SAND CREEK CONSULTANTS, Inc.
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Environmental and Geological
Scientists and Engineers

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July 15, 2015

Ms. Lisa Gutknecht
Wisconsin Department of Natural Resources
5301 Rib Mountain Drive
Wausau, WI 54401

Re: **Dun-Rite Cleaners**
1008 Union Street
Stevens Point, Wisconsin
WDNR BRRTS No. 02-50-000577

Subject: **Vapor Extraction System and Further Investigations**

Dear Ms. Gutknecht:

The purpose of this letter is to describe the installation and operation of the soil vapor extraction system (SVES) installed at the site, summarize investigation results to date, and to propose additional investigation activities.

Soil Vapor Extraction System

Installation

A SVES was constructed in the Dun-Rite building during March 2015. The system was installed to mitigate potential intrusion from subsurface vapors and to remediate tetrachloroethylene-impacted soil and groundwater.

The system features four vapor extraction wells, a 1-horsepower blower, two carbon canisters, a water knockout drum, and associated piping, valves, meters, gauges, etc. The blower has a capacity of 100 standard cubic feet per minute (scfm). The two exterior vapor extraction wells are screened from 4 to 7 feet below ground surface and thus pull vapors from nearer the water table; the two interior wells, which are plumbed together, are screened from 1 to 3 feet and pull vapors from below the nearby impervious surfaces. Valves allow the flow from each well to be controlled individually. The blower exhaust is routed through the two carbon canisters connected in series prior to discharging through a roof vent. **As-Built Drawings** of the SVES are enclosed.

Operation

The SVES was started on March 13, 2015. The operating configurations were varied during startup and the subsequent week. Measurements of flow, vacuum, and volatile organic compound (VOC) concentrations and other observations are summarized below:

- Flow and Pressure

- With all valves wide open and the dilution line closed, the blower inlet pressure is around -12 inches of water column (in. w.c.) and the overall flow rate is around 75 scfm. Flow through the SVE-B/C line is about four times that through each of SVE-A and SVE-D.
- When the system is balanced so that flow is roughly equal through all lines, the inlet pressure drops to -14 in. w.c. and flow decreases to around 70 scfm.
- When the system is balanced to maximize flow from SVE-A (about four times that through each of the other two lines), the inlet pressure drops to -28 in. w.c. and the flow decreases to around 50 scfm.
- The system is generally balanced so that vapor flow is highest from SVE-A, lowest from SVE-B/C, and intermediate from SVE-D. Under such configuration, the inlet pressure is around -20 in. w.c. and the flow is around 65 scfm.

- VOC Concentrations: A handheld photoionization detector (PID) is used to monitor the VOC concentrations of the soil vapors, and samples for laboratory analysis were collected in Suma canisters.
  - Shortly after startup, the PID reading of the blower discharge was 56 instrument units (iu), the reading from SVE-A was 140 iu, the reading from SVE-B/C was 35 iu, the reading from SVE-D was 16 iu, and the readings from each of the carbon units were around 0.1 iu. After one day, the concentrations had dropped by around half, and after four days of operation the concentrations were halved again. PID readings during the first two weeks of operation are summarized in Table 1.

Table 1
PID Results (iu)

Sample ID	3/13/2015	3/14/2105	3/17/2015	3/25/2015
Blower	56	35	19	4.7
Can-1	0.2	0.2	--	0.3
Can-2	0.1	0.2	--	0.1
SVE-A	140	74	21	6.8
SVE-B/C	35	20	6.0	1.4
SVE-D	16	9.3	5.0	2.0

Notes:
iu: instrument units relative to 100 ppm isobutylene standard
--: not analyzed

  - Samples of discharge vapors were collected and submitted to a laboratory for analysis of VOCs. Three samples were collected from the immediate blower discharge (Blwr A, B, and C), and two samples were collected from the discharge of the carbon canisters (Can 2-A and Can 1-D). The results are summarized in Table 2. **Laboratory Reports** are enclosed.

Table 2
PCE and TCE Concentrations (µg/m^3)

Sample ID	Date	PCE	TCE
Can 2-A	3/13/2015	11,800	17
Blwr A	3/13/2015	224,000	<1700
Blwr B	3/14/2015	134,000	<410
Blwr C	3/17/2015	43,800	77
Can 1-D	3/18/2015	1,600	0.76 J

Notes:
µg/m^3: micrograms per cubic meter.
<### = Substance not detected above indicated detection limit.
PCE = tetrachloroethylene
TCE = trichloroethylene

- Discharge Rates: Table A in NR 445.07 specifies the emission threshold for PCE and other substances. The emission standard for PCE from a stack less than 25 feet high is 9.11 lbs/hr. The system discharge rates can be calculated using the equation:

$$lbs/hr = A\ \mu g/m^3 \times g/10^6\ \mu g \times lb/454\ g \times m^3/35.3\ ft^3 \times B\ ft^3/min \times 60\ min/hr$$

Where:

A = Vapor concentration of substance in units of µg/m^3

B = Vapor flow rate in units of ft^3/min

Inserting the PCE concentration detected in the blower discharge shortly after startup (224,000 µ/m^3) and the maximum measured blower discharge rate (75 ft^3/min), the resulting worst-case discharge rate from the SVES is calculated to be 0.063 lbs/hr.

Investigation Results

Investigation results to date, as summarized in the letter dated April 17, 2015, to the Wisconsin Department of Natural Resources (WDNR) from Sand Creek, *Subject: Soil, Groundwater, and Vapor Results* (**tables and map** are enclosed), and **draft figures prepared by AECOM** (enclosed), suggest the following:

- The highest concentrations of PCE currently occur in the soil and groundwater along the west half of the south side of the Dun-Rite building (e.g., max 33 mg/kg in soil and 2,600 µg/l in groundwater).
- Lesser concentrations of PCE (e.g., <1 mg/kg in soil and <10 µg/l in groundwater) occur in the soil and groundwater on the north and east sides of the Dun-Rite property, and on the Lullabye property to the west.

- A plume of dissolved PCE extends from the south side of the Dun-Rite building towards the south-southeast. The centerline of the plume appears to be defined by a progression of detections >700 µg/l PCE extending over a distance of 800 feet.
- The PCE in the soil is most prevalent at depths of 2 to 4 feet below ground surface. This is the depth range where an apparent organic-rich topsoil is present beneath a surficial layer of fill soil, which may indicate that the PCE concentrates and persists to be adsorbed to the organic matter.
- Soil vapor PCE concentrations beneath the Dun-Rite and Guzman office building exceeded Sub-Slab Vapor Screening Levels for Non-Residential Buildings, but vapor concentrations beneath the neighboring residence were below screening levels.
- Indoor air PCE concentrations in the Dun-Rite building exceeded Indoor Air Vapor Action Levels, but none of the samples collected from offices within the Guzman building or the neighboring residence exceeded action levels.
- A **water table contour map** of the downtown Stevens Point area is included on the Portage Country Geographic Information System (GIS) website[1] (an excerpt is enclosed). Drawn on the excerpt is the inferred groundwater flow path beneath the Dun-Rite property. The flow path extends from the north-northwest to the south-southeast before bending towards the east-southeast downgradient of the Dun-Rite property.

Additional Investigations

Soil

The degree and extent of PCE-impacted soil are considered to be adequately defined and no more soil-related investigations will be performed except as may be related to documenting the effectiveness of the soil vapor extraction system.

Groundwater

There are no known potable wells or other sensitive receptors likely to be impacted by PCE in the dissolved state; however, the downgradient extent of potential vapor intrusion of PCE has not been fully evaluated. As described in the letter dated December 12, 2014, to WDNR from Sand Creek, *Subject: Soil, Groundwater, and Vapor Results*, a Residential Vapor Risk Screening Level for PCE in groundwater was calculated to be 250 µg/l.

To better define the downgradient extent of dissolved PCE above the Groundwater Vapor Risk Screening level, a Geoprobe soil probing unit will be used to collect groundwater samples at locations downgradient of the previously documented plume extent. The samples will be submitted to a laboratory for analysis of VOC. Proposed sample locations are indicated on **Figure 1**.

To evaluate the effect that the SVES has on the groundwater, water samples will be collected from GP-9, GP-10, GP-11, GP-12, and MWG1 and submitted to a laboratory for analysis of VOCs. Based on the

[1] http://gisinfo.co.portage.wi.us/realestate/, accessed July 1, 2015.

results, one or more of the wells will be selected for use in long-term monitoring. The selected well(s) will be inspected to assure structural integrity and soundness. Approval for continued access to the well will be requested from the well owner.

Vapor

Performance of the SVES will continue to be tracked periodically, primarily by monitoring with the PID. Vapor samples for laboratory analysis will occasionally be collected from the system exhaust and selected sub-slab vapor probes. The data will be used to evaluate the effectiveness of the remediation system at reducing PCE concentrations in soil vapors.

If you have any questions or comments regarding this Work Plan, please contact me via telephone (715.824.5169) or email (pete.arntsen@sand-creek.com). Your contact on this matter will receive my prompt reply.

Sincerely,
SAND CREEK CONSULTANTS, INC.

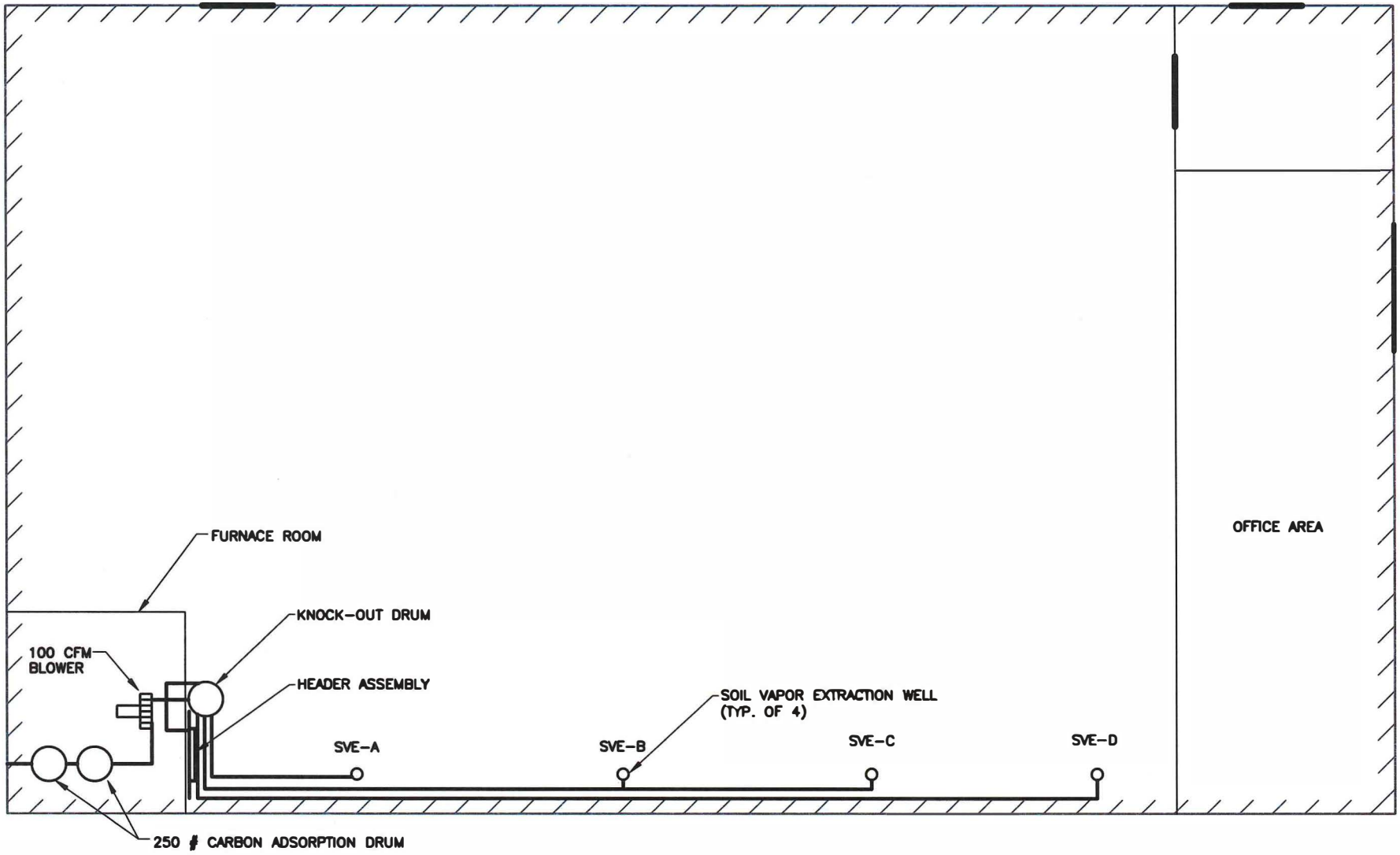
Peter D. Arntsen, MS, PH
Project Manager/Senior Hydrologist

