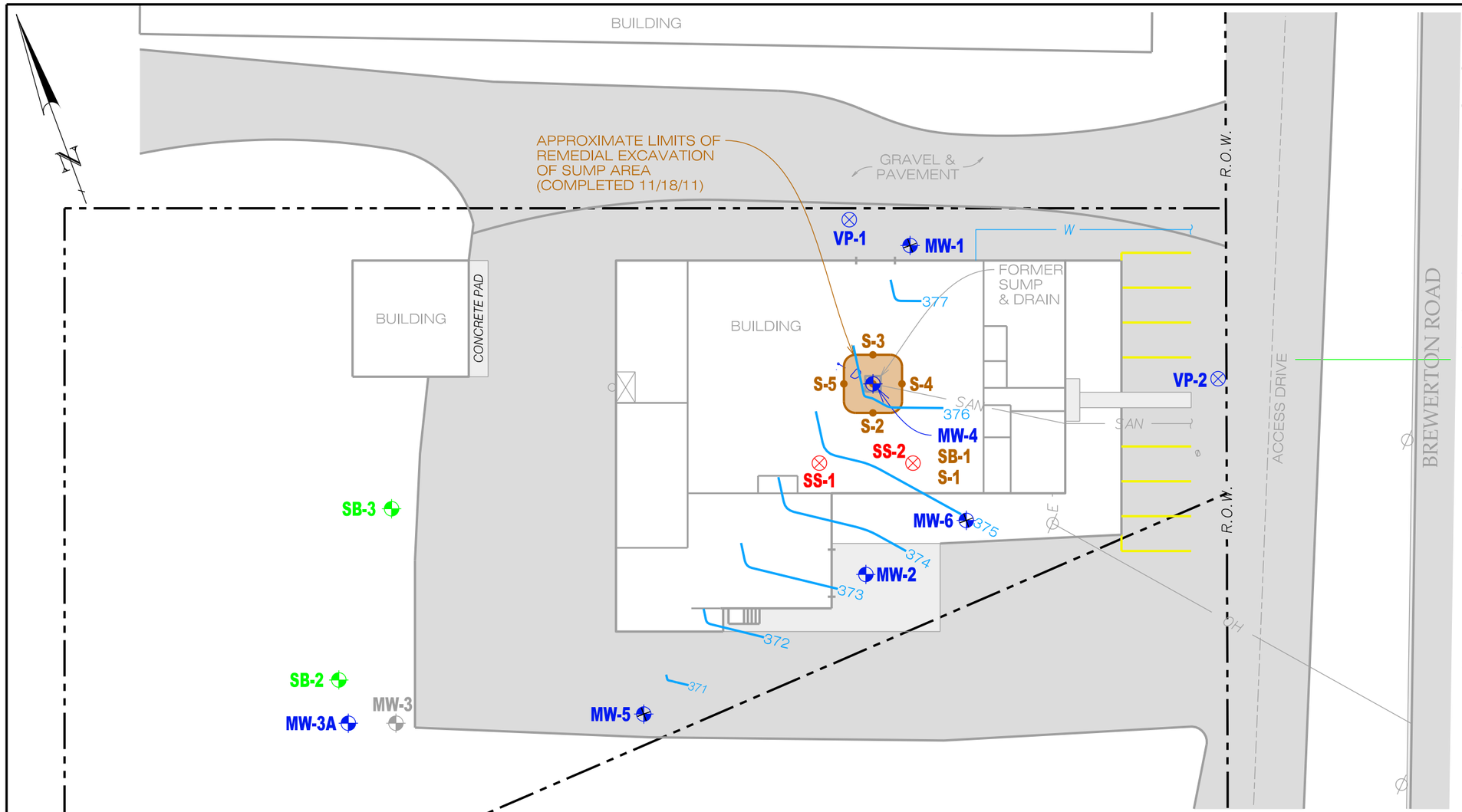
LOCATION: TOWN OF SALINA, ONONDAGA COUNTY, NEW YORK

PROJECT No.: 2010150
FILE NAME.: GWC_11-11-16
SCALE: AS NOTED
DATE: OCT. 2016
ENG'D BY: DKM
DRAWN BY: MGT
CHECKED BY: DRV

SHEET NO.:

FIGURE 1

FIGURE



Key

- R.O.W. — Right of Way
- Property Line
- Utility Pole
- E — Underground Electric
- OH — Overhead Utility
- D — Drainage LIne
- SAN — Sanitary Sewer Line
- W — Water Service Line
- MW-1 — Monitoring Well (December 2004)
- MW-3 — Monitoring Well Destroyed During Remedial Landfill Excavation
- SB-1 — Soil Boring (December 2004)
- SB-2 — Shallow Soil Boring (Completed 06/2012)
- 373 — Groundwater Contour (Based on 07/06/15 Data)
- S-2 • — Confirmation Soil Sample (Collected 11/18/11)
- VP-1 — Soil Vapor Probe
- SS-1 — Sub-slab Soil Vapor Samples

Basemap References:

1. *"Groundwater Flow Map, Former National Plating Facility, 1501 Brewerton Road, Syracuse, New York" Prepared by: ENSR International; Dated: February 10, 2005; Project No.: 10160-004.*

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SHEET NO.: FIGURE 1

TABLE

FORMER NATIONAL PLATING SITE
1501 Brewerton Road
Town of Salina, Onondaga County, New York
DEC Site No. V00264

TABLE 1 - SUMMARY OF SOIL AND AIR VAPOR ANALYTICAL RESULTS

Date Sampled: March 30, 2017

Client Sample ID:	VP-1	VP-2	OUTDOOR	SS-1	SS-2	INDOOR
Lab Sample ID:	JC40406-1	JC40406-2	JC40406-3	JC40406-4	JC40406-5	JC40406-6
Matrix:	Soil Vapor	Soil Vapor	Ambient Air	Soil Vapor	Soil Vapor	Indoor Air
GC/MS Volatiles (TO-15) - µg/m³						
Acetone	6.2	166	5.7	463	92.9	101
Benzene	0.48 J	2.8 J	0.7	ND (0.99)	ND (0.42)	ND (0.42)
Bromodichloromethane	ND (0.26)	ND (2.1)	ND (0.26)	ND (2.6)	ND (1.0)	6
Carbon disulfide	ND	14	ND (0.097)	10	ND (0.40)	ND (0.40)
Chloroform	ND	ND (0.68)	ND (0.083)	9.8	ND (0.32)	ND (0.32)
Chloromethane	1.1	2.0 J	0.99	ND (1.1)	1.3 J	1.3 J
Dichlorodifluoromethane	2.5	ND (0.79)	2.5	ND (0.94)	2.8 J	3.0 J
trans-1,2-Dichloroethylene	ND (0.11)	ND (0.91)	ND (0.11)	30	ND (0.44)	ND (0.44)
cis-1,2-Dichloroethylene	ND	ND (0.71)	ND (0.083)	124	ND (0.33)	ND (0.33)
m-Dichlorobenzene	ND (0.12)	ND (0.96)	ND (0.12)	2.0 J	ND (0.47)	ND (0.47)
Ethanol	3	43	4	98.9	403 E	396 E
Ethylbenzene	ND (0.18)	ND (1.5)	ND (0.18)	8.3 J	ND (0.74)	ND (0.74)
Ethyl Acetate	0.94	15	0.72	ND (2.7)	1.9 J	4
Heptane	ND	ND (0.70)	ND (0.082)	9.8	ND (0.33)	ND (0.33)
Hexane	ND	8.8	0.60 J	6.7 J	ND (0.32)	ND (0.32)
Isopropyl Alcohol	1.2	ND (3.2)	ND (0.39)	ND (3.9)	ND (1.5)	ND (1.5)
Methylene chloride	0.56 J	28	ND (0.087)	ND (0.87)	ND (0.35)	1.5 J
Methyl ethyl ketone	0.8	43.1	1.2	31.3	3.5	3.5
Propylene	8.2	ND (0.46)	ND (0.055)	ND (0.55)	ND (0.22)	ND (0.22)
1,2,4-Trichlorobenzene	ND (0.42)	ND (3.5)	0.74 J	9.7 J	ND (1.6)	ND (1.6)
1,2,4-Trimethylbenzene	ND	ND (0.64)	ND (0.074)	11	4.5	4.9
Tetrachloroethylene	0.24 J	ND (1.3)	1.4	ND (1.6)	1.3	1.5
Tetrahydrofuran	ND (0.13)	91.4	ND (0.13)	12	22	ND (0.53)
Toluene	0.79	21	1.3	65.9	3.5	3.8
Trichloroethylene	ND (0.10)	ND (0.81)	ND (0.10)	575	597	650
Trichlorofluoromethane	1.5	ND (1.0)	1.5	6.7 J	28	30
m,p-Xylene	0.56 J	4.8 J	0.87	30	4.8	5.2
o-Xylene	ND (0.22)	ND (1.8)	ND (0.22)	11	2.2 J	2.2 J
Xylenes (total)	0.56 J	4.8 J	0.87	40	6.9	7.4

