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COPY

January 13, 2015

BRRTS #: 02-41-242945

RECEIVED
FEB 09 2015
BY: .....

Sal Purpora
5025 South Packard Avenue
Cudahy, WI 53113

Subject: MSF Corp. – Indoor Air Sampling Report

Dear Mr. Purpora,

Enclosed is the report for the Indoor Air Sampling conducted at the MSF Corp. property located at 5025 South Packard Avenue in Cudahy, Wisconsin.

Indoor Air Sampling Project

On December 17-18, 2014, indoor air samples were collected within the onsite building at three separate locations. The samples were collected using a Suma Canister with a flow regulator that allowed the air sample to be collected over a 24-hour period for VOC (TO-15) analysis. All of the canisters were elevated about 2-4 feet off the floor. The sample locations were as follows:

SC-1 – The northwest corner of the building that is warehouse space used for storage.
SC-2 – The southeast corner of the building that is used for office space.
SC-3 – Approximately the middle of the building that is warehouse space used for storage.

Samples SC-1 and SC-3 were collected in are areas where chemicals are commonly used for cleaning and repairing equipment. Sample SC-2 was collected in an area with odors of cigar and cigarette smoke.

A site map has been attached showing the building layout, extent of groundwater contamination, and the air sampling locations.

Indoor Air Sampling Results

SC-1 – Several VOC compounds were detected with one exceedance of the Non-Residential Indoor Air Vapor Action Levels (Quick Look-up Table updated on 12/4/14) for Trichloroethylene. The concentration was 9.7 ug/m3 with the Action Level being 8.8 ug/m3.

SC-2 – Several VOC compounds were detected, but there were no exceedances of the Non-Residential Indoor Air Vapor Action Levels (Quick Look-up Table updated on 12/4/14).

SC-3 – Several VOC compounds were detected, but there were no exceedances of the Non-Residential Indoor Air Vapor Action Levels (Quick Look-up Table updated on 12/4/14).

The sampling results are summarized in the attached data table. The laboratory report is also attached.

Conclusions/Recommendations

Since samples SC-2 (office area) and SC-3 (main warehouse) showed no exceedances of the Non-Residential Indoor Air Vapor Action Levels, it appears that the air quality in these areas are of minor concern.

Since sample SC-2 (back warehouse) showed an exceedance level for Trichloroethylene, it appears that there is a possibility that the contamination located in the groundwater below the building has infiltrated the air within the building. The direct pathway is unknown but could be through cracks within the floor or possibly through the numerous subslab sampling ports/temp wells that are located in that immediate area. However, it is also possible that all the detects found in all the samples could be a result of normal air quality within this business/warehouse and/or is being affected by several neighboring properties which have current industrial activities.

It should be noted that the Trichloroethylene concentration found (9.7 ug/mm3) was only 0.9 ug/m3 above the Action Level (8.8 ug/m3)...and since this is an area where workers do not spend much time, the concern may be minimal. Also, much of the warehouse is a vast open space with a high ceiling (2-3 stories) and has fans moving air constantly.

Per your request, a copy of this report is being sent to Doug Cieslak of the Wisconsin Department of Natural Resources.

Sincerely,

Ronald J. Anderson
Senior Hydrogeologist

Attachments

c: Doug Cieslak - WDNR

A.5 Vapor Analytical Table
Indoor Air Sampling Data Table for MSF Corp.
BY METCO

Vapor Sampling conducted Conducted on December 18, 2014

Sample ID	SC-1	SC-2	SC-3	WDNR Non-Residential Indoor Air Vapor Action Levels for Various VOCs Quick Look-Up Table Updated December 4, 2014 (ug/m³)	
Benzene – ug/m³	0.76	0.98	0.89	16	c
Carbon Tetrachloride – ug/m³	<0.40	<0.44	<0.40	20	c
Chloroform – ug/m³	<0.23	<0.25	<0.23	5.3	c
Chloromethane – ug/m³	0.65	<0.27	1.0	390	n
Dichlorodifluoromethane – ug/m³	1.8	1.5	1.9	440	n
1,1-Dichloroethane (1,1-DCA) – ug/m³	1.3	<0.19	0.70	77	c
1,2-Dichloroethane (1,2-DCA) - ug/m³	<0.15	<0.17	<0.15	4.70	c
1,1-Dichloroethylene – ug/m³	1.6	<0.14	0.69	880	n
1,2-Dichloroethylene (cis and mixed) - ug/m³	0.97	<0.27	<0.25	NA	n
1,2-Dichloroethylene (trans) - ug/m³	<0.21	<0.23	<0.21	NA	n
Ethylbenzene – ug/m³	0.69	0.76	1.1	49	c
Methylene chloride – ug/m³	1.4	17.6	2.8	2600	n
Methyl Tert-Butyl Ether (MTBE) – ug/m³	<0.11	<0.12	<0.11	470	c
Naphthalene – ug/m³	<0.33	2.7	1.8	3.60	c
Tetrachloroethylene -ug/m³	3.0	1.2	2.1	180	n
Toluene – ug/m³	4.0	4.3	5.4	22000	n
1,1,1-Trichloroethane – ug/m³	26.2	4.5	16.0	22000	n
Trichloroethylene – ug/m³	**9.7**	<0.25	4.6	8.8	n
Trichlorofluoromethane (Halcarbon 11) – ug/m³	6.3	3.6	6.2	3100	n
Trimethylbenzene (1,2,4) – ug/m³	0.80	0.97	0.82	31	n
Trimethlybezene (1,3,5) – ug/m³	<0.26	<0.29	<0.26	NA	n
Vinyl chloride – ug/m³	<0.12	<0.13	<0.12	28	c
Xylene (mix) -ug/m³	2.4	2.4	3.9	440	n
Xylene (n,m,o separately) – ug/m³	0.79	0.77	1.4	440	n

ug/m³ = Micrograms per cubic meter.
< = Less than the reporting limit indicated in parentheses.
Bold = detects
c = Carcinogen
Underline = Indoor Residential Air Standard Exceedance

* Please note that other VOCs were detected that are not on the WDNR Indoor Air Vapor Action Levels Quick Look-Up Table.

B.3.b GROUNDWATER ISOCONCENTRATION. APRIL 24. 2014

MSF CORP.

