PREPARED BY

EnviroForensics, LLC N16W23390 Stone Ridge Drive, Suite G Waukesha, WI 53188



February 9, 2022

David Lange The Grand Oshkosh 100 High Avenue Oshkosh, Wisconsin 54901

Subject: Environmental Investigation Sampling Results

BRRTS#: 02-71-467002

Dear Mr. Lange:

In accordance with the executed Agreement to Provide Access for Sampling Activities, and in accordance with Wisconsin Department of Natural Resources (WNDR) regulation NR 716.14, EnviroForensics, LLC is providing the results of environmental samples collected from the property located at 100 High Avenue, Oshkosh, Wisconsin. The samples were collected on January 20 and 26, 2022. The sampling activities are part of an environmental investigation being performed for the Gunderson Cleaners facility formerly located at 118 High Avenue at the direction of the WDNR pursuant to the authority granted to it under State and Federal law. The chemicals of concern for the investigation are the dry cleaning solvent tetrachloroethene (PCE) and its associated breakdown products.

The Responsible Party is:

Gunderson Cleaners 41 Main Street Menasha, WI 54952 920-727-4000

Sampling Results

Three (3) sub-slab vapor samples designated 200017-VP-J, 200017-VP-K and 200017-VP-L were collected from the basement of the Grand Oshkosh. The approximate sampling locations are depicted on the attached figure. Indoor air samples 200017-100-IA-B and 200017-100-IA-1 were collected from the basement and first floor, respectively. The results of the vapor and air samples are summarized and compared to the applicable WDNR standards on the attached table. The laboratory report that relates to the vapor and air samples is also attached.

Document: 200017-0247



As shown on the attached table, the chemicals of concern were not detected in the indoor air samples. Two (2) of the sub-slab vapor samples each contained PCE. The concentrations of all detected compounds were <u>well below</u> the vapor risk screening levels established by WDNR for use in evaluating chemical concentrations at sites such as this.

At this time we do not anticipate further sampling, unless directed by WDNR. If you have any questions or concerns, please contact me at 262-745-5054 or by email at bkappen@enviroforensics.com. The WDNR project manager, Kevin McKnight, can be reached at 920-808-0170. We greatly appreciate your help and patience with this matter.