Notes: **Legend:** Hit

µg/m³ Micrograms per cubic meter
ND Not Detected
J Estimated Value

Results were compared to the Ambient Air Guideline for Trichloroethene of 2 µg/m noted in the DOH August 2015 *Trichloroethene (TCE) in Indoor and Outdoor Fact Sheet.*

Only parameters detected in at least one sample are shown

LABORATORY REPORT

e-Hardcopy 2.0
Automated Report

Technical Report for

Plumley Environmental Engineers

National Plating, Syracuse, NY

2010150.006

SGS Accutest Job Number: JC40406

Sampling Date: 03/30/17

Report to:

Plumley Environmental Engineers

dhudson@plumleyeng.com

ATTN: Derk Hudson

Total number of pages in report: 25

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Robert Soll 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (L-A-B L2248)

Sections: 1 2 3 4

Table of Contents

Sample Summary

Plumley Environmental Engineers

Job No: JC40406

National Plating, Syracuse, NY
Project No: 2010150.006

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC40406-1	03/30/17	15:36	MM	04/05/17	AIR	Soil Vapor Comp.	VP-1
JC40406-2	03/30/17	15:41	MM	04/05/17	AIR	Soil Vapor Comp.	VP-2
JC40406-3	03/30/17	15:46	MM	04/05/17	AIR	Ambient Air Comp.	OUTDOOR
JC40406-4	03/30/17	15:58	MM	04/05/17	AIR	Soil Vapor Comp.	SS-1
JC40406-5	03/30/17	15:55	MM	04/05/17	AIR	Soil Vapor Comp.	SS-2
JC40406-6	03/30/17	15:51	MM	04/05/17	AIR	Indoor Air Comp.	INDOOR

Summary of Hits

Job Number: JC40406
Account: Plumley Environmental Engineers
Project: National Plating, Syracuse, NY
Collected: 03/30/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC40406-1	**VP-1**					
Acetone		2.6	0.20	0.036	ppbv	TO-15
Benzene		0.15 J	0.20	0.031	ppbv	TO-15
Chloromethane		0.52	0.20	0.052	ppbv	TO-15
Dichlorodifluoromethane		0.50	0.20	0.019	ppbv	TO-15
Ethanol		1.6	0.50	0.075	ppbv	TO-15
Ethyl Acetate		0.26	0.20	0.075	ppbv	TO-15
Isopropyl Alcohol		0.48	0.20	0.16	ppbv	TO-15
Methylene chloride		0.16 J	0.20	0.025	ppbv	TO-15
Methyl ethyl ketone		0.27	0.20	0.048	ppbv	TO-15
Propylene		4.8	0.50	0.032	ppbv	TO-15
Tetrachloroethylene		0.036 J	0.040	0.023	ppbv	TO-15
Toluene		0.21	0.20	0.012	ppbv	TO-15
Trichlorofluoromethane		0.27	0.20	0.022	ppbv	TO-15
m,p-Xylene		0.13 J	0.20	0.068	ppbv	TO-15
Xylenes (total)		0.13 J	0.20	0.051	ppbv	TO-15
Acetone		6.2	0.48	0.086	ug/m3	TO-15
Benzene		0.48 J	0.64	0.099	ug/m3	TO-15
Chloromethane		1.1	0.41	0.11	ug/m3	TO-15
Dichlorodifluoromethane		2.5	0.99	0.094	ug/m3	TO-15
Ethanol		3.0	0.94	0.14	ug/m3	TO-15
Ethyl Acetate		0.94	0.72	0.27	ug/m3	TO-15
Isopropyl Alcohol		1.2	0.49	0.39	ug/m3	TO-15
Methylene chloride		0.56 J	0.69	0.087	ug/m3	TO-15
Methyl ethyl ketone		0.80	0.59	0.14	ug/m3	TO-15
Propylene		8.2	0.86	0.055	ug/m3	TO-15
Tetrachloroethylene		0.24 J	0.27	0.16	ug/m3	TO-15
Toluene		0.79	0.75	0.045	ug/m3	TO-15
Trichlorofluoromethane		1.5	1.1	0.12	ug/m3	TO-15
m,p-Xylene		0.56 J	0.87	0.30	ug/m3	TO-15
Xylenes (total)		0.56 J	0.87	0.22	ug/m3	TO-15
JC40406-2	**VP-2**					
Acetone		69.7	1.7	0.30	ppbv	TO-15
Benzene		0.87 J	1.7	0.26	ppbv	TO-15
Carbon disulfide		4.5	1.7	0.26	ppbv	TO-15
Chloromethane		0.95 J	1.7	0.43	ppbv	TO-15
Ethanol		22.8	4.2	0.62	ppbv	TO-15
Ethyl Acetate		4.3	1.7	0.62	ppbv	TO-15
Hexane		2.5	1.7	0.19	ppbv	TO-15
Methylene chloride		8.2	1.7	0.21	ppbv	TO-15
Methyl ethyl ketone		14.6	1.7	0.40	ppbv	TO-15
Tetrahydrofuran		31.0	1.7	0.38	ppbv	TO-15

Summary of Hits

Job Number: JC40406
Account: Plumley Environmental Engineers
Project: National Plating, Syracuse, NY
Collected: 03/30/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Toluene		5.5	1.7	0.10	ppbv	TO-15
m,p-Xylene		1.1 J	1.7	0.57	ppbv	TO-15
Xylenes (total)		1.1 J	1.7	0.42	ppbv	TO-15
Acetone		166	4.0	0.71	ug/m3	TO-15
Benzene		2.8 J	5.4	0.83	ug/m3	TO-15
Carbon disulfide		14	5.3	0.81	ug/m3	TO-15
Chloromethane		2.0 J	3.5	0.89	ug/m3	TO-15
Ethanol		43.0	7.9	1.2	ug/m3	TO-15
Ethyl Acetate		15	6.1	2.2	ug/m3	TO-15
Hexane		8.8	6.0	0.67	ug/m3	TO-15
Methylene chloride		28	5.9	0.73	ug/m3	TO-15
Methyl ethyl ketone		43.1	5.0	1.2	ug/m3	TO-15
Tetrahydrofuran		91.4	5.0	1.1	ug/m3	TO-15
Toluene		21	6.4	0.38	ug/m3	TO-15
m,p-Xylene		4.8 J	7.4	2.5	ug/m3	TO-15
Xylenes (total)		4.8 J	7.4	1.8	ug/m3	TO-15
JC40406-3	**OUTDOOR**					
Acetone		2.4	0.20	0.036	ppbv	TO-15
Benzene		0.22	0.20	0.031	ppbv	TO-15
Chloromethane		0.48	0.20	0.052	ppbv	TO-15
Dichlorodifluoromethane		0.51	0.20	0.019	ppbv	TO-15
Ethanol		2.1	0.50	0.075	ppbv	TO-15
Ethyl Acetate		0.20	0.20	0.075	ppbv	TO-15
Hexane		0.17 J	0.20	0.023	ppbv	TO-15
Methyl ethyl ketone		0.39	0.20	0.048	ppbv	TO-15
1,2,4-Trichlorobenzene		0.10 J	0.20	0.056	ppbv	TO-15
Tetrachloroethylene		0.21	0.040	0.023	ppbv	TO-15
Toluene		0.34	0.20	0.012	ppbv	TO-15
Trichlorofluoromethane		0.26	0.20	0.022	ppbv	TO-15
m,p-Xylene		0.20	0.20	0.068	ppbv	TO-15
Xylenes (total)		0.20	0.20	0.051	ppbv	TO-15
Acetone		5.7	0.48	0.086	ug/m3	TO-15
Benzene		0.70	0.64	0.099	ug/m3	TO-15
Chloromethane		0.99	0.41	0.11	ug/m3	TO-15
Dichlorodifluoromethane		2.5	0.99	0.094	ug/m3	TO-15
Ethanol		4.0	0.94	0.14	ug/m3	TO-15
Ethyl Acetate		0.72	0.72	0.27	ug/m3	TO-15
Hexane		0.60 J	0.70	0.081	ug/m3	TO-15
Methyl ethyl ketone		1.2	0.59	0.14	ug/m3	TO-15
1,2,4-Trichlorobenzene		0.74 J	1.5	0.42	ug/m3	TO-15
Tetrachloroethylene		1.4	0.27	0.16	ug/m3	TO-15
Toluene		1.3	0.75	0.045	ug/m3	TO-15
Trichlorofluoromethane		1.5	1.1	0.12	ug/m3	TO-15