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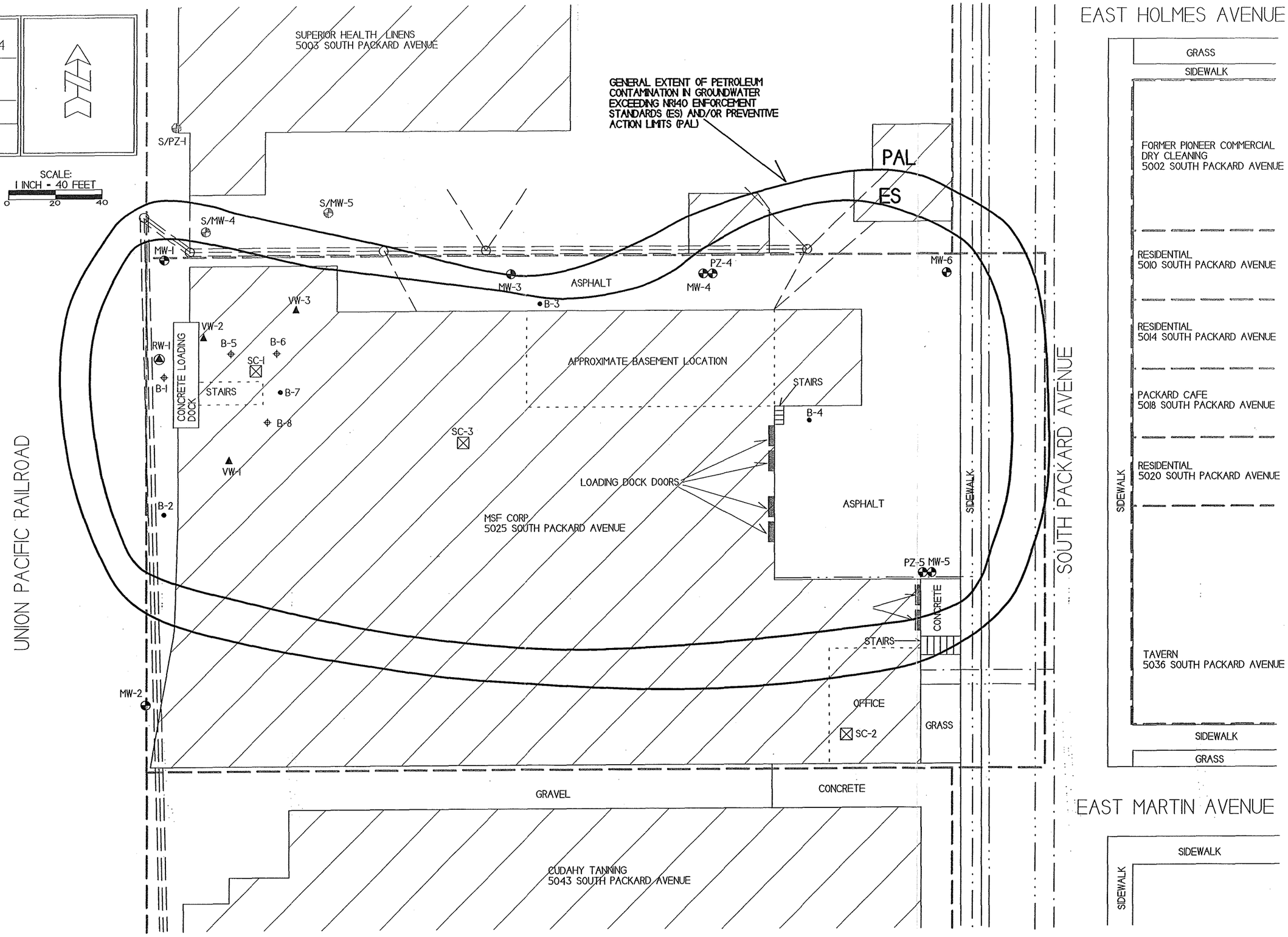
CUDAHY, WISCONSIN

DRAWN BY: ED
DATE: 07/17/2014

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

SCALE: 1 INCH = 40 FEET
0 20 40

- SOIL BORING LOCATION
- SOIL VAPOR MONITORING WELL LOCATION
- TEMPORARY MONITORING WELL LOCATION
- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- INDOOR AIR SAMPLE LOCATION
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- NATURAL GAS LINE
- OVERHEAD UTILITIES
- PROPERTY BOUNDARY



Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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(612)607-1700

December 30, 2014

Eric Dahl
METCO Environmental
709 Gillette St Ste 3
La Crosse, WI 54603

RE: Project: MSF Corp
Pace Project No.: 10292510

Dear Eric Dahl:
Enclosed are the analytical results for sample(s) received by the laboratory on December 22, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carolynne Trout

Carolynne Trout
carolynne.trout@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: MSF Corp
Pace Project No.: 10292510

Minnesota Certification IDs
1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: MSF Corp
Pace Project No.: 10292510

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10292510001	SC-1	Air	12/18/14 09:26	12/22/14 12:00
10292510002	SC-2	Air	12/18/14 09:17	12/22/14 12:00
10292510003	SC-3	Air	12/18/14 09:22	12/22/14 12:00

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SAMPLE ANALYTE COUNT

Project: MSF Corp
Pace Project No.: 10292510

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10292510001	SC-1	TO-15	AH2	61	PASI-M
10292510002	SC-2	TO-15	AH2	61	PASI-M
10292510003	SC-3	TO-15	AH2	61	PASI-M