Sincerely,

EnviroForensics, LLC

Brian Kappen, PG Project Manager

Copy: Kevin McKnight, Wisconsin Department of Natural Resources

Attachments: Sample Location Map

Results Summary Table

Laboratory Laboratory Report

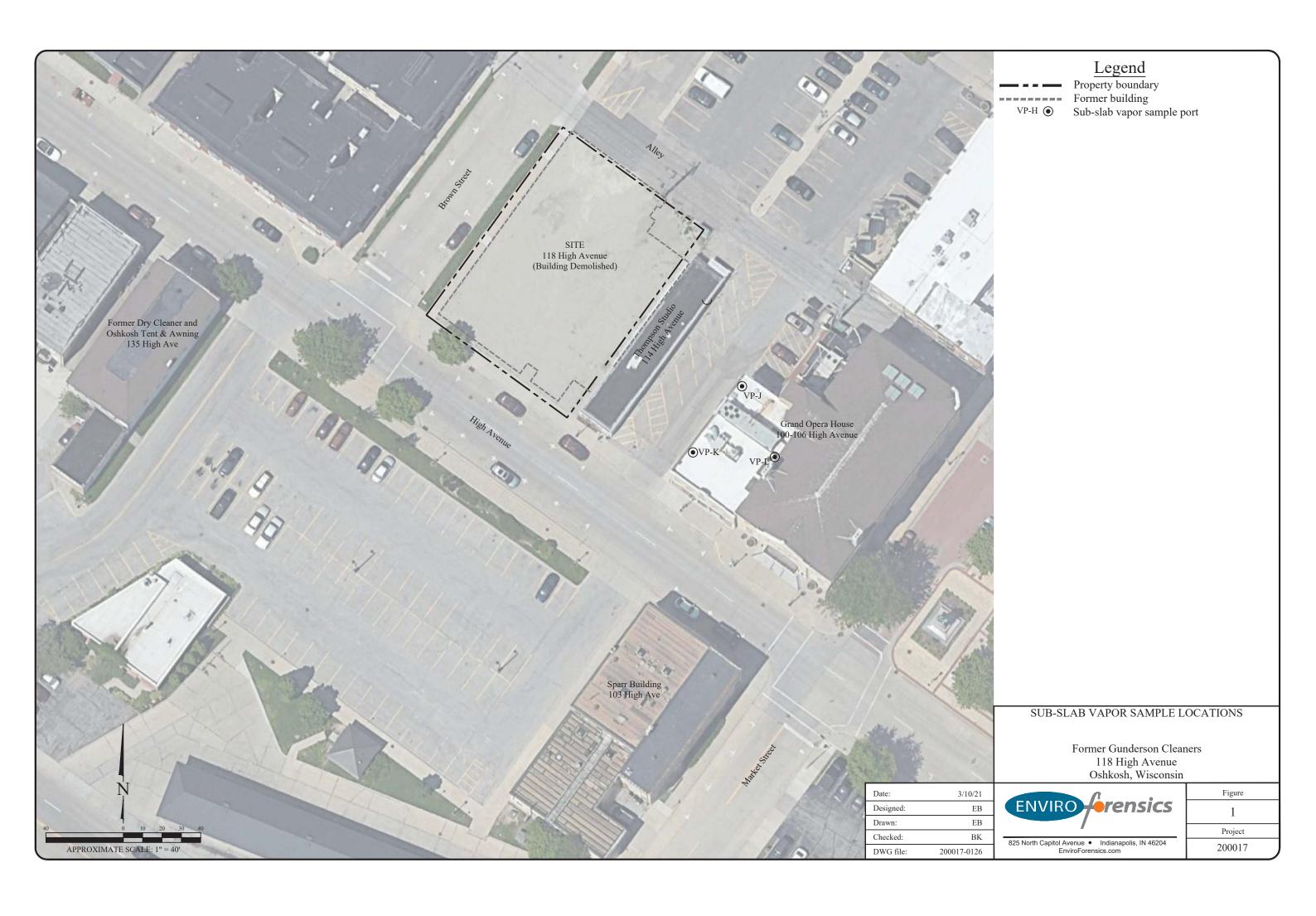


TABLE 1 VAPOR INTRUSION ASSESSMENT RESULTS SUMMARY

Former Gunderson Cleaners 118 High Ave, Oshkosh, Wisconsin

Address	Sample Identification	Sample Location	Exposure Criteria	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
INDOOR/OUTDOOR AIR									
	Small Comme	rcial Vapor Ac	tion Level		180	8.8	NE	180	28
	100-IA-1 Box Office		6/23/2021	<3.19	<1.07	<19.8	<39.6	<1.28	
100 High Ave	100-14-1	BOX Office	Small	1/26/2022	<3.19	<1.07	<19.8	<39.6	<1.28
100 High Ave	100-IA-B	Basement	Commercial	6/23/2021	<3.19	<1.07	<19.8	<39.6	<1.28
	100-IA-B	basement		1/26/2022	<3.19	<1.07	<19.8	<39.6	<1.28
			SU	B-SLAB VAPO	R				
Sı	mall Commercial	Vapor Risk So	creening Level		5,800	290	NE	5,800	930
	VP-J			6/24/2021	129	25.0	42.0	<39.6	<1.28
	V F-3			1/20/2022	93.6	<10.7	<198	<396	<12.8
100 High Ave	VP-K	Basement	Small	6/24/2021	1,500	5.91	<19.8	<39.6	<1.28
100 mgm Ave	V F - IX	Basement	Commercial	1/20/2022	65.8	<10.7	<198	<396	<12.8
	VP-L			6/24/2021	437	<1.07	<19.8	<39.6	<1.28
	VP-L			1/20/2022	<31.9	<10.7	<198	<396	<12.8

Notes:

Vapor Action and Risk Screeing Levels are calculated according to WDNR Publication RR-800 and subsequent vapor intrusion guidance Results reported in micrograms per cubic meter ($\mu g/m^3$)

Samples analyzed according to EPA Method TO-15

NE = Screening/action level not established

Bolded values are above detection limits

Bolded and shaded values exceed the applicable screening or action level





1441 Sadlier Circle West Drive Indianapolis, IN 46239 Ph: 317-351-0885 Fax: 317-351-0882 www.envision-air.com

Mr. Brian Kappen Enviroforensics N16 W. 23390 Stone Ridge Dr Suite G Waukesha, WI 53188

February 7, 2022

EnvisionAir Project Number: 2022-75

Client Project Name: 200017 - Oshkosh Gundersons

Dear Mr. Kappen,

Please find the attached analytical report for the samples received January 28, 2022. All test methods performed were fully compliant with local, state, and federal EPA methods unless otherwise noted. The project was analyzed as requested on the enclosed chain of custody record. Please review the comments section for additional information about your results or Quality Control data.

Feel free to contact me if you have any questions or comments regarding your analytical report or service.

Thank you for your business. EnvisionAir looks forward to working with you on your next project.