Summary of Hits

Job Number: JC40406
Account: Plumley Environmental Engineers
Project: National Plating, Syracuse, NY
Collected: 03/30/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
m,p-Xylene		0.87	0.87	0.30	ug/m3	TO-15
Xylenes (total)		0.87	0.87	0.22	ug/m3	TO-15
JC40406-4	**SS-1**					
Acetone		195	2.0	0.36	ppbv	TO-15
Carbon disulfide		3.3	2.0	0.31	ppbv	TO-15
Chloroform		2.0	2.0	0.17	ppbv	TO-15
trans-1,2-Dichloroethylene		7.5	2.0	0.28	ppbv	TO-15
cis-1,2-Dichloroethylene		31.2	2.0	0.21	ppbv	TO-15
m-Dichlorobenzene		0.33 J	2.0	0.20	ppbv	TO-15
Ethanol		52.5	5.0	0.75	ppbv	TO-15
Ethylbenzene		1.9 J	2.0	0.42	ppbv	TO-15
Heptane		2.4	2.0	0.20	ppbv	TO-15
Hexane		1.9 J	2.0	0.23	ppbv	TO-15
Methyl ethyl ketone		10.6	2.0	0.48	ppbv	TO-15
1,2,4-Trichlorobenzene		1.3 J	2.0	0.56	ppbv	TO-15
1,2,4-Trimethylbenzene		2.2	2.0	0.15	ppbv	TO-15
Tetrahydrofuran		3.9	2.0	0.45	ppbv	TO-15
Toluene		17.5	2.0	0.12	ppbv	TO-15
Trichloroethylene		107	0.40	0.19	ppbv	TO-15
Trichlorofluoromethane		1.2 J	2.0	0.22	ppbv	TO-15
m,p-Xylene		6.8	2.0	0.68	ppbv	TO-15
o-Xylene		2.5	2.0	0.51	ppbv	TO-15
Xylenes (total)		9.3	2.0	0.51	ppbv	TO-15
Acetone		463	4.8	0.86	ug/m3	TO-15
Carbon disulfide		10	6.2	0.97	ug/m3	TO-15
Chloroform		9.8	9.8	0.83	ug/m3	TO-15
trans-1,2-Dichloroethylene		30	7.9	1.1	ug/m3	TO-15
cis-1,2-Dichloroethylene		124	7.9	0.83	ug/m3	TO-15
m-Dichlorobenzene		2.0 J	12	1.2	ug/m3	TO-15
Ethanol		98.9	9.4	1.4	ug/m3	TO-15
Ethylbenzene		8.3 J	8.7	1.8	ug/m3	TO-15
Heptane		9.8	8.2	0.82	ug/m3	TO-15
Hexane		6.7 J	7.0	0.81	ug/m3	TO-15
Methyl ethyl ketone		31.3	5.9	1.4	ug/m3	TO-15
1,2,4-Trichlorobenzene		9.7 J	15	4.2	ug/m3	TO-15
1,2,4-Trimethylbenzene		11	9.8	0.74	ug/m3	TO-15
Tetrahydrofuran		12	5.9	1.3	ug/m3	TO-15
Toluene		65.9	7.5	0.45	ug/m3	TO-15
Trichloroethylene		575	2.1	1.0	ug/m3	TO-15
Trichlorofluoromethane		6.7 J	11	1.2	ug/m3	TO-15
m,p-Xylene		30	8.7	3.0	ug/m3	TO-15
o-Xylene		11	8.7	2.2	ug/m3	TO-15
Xylenes (total)		40	8.7	2.2	ug/m3	TO-15

Summary of Hits

Job Number: JC40406
Account: Plumley Environmental Engineers
Project: National Plating, Syracuse, NY
Collected: 03/30/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC40406-5	**SS-2**					
Acetone		39.1	0.80	0.14	ppbv	TO-15
Chloromethane		0.63 J	0.80	0.21	ppbv	TO-15
Dichlorodifluoromethane		0.56 J	0.80	0.076	ppbv	TO-15
Ethanol		214 E	2.0	0.30	ppbv	TO-15
Ethyl Acetate		0.54 J	0.80	0.30	ppbv	TO-15
Methyl ethyl ketone		1.2	0.80	0.19	ppbv	TO-15
1,2,4-Trimethylbenzene		0.92	0.80	0.061	ppbv	TO-15
Tetrachloroethylene		0.19	0.16	0.092	ppbv	TO-15
Tetrahydrofuran		7.4	0.80	0.18	ppbv	TO-15
Toluene		0.92	0.80	0.050	ppbv	TO-15
Trichloroethylene		111	0.16	0.074	ppbv	TO-15
Trichlorofluoromethane		4.9	0.80	0.088	ppbv	TO-15
m,p-Xylene		1.1	0.80	0.27	ppbv	TO-15
o-Xylene		0.50 J	0.80	0.20	ppbv	TO-15
Xylenes (total)		1.6	0.80	0.20	ppbv	TO-15
Acetone		92.9	1.9	0.33	ug/m3	TO-15
Chloromethane		1.3 J	1.7	0.43	ug/m3	TO-15
Dichlorodifluoromethane		2.8 J	4.0	0.38	ug/m3	TO-15
Ethanol		403 E	3.8	0.57	ug/m3	TO-15
Ethyl Acetate		1.9 J	2.9	1.1	ug/m3	TO-15
Methyl ethyl ketone		3.5	2.4	0.56	ug/m3	TO-15
1,2,4-Trimethylbenzene		4.5	3.9	0.30	ug/m3	TO-15
Tetrachloroethylene		1.3	1.1	0.62	ug/m3	TO-15
Tetrahydrofuran		22	2.4	0.53	ug/m3	TO-15
Toluene		3.5	3.0	0.19	ug/m3	TO-15
Trichloroethylene		597	0.86	0.40	ug/m3	TO-15
Trichlorofluoromethane		28	4.5	0.49	ug/m3	TO-15
m,p-Xylene		4.8	3.5	1.2	ug/m3	TO-15
o-Xylene		2.2 J	3.5	0.87	ug/m3	TO-15
Xylenes (total)		6.9	3.5	0.87	ug/m3	TO-15
JC40406-6	**INDOOR**					
Acetone		42.5	0.80	0.14	ppbv	TO-15
Bromodichloromethane		0.90	0.80	0.15	ppbv	TO-15
Chloromethane		0.62 J	0.80	0.21	ppbv	TO-15
Dichlorodifluoromethane		0.60 J	0.80	0.076	ppbv	TO-15
Ethanol		210 E	2.0	0.30	ppbv	TO-15
Ethyl Acetate		1.1	0.80	0.30	ppbv	TO-15
Methylene chloride		0.43 J	0.80	0.10	ppbv	TO-15
Methyl ethyl ketone		1.2	0.80	0.19	ppbv	TO-15
1,2,4-Trimethylbenzene		0.99	0.80	0.061	ppbv	TO-15