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ANALYTICAL RESULTS

Project: MSF Corp
Pace Project No.: 10292510

Sample: SC-1 **Lab ID: 10292510001** Collected: 12/18/14 09:26 Received: 12/22/14 12:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Acetone	**11.2**	ug/m3	3.0	1.5	1.26		12/28/14 10:43	67-64-1	
Benzene	**0.76**	ug/m3	0.41	0.15	1.26		12/28/14 10:43	71-43-2	
Benzyl chloride	**<0.66**	ug/m3	1.3	0.66	1.26		12/28/14 10:43	100-44-7	
Bromodichloromethane	**<0.23**	ug/m3	1.7	0.23	1.26		12/28/14 10:43	75-27-4	
Bromoform	**<0.41**	ug/m3	2.6	0.41	1.26		12/28/14 10:43	75-25-2	
Bromomethane	**<0.34**	ug/m3	1.0	0.34	1.26		12/28/14 10:43	74-83-9	
1,3-Butadiene	**<0.11**	ug/m3	0.57	0.11	1.26		12/28/14 10:43	106-99-0	
2-Butanone (MEK)	**2.3**	ug/m3	0.76	0.34	1.26		12/28/14 10:43	78-93-3	
Carbon disulfide	**<0.091**	ug/m3	0.79	0.091	1.26		12/28/14 10:43	75-15-0	
Carbon tetrachloride	**<0.40**	ug/m3	4.0	0.40	1.26		12/28/14 10:43	56-23-5	
Chlorobenzene	**<0.13**	ug/m3	1.2	0.13	1.26		12/28/14 10:43	108-90-7	
Chloroethane	**<0.20**	ug/m3	0.68	0.20	1.26		12/28/14 10:43	75-00-3	
Chloroform	**<0.23**	ug/m3	0.62	0.23	1.26		12/28/14 10:43	67-66-3	
Chloromethane	**0.65**	ug/m3	0.53	0.24	1.26		12/28/14 10:43	74-87-3	
Cyclohexane	**<0.16**	ug/m3	0.88	0.16	1.26		12/28/14 10:43	110-82-7	
Dibromochloromethane	**<1.1**	ug/m3	2.2	1.1	1.26		12/28/14 10:43	124-48-1	
1,2-Dibromoethane (EDB)	**<0.29**	ug/m3	2.0	0.29	1.26		12/28/14 10:43	106-93-4	
1,2-Dichlorobenzene	**<0.18**	ug/m3	1.5	0.18	1.26		12/28/14 10:43	95-50-1	
1,3-Dichlorobenzene	**<0.29**	ug/m3	1.5	0.29	1.26		12/28/14 10:43	541-73-1	
1,4-Dichlorobenzene	**<0.25**	ug/m3	1.5	0.25	1.26		12/28/14 10:43	106-46-7	
Dichlorodifluoromethane	**1.8**	ug/m3	1.3	0.14	1.26		12/28/14 10:43	75-71-8	
1,1-Dichloroethane	**1.3**	ug/m3	1.0	0.18	1.26		12/28/14 10:43	75-34-3	
1,2-Dichloroethane	**<0.15**	ug/m3	0.52	0.15	1.26		12/28/14 10:43	107-06-2	
1,1-Dichloroethene	**1.6**	ug/m3	1.0	0.13	1.26		12/28/14 10:43	75-35-4	
cis-1,2-Dichloroethene	**0.97J**	ug/m3	2.5	0.25	1.26		12/28/14 10:43	156-59-2	
trans-1,2-Dichloroethene	**<0.21**	ug/m3	1.0	0.21	1.26		12/28/14 10:43	156-60-5	
1,2-Dichloropropane	**<0.19**	ug/m3	1.2	0.19	1.26		12/28/14 10:43	78-87-5	
cis-1,3-Dichloropropene	**<0.17**	ug/m3	1.2	0.17	1.26		12/28/14 10:43	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/m3	1.2	0.19	1.26		12/28/14 10:43	10061-02-6	
Dichlorotetrafluoroethane	**<0.31**	ug/m3	1.8	0.31	1.26		12/28/14 10:43	76-14-2	
Ethanol	**7.2**	ug/m3	1.2	0.40	1.26		12/28/14 10:43	64-17-5	
Ethyl acetate	**<0.16**	ug/m3	2.3	0.16	1.26		12/28/14 10:43	141-78-6	
Ethylbenzene	**0.69J**	ug/m3	1.1	0.23	1.26		12/28/14 10:43	100-41-4	
4-Ethyltoluene	**<0.22**	ug/m3	1.3	0.22	1.26		12/28/14 10:43	622-96-8	
n-Heptane	**<0.20**	ug/m3	1.0	0.20	1.26		12/28/14 10:43	142-82-5	
Hexachloro-1,3-butadiene	**<0.52**	ug/m3	2.8	0.52	1.26		12/28/14 10:43	87-68-3	
n-Hexane	**1.0**	ug/m3	0.91	0.13	1.26		12/28/14 10:43	110-54-3	
2-Hexanone	**<0.27**	ug/m3	1.0	0.27	1.26		12/28/14 10:43	591-78-6	
Methylene Chloride	**1.4J**	ug/m3	4.4	0.29	1.26		12/28/14 10:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.22**	ug/m3	2.6	0.22	1.26		12/28/14 10:43	108-10-1	
Methyl-tert-butyl ether	**<0.11**	ug/m3	0.92	0.11	1.26		12/28/14 10:43	1634-04-4	
Naphthalene	**<0.33**	ug/m3	3.4	0.33	1.26		12/28/14 10:43	91-20-3	
2-Propanol	**9.2**	ug/m3	1.6	0.12	1.26		12/28/14 10:43	67-63-0	
Propylene	**8.3**	ug/m3	0.44	0.14	1.26		12/28/14 10:43	115-07-1	
Styrene	**<0.17**	ug/m3	1.1	0.17	1.26		12/28/14 10:43	100-42-5	
1,1,2,2-Tetrachloroethane	**<0.29**	ug/m3	0.88	0.29	1.26		12/28/14 10:43	79-34-5	