Yours Sincerely,

David Norris Project Manager EnvisionAir, LLC



1441 Sadlier Circle West Drive Indianapolis, IN 46239 Ph: 317-351-0885 Fax: 317-351-0882

www.envision-air.com

Client Name: ENVIROFORENSICS

Project ID: 200017 OSHKOSH GUNDERSONS

Client Project Manager: BRIAN KAPPEN

EnvisionAir Project Number: 2022-75

Sample Summary

Canister Pressure / Vacuum

			START	START							<u>Lab</u>
			Date	Time	End Date	End Time	Date	Time	Initial Field	Final Field	Received
Laboratory Sample Number:	Sample Description:	Matrix:	Collected:	Collected:	Collected:	Collected:	Received:	Received	(in. Hg)	(in. Hg)	(in. Hg)
22-401	20017-100-IA-1	Α	1/26/22	9:06	1/26/22	16:50	1/28/22	14:00	-29	-10	-10
22-402	20017-100-IA-B	Α	1/26/22	9:05	1/26/22	16:48	1/28/22	14:00	-30	-11	-11
22-403	200017-OA	Α	1/19/22	8:45	1/19/22	16:40	1/28/22	14:00	-29	-9	-9
22-404	200017-VP-K	Α	1/20/22	12:24	1/20/22	12:29	1/28/22	14:00	-29	-3	-3
22-405	200017-VP-L	Α	1/20/22	12:45	1/20/22	12:51	1/28/22	14:00	-29	-3	-3
22-406	200017-VP-J	Α	1/20/22	13:03	1/20/22	13:06	1/28/22	14:00	-27	-3	-3



1441 Sadlier Circle West Drive Indianapolis, IN 46239 Ph: 317-351-0885 Fax: 317-351-0882 www.envision-air.com

Client Name: ENVIROFORENSICS

Project ID: 200017 OSHKOSH GRUNDERSONS

Client Project Manager: BRIAN KAPPEN

EnvisionAir Project Number: 2022-75

Analytical Method: TO-15
Analytical Batch: 020122AIR(1)

Client Sample ID: 200017-100-IA-1 Sample Collection START Date/Time: 1/26/22 9:06

Sample Collection END Date/Time: 1/26/22 16:50 EnvisionAir Sample Number: 22-401 Sample Received Date/Time: 1/28/22 14:00

Compounds	Sample Results ug/m ³	Reporting Limit ug/m ³ Flag	1
cis-1,2-Dichloroethene	< 19.8	19.8	_
Tetrachloroethene	< 3.19	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surro	gate) 107%		
Analysis Date/Time:	2-1-22/19:21		
Analyst Initials	tjg		



1441 Sadlier Circle West Drive Indianapolis, IN 46239 Ph: 317-351-0885 Fax: 317-351-0882

www.envision-air.com

Client Name: ENVIROFORENSICS

Project ID: 200017 OSHKOSH GRUNDERSONS

Client Project Manager: BRIAN KAPPEN

EnvisionAir Project Number: 2022-75

Analytical Method: TO-15
Analytical Batch: 020122AIR(1)

Client Sample ID: 200017-100-IA-B Sample Collection START Date/Time: 1/26/22 9:05

Sample Collection END Date/Time: 1/26/22 16:48
EnvisionAir Sample Number: 22-402 Sample Received Date/Time: 1/28/22 14:00

Compounds	Sample Results ug	/m ³ Reporting Limit ug/m ³	<u>Flag</u>
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	< 3.19	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surr	ogate) 107%		
Analysis Date/Time:	2-1-22/20	0:04	
Analyst Initials	tjg		



1441 Sadlier Circle West Drive Indianapolis, IN 46239 Ph: 317-351-0885 Fax: 317-351-0882 www.envision-air.com

Client Name: ENVIROFORENSICS

Project ID: 200017 OSHKOSH GRUNDERSONS

Client Project Manager: BRIAN KAPPEN

EnvisionAir Project Number: 2022-75

Analytical Method: TO-15
Analytical Batch: 020122AIR(1)

Client Sample ID: 200017-OA Sample Collection START Date/Time: 1/19/22 8:45

Sample Collection END Date/Time: 1/19/22 16:40 EnvisionAir Sample Number: 22-403 Sample Received Date/Time: 1/28/22 14:00

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	<u>Flag</u>
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	< 3.19	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surr	ogate) 97%		
Analysis Date/Time:	2-1-22/18:37		
Analyst Initials	tjg		