Summary of Hits

Job Number: JC40406
Account: Plumley Environmental Engineers
Project: National Plating, Syracuse, NY
Collected: 03/30/17

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Tetrachloroethylene	0.22	0.16	0.092	ppbv	TO-15
Toluene	1.0	0.80	0.050	ppbv	TO-15
Trichloroethylene	121	0.16	0.074	ppbv	TO-15
Trichlorofluoromethane	5.4	0.80	0.088	ppbv	TO-15
m,p-Xylene	1.2	0.80	0.27	ppbv	TO-15
o-Xylene	0.50 J	0.80	0.20	ppbv	TO-15
Xylenes (total)	1.7	0.80	0.20	ppbv	TO-15
Acetone	101	1.9	0.33	ug/m3	TO-15
Bromodichloromethane	6.0	5.4	1.0	ug/m3	TO-15
Chloromethane	1.3 J	1.7	0.43	ug/m3	TO-15
Dichlorodifluoromethane	3.0 J	4.0	0.38	ug/m3	TO-15
Ethanol	396 E	3.8	0.57	ug/m3	TO-15
Ethyl Acetate	4.0	2.9	1.1	ug/m3	TO-15
Methylene chloride	1.5 J	2.8	0.35	ug/m3	TO-15
Methyl ethyl ketone	3.5	2.4	0.56	ug/m3	TO-15
1,2,4-Trimethylbenzene	4.9	3.9	0.30	ug/m3	TO-15
Tetrachloroethylene	1.5	1.1	0.62	ug/m3	TO-15
Toluene	3.8	3.0	0.19	ug/m3	TO-15
Trichloroethylene	650	0.86	0.40	ug/m3	TO-15
Trichlorofluoromethane	30	4.5	0.49	ug/m3	TO-15
m,p-Xylene	5.2	3.5	1.2	ug/m3	TO-15
o-Xylene	2.2 J	3.5	0.87	ug/m3	TO-15
Xylenes (total)	7.4	3.5	0.87	ug/m3	TO-15

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: VP-1
Lab Sample ID: JC40406-1
Matrix: AIR - Soil Vapor Comp. Summa ID: A740
Method: TO-15
Project: National Plating, Syracuse, NY

Date Sampled: 03/30/17
Date Received: 04/05/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W23705.D	1	04/12/17	LM	n/a	n/a	V5W937
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	2.6	0.20	0.036	ppbv		6.2	0.48	0.086	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.028	ppbv		ND	0.44	0.062	ug/m3
71-43-2	78.11	Benzene	0.15	0.20	0.031	ppbv	J	0.48	0.64	0.099	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.039	ppbv		ND	1.3	0.26	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.016	ppbv		ND	2.1	0.17	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.018	ppbv		ND	0.78	0.070	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	0.079	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.027	ppbv		ND	1.0	0.14	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.031	ppbv		ND	0.62	0.097	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.056	ppbv		ND	0.92	0.26	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.036	ppbv		ND	0.53	0.095	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.017	ppbv		ND	0.98	0.083	ug/m3
74-87-3	50.49	Chloromethane	0.52	0.20	0.052	ppbv		1.1	0.41	0.11	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.027	ppbv		ND	0.63	0.085	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.017	ppbv		ND	1.0	0.088	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.031	ppbv		ND	1.3	0.20	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.016	ppbv		ND	0.69	0.055	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.015	ppbv		ND	0.81	0.061	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.042	ppbv		ND	1.5	0.32	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.018	ppbv		ND	0.81	0.073	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.022	ppbv		ND	0.92	0.10	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.045	ppbv		ND	0.72	0.16	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.50	0.20	0.019	ppbv		2.5	0.99	0.094	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.053	ppbv		ND	1.7	0.45	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.015	ppbv		ND	0.91	0.068	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.020	ppbv		ND	1.2	0.12	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.016	ppbv		ND	1.2	0.096	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	0.16	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.018	ppbv		ND	0.91	0.082	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: VP-1
Lab Sample ID: JC40406-1
Matrix: AIR - Soil Vapor Comp. Summa ID: A740
Method: TO-15
Project: National Plating, Syracuse, NY

Date Sampled: 03/30/17
Date Received: 04/05/17
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	1.6	0.50	0.075	ppbv		3.0	0.94	0.14	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.042	ppbv		ND	0.87	0.18	ug/m3
141-78-6	88	Ethyl Acetate	0.26	0.20	0.075	ppbv		0.94	0.72	0.27	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.021	ppbv		ND	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	0.22	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.020	ppbv		ND	2.1	0.21	ug/m3
110-54-3	86.17	Hexane	ND	0.20	0.023	ppbv		ND	0.70	0.081	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.045	ppbv		ND	0.82	0.18	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.48	0.20	0.16	ppbv		1.2	0.49	0.39	ug/m3
75-09-2	84.94	Methylene chloride	0.16	0.20	0.025	ppbv	J	0.56	0.69	0.087	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.27	0.20	0.048	ppbv		0.80	0.59	0.14	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.055	ppbv		ND	0.82	0.23	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.020	ppbv		ND	0.72	0.072	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	4.8	0.50	0.032	ppbv		8.2	0.86	0.055	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.015	ppbv		ND	0.85	0.064	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	0.13	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.016	ppbv		ND	1.4	0.11	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.039	ppbv		ND	1.1	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.056	ppbv		ND	1.5	0.42	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.045	ppbv		ND	0.98	0.22	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.023	ppbv		ND	0.93	0.11	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.053	ppbv		ND	0.61	0.16	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.036	0.040	0.023	ppbv	J	0.24	0.27	0.16	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.21	0.20	0.012	ppbv		0.79	0.75	0.045	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.27	0.20	0.022	ppbv		1.5	1.1	0.12	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.021	ppbv		ND	0.51	0.054	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.054	ppbv		ND	0.70	0.19	ug/m3
	106.2	m,p-Xylene	0.13	0.20	0.068	ppbv	J	0.56	0.87	0.30	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.051	ppbv		ND	0.87	0.22	ug/m3
1330-20-7	106.2	Xylenes (total)	0.13	0.20	0.051	ppbv	J	0.56	0.87	0.22	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	109%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: VP-2
Lab Sample ID: JC40406-2
Matrix: AIR - Soil Vapor Comp. Summa ID: M007
Method: TO-15
Project: National Plating, Syracuse, NY

Date Sampled: 03/30/17
Date Received: 04/05/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W23706.D	16.65	04/12/17	LM	n/a	n/a	V5W937
Run #2							

	Initial Volume
Run #1	800 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	69.7	1.7	0.30	ppbv		166	4.0	0.71	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	1.7	0.23	ppbv		ND	3.8	0.51	ug/m3
71-43-2	78.11	Benzene	0.87	1.7	0.26	ppbv	J	2.8	5.4	0.83	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	1.7	0.32	ppbv		ND	11	2.1	ug/m3
75-25-2	252.8	Bromoform	ND	1.7	0.13	ppbv		ND	18	1.3	ug/m3
74-83-9	94.94	Bromomethane	ND	1.7	0.15	ppbv		ND	6.6	0.58	ug/m3
593-60-2	106.9	Bromoethene	ND	1.7	0.15	ppbv		ND	7.4	0.66	ug/m3
100-44-7	126	Benzyl Chloride	ND	1.7	0.22	ppbv		ND	8.8	1.1	ug/m3
75-15-0	76.14	Carbon disulfide	4.5	1.7	0.26	ppbv		14	5.3	0.81	ug/m3
108-90-7	112.6	Chlorobenzene	ND	1.7	0.46	ppbv		ND	7.8	2.1	ug/m3
75-00-3	64.52	Chloroethane	ND	1.7	0.30	ppbv		ND	4.5	0.79	ug/m3
67-66-3	119.4	Chloroform	ND	1.7	0.14	ppbv		ND	8.3	0.68	ug/m3
74-87-3	50.49	Chloromethane	0.95	1.7	0.43	ppbv	J	2.0	3.5	0.89	ug/m3
107-05-1	76.53	3-Chloropropene	ND	1.7	0.22	ppbv		ND	5.3	0.69	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	1.7	0.14	ppbv		ND	8.8	0.72	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	1.7	0.26	ppbv		ND	11	1.6	ug/m3
110-82-7	84.16	Cyclohexane	ND	1.7	0.13	ppbv		ND	5.9	0.45	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	1.7	0.13	ppbv		ND	6.9	0.53	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	1.7	0.17	ppbv		ND	6.7	0.67	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	1.7	0.35	ppbv		ND	13	2.7	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	1.7	0.15	ppbv		ND	6.9	0.61	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	1.7	0.18	ppbv		ND	7.9	0.83	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	1.7	0.37	ppbv		ND	6.1	1.3	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	1.7	0.16	ppbv		ND	8.4	0.79	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	1.7	0.44	ppbv		ND	14	3.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	1.7	0.23	ppbv		ND	6.7	0.91	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	1.7	0.18	ppbv		ND	6.7	0.71	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	1.7	0.13	ppbv		ND	7.7	0.59	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	1.7	0.16	ppbv		ND	10	0.96	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	1.7	0.13	ppbv		ND	10	0.78	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	1.7	0.22	ppbv		ND	10	1.3	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	1.7	0.15	ppbv		ND	7.7	0.68	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: VP-2
Lab Sample ID: JC40406-2
Matrix: AIR - Soil Vapor Comp. Summa ID: M007
Method: TO-15
Project: National Plating, Syracuse, NY