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ANALYTICAL RESULTS

Project: MSF Corp
Pace Project No.: 10292510

Sample: SC-1 Lab ID: **10292510001** Collected: 12/18/14 09:26 Received: 12/22/14 12:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Tetrachloroethene	**3.0**	ug/m3	0.87	0.24	1.26		12/28/14 10:43	127-18-4	
Tetrahydrofuran	**<0.18**	ug/m3	0.76	0.18	1.26		12/28/14 10:43	109-99-9	
Toluene	**4.0**	ug/m3	0.97	0.17	1.26		12/28/14 10:43	108-88-3	
1,2,4-Trichlorobenzene	**<0.46**	ug/m3	1.9	0.46	1.26		12/28/14 10:43	120-82-1	
1,1,1-Trichloroethane	**26.2**	ug/m3	1.4	0.18	1.26		12/28/14 10:43	71-55-6	
1,1,2-Trichloroethane	**<0.31**	ug/m3	0.69	0.31	1.26		12/28/14 10:43	79-00-5	
Trichloroethene	**9.7**	ug/m3	0.69	0.22	1.26		12/28/14 10:43	79-01-6	
Trichlorofluoromethane	**6.3**	ug/m3	1.4	0.17	1.26		12/28/14 10:43	75-69-4	
1,1,2-Trichlorotrifluoroethane	**<0.20**	ug/m3	2.0	0.20	1.26		12/28/14 10:43	76-13-1	
1,2,4-Trimethylbenzene	**0.80J**	ug/m3	1.3	0.15	1.26		12/28/14 10:43	95-63-6	
1,3,5-Trimethylbenzene	**<0.26**	ug/m3	1.3	0.26	1.26		12/28/14 10:43	108-67-8	
Vinyl acetate	**<0.44**	ug/m3	0.90	0.44	1.26		12/28/14 10:43	108-05-4	
Vinyl chloride	**<0.12**	ug/m3	0.33	0.12	1.26		12/28/14 10:43	75-01-4	
m&p-Xylene	**2.4**	ug/m3	2.2	0.18	1.26		12/28/14 10:43	179601-23-1	
o-Xylene	**0.79J**	ug/m3	1.1	0.56	1.26		12/28/14 10:43	95-47-6	

Sample: SC-2 Lab ID: **10292510002** Collected: 12/18/14 09:17 Received: 12/22/14 12:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Acetone	**9.5**	ug/m3	3.4	1.7	1.39		12/28/14 11:10	67-64-1	
Benzene	**0.98**	ug/m3	0.45	0.16	1.39		12/28/14 11:10	71-43-2	
Benzyl chloride	**<0.73**	ug/m3	1.5	0.73	1.39		12/28/14 11:10	100-44-7	
Bromodichloromethane	**<0.25**	ug/m3	1.9	0.25	1.39		12/28/14 11:10	75-27-4	
Bromoform	**<0.45**	ug/m3	2.9	0.45	1.39		12/28/14 11:10	75-25-2	
Bromomethane	**<0.38**	ug/m3	1.1	0.38	1.39		12/28/14 11:10	74-83-9	
1,3-Butadiene	**<0.12**	ug/m3	0.63	0.12	1.39		12/28/14 11:10	106-99-0	
2-Butanone (MEK)	**<0.38**	ug/m3	0.83	0.38	1.39		12/28/14 11:10	78-93-3	
Carbon disulfide	**0.72J**	ug/m3	0.88	0.10	1.39		12/28/14 11:10	75-15-0	
Carbon tetrachloride	**<0.44**	ug/m3	4.4	0.44	1.39		12/28/14 11:10	56-23-5	
Chlorobenzene	**<0.15**	ug/m3	1.3	0.15	1.39		12/28/14 11:10	108-90-7	
Chloroethane	**<0.22**	ug/m3	0.75	0.22	1.39		12/28/14 11:10	75-00-3	
Chloroform	**<0.25**	ug/m3	0.69	0.25	1.39		12/28/14 11:10	67-66-3	
Chloromethane	**<0.27**	ug/m3	0.58	0.27	1.39		12/28/14 11:10	74-87-3	
Cyclohexane	**1.2**	ug/m3	0.97	0.18	1.39		12/28/14 11:10	110-82-7	
Dibromochloromethane	**<1.2**	ug/m3	2.4	1.2	1.39		12/28/14 11:10	124-48-1	
1,2-Dibromoethane (EDB)	**<0.33**	ug/m3	2.2	0.33	1.39		12/28/14 11:10	106-93-4	
1,2-Dichlorobenzene	**<0.20**	ug/m3	1.7	0.20	1.39		12/28/14 11:10	95-50-1	
1,3-Dichlorobenzene	**<0.32**	ug/m3	1.7	0.32	1.39		12/28/14 11:10	541-73-1	
1,4-Dichlorobenzene	**<0.28**	ug/m3	1.7	0.28	1.39		12/28/14 11:10	106-46-7	
Dichlorodifluoromethane	**1.5**	ug/m3	1.4	0.15	1.39		12/28/14 11:10	75-71-8	
1,1-Dichloroethane	**<0.19**	ug/m3	1.1	0.19	1.39		12/28/14 11:10	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/m3	0.57	0.17	1.39		12/28/14 11:10	107-06-2	