Enclosures: As-Built Drawings
Laboratory Reports
Tables and Map from April 17, 2015, letter to WDNR from Sand Creek
AECOM Draft Soil and Groundwater PCE Maps
Stevens Point Groundwater Contours January 2014 (Excerpt from Portage County GIS)
Figure 1: Existing and Proposed Groundwater Sampling Locations

cc/enc: Mr. Ron Hanson/Dun-Rite Cleaners, via email only
Mr. Richard Lewandowski/Whyte Hirschboeck Dudek S.C., via email only

As-Built Drawings

Figure A - SVE System Layout As-Built
Figure B - Section View of SVE System Layout As-Built
Figure C - Equipment and Instrumentation Diagram As-Built



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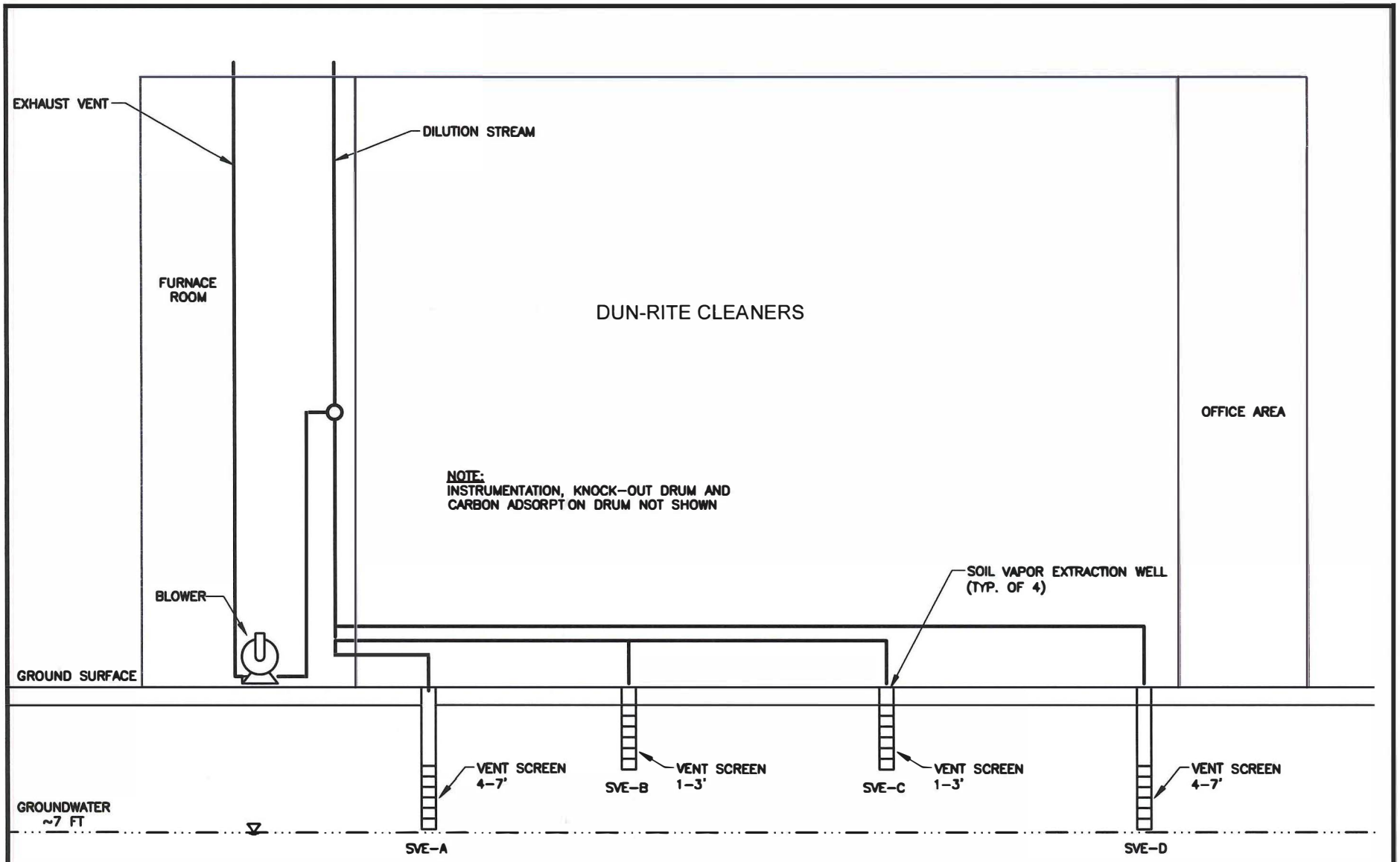
SVE SYSTEM LAYOUT
AS-BUILT

DUN-RITE CLEANERS
1008 UNION STREET
STEVENS POINT, WISCONSIN

DATE:	JULY 2015	DRAWN BY:	MD
SCALE:	NOT TO SCALE	APPROVED :	PDA

FIGURE A



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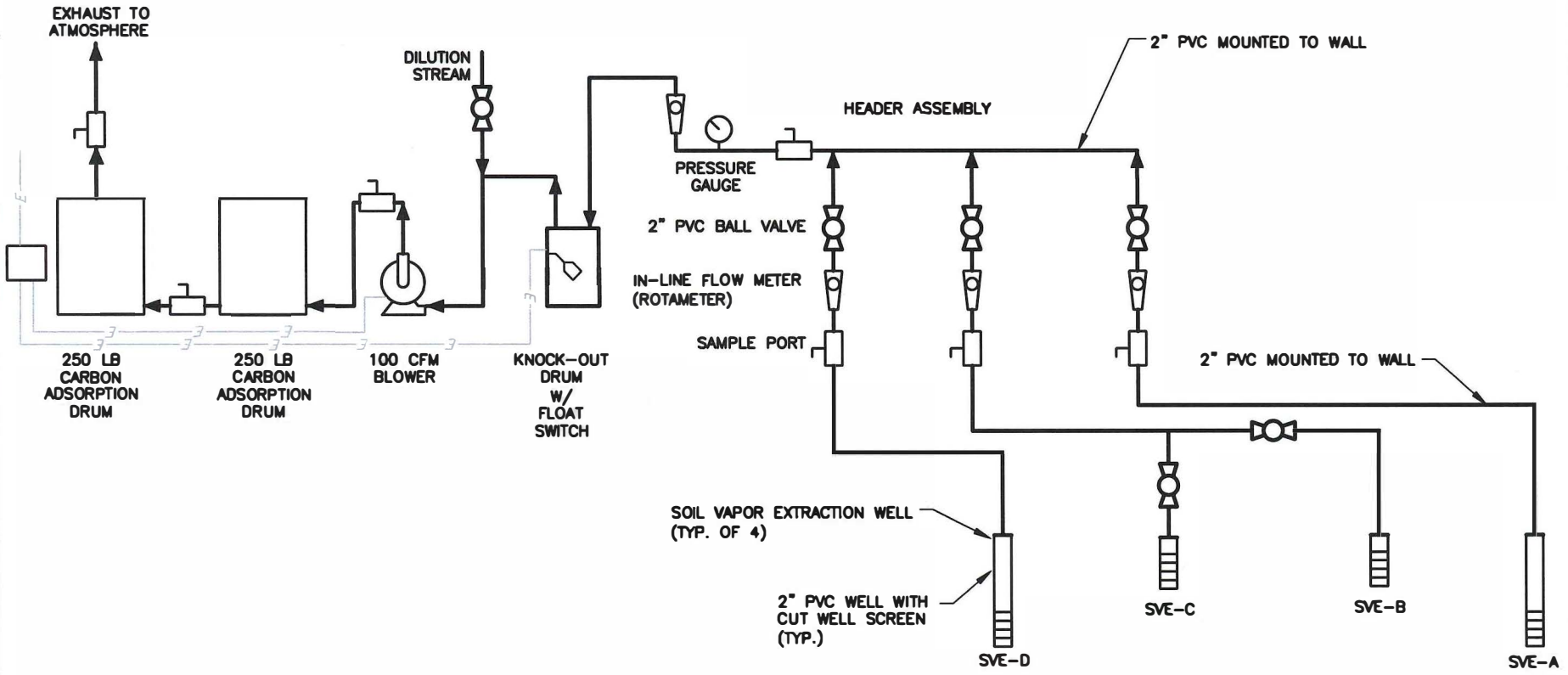
SECTION VIEW OF SVE SYSTEM LAYOUT
AS-BUILT

DUN-RITE CLEANERS
1008 UNION STREET
STEVENS POINT, WISCONSIN

DATE:	JULY 2015	DRAWN BY:	MD
SCALE:	NOT TO SCALE	APPROVED :	PDA

FIGURE B



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EQUIPMENT AND INSTRUMENTATION DIAGRAM
AS-BUILT

DUN-RITE CLEANERS
1008 UNION STREET
STEVENS POINT, WISCONSIN

DATE:	JULY 2015	DRAWN BY:	MD
SCALE:	NOT TO SCALE	APPROVED :	PDA

FIGURE C

Laboratory Reports

Pace Analytical®
www.pacelabs.com

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

April 03, 2015

Pete Arntsen
Sand Creek Consultants
PO Box 218
Amherst, WI 54406

RE: Project: Dun-Rite
Pace Project No.: 10300128

Dear Pete Arntsen:
Enclosed are the analytical results for sample(s) received by the laboratory on March 20, 2015. 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: Dun-Rite
Pace Project No.: 10300128

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
EPARegion 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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Dun-Rite
Pace Project No.: 10300128

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10300128001	**Can 2-A**	Air	03/13/15 04:58	03/20/15 10:35
10300128002	**Can 1-D**	Air	03/18/15 08:08	03/20/15 10:35
10300128003	**Blur C**	Air	03/17/15 08:12	03/20/15 10:35
10300128004	**Blur B**	Air	03/14/15 10:25	03/20/15 10:35
10300128005	**Blur A**	Air	03/13/15 04:58	03/20/15 10:35

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SAMPLE ANALYTE COUNT

Project: Dun-Rite
Pace Project No.: 10300128

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10300128001	**Can 2-A**	TO-15	MLS	61	PASI-M
10300128002	**Can 1-D**	TO-15	MLS	61	PASI-M
10300128003	**Blur C**	TO-15	MLS	61	PASI-M
10300128004	**Blur B**	TO-15	MLS	61	PASI-M
10300128005	**Blur A**	TO-15	MLS	61	PASI-M