Date Sampled: 03/30/17
Date Received: 04/05/17
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	22.8	4.2	0.62	ppbv		43.0	7.9	1.2	ug/m3
100-41-4	106.2	Ethylbenzene	ND	1.7	0.35	ppbv		ND	7.4	1.5	ug/m3
141-78-6	88	Ethyl Acetate	4.3	1.7	0.62	ppbv		15	6.1	2.2	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	1.7	0.14	ppbv		ND	8.4	0.69	ug/m3
76-13-1	187.4	Freon 113	ND	1.7	0.18	ppbv		ND	13	1.4	ug/m3
76-14-2	170.9	Freon 114	ND	1.7	0.26	ppbv		ND	12	1.8	ug/m3
142-82-5	100.2	Heptane	ND	1.7	0.17	ppbv		ND	7.0	0.70	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	1.7	0.17	ppbv		ND	18	1.8	ug/m3
110-54-3	86.17	Hexane	2.5	1.7	0.19	ppbv		8.8	6.0	0.67	ug/m3
591-78-6	100	2-Hexanone	ND	1.7	0.37	ppbv		ND	7.0	1.5	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	1.7	1.3	ppbv		ND	4.2	3.2	ug/m3
75-09-2	84.94	Methylene chloride	8.2	1.7	0.21	ppbv		28	5.9	0.73	ug/m3
78-93-3	72.11	Methyl ethyl ketone	14.6	1.7	0.40	ppbv		43.1	5.0	1.2	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	1.7	0.46	ppbv		ND	7.0	1.9	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	1.7	0.16	ppbv		ND	6.1	0.58	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	1.7	0.33	ppbv		ND	7.0	1.4	ug/m3
115-07-1	42	Propylene	ND	4.2	0.27	ppbv		ND	7.2	0.46	ug/m3
100-42-5	104.1	Styrene	ND	1.7	0.13	ppbv		ND	7.2	0.55	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	1.7	0.20	ppbv		ND	9.3	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	1.7	0.13	ppbv		ND	12	0.89	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	1.7	0.32	ppbv		ND	9.3	1.7	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	1.7	0.47	ppbv		ND	13	3.5	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	1.7	0.13	ppbv		ND	8.4	0.64	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	1.7	0.37	ppbv		ND	8.4	1.8	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	1.7	0.19	ppbv		ND	7.9	0.89	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	1.7	0.44	ppbv		ND	5.2	1.3	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.33	0.19	ppbv		ND	2.2	1.3	ug/m3
109-99-9	72.11	Tetrahydrofuran	31.0	1.7	0.38	ppbv		91.4	5.0	1.1	ug/m3
108-88-3	92.14	Toluene	5.5	1.7	0.10	ppbv		21	6.4	0.38	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.33	0.15	ppbv		ND	1.8	0.81	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	1.7	0.18	ppbv		ND	9.6	1.0	ug/m3
75-01-4	62.5	Vinyl chloride	ND	1.7	0.17	ppbv		ND	4.3	0.43	ug/m3
108-05-4	86	Vinyl Acetate	ND	1.7	0.45	ppbv		ND	6.0	1.6	ug/m3
	106.2	m,p-Xylene	1.1	1.7	0.57	ppbv	J	4.8	7.4	2.5	ug/m3
95-47-6	106.2	o-Xylene	ND	1.7	0.42	ppbv		ND	7.4	1.8	ug/m3
1330-20-7	106.2	Xylenes (total)	1.1	1.7	0.42	ppbv	J	4.8	7.4	1.8	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	113%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: OUTDOOR
Lab Sample ID: JC40406-3
Matrix: AIR - Ambient Air Comp. Summa ID: A828
Method: TO-15
Project: National Plating, Syracuse, NY

Date Sampled: 03/30/17
Date Received: 04/05/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W23689.D	1	04/11/17	LM	n/a	n/a	V5W937
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	2.4	0.20	0.036	ppbv		5.7	0.48	0.086	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.028	ppbv		ND	0.44	0.062	ug/m3
71-43-2	78.11	Benzene	0.22	0.20	0.031	ppbv		0.70	0.64	0.099	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.039	ppbv		ND	1.3	0.26	ug/m3
75-25-2	252.8	Bromoform	ND	0.20	0.016	ppbv		ND	2.1	0.17	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.018	ppbv		ND	0.78	0.070	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.018	ppbv		ND	0.87	0.079	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.027	ppbv		ND	1.0	0.14	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.031	ppbv		ND	0.62	0.097	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.056	ppbv		ND	0.92	0.26	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.036	ppbv		ND	0.53	0.095	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.017	ppbv		ND	0.98	0.083	ug/m3
74-87-3	50.49	Chloromethane	0.48	0.20	0.052	ppbv		0.99	0.41	0.11	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.027	ppbv		ND	0.63	0.085	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.017	ppbv		ND	1.0	0.088	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	0.031	ppbv		ND	1.3	0.20	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.016	ppbv		ND	0.69	0.055	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.015	ppbv		ND	0.81	0.061	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.042	ppbv		ND	1.5	0.32	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.018	ppbv		ND	0.81	0.073	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.022	ppbv		ND	0.92	0.10	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.045	ppbv		ND	0.72	0.16	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.51	0.20	0.019	ppbv		2.5	0.99	0.094	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.053	ppbv		ND	1.7	0.45	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	0.11	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	0.021	ppbv		ND	0.79	0.083	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.015	ppbv		ND	0.91	0.068	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.020	ppbv		ND	1.2	0.12	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	0.016	ppbv		ND	1.2	0.096	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	0.16	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.018	ppbv		ND	0.91	0.082	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: OUTDOOR
Lab Sample ID: JC40406-3
Matrix: AIR - Ambient Air Comp. Summa ID: A828
Method: TO-15
Project: National Plating, Syracuse, NY