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ANALYTICAL RESULTS

Project: MSF Corp
Pace Project No.: 10292510

Sample: SC-2 Lab ID: **10292510002** Collected: 12/18/14 09:17 Received: 12/22/14 12:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
1,1-Dichloroethene	**<0.14**	ug/m3	1.1	0.14	1.39		12/28/14 11:10	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/m3	2.8	0.27	1.39		12/28/14 11:10	156-59-2	
trans-1,2-Dichloroethene	**<0.23**	ug/m3	1.1	0.23	1.39		12/28/14 11:10	156-60-5	
1,2-Dichloropropane	**<0.21**	ug/m3	1.3	0.21	1.39		12/28/14 11:10	78-87-5	
cis-1,3-Dichloropropene	**<0.19**	ug/m3	1.3	0.19	1.39		12/28/14 11:10	10061-01-5	
trans-1,3-Dichloropropene	**<0.21**	ug/m3	1.3	0.21	1.39		12/28/14 11:10	10061-02-6	
Dichlorotetrafluoroethane	**<0.35**	ug/m3	2.0	0.35	1.39		12/28/14 11:10	76-14-2	
Ethanol	**14.6**	ug/m3	1.3	0.44	1.39		12/28/14 11:10	64-17-5	
Ethyl acetate	**<0.18**	ug/m3	2.5	0.18	1.39		12/28/14 11:10	141-78-6	
Ethylbenzene	**0.76J**	ug/m3	1.2	0.25	1.39		12/28/14 11:10	100-41-4	
4-Ethyltoluene	**<0.24**	ug/m3	1.4	0.24	1.39		12/28/14 11:10	622-96-8	
n-Heptane	**0.58J**	ug/m3	1.2	0.23	1.39		12/28/14 11:10	142-82-5	
Hexachloro-1,3-butadiene	**<0.57**	ug/m3	3.1	0.57	1.39		12/28/14 11:10	87-68-3	
n-Hexane	**2.6**	ug/m3	1.0	0.14	1.39		12/28/14 11:10	110-54-3	
2-Hexanone	**<0.30**	ug/m3	1.2	0.30	1.39		12/28/14 11:10	591-78-6	
Methylene Chloride	**17.6**	ug/m3	4.9	0.32	1.39		12/28/14 11:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.24**	ug/m3	2.9	0.24	1.39		12/28/14 11:10	108-10-1	
Methyl-tert-butyl ether	**<0.12**	ug/m3	1.0	0.12	1.39		12/28/14 11:10	1634-04-4	
Naphthalene	**2.7J**	ug/m3	3.7	0.36	1.39		12/28/14 11:10	91-20-3	
2-Propanol	**21.3**	ug/m3	1.7	0.13	1.39		12/28/14 11:10	67-63-0	
Propylene	**4.9**	ug/m3	0.49	0.15	1.39		12/28/14 11:10	115-07-1	
Styrene	**<0.19**	ug/m3	1.2	0.19	1.39		12/28/14 11:10	100-42-5	
1,1,2,2-Tetrachloroethane	**<0.32**	ug/m3	0.97	0.32	1.39		12/28/14 11:10	79-34-5	
Tetrachloroethene	**1.2**	ug/m3	0.96	0.26	1.39		12/28/14 11:10	127-18-4	
Tetrahydrofuran	**<0.19**	ug/m3	0.83	0.19	1.39		12/28/14 11:10	109-99-9	
Toluene	**4.3**	ug/m3	1.1	0.19	1.39		12/28/14 11:10	108-88-3	
1,2,4-Trichlorobenzene	**<0.51**	ug/m3	2.1	0.51	1.39		12/28/14 11:10	120-82-1	
1,1,1-Trichloroethane	**4.5**	ug/m3	1.5	0.19	1.39		12/28/14 11:10	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/m3	0.76	0.34	1.39		12/28/14 11:10	79-00-5	
Trichloroethene	**<0.25**	ug/m3	0.76	0.25	1.39		12/28/14 11:10	79-01-6	
Trichlorofluoromethane	**3.6**	ug/m3	1.6	0.19	1.39		12/28/14 11:10	75-69-4	
1,1,2-Trichlorotrifluoroethane	**<0.22**	ug/m3	2.2	0.22	1.39		12/28/14 11:10	76-13-1	
1,2,4-Trimethylbenzene	**0.97J**	ug/m3	1.4	0.17	1.39		12/28/14 11:10	95-63-6	
1,3,5-Trimethylbenzene	**<0.29**	ug/m3	1.4	0.29	1.39		12/28/14 11:10	108-67-8	
Vinyl acetate	**<0.48**	ug/m3	1.0	0.48	1.39		12/28/14 11:10	108-05-4	
Vinyl chloride	**<0.13**	ug/m3	0.36	0.13	1.39		12/28/14 11:10	75-01-4	
m&p-Xylene	**2.4J**	ug/m3	2.4	0.19	1.39		12/28/14 11:10	179601-23-1	
o-Xylene	**0.77J**	ug/m3	1.2	0.61	1.39		12/28/14 11:10	95-47-6	

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ANALYTICAL RESULTS

Project: MSF Corp
Pace Project No.: 10292510

Sample: SC-3 **Lab ID: 10292510003** Collected: 12/18/14 09:22 Received: 12/22/14 12:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Acetone	**14.2**	ug/m3	3.0	1.5	1.26		12/28/14 11:35	67-64-1	
Benzene	**0.89**	ug/m3	0.41	0.15	1.26		12/28/14 11:35	71-43-2	
Benzyl chloride	**<0.66**	ug/m3	1.3	0.66	1.26		12/28/14 11:35	100-44-7	
Bromodichloromethane	**<0.23**	ug/m3	1.7	0.23	1.26		12/28/14 11:35	75-27-4	
Bromoform	**<0.41**	ug/m3	2.6	0.41	1.26		12/28/14 11:35	75-25-2	
Bromomethane	**<0.34**	ug/m3	1.0	0.34	1.26		12/28/14 11:35	74-83-9	
1,3-Butadiene	**<0.11**	ug/m3	0.57	0.11	1.26		12/28/14 11:35	106-99-0	
2-Butanone (MEK)	**<0.34**	ug/m3	0.76	0.34	1.26		12/28/14 11:35	78-93-3	
Carbon disulfide	**0.53J**	ug/m3	0.79	0.091	1.26		12/28/14 11:35	75-15-0	
Carbon tetrachloride	**<0.40**	ug/m3	4.0	0.40	1.26		12/28/14 11:35	56-23-5	
Chlorobenzene	**<0.13**	ug/m3	1.2	0.13	1.26		12/28/14 11:35	108-90-7	
Chloroethane	**<0.20**	ug/m3	0.68	0.20	1.26		12/28/14 11:35	75-00-3	
Chloroform	**<0.23**	ug/m3	0.62	0.23	1.26		12/28/14 11:35	67-66-3	
Chloromethane	**1.0**	ug/m3	0.53	0.24	1.26		12/28/14 11:35	74-87-3	
Cyclohexane	**<0.16**	ug/m3	0.88	0.16	1.26		12/28/14 11:35	110-82-7	
Dibromochloromethane	**<1.1**	ug/m3	2.2	1.1	1.26		12/28/14 11:35	124-48-1	
1,2-Dibromoethane (EDB)	**<0.29**	ug/m3	2.0	0.29	1.26		12/28/14 11:35	106-93-4	
1,2-Dichlorobenzene	**<0.18**	ug/m3	1.5	0.18	1.26		12/28/14 11:35	95-50-1	
1,3-Dichlorobenzene	**<0.29**	ug/m3	1.5	0.29	1.26		12/28/14 11:35	541-73-1	
1,4-Dichlorobenzene	**<0.25**	ug/m3	1.5	0.25	1.26		12/28/14 11:35	106-46-7	
Dichlorodifluoromethane	**1.9**	ug/m3	1.3	0.14	1.26		12/28/14 11:35	75-71-8	
1,1-Dichloroethane	**0.70J**	ug/m3	1.0	0.18	1.26		12/28/14 11:35	75-34-3	
1,2-Dichloroethane	**<0.15**	ug/m3	0.52	0.15	1.26		12/28/14 11:35	107-06-2	
1,1-Dichloroethene	**0.69J**	ug/m3	1.0	0.13	1.26		12/28/14 11:35	75-35-4	
cis-1,2-Dichloroethene	**<0.25**	ug/m3	2.5	0.25	1.26		12/28/14 11:35	156-59-2	
trans-1,2-Dichloroethene	**<0.21**	ug/m3	1.0	0.21	1.26		12/28/14 11:35	156-60-5	
1,2-Dichloropropane	**<0.19**	ug/m3	1.2	0.19	1.26		12/28/14 11:35	78-87-5	
cis-1,3-Dichloropropene	**<0.17**	ug/m3	1.2	0.17	1.26		12/28/14 11:35	10061-01-5	
trans-1,3-Dichloropropene	**<0.19**	ug/m3	1.2	0.19	1.26		12/28/14 11:35	10061-02-6	
Dichlorotetrafluoroethane	**<0.31**	ug/m3	1.8	0.31	1.26		12/28/14 11:35	76-14-2	
Ethanol	**8.7**	ug/m3	1.2	0.40	1.26		12/28/14 11:35	64-17-5	
Ethyl acetate	**1.9J**	ug/m3	2.3	0.16	1.26		12/28/14 11:35	141-78-6	
Ethylbenzene	**1.1J**	ug/m3	1.1	0.23	1.26		12/28/14 11:35	100-41-4	
4-Ethyltoluene	**<0.22**	ug/m3	1.3	0.22	1.26		12/28/14 11:35	622-96-8	
n-Heptane	**1.3**	ug/m3	1.0	0.20	1.26		12/28/14 11:35	142-82-5	
Hexachloro-1,3-butadiene	**<0.52**	ug/m3	2.8	0.52	1.26		12/28/14 11:35	87-68-3	
n-Hexane	**2.0**	ug/m3	0.91	0.13	1.26		12/28/14 11:35	110-54-3	
2-Hexanone	**<0.27**	ug/m3	1.0	0.27	1.26		12/28/14 11:35	591-78-6	
Methylene Chloride	**2.8J**	ug/m3	4.4	0.29	1.26		12/28/14 11:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.22**	ug/m3	2.6	0.22	1.26		12/28/14 11:35	108-10-1	
Methyl-tert-butyl ether	**<0.11**	ug/m3	0.92	0.11	1.26		12/28/14 11:35	1634-04-4	
Naphthalene	**1.8J**	ug/m3	3.4	0.33	1.26		12/28/14 11:35	91-20-3	
2-Propanol	**15.5**	ug/m3	1.6	0.12	1.26		12/28/14 11:35	67-63-0	
Propylene	**7.1**	ug/m3	0.44	0.14	1.26		12/28/14 11:35	115-07-1	
Styrene	**<0.17**	ug/m3	1.1	0.17	1.26		12/28/14 11:35	100-42-5	
1,1,2,2-Tetrachloroethane	**<0.29**	ug/m3	0.88	0.29	1.26		12/28/14 11:35	79-34-5	