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ANALYTICAL RESULTS

Project: Dun-Rite
Pace Project No.: 10300128

Sample: Can 2-A **Lab ID: 10300128001** Collected: 03/13/15 04:58 Received: 03/20/15 10:35 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Acetone	**48.0**	ug/m3	4.3	2.2	1.8		03/31/15 20:28	67-64-1	
Benzene	**<0.21**	ug/m3	0.58	0.21	1.8		03/31/15 20:28	71-43-2	
Benzyl chloride	**<0.95**	ug/m3	1.9	0.95	1.8		03/31/15 20:28	100-44-7	
Bromodichloromethane	**<0.33**	ug/m3	2.4	0.33	1.8		03/31/15 20:28	75-27-4	
Bromoform	**<0.58**	ug/m3	3.8	0.58	1.8		03/31/15 20:28	75-25-2	
Bromomethane	**<0.49**	ug/m3	1.4	0.49	1.8		03/31/15 20:28	74-83-9	
1,3-Butadiene	**<0.15**	ug/m3	0.81	0.15	1.8		03/31/15 20:28	106-99-0	
2-Butanone (MEK)	**99.1**	ug/m3	4.3	2.0	7.2		04/02/15 00:55	78-93-3	
Carbon disulfide	**0.57J**	ug/m3	1.1	0.13	1.8		03/31/15 20:28	75-15-0	
Carbon tetrachloride	**<0.58**	ug/m3	1.2	0.58	1.8		03/31/15 20:28	56-23-5	
Chlorobenzene	**<0.19**	ug/m3	1.7	0.19	1.8		03/31/15 20:28	108-90-7	
Chloroethane	**<0.29**	ug/m3	0.97	0.29	1.8		03/31/15 20:28	75-00-3	
Chloroform	**<0.32**	ug/m3	0.89	0.32	1.8		03/31/15 20:28	67-66-3	
Chloromethane	**<0.35**	ug/m3	0.76	0.35	1.8		03/31/15 20:28	74-87-3	
Cyclohexane	**<0.23**	ug/m3	1.3	0.23	1.8		03/31/15 20:28	110-82-7	
Dibromochloromethane	**<1.6**	ug/m3	3.1	1.6	1.8		03/31/15 20:28	124-48-1	
1,2-Dibromoethane (EDB)	**<0.42**	ug/m3	2.8	0.42	1.8		03/31/15 20:28	106-93-4	
1,2-Dichlorobenzene	**1.9J**	ug/m3	2.2	0.25	1.8		03/31/15 20:28	95-50-1	
1,3-Dichlorobenzene	**<0.42**	ug/m3	2.2	0.42	1.8		03/31/15 20:28	541-73-1	
1,4-Dichlorobenzene	**2.0J**	ug/m3	2.2	0.36	1.8		03/31/15 20:28	106-46-7	
Dichlorodifluoromethane	**<0.20**	ug/m3	1.8	0.20	1.8		03/31/15 20:28	75-71-8	
1,1-Dichloroethane	**<0.25**	ug/m3	1.5	0.25	1.8		03/31/15 20:28	75-34-3	
1,2-Dichloroethane	**<0.21**	ug/m3	0.74	0.21	1.8		03/31/15 20:28	107-06-2	
1,1-Dichloroethene	**<0.19**	ug/m3	1.5	0.19	1.8		03/31/15 20:28	75-35-4	
cis-1,2-Dichloroethene	**<0.35**	ug/m3	3.6	0.35	1.8		03/31/15 20:28	156-59-2	
trans-1,2-Dichloroethene	**<0.29**	ug/m3	1.5	0.29	1.8		03/31/15 20:28	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/m3	1.7	0.27	1.8		03/31/15 20:28	78-87-5	
cis-1,3-Dichloropropene	**<0.24**	ug/m3	1.7	0.24	1.8		03/31/15 20:28	10061-01-5	
trans-1,3-Dichloropropene	**<0.27**	ug/m3	1.7	0.27	1.8		03/31/15 20:28	10061-02-6	
Dichlorotetrafluoroethane	**<0.45**	ug/m3	2.6	0.45	1.8		03/31/15 20:28	76-14-2	
Ethanol	**13.1**	ug/m3	1.7	0.57	1.8		03/31/15 20:28	64-17-5	
Ethyl acetate	**<0.23**	ug/m3	1.3	0.23	1.8		03/31/15 20:28	141-78-6	
Ethylbenzene	**0.91J**	ug/m3	1.6	0.32	1.8		03/31/15 20:28	100-41-4	
4-Ethyltoluene	**<0.31**	ug/m3	1.8	0.31	1.8		03/31/15 20:28	622-96-8	
n-Heptane	**<0.29**	ug/m3	1.5	0.29	1.8		03/31/15 20:28	142-82-5	
Hexachloro-1,3-butadiene	**<0.74**	ug/m3	4.0	0.74	1.8		03/31/15 20:28	87-68-3	
n-Hexane	**8.6**	ug/m3	1.3	0.18	1.8		03/31/15 20:28	110-54-3	
2-Hexanone	**<0.38**	ug/m3	1.5	0.38	1.8		03/31/15 20:28	591-78-6	
Methylene Chloride	**3.9J**	ug/m3	6.4	0.42	1.8		03/31/15 20:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.31**	ug/m3	3.7	0.31	1.8		03/31/15 20:28	108-10-1	
Methyl-tert-butyl ether	**<0.16**	ug/m3	1.3	0.16	1.8		03/31/15 20:28	1634-04-4	
Naphthalene	**<0.46**	ug/m3	4.8	0.46	1.8		03/31/15 20:28	91-20-3	
2-Propanol	**4.4**	ug/m3	2.2	0.17	1.8		03/31/15 20:28	67-63-0	
Propylene	**<0.20**	ug/m3	0.63	0.20	1.8		03/31/15 20:28	115-07-1	
Styrene	**2.3J**	ug/m3	3.9	0.24	1.8		03/31/15 20:28	100-42-5	
1,1,2,2-Tetrachloroethane	**<0.42**	ug/m3	1.3	0.42	1.8		03/31/15 20:28	79-34-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Dun-Rite
Pace Project No.: 10300128

Sample: Can 2-A **Lab ID: 10300128001** Collected: 03/13/15 04:58 Received: 03/20/15 10:35 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Tetrachloroethene	**11800**	ug/m3	99.2	27.1	144		04/02/15 01:18	127-18-4	A3
Tetrahydrofuran	**45.0**	ug/m3	1.1	0.25	1.8		03/31/15 20:28	109-99-9	
Toluene	**1.9**	ug/m3	1.4	0.24	1.8		03/31/15 20:28	108-88-3	
1,2,4-Trichlorobenzene	**<0.66**	ug/m3	2.7	0.66	1.8		03/31/15 20:28	120-82-1	
1,1,1-Trichloroethane	**<0.25**	ug/m3	1.3	0.25	1.8		03/31/15 20:28	71-55-6	
1,1,2-Trichloroethane	**<0.44**	ug/m3	1.0	0.44	1.8		03/31/15 20:28	79-00-5	
Trichloroethene	**16.8**	ug/m3	0.98	0.32	1.8		03/31/15 20:28	79-01-6	
Trichlorofluoromethane	**<0.25**	ug/m3	2.1	0.25	1.8		03/31/15 20:28	75-69-4	
1,1,2-Trichlorotrifluoroethane	**<0.29**	ug/m3	2.9	0.29	1.8		03/31/15 20:28	76-13-1	
1,2,4-Trimethylbenzene	**2.4**	ug/m3	1.8	0.22	1.8		03/31/15 20:28	95-63-6	
1,3,5-Trimethylbenzene	**<0.37**	ug/m3	1.8	0.37	1.8		03/31/15 20:28	108-67-8	
Vinyl acetate	**0.92J**	ug/m3	1.3	0.63	1.8		03/31/15 20:28	108-05-4	
Vinyl chloride	**<0.17**	ug/m3	0.47	0.17	1.8		03/31/15 20:28	75-01-4	
m&p-Xylene	**3.7**	ug/m3	3.2	0.25	1.8		03/31/15 20:28	179601-23-1	
o-Xylene	**1.7**	ug/m3	1.6	0.79	1.8		03/31/15 20:28	95-47-6	

Sample: Can 1-D **Lab ID: 10300128002** Collected: 03/18/15 08:08 Received: 03/20/15 10:35 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Acetone	**<2.2**	ug/m3	4.3	2.2	1.8		03/31/15 21:01	67-64-1	
Benzene	**<0.21**	ug/m3	0.58	0.21	1.8		03/31/15 21:01	71-43-2	
Benzyl chloride	**<0.95**	ug/m3	1.9	0.95	1.8		03/31/15 21:01	100-44-7	
Bromodichloromethane	**<0.33**	ug/m3	2.4	0.33	1.8		03/31/15 21:01	75-27-4	
Bromoform	**<0.58**	ug/m3	3.8	0.58	1.8		03/31/15 21:01	75-25-2	
Bromomethane	**<0.49**	ug/m3	1.4	0.49	1.8		03/31/15 21:01	74-83-9	
1,3-Butadiene	**<0.15**	ug/m3	0.81	0.15	1.8		03/31/15 21:01	106-99-0	
2-Butanone (MEK)	**1.4**	ug/m3	1.1	0.49	1.8		03/31/15 21:01	78-93-3	
Carbon disulfide	**<0.13**	ug/m3	1.1	0.13	1.8		03/31/15 21:01	75-15-0	
Carbon tetrachloride	**<0.58**	ug/m3	1.2	0.58	1.8		03/31/15 21:01	56-23-5	
Chlorobenzene	**<0.19**	ug/m3	1.7	0.19	1.8		03/31/15 21:01	108-90-7	
Chloroethane	**<0.29**	ug/m3	0.97	0.29	1.8		03/31/15 21:01	75-00-3	
Chloroform	**<0.32**	ug/m3	0.89	0.32	1.8		03/31/15 21:01	67-66-3	
Chloromethane	**<0.35**	ug/m3	0.76	0.35	1.8		03/31/15 21:01	74-87-3	
Cyclohexane	**<0.23**	ug/m3	1.3	0.23	1.8		03/31/15 21:01	110-82-7	
Dibromochloromethane	**<1.6**	ug/m3	3.1	1.6	1.8		03/31/15 21:01	124-48-1	
1,2-Dibromoethane (EDB)	**<0.42**	ug/m3	2.8	0.42	1.8		03/31/15 21:01	106-93-4	
1,2-Dichlorobenzene	**<0.25**	ug/m3	2.2	0.25	1.8		03/31/15 21:01	95-50-1	
1,3-Dichlorobenzene	**<0.42**	ug/m3	2.2	0.42	1.8		03/31/15 21:01	541-73-1	
1,4-Dichlorobenzene	**<0.36**	ug/m3	2.2	0.36	1.8		03/31/15 21:01	106-46-7	
Dichlorodifluoromethane	**3.5**	ug/m3	1.8	0.20	1.8		03/31/15 21:01	75-71-8	
1,1-Dichloroethane	**<0.25**	ug/m3	1.5	0.25	1.8		03/31/15 21:01	75-34-3	
1,2-Dichloroethane	**<0.21**	ug/m3	0.74	0.21	1.8		03/31/15 21:01	107-06-2	

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ANALYTICAL RESULTS

Project: Dun-Rite
Pace Project No.: 10300128

Sample: Can 1-D **Lab ID: 10300128002** Collected: 03/18/15 08:08 Received: 03/20/15 10:35 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
1,1-Dichloroethene	**<0.19**	ug/m3	1.5	0.19	1.8		03/31/15 21:01	75-35-4	
cis-1,2-Dichloroethene	**<0.35**	ug/m3	3.6	0.35	1.8		03/31/15 21:01	156-59-2	
trans-1,2-Dichloroethene	**<0.29**	ug/m3	1.5	0.29	1.8		03/31/15 21:01	156-60-5	
1,2-Dichloropropane	**<0.27**	ug/m3	1.7	0.27	1.8		03/31/15 21:01	78-87-5	
cis-1,3-Dichloropropene	**<0.24**	ug/m3	1.7	0.24	1.8		03/31/15 21:01	10061-01-5	
trans-1,3-Dichloropropene	**<0.27**	ug/m3	1.7	0.27	1.8		03/31/15 21:01	10061-02-6	
Dichlorotetrafluoroethane	**<0.45**	ug/m3	2.6	0.45	1.8		03/31/15 21:01	76-14-2	
Ethanol	**0.95J**	ug/m3	1.7	0.57	1.8		03/31/15 21:01	64-17-5	
Ethyl acetate	**<0.23**	ug/m3	1.3	0.23	1.8		03/31/15 21:01	141-78-6	
Ethylbenzene	**<0.32**	ug/m3	1.6	0.32	1.8		03/31/15 21:01	100-41-4	
4-Ethyltoluene	**<0.31**	ug/m3	1.8	0.31	1.8		03/31/15 21:01	622-96-8	
n-Heptane	**<0.29**	ug/m3	1.5	0.29	1.8		03/31/15 21:01	142-82-5	
Hexachloro-1,3-butadiene	**<0.74**	ug/m3	4.0	0.74	1.8		03/31/15 21:01	87-68-3	
n-Hexane	**<0.18**	ug/m3	1.3	0.18	1.8		03/31/15 21:01	110-54-3	
2-Hexanone	**<0.38**	ug/m3	1.5	0.38	1.8		03/31/15 21:01	591-78-6	
Methylene Chloride	**1.5J**	ug/m3	6.4	0.42	1.8		03/31/15 21:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.31**	ug/m3	3.7	0.31	1.8		03/31/15 21:01	108-10-1	
Methyl-tert-butyl ether	**<0.16**	ug/m3	1.3	0.16	1.8		03/31/15 21:01	1634-04-4	
Naphthalene	**<0.46**	ug/m3	4.8	0.46	1.8		03/31/15 21:01	91-20-3	
2-Propanol	**<0.17**	ug/m3	2.2	0.17	1.8		03/31/15 21:01	67-63-0	
Propylene	**0.27J**	ug/m3	0.63	0.20	1.8		03/31/15 21:01	115-07-1	
Styrene	**<0.24**	ug/m3	3.9	0.24	1.8		03/31/15 21:01	100-42-5	
1,1,2,2-Tetrachloroethane	**<0.42**	ug/m3	1.3	0.42	1.8		03/31/15 21:01	79-34-5	
Tetrachloroethene	**1600**	ug/m3	24.8	6.8	36		04/02/15 14:41	127-18-4	
Tetrahydrofuran	**1.5**	ug/m3	1.1	0.25	1.8		03/31/15 21:01	109-99-9	
Toluene	**<0.24**	ug/m3	1.4	0.24	1.8		03/31/15 21:01	108-88-3	
1,2,4-Trichlorobenzene	**<0.66**	ug/m3	2.7	0.66	1.8		03/31/15 21:01	120-82-1	
1,1,1-Trichloroethane	**<0.25**	ug/m3	1.3	0.25	1.8		03/31/15 21:01	71-55-6	
1,1,2-Trichloroethane	**<0.44**	ug/m3	1.0	0.44	1.8		03/31/15 21:01	79-00-5	
Trichloroethene	**0.76J**	ug/m3	0.98	0.32	1.8		03/31/15 21:01	79-01-6	
Trichlorofluoromethane	**<0.25**	ug/m3	2.1	0.25	1.8		03/31/15 21:01	75-69-4	
1,1,2-Trichlorotrifluoroethane	**<0.29**	ug/m3	2.9	0.29	1.8		03/31/15 21:01	76-13-1	
1,2,4-Trimethylbenzene	**<0.22**	ug/m3	1.8	0.22	1.8		03/31/15 21:01	95-63-6	
1,3,5-Trimethylbenzene	**<0.37**	ug/m3	1.8	0.37	1.8		03/31/15 21:01	108-67-8	
Vinyl acetate	**<0.63**	ug/m3	1.3	0.63	1.8		03/31/15 21:01	108-05-4	
Vinyl chloride	**<0.17**	ug/m3	0.47	0.17	1.8		03/31/15 21:01	75-01-4	
m&p-Xylene	**<0.25**	ug/m3	3.2	0.25	1.8		03/31/15 21:01	179601-23-1	
o-Xylene	**<0.79**	ug/m3	1.6	0.79	1.8		03/31/15 21:01	95-47-6	