Date Sampled: 03/30/17
Date Received: 04/05/17
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	2.1	0.50	0.075	ppbv		4.0	0.94	0.14	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.042	ppbv		ND	0.87	0.18	ug/m3
141-78-6	88	Ethyl Acetate	0.20	0.20	0.075	ppbv		0.72	0.72	0.27	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.20	0.017	ppbv		ND	0.98	0.084	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.021	ppbv		ND	1.5	0.16	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	0.22	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.020	ppbv		ND	0.82	0.082	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.020	ppbv		ND	2.1	0.21	ug/m3
110-54-3	86.17	Hexane	0.17	0.20	0.023	ppbv	J	0.60	0.70	0.081	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.045	ppbv		ND	0.82	0.18	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.16	ppbv		ND	0.49	0.39	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.025	ppbv		ND	0.69	0.087	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.39	0.20	0.048	ppbv		1.2	0.59	0.14	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.055	ppbv		ND	0.82	0.23	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.020	ppbv		ND	0.72	0.072	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.040	ppbv		ND	0.82	0.16	ug/m3
115-07-1	42	Propylene	ND	0.50	0.032	ppbv		ND	0.86	0.055	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.015	ppbv		ND	0.85	0.064	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	0.13	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.016	ppbv		ND	1.4	0.11	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.039	ppbv		ND	1.1	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.10	0.20	0.056	ppbv	J	0.74	1.5	0.42	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.20	0.015	ppbv		ND	0.98	0.074	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.20	0.045	ppbv		ND	0.98	0.22	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.023	ppbv		ND	0.93	0.11	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.053	ppbv		ND	0.61	0.16	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.21	0.040	0.023	ppbv		1.4	0.27	0.16	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.045	ppbv		ND	0.59	0.13	ug/m3
108-88-3	92.14	Toluene	0.34	0.20	0.012	ppbv		1.3	0.75	0.045	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.26	0.20	0.022	ppbv		1.5	1.1	0.12	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	0.021	ppbv		ND	0.51	0.054	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.054	ppbv		ND	0.70	0.19	ug/m3
	106.2	m,p-Xylene	0.20	0.20	0.068	ppbv		0.87	0.87	0.30	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.051	ppbv		ND	0.87	0.22	ug/m3
1330-20-7	106.2	Xylenes (total)	0.20	0.20	0.051	ppbv		0.87	0.87	0.22	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	110%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS-1
Lab Sample ID: JC40406-4
Matrix: AIR - Soil Vapor Comp. Summa ID: A1065
Method: TO-15
Project: National Plating, Syracuse, NY

Date Sampled: 03/30/17
Date Received: 04/05/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W23714.D	1	04/12/17	LM	n/a	n/a	V5W938
Run #2							

	Initial Volume
Run #1	40.0 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	195	2.0	0.36	ppbv		463	4.8	0.86	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	2.0	0.28	ppbv		ND	4.4	0.62	ug/m3
71-43-2	78.11	Benzene	ND	2.0	0.31	ppbv		ND	6.4	0.99	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	2.0	0.39	ppbv		ND	13	2.6	ug/m3
75-25-2	252.8	Bromoform	ND	2.0	0.16	ppbv		ND	21	1.7	ug/m3
74-83-9	94.94	Bromomethane	ND	2.0	0.18	ppbv		ND	7.8	0.70	ug/m3
593-60-2	106.9	Bromoethene	ND	2.0	0.18	ppbv		ND	8.7	0.79	ug/m3
100-44-7	126	Benzyl Chloride	ND	2.0	0.27	ppbv		ND	10	1.4	ug/m3
75-15-0	76.14	Carbon disulfide	3.3	2.0	0.31	ppbv		10	6.2	0.97	ug/m3
108-90-7	112.6	Chlorobenzene	ND	2.0	0.56	ppbv		ND	9.2	2.6	ug/m3
75-00-3	64.52	Chloroethane	ND	2.0	0.36	ppbv		ND	5.3	0.95	ug/m3
67-66-3	119.4	Chloroform	2.0	2.0	0.17	ppbv		9.8	9.8	0.83	ug/m3
74-87-3	50.49	Chloromethane	ND	2.0	0.52	ppbv		ND	4.1	1.1	ug/m3
107-05-1	76.53	3-Chloropropene	ND	2.0	0.27	ppbv		ND	6.3	0.85	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	2.0	0.17	ppbv		ND	10	0.88	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	2.0	0.31	ppbv		ND	13	2.0	ug/m3
110-82-7	84.16	Cyclohexane	ND	2.0	0.16	ppbv		ND	6.9	0.55	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	2.0	0.15	ppbv		ND	8.1	0.61	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	2.0	0.21	ppbv		ND	7.9	0.83	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	2.0	0.42	ppbv		ND	15	3.2	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	2.0	0.18	ppbv		ND	8.1	0.73	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	2.0	0.22	ppbv		ND	9.2	1.0	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	2.0	0.45	ppbv		ND	7.2	1.6	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	2.0	0.19	ppbv		ND	9.9	0.94	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	2.0	0.53	ppbv		ND	17	4.5	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	7.5	2.0	0.28	ppbv		30	7.9	1.1	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	31.2	2.0	0.21	ppbv		124	7.9	0.83	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	2.0	0.15	ppbv		ND	9.1	0.68	ug/m3
541-73-1	147	m-Dichlorobenzene	0.33	2.0	0.20	ppbv	J	2.0	12	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	2.0	0.16	ppbv		ND	12	0.96	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	2.0	0.27	ppbv		ND	12	1.6	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	2.0	0.18	ppbv		ND	9.1	0.82	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS-1
Lab Sample ID: JC40406-4
Matrix: AIR - Soil Vapor Comp. Summa ID: A1065
Method: TO-15
Project: National Plating, Syracuse, NY

Date Sampled: 03/30/17
Date Received: 04/05/17
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	52.5	5.0	0.75	ppbv		98.9	9.4	1.4	ug/m3
100-41-4	106.2	Ethylbenzene	1.9	2.0	0.42	ppbv	J	8.3	8.7	1.8	ug/m3
141-78-6	88	Ethyl Acetate	ND	2.0	0.75	ppbv		ND	7.2	2.7	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	2.0	0.17	ppbv		ND	9.8	0.84	ug/m3
76-13-1	187.4	Freon 113	ND	2.0	0.21	ppbv		ND	15	1.6	ug/m3
76-14-2	170.9	Freon 114	ND	2.0	0.31	ppbv		ND	14	2.2	ug/m3
142-82-5	100.2	Heptane	2.4	2.0	0.20	ppbv		9.8	8.2	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	2.0	0.20	ppbv		ND	21	2.1	ug/m3
110-54-3	86.17	Hexane	1.9	2.0	0.23	ppbv	J	6.7	7.0	0.81	ug/m3
591-78-6	100	2-Hexanone	ND	2.0	0.45	ppbv		ND	8.2	1.8	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	2.0	1.6	ppbv		ND	4.9	3.9	ug/m3
75-09-2	84.94	Methylene chloride	ND	2.0	0.25	ppbv		ND	6.9	0.87	ug/m3
78-93-3	72.11	Methyl ethyl ketone	10.6	2.0	0.48	ppbv		31.3	5.9	1.4	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	2.0	0.55	ppbv		ND	8.2	2.3	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	2.0	0.20	ppbv		ND	7.2	0.72	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	2.0	0.40	ppbv		ND	8.2	1.6	ug/m3
115-07-1	42	Propylene	ND	5.0	0.32	ppbv		ND	8.6	0.55	ug/m3
100-42-5	104.1	Styrene	ND	2.0	0.15	ppbv		ND	8.5	0.64	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	2.0	0.24	ppbv		ND	11	1.3	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	2.0	0.16	ppbv		ND	14	1.1	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	2.0	0.39	ppbv		ND	11	2.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	1.3	2.0	0.56	ppbv	J	9.7	15	4.2	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	2.2	2.0	0.15	ppbv		11	9.8	0.74	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	2.0	0.45	ppbv		ND	9.8	2.2	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	2.0	0.23	ppbv		ND	9.3	1.1	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	2.0	0.53	ppbv		ND	6.1	1.6	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.40	0.23	ppbv		ND	2.7	1.6	ug/m3
109-99-9	72.11	Tetrahydrofuran	3.9	2.0	0.45	ppbv		12	5.9	1.3	ug/m3
108-88-3	92.14	Toluene	17.5	2.0	0.12	ppbv		65.9	7.5	0.45	ug/m3
79-01-6	131.4	Trichloroethylene	107	0.40	0.19	ppbv		575	2.1	1.0	ug/m3
75-69-4	137.4	Trichlorofluoromethane	1.2	2.0	0.22	ppbv	J	6.7	11	1.2	ug/m3
75-01-4	62.5	Vinyl chloride	ND	2.0	0.21	ppbv		ND	5.1	0.54	ug/m3
108-05-4	86	Vinyl Acetate	ND	2.0	0.54	ppbv		ND	7.0	1.9	ug/m3
	106.2	m,p-Xylene	6.8	2.0	0.68	ppbv		30	8.7	3.0	ug/m3
95-47-6	106.2	o-Xylene	2.5	2.0	0.51	ppbv		11	8.7	2.2	ug/m3
1330-20-7	106.2	Xylenes (total)	9.3	2.0	0.51	ppbv		40	8.7	2.2	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	111%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS-2
Lab Sample ID: JC40406-5
Matrix: AIR - Soil Vapor Comp. Summa ID: A992
Method: TO-15
Project: National Plating, Syracuse, NY