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ANALYTICAL RESULTS

Project: MSF Corp
Pace Project No.: 10292510

Sample: SC-3 **Lab ID: 10292510003** Collected: 12/18/14 09:22 Received: 12/22/14 12:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Tetrachloroethene	**2.1**	ug/m3	0.87	0.24	1.26		12/28/14 11:35	127-18-4	
Tetrahydrofuran	**<0.18**	ug/m3	0.76	0.18	1.26		12/28/14 11:35	109-99-9	
Toluene	**5.4**	ug/m3	0.97	0.17	1.26		12/28/14 11:35	108-88-3	
1,2,4-Trichlorobenzene	**<0.46**	ug/m3	1.9	0.46	1.26		12/28/14 11:35	120-82-1	
1,1,1-Trichloroethane	**16.0**	ug/m3	1.4	0.18	1.26		12/28/14 11:35	71-55-6	
1,1,2-Trichloroethane	**<0.31**	ug/m3	0.69	0.31	1.26		12/28/14 11:35	79-00-5	
Trichloroethene	**4.6**	ug/m3	0.69	0.22	1.26		12/28/14 11:35	79-01-6	
Trichlorofluoromethane	**6.2**	ug/m3	1.4	0.17	1.26		12/28/14 11:35	75-69-4	
1,1,2-Trichlorotrifluoroethane	**<0.20**	ug/m3	2.0	0.20	1.26		12/28/14 11:35	76-13-1	
1,2,4-Trimethylbenzene	**0.82J**	ug/m3	1.3	0.15	1.26		12/28/14 11:35	95-63-6	
1,3,5-Trimethylbenzene	**<0.26**	ug/m3	1.3	0.26	1.26		12/28/14 11:35	108-67-8	
Vinyl acetate	**<0.44**	ug/m3	0.90	0.44	1.26		12/28/14 11:35	108-05-4	
Vinyl chloride	**<0.12**	ug/m3	0.33	0.12	1.26		12/28/14 11:35	75-01-4	
m&p-Xylene	**3.9**	ug/m3	2.2	0.18	1.26		12/28/14 11:35	179601-23-1	
o-Xylene	**1.4**	ug/m3	1.1	0.56	1.26		12/28/14 11:35	95-47-6	

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QUALITY CONTROL DATA

Project: MSF Corp
Pace Project No.: 10292510

QC Batch: AIR/22143 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10292510001, 10292510002, 10292510003