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ANALYTICAL RESULTS

Project: Dun-Rite
Pace Project No.: 10300128

Sample: Blur C **Lab ID: 10300128003** Collected: 03/17/15 08:12 Received: 03/20/15 10:35 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Acetone	**16.0**	ug/m3	4.2	2.1	1.74		03/31/15 22:01	67-64-1	
Benzene	**0.41J**	ug/m3	0.57	0.21	1.74		03/31/15 22:01	71-43-2	
Benzyl chloride	**<0.92**	ug/m3	1.8	0.92	1.74		03/31/15 22:01	100-44-7	
Bromodichloromethane	**<0.32**	ug/m3	2.4	0.32	1.74		03/31/15 22:01	75-27-4	
Bromoform	**<0.56**	ug/m3	3.7	0.56	1.74		03/31/15 22:01	75-25-2	
Bromomethane	**<0.47**	ug/m3	1.4	0.47	1.74		03/31/15 22:01	74-83-9	
1,3-Butadiene	**<0.15**	ug/m3	0.78	0.15	1.74		03/31/15 22:01	106-99-0	
2-Butanone (MEK)	**30.8**	ug/m3	1.0	0.48	1.74		03/31/15 22:01	78-93-3	
Carbon disulfide	**1.6**	ug/m3	1.1	0.13	1.74		03/31/15 22:01	75-15-0	
Carbon tetrachloride	**<0.56**	ug/m3	1.1	0.56	1.74		03/31/15 22:01	56-23-5	
Chlorobenzene	**<0.18**	ug/m3	1.6	0.18	1.74		03/31/15 22:01	108-90-7	
Chloroethane	**<0.28**	ug/m3	0.94	0.28	1.74		03/31/15 22:01	75-00-3	
Chloroform	**<0.31**	ug/m3	0.86	0.31	1.74		03/31/15 22:01	67-66-3	
Chloromethane	**0.46J**	ug/m3	0.73	0.33	1.74		03/31/15 22:01	74-87-3	
Cyclohexane	**<0.22**	ug/m3	1.2	0.22	1.74		03/31/15 22:01	110-82-7	
Dibromochloromethane	**<1.5**	ug/m3	3.0	1.5	1.74		03/31/15 22:01	124-48-1	
1,2-Dibromoethane (EDB)	**<0.41**	ug/m3	2.7	0.41	1.74		03/31/15 22:01	106-93-4	
1,2-Dichlorobenzene	**6.6**	ug/m3	2.1	0.25	1.74		03/31/15 22:01	95-50-1	
1,3-Dichlorobenzene	**<0.40**	ug/m3	2.1	0.40	1.74		03/31/15 22:01	541-73-1	
1,4-Dichlorobenzene	**2.0J**	ug/m3	2.1	0.34	1.74		03/31/15 22:01	106-46-7	
Dichlorodifluoromethane	**15.4**	ug/m3	1.8	0.19	1.74		03/31/15 22:01	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/m3	1.4	0.24	1.74		03/31/15 22:01	75-34-3	
1,2-Dichloroethane	**<0.21**	ug/m3	0.72	0.21	1.74		03/31/15 22:01	107-06-2	
1,1-Dichloroethene	**<0.18**	ug/m3	1.4	0.18	1.74		03/31/15 22:01	75-35-4	
cis-1,2-Dichloroethene	**<0.34**	ug/m3	3.5	0.34	1.74		03/31/15 22:01	156-59-2	
trans-1,2-Dichloroethene	**<0.28**	ug/m3	1.4	0.28	1.74		03/31/15 22:01	156-60-5	
1,2-Dichloropropane	**<0.26**	ug/m3	1.6	0.26	1.74		03/31/15 22:01	78-87-5	
cis-1,3-Dichloropropene	**<0.24**	ug/m3	1.6	0.24	1.74		03/31/15 22:01	10061-01-5	
trans-1,3-Dichloropropene	**<0.26**	ug/m3	1.6	0.26	1.74		03/31/15 22:01	10061-02-6	
Dichlorotetrafluoroethane	**<0.43**	ug/m3	2.5	0.43	1.74		03/31/15 22:01	76-14-2	
Ethanol	**432**	ug/m3	1.7	0.55	1.74		03/31/15 22:01	64-17-5	E
Ethyl acetate	**<0.22**	ug/m3	1.3	0.22	1.74		03/31/15 22:01	141-78-6	
Ethylbenzene	**<0.31**	ug/m3	1.5	0.31	1.74		03/31/15 22:01	100-41-4	
4-Ethyltoluene	**1.5J**	ug/m3	1.7	0.30	1.74		03/31/15 22:01	622-96-8	
n-Heptane	**<0.28**	ug/m3	1.4	0.28	1.74		03/31/15 22:01	142-82-5	
Hexachloro-1,3-butadiene	**<0.72**	ug/m3	3.8	0.72	1.74		03/31/15 22:01	87-68-3	
n-Hexane	**4.5**	ug/m3	1.3	0.18	1.74		03/31/15 22:01	110-54-3	
2-Hexanone	**<0.37**	ug/m3	1.4	0.37	1.74		03/31/15 22:01	591-78-6	
Methylene Chloride	**4.7J**	ug/m3	6.1	0.40	1.74		03/31/15 22:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.30**	ug/m3	3.6	0.30	1.74		03/31/15 22:01	108-10-1	
Methyl-tert-butyl ether	**<0.15**	ug/m3	1.3	0.15	1.74		03/31/15 22:01	1634-04-4	
Naphthalene	**<0.45**	ug/m3	4.6	0.45	1.74		03/31/15 22:01	91-20-3	
2-Propanol	**<0.16**	ug/m3	2.2	0.16	1.74		03/31/15 22:01	67-63-0	
Propylene	**<0.19**	ug/m3	0.61	0.19	1.74		03/31/15 22:01	115-07-1	
Styrene	**<0.23**	ug/m3	3.8	0.23	1.74		03/31/15 22:01	100-42-5	
1,1,2,2-Tetrachloroethane	**<0.41**	ug/m3	1.2	0.41	1.74		03/31/15 22:01	79-34-5	

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ANALYTICAL RESULTS

Project: Dun-Rite
Pace Project No.: 10300128

Sample: Blur C **Lab ID: 10300128003** Collected: 03/17/15 08:12 Received: 03/20/15 10:35 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Tetrachloroethene	**43800**	ug/m3	1530	419	2227.2		04/02/15 00:26	127-18-4	A3
Tetrahydrofuran	**97.8**	ug/m3	1.0	0.24	1.74		03/31/15 22:01	109-99-9	
Toluene	**3.3**	ug/m3	1.3	0.23	1.74		03/31/15 22:01	108-88-3	
1,2,4-Trichlorobenzene	**<0.63**	ug/m3	2.6	0.63	1.74		03/31/15 22:01	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/m3	1.2	0.24	1.74		03/31/15 22:01	71-55-6	
1,1,2-Trichloroethane	**<0.42**	ug/m3	0.97	0.42	1.74		03/31/15 22:01	79-00-5	
Trichloroethene	**77.0**	ug/m3	0.95	0.31	1.74		03/31/15 22:01	79-01-6	
Trichlorofluoromethane	**<0.24**	ug/m3	2.0	0.24	1.74		03/31/15 22:01	75-69-4	
1,1,2-Trichlorotrifluoroethane	**<0.28**	ug/m3	2.8	0.28	1.74		03/31/15 22:01	76-13-1	
1,2,4-Trimethylbenzene	**6.0**	ug/m3	1.7	0.21	1.74		03/31/15 22:01	95-63-6	
1,3,5-Trimethylbenzene	**2.0**	ug/m3	1.7	0.36	1.74		03/31/15 22:01	108-67-8	
Vinyl acetate	**<0.61**	ug/m3	1.2	0.61	1.74		03/31/15 22:01	108-05-4	
Vinyl chloride	**<0.16**	ug/m3	0.45	0.16	1.74		03/31/15 22:01	75-01-4	
m&p-Xylene	**<0.24**	ug/m3	3.1	0.24	1.74		03/31/15 22:01	179601-23-1	
o-Xylene	**<0.77**	ug/m3	1.5	0.77	1.74		03/31/15 22:01	95-47-6	

Sample: Blur B **Lab ID: 10300128004** Collected: 03/14/15 10:25 Received: 03/20/15 10:35 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Acetone	**<2780**	ug/m3	5560	2780	2304		04/02/15 12:02	67-64-1	CL,L2
Benzene	**<272**	ug/m3	749	272	2304		04/02/15 12:02	71-43-2	
Benzyl chloride	**<1210**	ug/m3	2420	1210	2304		04/02/15 12:02	100-44-7	
Bromodichloromethane	**<419**	ug/m3	3130	419	2304		04/02/15 12:02	75-27-4	
Bromoform	**<744**	ug/m3	4840	744	2304		04/02/15 12:02	75-25-2	
Bromomethane	**<622**	ug/m3	1820	622	2304		04/02/15 12:02	74-83-9	
1,3-Butadiene	**<196**	ug/m3	1040	196	2304		04/02/15 12:02	106-99-0	
2-Butanone (MEK)	**<629**	ug/m3	1380	629	2304		04/02/15 12:02	78-93-3	
Carbon disulfide	**<166**	ug/m3	1450	166	2304		04/02/15 12:02	75-15-0	
Carbon tetrachloride	**<737**	ug/m3	1470	737	2304		04/02/15 12:02	56-23-5	
Chlorobenzene	**<244**	ug/m3	2170	244	2304		04/02/15 12:02	108-90-7	
Chloroethane	**<371**	ug/m3	1240	371	2304		04/02/15 12:02	75-00-3	
Chloroform	**<412**	ug/m3	1140	412	2304		04/02/15 12:02	67-66-3	
Chloromethane	**<442**	ug/m3	968	442	2304		04/02/15 12:02	74-87-3	
Cyclohexane	**<290**	ug/m3	1610	290	2304		04/02/15 12:02	110-82-7	
Dibromochloromethane	**<2000**	ug/m3	3990	2000	2304		04/02/15 12:02	124-48-1	
1,2-Dibromoethane (EDB)	**<539**	ug/m3	3590	539	2304		04/02/15 12:02	106-93-4	
1,2-Dichlorobenzene	**<325**	ug/m3	2810	325	2304		04/02/15 12:02	95-50-1	
1,3-Dichlorobenzene	**<535**	ug/m3	2810	535	2304		04/02/15 12:02	541-73-1	
1,4-Dichlorobenzene	**<456**	ug/m3	2810	456	2304		04/02/15 12:02	106-46-7	
Dichlorodifluoromethane	**<251**	ug/m3	2330	251	2304		04/02/15 12:02	75-71-8	
1,1-Dichloroethane	**<323**	ug/m3	1890	323	2304		04/02/15 12:02	75-34-3	
1,2-Dichloroethane	**<274**	ug/m3	947	274	2304		04/02/15 12:02	107-06-2	