Date Sampled: 03/30/17
Date Received: 04/05/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W23715.D	1.48	04/12/17	LM	n/a	n/a	V5W938
Run #2							

	Initial Volume
Run #1	148 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	39.1	0.80	0.14	ppbv		92.9	1.9	0.33	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.11	ppbv		ND	1.8	0.24	ug/m3
71-43-2	78.11	Benzene	ND	0.80	0.13	ppbv		ND	2.6	0.42	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.80	0.15	ppbv		ND	5.4	1.0	ug/m3
75-25-2	252.8	Bromoform	ND	0.80	0.063	ppbv		ND	8.3	0.65	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.074	ppbv		ND	3.1	0.29	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.074	ppbv		ND	3.5	0.32	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.11	ppbv		ND	4.1	0.57	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.13	ppbv		ND	2.5	0.40	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.22	ppbv		ND	3.7	1.0	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.14	ppbv		ND	2.1	0.37	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.066	ppbv		ND	3.9	0.32	ug/m3
74-87-3	50.49	Chloromethane	0.63	0.80	0.21	ppbv	J	1.3	1.7	0.43	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.11	ppbv		ND	2.5	0.34	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.068	ppbv		ND	4.1	0.35	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.80	0.12	ppbv		ND	5.0	0.75	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.065	ppbv		ND	2.8	0.22	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.061	ppbv		ND	3.2	0.25	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.80	0.084	ppbv		ND	3.2	0.33	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.80	0.17	ppbv		ND	6.1	1.3	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.070	ppbv		ND	3.2	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.088	ppbv		ND	3.7	0.41	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.18	ppbv		ND	2.9	0.65	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.56	0.80	0.076	ppbv	J	2.8	4.0	0.38	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.80	0.21	ppbv		ND	6.8	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.11	ppbv		ND	3.2	0.44	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.80	0.084	ppbv		ND	3.2	0.33	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.061	ppbv		ND	3.6	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.80	0.078	ppbv		ND	4.8	0.47	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.80	0.064	ppbv		ND	4.8	0.38	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.80	0.11	ppbv		ND	4.8	0.66	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.073	ppbv		ND	3.6	0.33	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS-2
Lab Sample ID: JC40406-5
Matrix: AIR - Soil Vapor Comp. Summa ID: A992
Method: TO-15
Project: National Plating, Syracuse, NY

Date Sampled: 03/30/17
Date Received: 04/05/17
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	214	2.0	0.30	ppbv	E	403	3.8	0.57	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.80	0.17	ppbv		ND	3.5	0.74	ug/m3
141-78-6	88	Ethyl Acetate	0.54	0.80	0.30	ppbv	J	1.9	2.9	1.1	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.80	0.067	ppbv		ND	3.9	0.33	ug/m3
76-13-1	187.4	Freon 113	ND	0.80	0.086	ppbv		ND	6.1	0.66	ug/m3
76-14-2	170.9	Freon 114	ND	0.80	0.13	ppbv		ND	5.6	0.91	ug/m3
142-82-5	100.2	Heptane	ND	0.80	0.081	ppbv		ND	3.3	0.33	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.80	0.081	ppbv		ND	8.5	0.86	ug/m3
110-54-3	86.17	Hexane	ND	0.80	0.090	ppbv		ND	2.8	0.32	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.18	ppbv		ND	3.3	0.74	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.80	0.62	ppbv		ND	2.0	1.5	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.80	0.10	ppbv		ND	2.8	0.35	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.2	0.80	0.19	ppbv		3.5	2.4	0.56	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.22	ppbv		ND	3.3	0.90	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.079	ppbv		ND	2.9	0.28	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.16	ppbv		ND	3.3	0.66	ug/m3
115-07-1	42	Propylene	ND	2.0	0.13	ppbv		ND	3.4	0.22	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.062	ppbv		ND	3.4	0.26	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.80	0.094	ppbv		ND	4.4	0.51	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.80	0.064	ppbv		ND	5.5	0.44	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.80	0.16	ppbv		ND	4.4	0.87	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.80	0.22	ppbv		ND	5.9	1.6	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.92	0.80	0.061	ppbv		4.5	3.9	0.30	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.80	0.18	ppbv		ND	3.9	0.88	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.091	ppbv		ND	3.7	0.43	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.80	0.21	ppbv		ND	2.4	0.64	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.19	0.16	0.092	ppbv		1.3	1.1	0.62	ug/m3
109-99-9	72.11	Tetrahydrofuran	7.4	0.80	0.18	ppbv		22	2.4	0.53	ug/m3
108-88-3	92.14	Toluene	0.92	0.80	0.050	ppbv		3.5	3.0	0.19	ug/m3
79-01-6	131.4	Trichloroethylene	111	0.16	0.074	ppbv		597	0.86	0.40	ug/m3
75-69-4	137.4	Trichlorofluoromethane	4.9	0.80	0.088	ppbv		28	4.5	0.49	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.80	0.082	ppbv		ND	2.0	0.21	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.22	ppbv		ND	2.8	0.77	ug/m3
	106.2	m,p-Xylene	1.1	0.80	0.27	ppbv		4.8	3.5	1.2	ug/m3
95-47-6	106.2	o-Xylene	0.50	0.80	0.20	ppbv	J	2.2	3.5	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	1.6	0.80	0.20	ppbv		6.9	3.5	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	108%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: INDOOR
Lab Sample ID: JC40406-6
Matrix: AIR - Indoor Air Comp. Summa ID: A845
Method: TO-15
Project: National Plating, Syracuse, NY

Date Sampled: 03/30/17
Date Received: 04/05/17
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W23692.D	1	04/11/17	LM	n/a	n/a	V5W937
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	42.5	0.80	0.14	ppbv		101	1.9	0.33	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.11	ppbv		ND	1.8	0.24	ug/m3
71-43-2	78.11	Benzene	ND	0.80	0.13	ppbv		ND	2.6	0.42	ug/m3
75-27-4	163.8	Bromodichloromethane	0.90	0.80	0.15	ppbv		6.0	5.4	1.0	ug/m3
75-25-2	252.8	Bromoform	ND	0.80	0.063	ppbv		ND	8.3	0.65	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.074	ppbv		ND	3.1	0.29	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.074	ppbv		ND	3.5	0.32	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.11	ppbv		ND	4.1	0.57	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.13	ppbv		ND	2.5	0.40	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.22	ppbv		ND	3.7	1.0	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.14	ppbv		ND	2.1	0.37	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.066	ppbv		ND	3.9	0.32	ug/m3
74-87-3	50.49	Chloromethane	0.62	0.80	0.21	ppbv	J	1.3	1.7	0.43	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.11	ppbv		ND	2.5	0.34	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.068	ppbv		ND	4.1	0.35	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.80	0.12	ppbv		ND	5.0	0.75	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.065	ppbv		ND	2.8	0.22	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.061	ppbv		ND	3.2	0.25	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.80	0.084	ppbv		ND	3.2	0.33	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.80	0.17	ppbv		ND	6.1	1.3	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.070	ppbv		ND	3.2	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.088	ppbv		ND	3.7	0.41	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.18	ppbv		ND	2.9	0.65	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.60	0.80	0.076	ppbv	J	3.0	4.0	0.38	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.80	0.21	ppbv		ND	6.8	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.11	ppbv		ND	3.2	0.44	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.80	0.084	ppbv		ND	3.2	0.33	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.061	ppbv		ND	3.6	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.80	0.078	ppbv		ND	4.8	0.47	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.80	0.064	ppbv		ND	4.8	0.38	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.80	0.11	ppbv		ND	4.8	0.66	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.073	ppbv		ND	3.6	0.33	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: INDOOR
Lab Sample ID: JC40406-6
Matrix: AIR - Indoor Air Comp. Summa ID: A845
Method: TO-15
Project: National Plating, Syracuse, NY