1441 Sadlier Circle West Drive Indianapolis, IN 46239 Ph: 317-351-0885 Fax: 317-351-0882 www.envision-air.com

Client Name: ENVIROFORENSICS

Project ID: 200017 OSHKOSH GRUNDERSONS

Client Project Manager: BRIAN KAPPEN

EnvisionAir Project Number: 2022-75

Analytical Method: TO-15
Analytical Batch: 020122AIR(2)

Client Sample ID: 200017-VP-K Sample Collection START Date/Time: 1/20/22 12:24

Sample Collection END Date/Time: 1/20/22 12:29
EnvisionAir Sample Number: 22-404 Sample Received Date/Time: 1/28/22 14:00

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
cis-1,2-Dichloroethene	< 198	198	
Tetrachloroethene	65.8	31.9	
trans-1,2-Dichloroethene	< 396	396	
Trichloroethene	< 10.7	10.7	
Vinyl Chloride	< 12.8	12.8	
4-bromofluorobenzene (surro	ogate) 100%		
Analysis Date/Time:	2-2-22/19:18		
Analyst Initials	tjg		



1441 Sadlier Circle West Drive Indianapolis, IN 46239 Ph: 317-351-0885 Fax: 317-351-0882

Fax: 317-351-0882 www.envision-air.com

Client Name: ENVIROFORENSICS

Project ID: 200017 OSHKOSH GRUNDERSONS

Client Project Manager: BRIAN KAPPEN

EnvisionAir Project Number: 2022-75

Analytical Method: TO-15
Analytical Batch: 020122AIR(2)

Client Sample ID: 200017-VP-L Sample Collection START Date/Time: 1/20/22 12:45

 Sample Collection END Date/Time:
 1/20/22
 12:51

 ber:
 22-405
 Sample Received Date/Time:
 1/28/22
 14:00

EnvisionAir Sample Number: 22-405
Sample Matrix: AIR

Compounds	Sample Results ug/m ³	Reporting Limit ug/m³	<u>Flag</u>
cis-1,2-Dichloroethene	< 198	198	
Tetrachloroethene	< 31.9	31.9	
trans-1,2-Dichloroethene	< 396	396	
Trichloroethene	< 10.7	10.7	
Vinyl Chloride	< 12.8	12.8	
4-bromofluorobenzene (surr	ogate) 100%		
Analysis Date/Time:	2-2-22/20:01		
Analyst Initials	tjg		



1441 Sadlier Circle West Drive Indianapolis, IN 46239 Ph: 317-351-0885 Fax: 317-351-0882

www.envision-air.com

Client Name: ENVIROFORENSICS

Project ID: 200017 OSHKOSH GRUNDERSONS

Client Project Manager: BRIAN KAPPEN

EnvisionAir Project Number: 2022-75

Analytical Method: TO-15
Analytical Batch: 020122AIR(2)

Client Sample ID: 200017-VP-J Sample Collection START Date/Time: 1/20/22 13:03

Sample Collection END Date/Time: 1/20/22 13:06
EnvisionAir Sample Number: 22-406 Sample Received Date/Time: 1/28/22 14:00

Sample Matrix: AIR

Sample Results ug/m³ Reporting Limit ug/m³ Compounds <u>Flag</u> cis-1,2-Dichloroethene < 198 198 31.9 Tetrachloroethene 93.6 trans-1,2-Dichloroethene < 396 396 Trichloroethene < 10.7 10.7 Vinyl Chloride < 12.8 12.8 4-bromofluorobenzene (surrogate) 102%

Analysis Date/Time: 2-2-22/20:44
Analyst Initials tjg



1441 Sadlier Circle West Drive Indianapolis, IN 46239 Ph: 317-351-0885 Fax: 317-351-0882 www.envision-air.com

Analytical Report

TO-15 Quality Control Data

EnvisionAir Batch Number: 020122AIR(1)

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	<u>Flags</u>
cis-1,2-Dichloroethene	< 5	5	
Tetrachloroethene	< 0.47	0.47	
trans-1,2-Dichloroethene	< 10	10	
Trichlorethene	< 0.2	0.2	
Vinyl Chloride	< 0.5	0.5	
4-bromofluorobenzene (surrogate)	96%		
Analysis Date/Time:	2-1-22/13:45		
Analyst Initials	tjg		

			LCS/D	LCS	LCSD		
LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	Conc(ppbv)	Rec.	Rec.	RPD	Flag
Vinyl Chloride	9.9	9.69	10	99%	97%	2.1%	
trans-1,2-Dichloroethene	8.59	9.94	10	86%	99%	14.6%	
cis-1,2-Dichloroethene	11.5	10.4	10	115%	104%	10.0%	
Trichloroethene	10.3	10.5	10	103%	105%	1.9%	
Tetrachloroethene	9.7	8.62	10	97%	86%	11.8%	
4-bromofluorobenzene (surrogate)	103%	93%					
Analysis Date/Time:	2-1-22/12:17	2-1-22/13:07					
Analyst Initials	tjg	tjg					