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ANALYTICAL RESULTS

Project: Dun-Rite
Pace Project No.: 10300128

Sample: Blur B **Lab ID: 10300128004** Collected: 03/14/15 10:25 Received: 03/20/15 10:35 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
1,1-Dichloroethene	**<237**	ug/m3	1870	237	2304		04/02/15 12:02	75-35-4	
cis-1,2-Dichloroethene	**<452**	ug/m3	4640	452	2304		04/02/15 12:02	156-59-2	
trans-1,2-Dichloroethene	**<376**	ug/m3	1870	376	2304		04/02/15 12:02	156-60-5	
1,2-Dichloropropane	**<350**	ug/m3	2170	350	2304		04/02/15 12:02	78-87-5	
cis-1,3-Dichloropropene	**<313**	ug/m3	2120	313	2304		04/02/15 12:02	10061-01-5	
trans-1,3-Dichloropropene	**<348**	ug/m3	2120	348	2304		04/02/15 12:02	10061-02-6	
Dichlorotetrafluoroethane	**<574**	ug/m3	3270	574	2304		04/02/15 12:02	76-14-2	
Ethanol	**<726**	ug/m3	2210	726	2304		04/02/15 12:02	64-17-5	
Ethyl acetate	**<290**	ug/m3	1690	290	2304		04/02/15 12:02	141-78-6	
Ethylbenzene	**<412**	ug/m3	2030	412	2304		04/02/15 12:02	100-41-4	
4-Ethyltoluene	**<401**	ug/m3	2300	401	2304		04/02/15 12:02	622-96-8	
n-Heptane	**<373**	ug/m3	1910	373	2304		04/02/15 12:02	142-82-5	
Hexachloro-1,3-butadiene	**<947**	ug/m3	5070	947	2304		04/02/15 12:02	87-68-3	
n-Hexane	**<233**	ug/m3	1660	233	2304		04/02/15 12:02	110-54-3	
2-Hexanone	**<491**	ug/m3	1910	491	2304		04/02/15 12:02	591-78-6	
Methylene Chloride	**<532**	ug/m3	8130	532	2304		04/02/15 12:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<394**	ug/m3	4800	394	2304		04/02/15 12:02	108-10-1	
Methyl-tert-butyl ether	**<205**	ug/m3	1680	205	2304		04/02/15 12:02	1634-04-4	
Naphthalene	**<594**	ug/m3	6130	594	2304		04/02/15 12:02	91-20-3	
2-Propanol	**<214**	ug/m3	2880	214	2304		04/02/15 12:02	67-63-0	
Propylene	**<253**	ug/m3	806	253	2304		04/02/15 12:02	115-07-1	
Styrene	**<311**	ug/m3	4990	311	2304		04/02/15 12:02	100-42-5	
1,1,2,2-Tetrachloroethane	**<537**	ug/m3	1610	537	2304		04/02/15 12:02	79-34-5	
Tetrachloroethene	**134000**	ug/m3	1590	433	2304		04/02/15 12:02	127-18-4	
Tetrahydrofuran	**<320**	ug/m3	1380	320	2304		04/02/15 12:02	109-99-9	
Toluene	**<311**	ug/m3	1770	311	2304		04/02/15 12:02	108-88-3	
1,2,4-Trichlorobenzene	**<839**	ug/m3	3480	839	2304		04/02/15 12:02	120-82-1	
1,1,1-Trichloroethane	**<320**	ug/m3	1610	320	2304		04/02/15 12:02	71-55-6	
1,1,2-Trichloroethane	**<560**	ug/m3	1280	560	2304		04/02/15 12:02	79-00-5	
Trichloroethene	**<410**	ug/m3	1260	410	2304		04/02/15 12:02	79-01-6	
Trichlorofluoromethane	**<318**	ug/m3	2630	318	2304		04/02/15 12:02	75-69-4	
1,1,2-Trichlorotrifluoroethane	**<369**	ug/m3	3690	369	2304		04/02/15 12:02	76-13-1	
1,2,4-Trimethylbenzene	**<281**	ug/m3	2300	281	2304		04/02/15 12:02	95-63-6	
1,3,5-Trimethylbenzene	**<477**	ug/m3	2300	477	2304		04/02/15 12:02	108-67-8	
Vinyl acetate	**<802**	ug/m3	1650	802	2304		04/02/15 12:02	108-05-4	
Vinyl chloride	**<214**	ug/m3	599	214	2304		04/02/15 12:02	75-01-4	
m&p-Xylene	**<323**	ug/m3	4060	323	2304		04/02/15 12:02	179601-23-1	
o-Xylene	**<1020**	ug/m3	2030	1020	2304		04/02/15 12:02	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dun-Rite
Pace Project No.: 10300128

Sample: Blur A **Lab ID: 10300128005** Collected: 03/13/15 04:58 Received: 03/20/15 10:35 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Acetone	**<11600**	ug/m3	23100	11600	9574.4		04/01/15 23:03	67-64-1	CL,L2
Benzene	**<1130**	ug/m3	3110	1130	9574.4		04/01/15 23:03	71-43-2	
Benzyl chloride	**<5040**	ug/m3	10100	5040	9574.4		04/01/15 23:03	100-44-7	
Bromodichloromethane	**<1740**	ug/m3	13000	1740	9574.4		04/01/15 23:03	75-27-4	
Bromoform	**<3090**	ug/m3	20100	3090	9574.4		04/01/15 23:03	75-25-2	
Bromomethane	**<2590**	ug/m3	7560	2590	9574.4		04/01/15 23:03	74-83-9	
1,3-Butadiene	**<814**	ug/m3	4310	814	9574.4		04/01/15 23:03	106-99-0	
2-Butanone (MEK)	**<2610**	ug/m3	5740	2610	9574.4		04/01/15 23:03	78-93-3	
Carbon disulfide	**<689**	ug/m3	6030	689	9574.4		04/01/15 23:03	75-15-0	
Carbon tetrachloride	**<3060**	ug/m3	6120	3060	9574.4		04/01/15 23:03	56-23-5	
Chlorobenzene	**<1010**	ug/m3	9000	1010	9574.4		04/01/15 23:03	108-90-7	
Chloroethane	**<1540**	ug/m3	5170	1540	9574.4		04/01/15 23:03	75-00-3	
Chloroform	**<1710**	ug/m3	4750	1710	9574.4		04/01/15 23:03	67-66-3	
Chloromethane	**<1840**	ug/m3	4020	1840	9574.4		04/01/15 23:03	74-87-3	
Cyclohexane	**<1210**	ug/m3	6700	1210	9574.4		04/01/15 23:03	110-82-7	
Dibromochloromethane	**<8290**	ug/m3	16600	8290	9574.4		04/01/15 23:03	124-48-1	
1,2-Dibromoethane (EDB)	**<2240**	ug/m3	14900	2240	9574.4		04/01/15 23:03	106-93-4	
1,2-Dichlorobenzene	**<1350**	ug/m3	11700	1350	9574.4		04/01/15 23:03	95-50-1	
1,3-Dichlorobenzene	**<2220**	ug/m3	11700	2220	9574.4		04/01/15 23:03	541-73-1	
1,4-Dichlorobenzene	**<1900**	ug/m3	11700	1900	9574.4		04/01/15 23:03	106-46-7	
Dichlorodifluoromethane	**<1040**	ug/m3	9670	1040	9574.4		04/01/15 23:03	75-71-8	
1,1-Dichloroethane	**<1340**	ug/m3	7850	1340	9574.4		04/01/15 23:03	75-34-3	
1,2-Dichloroethane	**<1140**	ug/m3	3940	1140	9574.4		04/01/15 23:03	107-06-2	
1,1-Dichloroethene	**<986**	ug/m3	7760	986	9574.4		04/01/15 23:03	75-35-4	
cis-1,2-Dichloroethene	**<1880**	ug/m3	19300	1880	9574.4		04/01/15 23:03	156-59-2	
trans-1,2-Dichloroethene	**<1560**	ug/m3	7760	1560	9574.4		04/01/15 23:03	156-60-5	
1,2-Dichloropropane	**<1460**	ug/m3	9000	1460	9574.4		04/01/15 23:03	78-87-5	
cis-1,3-Dichloropropene	**<1300**	ug/m3	8810	1300	9574.4		04/01/15 23:03	10061-01-5	
trans-1,3-Dichloropropene	**<1450**	ug/m3	8810	1450	9574.4		04/01/15 23:03	10061-02-6	
Dichlorotetrafluoroethane	**<2380**	ug/m3	13600	2380	9574.4		04/01/15 23:03	76-14-2	
Ethanol	**<3020**	ug/m3	9190	3020	9574.4		04/01/15 23:03	64-17-5	
Ethyl acetate	**<1210**	ug/m3	7020	1210	9574.4		04/01/15 23:03	141-78-6	
Ethylbenzene	**<1710**	ug/m3	8430	1710	9574.4		04/01/15 23:03	100-41-4	
4-Ethyltoluene	**<1670**	ug/m3	9570	1670	9574.4		04/01/15 23:03	622-96-8	
n-Heptane	**<1550**	ug/m3	7950	1550	9574.4		04/01/15 23:03	142-82-5	
Hexachloro-1,3-butadiene	**<3940**	ug/m3	21100	3940	9574.4		04/01/15 23:03	87-68-3	
n-Hexane	**<967**	ug/m3	6890	967	9574.4		04/01/15 23:03	110-54-3	
2-Hexanone	**<2040**	ug/m3	7950	2040	9574.4		04/01/15 23:03	591-78-6	
Methylene Chloride	**<2210**	ug/m3	33800	2210	9574.4		04/01/15 23:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<1640**	ug/m3	19900	1640	9574.4		04/01/15 23:03	108-10-1	
Methyl-tert-butyl ether	**<852**	ug/m3	6990	852	9574.4		04/01/15 23:03	1634-04-4	
Naphthalene	**<2470**	ug/m3	25500	2470	9574.4		04/01/15 23:03	91-20-3	
2-Propanol	**<890**	ug/m3	12000	890	9574.4		04/01/15 23:03	67-63-0	
Propylene	**<1050**	ug/m3	3350	1050	9574.4		04/01/15 23:03	115-07-1	
Styrene	**<1290**	ug/m3	20700	1290	9574.4		04/01/15 23:03	100-42-5	
1,1,2,2-Tetrachloroethane	**<2230**	ug/m3	6680	2230	9574.4		04/01/15 23:03	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dun-Rite
Pace Project No.: 10300128

Sample: Blur A **Lab ID: 10300128005** Collected: 03/13/15 04:58 Received: 03/20/15 10:35 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Tetrachloroethene	**224000**	ug/m3	6600	1800	9574.4		04/01/15 23:03	127-18-4	
Tetrahydrofuran	**<1330**	ug/m3	5740	1330	9574.4		04/01/15 23:03	109-99-9	
Toluene	**<1290**	ug/m3	7370	1290	9574.4		04/01/15 23:03	108-88-3	
1,2,4-Trichlorobenzene	**<3490**	ug/m3	14500	3490	9574.4		04/01/15 23:03	120-82-1	
1,1,1-Trichloroethane	**<1330**	ug/m3	6680	1330	9574.4		04/01/15 23:03	71-55-6	
1,1,2-Trichloroethane	**<2330**	ug/m3	5310	2330	9574.4		04/01/15 23:03	79-00-5	
Trichloroethene	**<1700**	ug/m3	5230	1700	9574.4		04/01/15 23:03	79-01-6	
Trichlorofluoromethane	**<1320**	ug/m3	10900	1320	9574.4		04/01/15 23:03	75-69-4	
1,1,2-Trichlorotrifluoroethane	**<1530**	ug/m3	15300	1530	9574.4		04/01/15 23:03	76-13-1	
1,2,4-Trimethylbenzene	**<1170**	ug/m3	9560	1170	9574.4		04/01/15 23:03	95-63-6	
1,3,5-Trimethylbenzene	**<1980**	ug/m3	9560	1980	9574.4		04/01/15 23:03	108-67-8	
Vinyl acetate	**<3330**	ug/m3	6860	3330	9574.4		04/01/15 23:03	108-05-4	
Vinyl chloride	**<890**	ug/m3	2490	890	9574.4		04/01/15 23:03	75-01-4	
m&p-Xylene	**<1340**	ug/m3	16900	1340	9574.4		04/01/15 23:03	179601-23-1	
o-Xylene	**<4220**	ug/m3	8430	4220	9574.4		04/01/15 23:03	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Dun-Rite
Pace Project No.: 10300128

QC Batch: AIR/22895 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10300128001, 10300128002, 10300128003

METHOD BLANK: 1929460 Matrix: Air
Associated Lab Samples: 10300128001, 10300128002, 10300128003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.14	0.70	03/31/15 15:28	
1,1,2,2-Tetrachloroethane	ug/m3	<0.23	0.70	03/31/15 15:28	
1,1,2-Trichloroethane	ug/m3	<0.24	0.56	03/31/15 15:28	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.16	1.6	03/31/15 15:28	
1,1-Dichloroethane	ug/m3	<0.14	0.82	03/31/15 15:28	
1,1-Dichloroethene	ug/m3	<0.10	0.81	03/31/15 15:28	
1,2,4-Trichlorobenzene	ug/m3	<0.36	1.5	03/31/15 15:28	
1,2,4-Trimethylbenzene	ug/m3	<0.12	1.0	03/31/15 15:28	
1,2-Dibromoethane (EDB)	ug/m3	<0.23	1.6	03/31/15 15:28	
1,2-Dichlorobenzene	ug/m3	<0.14	1.2	03/31/15 15:28	
1,2-Dichloroethane	ug/m3	<0.12	0.41	03/31/15 15:28	
1,2-Dichloropropane	ug/m3	<0.15	0.94	03/31/15 15:28	
1,3,5-Trimethylbenzene	ug/m3	<0.21	1.0	03/31/15 15:28	
1,3-Butadiene	ug/m3	<0.085	0.45	03/31/15 15:28	
1,3-Dichlorobenzene	ug/m3	<0.23	1.2	03/31/15 15:28	
1,4-Dichlorobenzene	ug/m3	<0.20	1.2	03/31/15 15:28	
2-Butanone (MEK)	ug/m3	<0.27	0.60	03/31/15 15:28	
2-Hexanone	ug/m3	<0.21	0.83	03/31/15 15:28	
2-Propanol	ug/m3	<0.093	1.2	03/31/15 15:28	
4-Ethyltoluene	ug/m3	<0.17	1.0	03/31/15 15:28	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.17	2.1	03/31/15 15:28	
Acetone	ug/m3	<1.2	2.4	03/31/15 15:28	
Benzene	ug/m3	<0.12	0.32	03/31/15 15:28	
Benzyl chloride	ug/m3	<0.53	1.0	03/31/15 15:28	
Bromodichloromethane	ug/m3	<0.18	1.4	03/31/15 15:28	
Bromoform	ug/m3	<0.32	2.1	03/31/15 15:28	
Bromomethane	ug/m3	<0.27	0.79	03/31/15 15:28	
Carbon disulfide	ug/m3	<0.072	0.63	03/31/15 15:28	
Carbon tetrachloride	ug/m3	<0.32	0.64	03/31/15 15:28	
Chlorobenzene	ug/m3	<0.11	0.94	03/31/15 15:28	
Chloroethane	ug/m3	<0.16	0.54	03/31/15 15:28	
Chloroform	ug/m3	<0.18	0.50	03/31/15 15:28	
Chloromethane	ug/m3	<0.19	0.42	03/31/15 15:28	
cis-1,2-Dichloroethene	ug/m3	<0.20	2.0	03/31/15 15:28	
cis-1,3-Dichloropropene	ug/m3	<0.14	0.92	03/31/15 15:28	
Cyclohexane	ug/m3	<0.13	0.70	03/31/15 15:28	
Dibromochloromethane	ug/m3	<0.87	1.7	03/31/15 15:28	
Dichlorodifluoromethane	ug/m3	<0.11	1.0	03/31/15 15:28	
Dichlorotetrafluoroethane	ug/m3	<0.25	1.4	03/31/15 15:28	
Ethanol	ug/m3	<0.32	0.96	03/31/15 15:28	
Ethyl acetate	ug/m3	<0.13	0.73	03/31/15 15:28	