Date Sampled: 03/30/17
Date Received: 04/05/17
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	210	2.0	0.30	ppbv	E	396	3.8	0.57	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.80	0.17	ppbv		ND	3.5	0.74	ug/m3
141-78-6	88	Ethyl Acetate	1.1	0.80	0.30	ppbv		4.0	2.9	1.1	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.80	0.067	ppbv		ND	3.9	0.33	ug/m3
76-13-1	187.4	Freon 113	ND	0.80	0.086	ppbv		ND	6.1	0.66	ug/m3
76-14-2	170.9	Freon 114	ND	0.80	0.13	ppbv		ND	5.6	0.91	ug/m3
142-82-5	100.2	Heptane	ND	0.80	0.081	ppbv		ND	3.3	0.33	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.80	0.081	ppbv		ND	8.5	0.86	ug/m3
110-54-3	86.17	Hexane	ND	0.80	0.090	ppbv		ND	2.8	0.32	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.18	ppbv		ND	3.3	0.74	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.80	0.62	ppbv		ND	2.0	1.5	ug/m3
75-09-2	84.94	Methylene chloride	0.43	0.80	0.10	ppbv	J	1.5	2.8	0.35	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.2	0.80	0.19	ppbv		3.5	2.4	0.56	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.22	ppbv		ND	3.3	0.90	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.079	ppbv		ND	2.9	0.28	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.16	ppbv		ND	3.3	0.66	ug/m3
115-07-1	42	Propylene	ND	2.0	0.13	ppbv		ND	3.4	0.22	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.062	ppbv		ND	3.4	0.26	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.80	0.094	ppbv		ND	4.4	0.51	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.80	0.064	ppbv		ND	5.5	0.44	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.80	0.16	ppbv		ND	4.4	0.87	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.80	0.22	ppbv		ND	5.9	1.6	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.99	0.80	0.061	ppbv		4.9	3.9	0.30	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.80	0.18	ppbv		ND	3.9	0.88	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.091	ppbv		ND	3.7	0.43	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.80	0.21	ppbv		ND	2.4	0.64	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.22	0.16	0.092	ppbv		1.5	1.1	0.62	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.18	ppbv		ND	2.4	0.53	ug/m3
108-88-3	92.14	Toluene	1.0	0.80	0.050	ppbv		3.8	3.0	0.19	ug/m3
79-01-6	131.4	Trichloroethylene	121	0.16	0.074	ppbv		650	0.86	0.40	ug/m3
75-69-4	137.4	Trichlorofluoromethane	5.4	0.80	0.088	ppbv		30	4.5	0.49	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.80	0.082	ppbv		ND	2.0	0.21	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.22	ppbv		ND	2.8	0.77	ug/m3
	106.2	m,p-Xylene	1.2	0.80	0.27	ppbv		5.2	3.5	1.2	ug/m3
95-47-6	106.2	o-Xylene	0.50	0.80	0.20	ppbv	J	2.2	3.5	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	1.7	0.80	0.20	ppbv		7.4	3.5	0.87	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	109%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log

Air

SGS ACCUTEST

AIR CHAIN OF CUSTODY

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

725069277193

FED-EX Tracking # 725069277182 | Bottle Order Control # MPL032317-2IV | PAGE 1 OF 1
Lab Quote # | Lab Job # JC40406

Client / Reporting Information

Company Name: Plumley Engineering
Address: 8232 Loop Rd
City: Baldwinsville | State: NY | Zip: 13090
Project Contact: Matt Martin | E-mail: mmartin@plumleyeng.com
Phone #: 315 638 8587 | Fax #:
Sampler(s) Name(s): Matt Martin

Project Information

Project Name: National Plating
Street:
City: Syracuse | State:
Project #: 20101SD.006
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit)
Start: 30° | Maximum: 45°
Stop: 45° | Minimum: 30°
Atmoshpheric Pressure (inches of Hg)
Start: 30.3 | Maximum: 30.3
Stop: 30.15 | Minimum: 30.15
Other weather comment:

Requested Analysis

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Requested Analysis
1	VP-1	SV	A740	6L	FC609	3/30/17	7:36	32	29	MM	3/30/17	15:36	2	44°	DTH	
2	VP-2	SV	M007	6L	FC311	3/30/17	7:41	32	29	MM		15:41	32	44°		
3	Outdoor	A	A828	6L	FC722	3/30/17	7:46	28	29	MM		15:46	0	44°		
4	SS-1	SV	1065	6L	FC245	3/30/17	7:58	32	70	MM		15:58 DTH	5	70		
5	SS-2	SV	A992	6L	FC127	3/30/17	7:55	29	70	MM		15:55	8.25	70		
6	Indoor	I	A845	6L	FC467	3/30/17	7:51	32	70	MM		15:51	9.5	70		Summa

INITIAL ASESSMENT YNS
LABEL VERIFICATION

Turnaround Time (Business days)

Standard - 15 Days: X
10 Day
5 Day
3 Day
2 Day
1 Day
Other

Approved By: Freeman
Date: 3/24

Data Deliverable Information

All NJDEP TO-15 is mandatory Full T1
Comm A: X
Comm B
Reduced T2
Full T1
Other:
DKQP reporting

Comments / Remarks

Possible GW obstruction for VP-2

Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by	Date Time	Received By	Relinquished By	Date Time	Received By
1	Ray Mauriaw	3/24/17 1500	1 FedEx	2 FedEx	3/27/17	2
3		4/4/17	3 Fed Ex	4 Fedex	4/5/17 0945	4
5			5	Custody Seal #		

SGS Accutest Sample Receipt Summary

Job Number: JC40406 **Client:** _____ **Project:** _____

Date / Time Received: 4/5/2017 9:40:00 AM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☐		☐
2. Cooler temp verification:	N/A		
3. Cooler media:	N/A		
4. No. Coolers:	N/A		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

SM089-02
Rev. Date 12/1/16

JC40406: Chain of Custody
Page 2 of 2

Summa Canister and Flow Controller Log

Job Number: JC40406
Account: PLUMNYB Plumley Environmental Engineers
Project: National Plating, Syracuse, NY
Received: 04/05/17

SUMMA CANISTERS

Shipping							Receiving					
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A740	6	29.4	03/24/17	RD	CP9074	W58929.D	JC40406-1	04/05/17	RD		.5		1
M007	6	29.4	03/24/17	RD	CP9077	3W58980.D	JC40406-2	04/05/17	RD	28		1	16.65
A828	6	29.4	03/24/17	RD	CP9074	W58929.D	JC40406-3	04/05/17	RD		1		1
A1065	6	29.4	03/24/17	RD	CP9077	3W58980.D	JC40406-4	04/05/17	RD	3.5			1
A992	6	29.4	03/24/17	RD	CP9077	3W58980.D	JC40406-5	04/05/17	RD	8		1.2	1.48
A845	6	29.4	03/24/17	RD	CP9077	3W58980.D	JC40406-6	04/05/17	RD	7.5			1

FLOW CONTROLLERS / OTHER

Shipping					Receiving				
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	Flow RPD	Equipment Type
FC127	03/24/17	RD	9.4	8	04/05/17	RD	9	4.3	Flow Controller
FC245	03/24/17	RD	9.4	8	04/05/17	RD	9.4	0	Flow Controller
FC311	03/24/17	RD	9.4	8	04/05/17	RD	0	200*	Flow Controller
FC467	03/24/17	RD	9.4	8	04/05/17	RD	9.3	1.1	Flow Controller
FC609	03/24/17	RD	9.4	8	04/05/17	RD	9.3	1.1	Flow Controller
FC722	03/24/17	RD	9.4	8	04/05/17	RD	9.6	2.1	Flow Controller

* Flow controller RPD > 20%

SGS Accutest Bottle Order(s):
MP1_032317_215

Prep Date	Room Temp(F)	Bar Pres "Hg
03/24/17	70	29.92