METHOD BLANK: 1874334 Matrix: Air
Associated Lab Samples: 10292510001, 10292510002, 10292510003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.14	1.1	12/27/14 23:01	
1,1,2,2-Tetrachloroethane	ug/m3	<0.23	0.70	12/27/14 23:01	
1,1,2-Trichloroethane	ug/m3	<0.24	0.55	12/27/14 23:01	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.16	1.6	12/27/14 23:01	
1,1-Dichloroethane	ug/m3	<0.14	0.82	12/27/14 23:01	
1,1-Dichloroethene	ug/m3	<0.10	0.81	12/27/14 23:01	
1,2,4-Trichlorobenzene	ug/m3	<0.36	1.5	12/27/14 23:01	
1,2,4-Trimethylbenzene	ug/m3	<0.12	1.0	12/27/14 23:01	
1,2-Dibromoethane (EDB)	ug/m3	<0.23	1.6	12/27/14 23:01	
1,2-Dichlorobenzene	ug/m3	<0.14	1.2	12/27/14 23:01	
1,2-Dichloroethane	ug/m3	<0.12	0.41	12/27/14 23:01	
1,2-Dichloropropane	ug/m3	<0.15	0.94	12/27/14 23:01	
1,3,5-Trimethylbenzene	ug/m3	<0.21	1.0	12/27/14 23:01	
1,3-Butadiene	ug/m3	<0.085	0.45	12/27/14 23:01	
1,3-Dichlorobenzene	ug/m3	<0.23	1.2	12/27/14 23:01	
1,4-Dichlorobenzene	ug/m3	<0.20	1.2	12/27/14 23:01	
2-Butanone (MEK)	ug/m3	<0.27	0.60	12/27/14 23:01	
2-Hexanone	ug/m3	<0.21	0.83	12/27/14 23:01	
2-Propanol	ug/m3	<0.093	1.2	12/27/14 23:01	
4-Ethyltoluene	ug/m3	<0.17	1.0	12/27/14 23:01	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.17	2.1	12/27/14 23:01	
Acetone	ug/m3	<1.2	2.4	12/27/14 23:01	
Benzene	ug/m3	<0.12	0.32	12/27/14 23:01	
Benzyl chloride	ug/m3	<0.53	1.0	12/27/14 23:01	
Bromodichloromethane	ug/m3	<0.18	1.4	12/27/14 23:01	
Bromoform	ug/m3	<0.32	2.1	12/27/14 23:01	
Bromomethane	ug/m3	<0.27	0.79	12/27/14 23:01	
Carbon disulfide	ug/m3	<0.072	0.63	12/27/14 23:01	
Carbon tetrachloride	ug/m3	<0.32	3.2	12/27/14 23:01	
Chlorobenzene	ug/m3	<0.11	0.94	12/27/14 23:01	
Chloroethane	ug/m3	<0.16	0.54	12/27/14 23:01	
Chloroform	ug/m3	<0.18	0.50	12/27/14 23:01	
Chloromethane	ug/m3	<0.19	0.42	12/27/14 23:01	
cis-1,2-Dichloroethene	ug/m3	<0.20	2.0	12/27/14 23:01	
cis-1,3-Dichloropropene	ug/m3	<0.14	0.92	12/27/14 23:01	
Cyclohexane	ug/m3	<0.13	0.70	12/27/14 23:01	
Dibromochloromethane	ug/m3	<0.87	1.7	12/27/14 23:01	
Dichlorodifluoromethane	ug/m3	<0.11	1.0	12/27/14 23:01	
Dichlorotetrafluoroethane	ug/m3	<0.25	1.4	12/27/14 23:01	
Ethanol	ug/m3	<0.32	0.96	12/27/14 23:01	
Ethyl acetate	ug/m3	<0.13	1.8	12/27/14 23:01	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: MSF Corp
Pace Project No.: 10292510

METHOD BLANK: 1874334 Matrix: Air
Associated Lab Samples: 10292510001, 10292510002, 10292510003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/m3	<0.18	0.88	12/27/14 23:01	
Hexachloro-1,3-butadiene	ug/m3	<0.41	2.2	12/27/14 23:01	
m&p-Xylene	ug/m3	<0.14	1.8	12/27/14 23:01	
Methyl-tert-butyl ether	ug/m3	<0.089	0.73	12/27/14 23:01	
Methylene Chloride	ug/m3	<0.23	3.5	12/27/14 23:01	
n-Heptane	ug/m3	<0.16	0.83	12/27/14 23:01	
n-Hexane	ug/m3	<0.10	0.72	12/27/14 23:01	
Naphthalene	ug/m3	0.55J	2.7	12/27/14 23:01	
o-Xylene	ug/m3	<0.44	0.88	12/27/14 23:01	
Propylene	ug/m3	<0.11	0.35	12/27/14 23:01	
Styrene	ug/m3	<0.14	0.87	12/27/14 23:01	
Tetrachloroethene	ug/m3	<0.19	0.69	12/27/14 23:01	
Tetrahydrofuran	ug/m3	<0.14	0.60	12/27/14 23:01	
Toluene	ug/m3	<0.14	0.77	12/27/14 23:01	
trans-1,2-Dichloroethene	ug/m3	<0.16	0.81	12/27/14 23:01	
trans-1,3-Dichloropropene	ug/m3	<0.15	0.92	12/27/14 23:01	
Trichloroethene	ug/m3	<0.18	0.55	12/27/14 23:01	
Trichlorofluoromethane	ug/m3	<0.14	1.1	12/27/14 23:01	
Vinyl acetate	ug/m3	<0.35	0.72	12/27/14 23:01	
Vinyl chloride	ug/m3	<0.093	0.26	12/27/14 23:01	

LABORATORY CONTROL SAMPLE: 1874335

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	56.2	101	72-128	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	66.1	95	72-136	
1,1,2-Trichloroethane	ug/m3	55.5	53.5	96	72-130	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	74.1	95	68-126	
1,1-Dichloroethane	ug/m3	41.2	41.0	100	68-128	
1,1-Dichloroethene	ug/m3	40.3	43.7	108	68-130	
1,2,4-Trichlorobenzene	ug/m3	75.5	82.6	109	30-150	
1,2,4-Trimethylbenzene	ug/m3	50	51.6	103	71-140	
1,2-Dibromoethane (EDB)	ug/m3	78.1	80.6	103	73-136	
1,2-Dichlorobenzene	ug/m3	61.2	60.9	100	63-150	
1,2-Dichloroethane	ug/m3	41.2	42.1	102	71-132	
1,2-Dichloropropane	ug/m3	47	48.2	103	72-130	
1,3,5-Trimethylbenzene	ug/m3	50	50.0	100	73-136	
1,3-Butadiene	ug/m3	22.5	25.2	112	72-130	
1,3-Dichlorobenzene	ug/m3	61.2	61.2	100	69-142	
1,4-Dichlorobenzene	ug/m3	61.2	58.7	96	65-142	
2-Butanone (MEK)	ug/m3	30	29.8	99	71-135	
2-Hexanone	ug/m3	41.7	43.7	105	75-133	
2-Propanol	ug/m3	25	25.6	102	68-135	
4-Ethyltoluene	ug/m3	50	51.2	102	73-134	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: MSF Corp
Pace Project No.: 10292510