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Dun-Rite
Pace Project No.: 10300128

METHOD BLANK: 1929460 Matrix: Air
Associated Lab Samples: 10300128001, 10300128002, 10300128003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/m3	<0.18	0.88	03/31/15 15:28	
Hexachloro-1,3-butadiene	ug/m3	<0.41	2.2	03/31/15 15:28	
m&p-Xylene	ug/m3	<0.14	1.8	03/31/15 15:28	
Methyl-tert-butyl ether	ug/m3	<0.089	0.73	03/31/15 15:28	
Methylene Chloride	ug/m3	<0.23	3.5	03/31/15 15:28	
n-Heptane	ug/m3	<0.16	0.83	03/31/15 15:28	
n-Hexane	ug/m3	<0.10	0.72	03/31/15 15:28	
Naphthalene	ug/m3	<0.26	2.7	03/31/15 15:28	
o-Xylene	ug/m3	<0.44	0.88	03/31/15 15:28	
Propylene	ug/m3	<0.11	0.35	03/31/15 15:28	
Styrene	ug/m3	<0.14	2.2	03/31/15 15:28	
Tetrachloroethene	ug/m3	<0.19	0.69	03/31/15 15:28	
Tetrahydrofuran	ug/m3	<0.14	0.60	03/31/15 15:28	
Toluene	ug/m3	<0.14	0.77	03/31/15 15:28	
trans-1,2-Dichloroethene	ug/m3	<0.16	0.81	03/31/15 15:28	
trans-1,3-Dichloropropene	ug/m3	<0.15	0.92	03/31/15 15:28	
Trichloroethene	ug/m3	<0.18	0.55	03/31/15 15:28	
Trichlorofluoromethane	ug/m3	<0.14	1.1	03/31/15 15:28	
Vinyl acetate	ug/m3	<0.35	0.72	03/31/15 15:28	
Vinyl chloride	ug/m3	<0.093	0.26	03/31/15 15:28	

LABORATORY CONTROL SAMPLE: 1929461

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	27.7	24.5	88	72-140	
1,1,2,2-Tetrachloroethane	ug/m3	34.9	27.8	80	68-137	
1,1,2-Trichloroethane	ug/m3	27.7	23.5	85	66-138	
1,1,2-Trichlorotrifluoroethane	ug/m3	39	31.3	80	70-132	
1,1-Dichloroethane	ug/m3	20.6	17.0	83	68-137	
1,1-Dichloroethene	ug/m3	20.2	15.6	77	73-138	
1,2,4-Trichlorobenzene	ug/m3	37.7	36.3	96	48-150	
1,2,4-Trimethylbenzene	ug/m3	25	27.1	109	75-134	
1,2-Dibromoethane (EDB)	ug/m3	39.1	37.4	96	75-132	
1,2-Dichlorobenzene	ug/m3	30.6	31.9	104	71-129	
1,2-Dichloroethane	ug/m3	20.6	15.6	76	73-139	
1,2-Dichloropropane	ug/m3	23.5	21.7	92	70-130	
1,3,5-Trimethylbenzene	ug/m3	25	27.8	111	75-133	
1,3-Butadiene	ug/m3	11.2	9.8	87	66-135	
1,3-Dichlorobenzene	ug/m3	30.6	32.3	106	75-131	
1,4-Dichlorobenzene	ug/m3	30.6	29.0	95	69-135	
2-Butanone (MEK)	ug/m3	15	13.8	92	67-131	
2-Hexanone	ug/m3	20.8	20.4	98	72-130	
2-Propanol	ug/m3	12.5	11.0	88	66-133	
4-Ethyltoluene	ug/m3	25	27.9	112	75-130	

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QUALITY CONTROL DATA

Project: Dun-Rite
Pace Project No.: 10300128

LABORATORY CONTROL SAMPLE: 1929461

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/m3	20.8	19.1	92	68-134	
Acetone	ug/m3	12.1	8.7	72	63-144	
Benzene	ug/m3	16.2	15.2	94	64-139	
Benzyl chloride	ug/m3	26.2	29.4	112	75-129	
Bromodichloromethane	ug/m3	34.1	30.7	90	75-134	
Bromoform	ug/m3	52.6	55.8	106	72-130	
Bromomethane	ug/m3	19.7	16.5	83	71-132	
Carbon disulfide	ug/m3	15.8	13.1	83	56-139	
Carbon tetrachloride	ug/m3	32	29.8	93	75-150	
Chlorobenzene	ug/m3	23.4	21.5	92	71-132	
Chloroethane	ug/m3	13.4	11.4	85	71-129	
Chloroform	ug/m3	24.8	20.0	80	73-136	
Chloromethane	ug/m3	10.5	8.1	77	52-143	
cis-1,2-Dichloroethene	ug/m3	20.2	17.1	85	64-137	
cis-1,3-Dichloropropene	ug/m3	23.1	25.3	109	75-128	
Cyclohexane	ug/m3	17.5	17.1	98	62-143	
Dibromochloromethane	ug/m3	43.3	42.9	99	75-136	
Dichlorodifluoromethane	ug/m3	25.2	20.8	83	70-141	
Dichlorotetrafluoroethane	ug/m3	35.6	28.3	80	71-139	
Ethanol	ug/m3	9.6	9.0	94	60-144	
Ethyl acetate	ug/m3	18.3	14.3	78	64-137	
Ethylbenzene	ug/m3	22.1	24.3	110	71-136	
Hexachloro-1,3-butadiene	ug/m3	54.2	38.6	71	51-150	
m&p-Xylene	ug/m3	44.2	47.3	107	71-134	
Methyl-tert-butyl ether	ug/m3	18.3	24.1	132	73-134	
Methylene Chloride	ug/m3	17.7	13.0	74	64-130	
n-Heptane	ug/m3	20.8	18.6	89	63-135	
n-Hexane	ug/m3	17.9	15.1	84	69-135	
Naphthalene	ug/m3	26.7	25.3	95	43-150	
o-Xylene	ug/m3	22.1	23.3	105	75-134	
Propylene	ug/m3	8.8	6.4	74	58-135	
Styrene	ug/m3	21.7	19.9	92	75-133	
Tetrachloroethene	ug/m3	34.5	33.9	98	66-137	
Tetrahydrofuran	ug/m3	15	12.4	83	58-135	
Toluene	ug/m3	19.2	17.8	93	70-129	
trans-1,2-Dichloroethene	ug/m3	20.2	17.1	85	61-140	
trans-1,3-Dichloropropene	ug/m3	23.1	21.9	95	75-134	
Trichloroethene	ug/m3	27.3	26.3	96	70-134	
Trichlorofluoromethane	ug/m3	28.6	21.9	77	67-140	
Vinyl acetate	ug/m3	17.9	16.3	91	60-139	
Vinyl chloride	ug/m3	13	10.7	83	72-129	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Dun-Rite
Pace Project No.: 10300128

SAMPLE DUPLICATE: 1929780

Parameter	Units	10300128002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.25	<0.25		25	
1,1,2,2-Tetrachloroethane	ug/m3	<0.42	<0.42		25	
1,1,2-Trichloroethane	ug/m3	<0.44	<0.44		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.29	<0.29		25	
1,1-Dichloroethane	ug/m3	<0.25	<0.25		25	
1,1-Dichloroethene	ug/m3	<0.19	<0.19		25	
1,2,4-Trichlorobenzene	ug/m3	<0.66	<0.66		25	
1,2,4-Trimethylbenzene	ug/m3	<0.22	<0.22		25	
1,2-Dibromoethane (EDB)	ug/m3	<0.42	<0.42		25	
1,2-Dichlorobenzene	ug/m3	<0.25	<0.25		25	
1,2-Dichloroethane	ug/m3	<0.21	<0.21		25	
1,2-Dichloropropane	ug/m3	<0.27	<0.27		25	
1,3,5-Trimethylbenzene	ug/m3	<0.37	<0.37		25	
1,3-Butadiene	ug/m3	<0.15	<0.15		25	
1,3-Dichlorobenzene	ug/m3	<0.42	<0.42		25	
1,4-Dichlorobenzene	ug/m3	<0.36	<0.36		25	
2-Butanone (MEK)	ug/m3	1.4	1.3	13	25	
2-Hexanone	ug/m3	<0.38	<0.38		25	
2-Propanol	ug/m3	<0.17	<0.17		25	
4-Ethyltoluene	ug/m3	<0.31	<0.31		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.31	<0.31		25	
Acetone	ug/m3	<2.2	<2.2		25	
Benzene	ug/m3	<0.21	<0.21		25	
Benzyl chloride	ug/m3	<0.95	<0.95		25	
Bromodichloromethane	ug/m3	<0.33	<0.33		25	
Bromoform	ug/m3	<0.58	<0.58		25	
Bromomethane	ug/m3	<0.49	<0.49		25	
Carbon disulfide	ug/m3	<0.13	<0.13		25	
Carbon tetrachloride	ug/m3	<0.58	<0.58		25	
Chlorobenzene	ug/m3	<0.19	<0.19		25	
Chloroethane	ug/m3	<0.29	<0.29		25	
Chloroform	ug/m3	<0.32	<0.32		25	
Chloromethane	ug/m3	<0.35	<0.35		25	
cis-1,2-Dichloroethene	ug/m3	<0.35	<0.35		25	
cis-1,3-Dichloropropene	ug/m3	<0.24	<0.24		25	
Cyclohexane	ug/m3	<0.23	<0.23		25	
Dibromochloromethane	ug/m3	<1.6	<1.6		25	
Dichlorodifluoromethane	ug/m3	3.5	3.0	17	25	
Dichlorotetrafluoroethane	ug/m3	<0.45	<0.45		25	
Ethanol	ug/m3	0.95J	1.5J		25	
Ethyl acetate	ug/m3	<0.23	<0.23		25	
Ethylbenzene	ug/m3	<0.32	<0.32		25	
Hexachloro-1,3-butadiene	ug/m3	<0.74	<0.74		25	
m&p-Xylene	ug/m3	<0.25	<0.25		25	
Methyl-tert-butyl ether	ug/m3	<0.16	<0.16		25	
Methylene Chloride	ug/m3	1.5J	3.6J		25	
n-Heptane	ug/m3	<0.29	<0.29		25	

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QUALITY CONTROL DATA

Project: Dun-Rite
Pace Project No.: 10300128

SAMPLE DUPLICATE: 1929780

Parameter	Units	10300128002 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	<0.18	<0.18		25	
Naphthalene	ug/m3	<0.46	<0.46		25	
o-Xylene	ug/m3	<0.79	<0.79		25	
Propylene	ug/m3	0.27J	0.33J		25	
Styrene	ug/m3	<0.24	<0.24		25	
Tetrachloroethene	ug/m3	1600	366	126	25	
Tetrahydrofuran	ug/m3	1.5	1.4	5	25	
Toluene	ug/m3	<0.24	<0.24		25	
trans-1,2-Dichloroethene	ug/m3	<0.29	<0.29		25	
trans-1,3-Dichloropropene	ug/m3	<0.27	<0.27		25	
Trichloroethene	ug/m3	0.76J	0.60J		25	
Trichlorofluoromethane	ug/m3	<0.25	<0.25		25	
Vinyl acetate	ug/m3	<0.63	<0.63		25	
Vinyl chloride	ug/m3	<0.17	<0.17		25	

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QUALITY CONTROL DATA

Project: Dun-Rite
Pace Project No.: 10300128

QC Batch: AIR/22908 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10300128004, 10300128005