1441 Sadlier Circle West Drive Indianapolis, IN 46239 Ph: 317-351-0885 Fax: 317-351-0882 www.envision-air.com

Analytical Report

TO-15 Quality Control Data

EnvisionAir Batch Number: 020122AIR(2)

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	<u>Flags</u>
cis-1,2-Dichloroethene	< 5	5	·
Tetrachloroethene	< 0.47	0.47	
trans-1,2-Dichloroethene	< 10	10	
Trichlorethene	< 0.2	0.2	
Vinyl Chloride	< 0.5	0.5	
4-bromofluorobenzene (surrogate)	100%		
Analysis Date/Time:	2-2-22/13:40		
Analyst Initials	tjg		

			LCS/D	LCS	LCSD		
<u>LCS/LCSD</u>	LCS Results (ppbv)	LCSD Results (ppbv)	Conc(ppbv)	Rec.	Rec.	<u>RPD</u>	<u>Flag</u>
Vinyl Chloride	9.61	9.48	10	96%	95%	1.4%	
trans-1,2-Dichloroethene	9.87	10.2	10	99%	102%	3.3%	
cis-1,2-Dichloroethene	10.6	10.4	10	106%	104%	1.9%	
Trichloroethene	9.83	10.8	10	98%	108%	9.4%	
Tetrachloroethene	9.25	9.44	10	93%	94%	2.0%	
4-bromofluorobenzene (surrogate)	94%	103%					
Analysis Date/Time:	2-2-22/12:20	2-2-22/13:02					
Analyst Initials	tjg	tjg					



1441 Sadlier Circle West Drive Indianapolis, IN 46239 Ph: 317-351-0885 Fax: 317-351-0882 www.envision-air.com

Flag Number Comments

CHAIN OF CUSTODY RECORD

EnvisionAir | 1441 Sadlier Circle West Drive | Indianapolis, IN 46239 | Phone: (317) 351-0885 | Fax: (317) 351-0882

Client: Enviro Forensi	CS		ımber: Z	30-15C	08		DEOLIS	CTED	PARAME	TEDC				
Report bkappene Address: Environments ic	5. C 8.00	Project		Number: 70			KEQUI	- J	/a /					
U			<u>05/10-10-10-10-10-10-10-10-10-10-10-10-10-1</u>	<u>unclere</u>	<u>3005</u>		/	/ /		// -				
Report To: Brankak				Braw				/\$	š/ /		a Fr	WVI	SIC	NAR
Phone: 262-290-40		QA/QC	Required:	(circle if applied III Leve	cable) el IV			/&* .*	///	Sampling Type:				
Invoice Address: OCCON- Environmensics: CO	೯ ೯ ೯	Reporti		needed: (circ				?/ ,	//	Soil-Gas: □ Sub-Slab: ▼	i	www.en	vision-air.c	om
Desired TAT: (Please Circle One) 1 day 2 days 3 days Std (5 b	7	Media type:	: 1LC = 1 Liter 6LC = 6 Liter TB = Tedlar TD = Therm	Canister	•	/45				Indoor-Air: 🕱	Canister	Pressure /		~~~
Air Sample ID	Media Type (see code above)	Coll. Date (Grab/Comp	Coll. Time	Coll. Date (Comp. End)	Coll. Time (Comp. End)				Canister Serial #	Flow Controller Serial #	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)	EnvisionAir Sample Number
200017-100-1A-1 (116-12	1650		Χ		91573	0771	-29	-10	-10	22-401
200017-100-1A-B	1	- كن- كد	905	1-26-22	1648		<u> </u>		4653	08007	-30	-11	-1/	22-402
200017-0A		1-19-22	845	1-101-22	1640		9		10346	05218	-29	-9	-9	24-03
200017-40-K	ILC	120-02	1224	1-20-22	1229				83729	0046	-79	-3	-3	22-404
200017-VP-L			1245		1251				2230	00800	-29	-3	-3	32-405
200017-VP-J	\bigvee	V	1303	4	1306		*		-೧೫ಔ	D006	-27	-3	-3	22-40 6
Comments:			<u> </u>		<u> </u>					<u> </u>	1	1	1	,
Short List: Pa	E, TCI	E, CI	x E. T	EDCE,	VC									

 Relinquished by:
 Date
 Time
 Received by:
 Date
 Time

 1-17-12
 1630
 Fedex
 1-17-12
 1630

 4-00
 1-38-32
 14.00