LABORATORY CONTROL SAMPLE: 1874335

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	44.0	106	72-137	
Acetone	ug/m3	24.2	20.9	86	68-136	
Benzene	ug/m3	32.5	32.4	100	69-134	
Benzyl chloride	ug/m3	52.5	57.1	109	71-136	
Bromodichloromethane	ug/m3	68.2	69.5	102	74-129	
Bromoform	ug/m3	105	88.6	84	69-138	
Bromomethane	ug/m3	39.5	36.9	93	68-127	
Carbon disulfide	ug/m3	31.7	30.6	97	68-130	
Carbon tetrachloride	ug/m3	64	60.8	95	66-134	SS
Chlorobenzene	ug/m3	46.8	43.3	93	72-137	
Chloroethane	ug/m3	26.8	27.6	103	69-128	
Chloroform	ug/m3	49.7	52.4	106	72-127	
Chloromethane	ug/m3	21	21.1	101	69-125	
cis-1,2-Dichloroethene	ug/m3	40.3	41.7	103	71-135	
cis-1,3-Dichloropropene	ug/m3	46.2	50.7	110	74-134	
Cyclohexane	ug/m3	35	36.2	103	72-130	
Dibromochloromethane	ug/m3	86.6	84.7	98	73-133	
Dichlorodifluoromethane	ug/m3	50.3	49.9	99	69-125	
Dichlorotetrafluoroethane	ug/m3	71.1	71.0	100	68-128	
Ethanol	ug/m3	19.2	19.2	100	70-134	
Ethyl acetate	ug/m3	36.6	38.3	104	71-134	
Ethylbenzene	ug/m3	44.2	44.4	101	73-139	
Hexachloro-1,3-butadiene	ug/m3	108	97.6	90	30-150	
m&p-Xylene	ug/m3	88.3	86.2	98	73-139	
Methyl-tert-butyl ether	ug/m3	36.7	38.0	104	72-132	
Methylene Chloride	ug/m3	35.3	33.6	95	64-134	
n-Heptane	ug/m3	41.7	46.8	112	70-130	
n-Hexane	ug/m3	35.8	37.3	104	69-128	
Naphthalene	ug/m3	53.3	56.6	106	61-150	
o-Xylene	ug/m3	44.2	43.2	98	71-138	
Propylene	ug/m3	17.5	19.2	110	69-133	
Styrene	ug/m3	43.3	43.5	100	74-136	
Tetrachloroethene	ug/m3	69	65.3	95	69-136	
Tetrahydrofuran	ug/m3	30	31.3	104	73-131	
Toluene	ug/m3	38.3	38.2	100	67-133	
trans-1,2-Dichloroethene	ug/m3	40.3	39.6	98	70-131	
trans-1,3-Dichloropropene	ug/m3	46.2	45.8	99	72-135	
Trichloroethene	ug/m3	54.6	56.2	103	70-135	
Trichlorofluoromethane	ug/m3	57.1	55.5	97	67-125	
Vinyl acetate	ug/m3	35.8	38.8	108	72-133	
Vinyl chloride	ug/m3	26	27.4	106	69-132	

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Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: MSF Corp
Pace Project No.: 10292510

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

SS This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MSF Corp
Pace Project No.: 10292510

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10292510001	SC-1	TO-15	AIR/22143		
10292510002	SC-2	TO-15	AIR/22143		
10292510003	SC-3	TO-15	AIR/22143		

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10292510

Pace Analytical
www.pacelabs.com

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

16506

Page: 1 of 1

Section A Required Client Information:

Company:	METCO
Address:	709 6th St
	La Crosse WI 54603
Email To:	[illegible]
Phone:	507-[illegible] Fax:
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Same
Copy To:	
Purchase Order No.:	
Project Name:	MSF Corp
Project Number:	

Section C Invoice Information:

Attention:	Same
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager/Sales Rep.	
Pace Profile #:	

Program: UST / Superfund / Emissions / Clean Air Act / Voluntary Clean Up / Dry Clean / RCRA / Other ____

Location of Sampling by State: WI

Reporting Units: ug/m³ X / mg/m³ ___ / PPBV ___ / PPMV ___ / Other ___

Report Level: II. ___ III. ___ IV. ___ Other ___

Section D Required Client Information

AIR SAMPLE ID

Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED Composite Start Date	Composite Start Time	Composite End Date	Composite End Time	Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	PM10	3C: Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15	TO15 Short List*	Pace Lab ID
1	SC-1	6LC		4/1/14	926	4/1/14	926	-28	-15	0604	0827							X			001
2	SC-2	6LC		4/1/14	917	4/1/14	917	-28	-15	0634	0218							X			002
3	SC-3	6LC		4/1/14	922	4/1/14	923	-24	-3	0623	0569							X			003
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			Pace	12/22/14	1100

SAMPLE CONDITIONS

	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples intact
	Amb	Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)

ORIGINAL

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414 Air Technical Phone: 612.607.6386

Pace Analytical	Document Name: Air Sample Condition Upon Receipt	Document Revised: 26Dec2013 Page 1 of 1
	Document No.: F-MN-A-106-rev.09	Issuing Authority: Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name: Metro

Project #: WO# : 10292510

10292510

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other:

Tracking Number: 6146 1787 0963

Custody Seal on Cooler/Box Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☑ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☐ Other: Temp Blank rec: ☐ Yes ☑ No

Temp. (TO17 and TO13 samples only) (°C): Corrected Temp (°C): Thermom. Used: ☐ B88A912167504 ☐ B88A9132521491 ☐ 72337080 ☐ 80512447

Temp should be above freezing to 6°C Correction Factor: Date & Initials of Person Examining Contents: 6/22/14

Type of ice Received ☐ Blue ☐ Wet ☑ None

				Comments:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☐ Yes	☑ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☐ Yes	☑ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	7.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	10.
Media: Air Can				11.
Sample Labels Match COC?	☑ Yes	☒ No	☐ N/A	12. No IDs on can trays matched up by can #'s on COC

Samples Received:

Canisters		Flow Controllers		Stand Alone G	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID
SC-1	0090		0227		
SC-2	0084		0218		
SC-3	0638		0369		

CLIENT NOTIFICATION/RESOLUTION Field Data Required? ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Date:

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)