METHOD BLANK: 1929975 Matrix: Air
Associated Lab Samples: 10300128004, 10300128005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.14	0.70	04/01/15 14:10	
1,1,2,2-Tetrachloroethane	ug/m3	<0.23	0.70	04/01/15 14:10	
1,1,2-Trichloroethane	ug/m3	<0.24	0.56	04/01/15 14:10	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.16	1.6	04/01/15 14:10	
1,1-Dichloroethane	ug/m3	<0.14	0.82	04/01/15 14:10	
1,1-Dichloroethene	ug/m3	<0.10	0.81	04/01/15 14:10	
1,2,4-Trichlorobenzene	ug/m3	<0.36	1.5	04/01/15 14:10	
1,2,4-Trimethylbenzene	ug/m3	<0.12	1.0	04/01/15 14:10	
1,2-Dibromoethane (EDB)	ug/m3	<0.23	1.6	04/01/15 14:10	
1,2-Dichlorobenzene	ug/m3	<0.14	1.2	04/01/15 14:10	
1,2-Dichloroethane	ug/m3	<0.12	0.41	04/01/15 14:10	
1,2-Dichloropropane	ug/m3	<0.15	0.94	04/01/15 14:10	
1,3,5-Trimethylbenzene	ug/m3	<0.21	1.0	04/01/15 14:10	
1,3-Butadiene	ug/m3	<0.085	0.45	04/01/15 14:10	
1,3-Dichlorobenzene	ug/m3	<0.23	1.2	04/01/15 14:10	
1,4-Dichlorobenzene	ug/m3	<0.20	1.2	04/01/15 14:10	
2-Butanone (MEK)	ug/m3	<0.27	0.60	04/01/15 14:10	
2-Hexanone	ug/m3	<0.21	0.83	04/01/15 14:10	
2-Propanol	ug/m3	<0.093	1.2	04/01/15 14:10	
4-Ethyltoluene	ug/m3	<0.17	1.0	04/01/15 14:10	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.17	2.1	04/01/15 14:10	
Acetone	ug/m3	<1.2	2.4	04/01/15 14:10	CL,L2
Benzene	ug/m3	<0.12	0.32	04/01/15 14:10	
Benzyl chloride	ug/m3	<0.53	1.0	04/01/15 14:10	
Bromodichloromethane	ug/m3	<0.18	1.4	04/01/15 14:10	
Bromoform	ug/m3	<0.32	2.1	04/01/15 14:10	
Bromomethane	ug/m3	<0.27	0.79	04/01/15 14:10	
Carbon disulfide	ug/m3	<0.072	0.63	04/01/15 14:10	
Carbon tetrachloride	ug/m3	<0.32	0.64	04/01/15 14:10	
Chlorobenzene	ug/m3	<0.11	0.94	04/01/15 14:10	
Chloroethane	ug/m3	<0.16	0.54	04/01/15 14:10	
Chloroform	ug/m3	<0.18	0.50	04/01/15 14:10	
Chloromethane	ug/m3	<0.19	0.42	04/01/15 14:10	
cis-1,2-Dichloroethene	ug/m3	<0.20	2.0	04/01/15 14:10	
cis-1,3-Dichloropropene	ug/m3	<0.14	0.92	04/01/15 14:10	
Cyclohexane	ug/m3	<0.13	0.70	04/01/15 14:10	
Dibromochloromethane	ug/m3	<0.87	1.7	04/01/15 14:10	
Dichlorodifluoromethane	ug/m3	<0.11	1.0	04/01/15 14:10	
Dichlorotetrafluoroethane	ug/m3	<0.25	1.4	04/01/15 14:10	
Ethanol	ug/m3	<0.32	0.96	04/01/15 14:10	
Ethyl acetate	ug/m3	<0.13	0.73	04/01/15 14:10	

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QUALITY CONTROL DATA

Project: Dun-Rite
Pace Project No.: 10300128

METHOD BLANK: 1929975 Matrix: Air
Associated Lab Samples: 10300128004, 10300128005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/m3	<0.18	0.88	04/01/15 14:10	
Hexachloro-1,3-butadiene	ug/m3	<0.41	2.2	04/01/15 14:10	
m&p-Xylene	ug/m3	<0.14	1.8	04/01/15 14:10	
Methyl-tert-butyl ether	ug/m3	<0.089	0.73	04/01/15 14:10	
Methylene Chloride	ug/m3	<0.23	3.5	04/01/15 14:10	
n-Heptane	ug/m3	<0.16	0.83	04/01/15 14:10	
n-Hexane	ug/m3	<0.10	0.72	04/01/15 14:10	
Naphthalene	ug/m3	<0.26	2.7	04/01/15 14:10	
o-Xylene	ug/m3	<0.44	0.88	04/01/15 14:10	
Propylene	ug/m3	<0.11	0.35	04/01/15 14:10	
Styrene	ug/m3	<0.14	2.2	04/01/15 14:10	
Tetrachloroethene	ug/m3	<0.19	0.69	04/01/15 14:10	
Tetrahydrofuran	ug/m3	<0.14	0.60	04/01/15 14:10	
Toluene	ug/m3	<0.14	0.77	04/01/15 14:10	
trans-1,2-Dichloroethene	ug/m3	<0.16	0.81	04/01/15 14:10	
trans-1,3-Dichloropropene	ug/m3	<0.15	0.92	04/01/15 14:10	
Trichloroethene	ug/m3	<0.18	0.55	04/01/15 14:10	
Trichlorofluoromethane	ug/m3	<0.14	1.1	04/01/15 14:10	
Vinyl acetate	ug/m3	<0.35	0.72	04/01/15 14:10	
Vinyl chloride	ug/m3	<0.093	0.26	04/01/15 14:10	

LABORATORY CONTROL SAMPLE: 1929976

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	27.7	24.1	87	72-140	
1,1,2,2-Tetrachloroethane	ug/m3	34.9	28.3	81	68-137	
1,1,2-Trichloroethane	ug/m3	27.7	23.0	83	66-138	
1,1,2-Trichlorotrifluoroethane	ug/m3	39	31.3	80	70-132	
1,1-Dichloroethane	ug/m3	20.6	17.2	84	68-137	
1,1-Dichloroethene	ug/m3	20.2	15.1	75	73-138	
1,2,4-Trichlorobenzene	ug/m3	37.7	39.7	105	48-150	
1,2,4-Trimethylbenzene	ug/m3	25	28.4	114	75-134	
1,2-Dibromoethane (EDB)	ug/m3	39.1	38.4	98	75-132	
1,2-Dichlorobenzene	ug/m3	30.6	32.6	107	71-129	
1,2-Dichloroethane	ug/m3	20.6	15.4	75	73-139	
1,2-Dichloropropane	ug/m3	23.5	21.9	93	70-130	
1,3,5-Trimethylbenzene	ug/m3	25	29.4	118	75-133	
1,3-Butadiene	ug/m3	11.2	9.7	86	66-135	
1,3-Dichlorobenzene	ug/m3	30.6	33.7	110	75-131	
1,4-Dichlorobenzene	ug/m3	30.6	30.2	99	69-135	
2-Butanone (MEK)	ug/m3	15	13.9	92	67-131	
2-Hexanone	ug/m3	20.8	20.7	99	72-130	
2-Propanol	ug/m3	12.5	11.0	88	66-133	
4-Ethyltoluene	ug/m3	25	29.3	117	75-130	

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QUALITY CONTROL DATA

Project: Dun-Rite
Pace Project No.: 10300128

LABORATORY CONTROL SAMPLE: 1929976

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/m3	20.8	19.6	94	68-134	
Acetone	ug/m3	12.1	7.1	59	63-144	CL,L2
Benzene	ug/m3	16.2	15.3	94	64-139	
Benzyl chloride	ug/m3	26.2	28.9	110	75-129	
Bromodichloromethane	ug/m3	34.1	30.0	88	75-134	
Bromoform	ug/m3	52.6	56.1	107	72-130	
Bromomethane	ug/m3	19.7	16.3	83	71-132	
Carbon disulfide	ug/m3	15.8	12.9	82	56-139	
Carbon tetrachloride	ug/m3	32	28.8	90	75-150	
Chlorobenzene	ug/m3	23.4	22.2	95	71-132	
Chloroethane	ug/m3	13.4	11.7	87	71-129	
Chloroform	ug/m3	24.8	19.6	79	73-136	
Chloromethane	ug/m3	10.5	8.0	76	52-143	
cis-1,2-Dichloroethene	ug/m3	20.2	17.4	86	64-137	
cis-1,3-Dichloropropene	ug/m3	23.1	26.2	113	75-128	
Cyclohexane	ug/m3	17.5	17.0	97	62-143	
Dibromochloromethane	ug/m3	43.3	43.6	101	75-136	
Dichlorodifluoromethane	ug/m3	25.2	20.3	81	70-141	
Dichlorotetrafluoroethane	ug/m3	35.6	28.1	79	71-139	
Ethanol	ug/m3	9.6	8.5	89	60-144	
Ethyl acetate	ug/m3	18.3	14.3	78	64-137	
Ethylbenzene	ug/m3	22.1	25.1	114	71-136	
Hexachloro-1,3-butadiene	ug/m3	54.2	43.8	81	51-150	
m&p-Xylene	ug/m3	44.2	47.9	108	71-134	
Methyl-tert-butyl ether	ug/m3	18.3	22.2	121	73-134	
Methylene Chloride	ug/m3	17.7	13.0	74	64-130	
n-Heptane	ug/m3	20.8	19.5	94	63-135	
n-Hexane	ug/m3	17.9	15.6	87	69-135	
Naphthalene	ug/m3	26.7	28.7	108	43-150	
o-Xylene	ug/m3	22.1	23.9	108	75-134	
Propylene	ug/m3	8.8	6.6	75	58-135	
Styrene	ug/m3	21.7	20.9	96	75-133	
Tetrachloroethene	ug/m3	34.5	35.3	102	66-137	
Tetrahydrofuran	ug/m3	15	12.5	83	58-135	
Toluene	ug/m3	19.2	18.0	94	70-129	
trans-1,2-Dichloroethene	ug/m3	20.2	16.9	84	61-140	
trans-1,3-Dichloropropene	ug/m3	23.1	22.3	97	75-134	
Trichloroethene	ug/m3	27.3	26.8	98	70-134	
Trichlorofluoromethane	ug/m3	28.6	21.4	75	67-140	
Vinyl acetate	ug/m3	17.9	16.3	91	60-139	
Vinyl chloride	ug/m3	13	10.8	83	72-129	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Dun-Rite
Pace Project No.: 10300128

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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 at or above the adjusted LOD.

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

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TNI - The NELAC Institute.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

SAMPLE QUALIFIERS

Sample: 10300128004

[1] This result is reported from a serial dilution.

Sample: 10300128005

[1] This result is reported from a serial dilution.

ANALYTE QUALIFIERS

A3	The sample was analyzed by serial dilution.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Dun-Rite
Pace Project No.: 10300128

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10300128001	**Can 2-A**	TO-15	AIR/22895		
10300128002	**Can 1-D**	TO-15	AIR/22895		
10300128003	**Blur C**	TO-15	AIR/22895		
10300128004	**Blur B**	TO-15	AIR/22908		
10300128005	**Blur A**	TO-15	AIR/22908		

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.

14374 Page: 1 of 1

Section A Required Client Information:

Company: Sand Creek
Address: PO Box 218
Amherst, WI 54406
Email To: pete.arntsen@sand-creek
Phone: 715-824-5169 Fax: 5169
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Pete Arntsen
Copy To:
Purchase Order No.:
Project Name: Dun-Rite
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 ___ 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 END/GRAB DATE	COLLECTED COMPOSITE START END/GRAB TIME	COLLECTED COMPOSITE - DATE	COLLECTED COMPOSITE - TIME	Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method: 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	Can 2-A	1LC	0	3/13/15	4:52	3/13	4:58	29	2.5	10 12								X			001
2	Can 1-D	1LC	1.0	3/18	8:00	3/18	8:08	28	0.5	1776								X			002
3	Blwr C	1LC	15	3/17	8:03	3/17	8:12	30+	0.5	2008								X			003
4	Blwr B	1LC	35	3/14	10[18]	3/14	10[25]	28.5	1.5	2267								X			004
5	Blwr A	1LC	56	3/13/15	4:52	3/13	4:58	28.5	20	2444								X			005
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Pete Arntsen/SCC	3/19/15	1200	Pace	32015	1035

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: Pete Arntsen

SIGNATURE of SAMPLER: Pete Arntsen DATE Signed (MM / DD / YY): 03/18/2015

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: Sand Creek Consultants

Project #: WO# 10300128

10300128

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

Tracking Number: 632238076955

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:** 3/23/15

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.

Samples Received:

Canisters		Flow Controllers		Stand Alone G	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID
Can 2-A	1012		0820		
Can 1-D	1776		0835		
Blur C	2008		0371		
Blur B	2267		0547		
Blur A	2444		0463		

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

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: **Date:** 3/23/15

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)

Tables and Map from April 17, 2015, Letter to WDNR from Sand Creek

Tables

Table 1: Soil Chemistry Data
Dun-Rite Cleaners, Stevens Point, WI

Sample Location	Sample Date	Sample Depth (ft)	Tetrachloroethene (mg/kg)	Trichloroethene (mg/kg)
Protective of Groundwater RCLs[1]			*0.0045*	*0.0036*
Non-Industrial Direct Contact RCLs[1]			**30.7**	**1.26**
DR-1[A]	3/30/2010	3-4	*0.56*	--
DR-2[A]	3/30/2010	6-7	*<0.025*	--
DR-3[A]	3/30/2010	2-3	0.094	--
GP-4[A]	7/15/2013	2	<0.025	--
		4	*0.038* J	--
		6	<0.025	--
GP-5[A]	7/15/2013	2	*0.18*	--
		4	<0.025	--
		6	*0.24*	--
GP-6[A]	7/15/2013	2	<0.025	--
		4	<0.025	--
		6	<0.025	--
GP-7[A]	7/15/2013	2	<0.025	--
		4	<0.025	--
		6	<0.025	--
GP-8[A]	7/15/2013	2	<0.025	--
		4	<0.025	--
		6	<0.025	--
GP-9[A]	7/15/2013	2	<0.025	--
		4	<0.025	--
		6	<0.025	--
GP-10[A]	12/12/2013	3-4	*7.0*	--
GP-11[A]	12/12/2013	3-4	*1.1*	--
SGP101	9/19/2014	4	<0.025	<0.025
		7	<0.025	<0.025
SGP102	9/19/2014	1	*0.11*	<0.025
		3	*1.8*	<0.025
		5	<0.025	<0.025
		7	<0.025	<0.025
SGP103	9/19/2014	3	*0.81*	<0.025
		5	*0.12*	<0.025
SGP104	9/19/2014	4 J	*0.65*	<0.025
		7	<0.025	<0.025
SGP105	9/19/2014	3	*0.76*	<0.025
		7	<0.025	<0.025
SGP106	9/19/2014	3	*2.9*	<0.025
		7	<0.025	<0.025
SGP107	9/19/2014	4	<0.025	<0.025
SB-A	3/2/2015	3	**33**	<0.20
		7	*3.7*	<0.025
SB-B	2/27/2015	1	*6.1*	<0.025
		3	*9.0*	<0.026
SB-C	2/27/2015	1	*1.6*	<0.025
		3	*3.0*	<0.025
SB-D	3/2/2015	2.5	*0.51*	<0.027
	2/27/2015	3	*2.0*	<0.025
	3/2/2015	7	0.038 J	<0.025
SGP215	3/3/2015	3	*0.30*	<0.025
SGP216	3/3/2015	3	*0.036* J	<0.025
		6	<0.025	<0.025

Notes:

mg/kg = milligrams per kilogram, which is equivalent to parts per million.

J = Analyte was detected but is below the reporting limit. The concentration is estimated.

<0.025 = Substance not detected above indicated detection limit.

-- = Data unavailable

Italics indicate exceedance of Protective of Groundwater RCL.

[1]Residual Contaminant Levels (RCLs) determined using a spreadsheet based on the US EPA Regional Screening Level Web Calculator and included on WDNR web page (http://dnr.wi.gov/topic/Brownfields/Professionals.html).

[A] = Data generated during investigations conducted by AECOM.

Table 2: **Groundwater Chemistry Data**
Dun-Rite Cleaners, Stevens Point, WI

Sample Location	Sample Date	Tetrachloroethene (µg/l)	Trichloroethene (µg/l)
PAL		*0.5*	*0.5*
ES		**5.0**	**5.0**
DR-1[A]	3/30/2010	<0.45	--
DR-2[A]	3/30/2010	<0.45	--
DR-3[A]	3/30/2010	<0.45	--
GP-4[A]	7/19/2013	*2.0*	<0.43
	10/2/2013	*0.9*	<0.36
GP-5[A]	7/19/2013	<0.47	<0.43
	10/2/2013	<0.47	<0.36
GP-6[A]	7/19/2013	*3.7*	<0.43
	10/2/2013	*2.2*	<0.36
	12/13/2013	*4.9*	<0.36
GP-7[A]	7/19/2013	**8.0**	<0.43
	10/2/2013	*3.6*	<0.36
	12/13/2013	*2.4*	<0.36
GP-8[A]	7/19/2013	<0.47	<0.43
	10/2/2013	*4.2*	<0.36
	12/13/2013	*3.7*	<0.36
	9/23/2014	*0.83* J	<0.33
GP-9[A]	7/19/2013	**295**	**7.4**
	10/2/2013	***655***	**12**
	12/13/2013	***745***	**14**
	9/23/2014	**279**	**7.4**
GP-10[A]	12/13/2013	**331**	*1.9*
GP-11[A]	12/13/2013	**2570**	***<18.2***
GP-12[A]	12/13/2013	**254**	<1.8
	9/23/2014	**487**	*2.2* J
SGP108	9/19/2014	*2.8*	<.33
SGP109	9/19/2014	**52**	*1.3*
SGP110	9/19/2014	*1.5*	<.33
SGP111	9/19/2014	**64**	*0.88* J
SGP112	9/19/2014	**145**	*1.2* J
SGP113	9/19/2014	**762**	<3.3
SGP114	9/19/2014	**539**	*3.4* J
SGP216	3/3/2015	**9.7**	<0.33
SGP217	3/3/2015	**342**	*3.1* J
SGP218	3/3/2015	*4*	<0.33
SGP219	3/3/2015	<0.5	<0.33
SGP220	3/3/2015	<0.5	<0.33
SGP221	3/3/2015	**40**	<0.33
SGP222	3/3/2015	**790**	**10.7**
SGP223	3/3/2015	**119**	**7.4**
SGP224	3/3/2015	<0.5	<0.33
SGP225	3/3/2015	<0.5	<0.33
SGP226	3/3/2015	**728**	**8.7** J

Notes:

12 *Italics* indicate exceedance of NR 140 Preventive Action Limit.

4.4 **Bold** indicates exceedance of NR 140 Enforcement Standard.

<0.45 = Substance not detected above indicated detection limit.

-- = Data unavailable

J = Analyte was detected but is below the reporting limit. The concentration is estimated.

ES - Enforcement Standard listed in Chapter NR 140, Wisconsin Administrative Code, January 2012.

PAL - Preventive Action Limit listed in Chapter NR 140, Table 1, Wisconsin Administrative Code, January 2012.

[A] = Data generated during investigations conducted by AECOM.

Table 3: Vapor Chemistry Data
Dun-Rite Cleaners, Stevens Point, WI

Ambient Air Samples

Sample ID	Date	Location	Tetrachloro-ethene ($\mu g/m^3$)	Trichloro-ethene ($\mu g/m^3$)
Indoor Air Vapor Action Levels[1]				
	Non-Residential		**180**	**8.8**
	Residential		*42*	*2.1*
AA201	5/29/2014	Dun-Rite	**1,940**	**63.3**
AA202	5/29/2014	Dun-Rite	**1,990**	**66.0**
AA203	5/29/2014	Outdoor	12.9	<0.076
AA304	7/18/2014	Residence	2.5	<0.85
	3/2/2015		10.7	<0.31
AA405	9/19/2014	Outdoor	<1.2	<0.92
	2/27/2015		20.6	<0.38
AA406	9/19/2014	United Way	2.1	1.3
	2/27/2015		73.8	3.0
AA407	9/19/2014	Wildcard	4.0	<1.2
	2/27/2015		82.5	1.5
AA408	9/19/2014	Vacant	9.9	1.5
	2/23/2015		21.5	2.1

Sub-Slab Vapor Samples

Sample ID	Date	Location	Tetrachloro-ethene ($\mu g/m^3$)	Trichloro-ethene ($\mu g/m^3$)
Sub-Slab Vapor Screening Levels[1]				
	Non-Residential		**1800**	**88**
	Residential 33, 33 4m2 IA VAL		*420* 1400	*21* 70
SSV101	4/8/2014	Dun-Rite	**2,550,000**	**527**
SSV202	5/29/2014	Dun-Rite	*1,700*	**113**
SSV203	5/29/2014	Dun-Rite	**27,600**	<20.1
SSV304	7/18/2014	Residence	12.7	<1.2
	3/2/2015		34.7	<0.25
SSV405	9/19/2014	Vacant	**7,470**	**139**
	2/24/2015		**17,800**	**183**
SSV406	9/19/2014	Wildcard	**11,300**	<28.3
	2/27/2015		**7,180**	<24.9

Notes:

$\mu g/m^3$: micrograms per cubic meter.

<0.076 = Substance not detected above indicated detection limit.

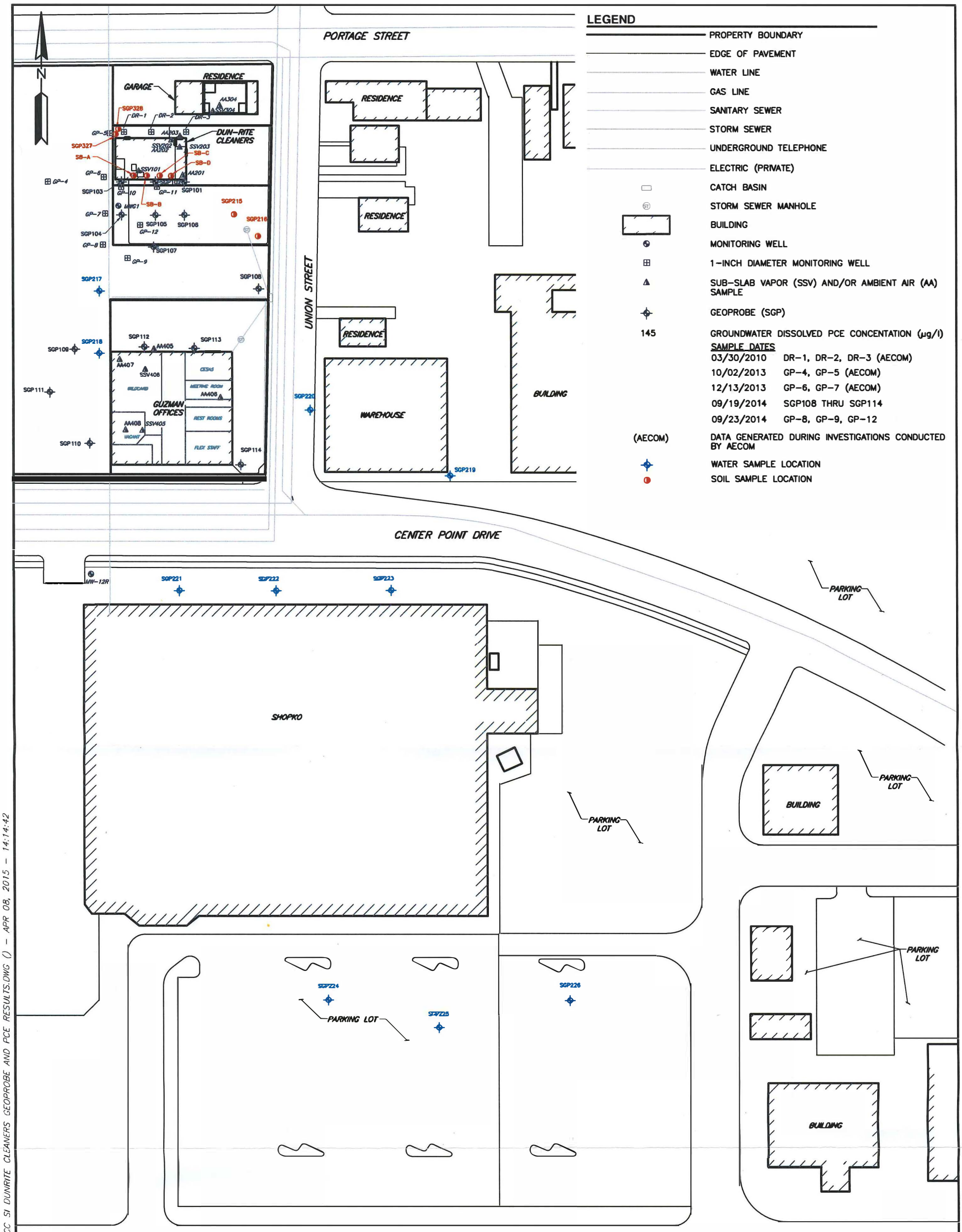
Bold indicate concentration exceeds Vapor Action Level or Vapor Screening Level for Non-Residential Conditions.

Italics indicate concentration exceeds Vapor Action Level or Vapor Screening Level for Residential Conditions.

[1] Indoor Air Vapor Action Levels obtained from the **Indoor Air Vapor Action Levels for Various VOCs Quick Look-up Table Based on May 2014 Regional Screening Level Summary Table.** [http://dnr.wi.gov/topic/Brownfields/documents/vapor/vapor-quick.pdf]. Sub-slab Vapor Screening Levels are ten times (10x) greater than Indoor Air Vapor Action Levels.

NI indicates not indicated on Air Vapor Action Levels table.

Figure 1
Sample Location Map



NOTE:

EXISTING CONDITIONS AND EXISTING MONITORING WELL LOCATIONS TAKEN FROM SITE PLAN BY AECOM DATED SEPTEMBER 2013, JANUARY 2014 AND DIGITIZED PORTAGE COUNTY GIS 2010 AIR PHOTO AND GOOGLE EARTH IMAGE DATED SEPTEMBER 2013.

Environmental and Geological Scientists and Engineers

Environmental and Geological Scientists and Engineers

SAMPLE LOCATION MAP

DUN-RITE CLEANERS
1008 UNION STREET
STEVENS POINT, WISCONSIN

DATE: APRIL 2015	DRAWN BY: KAP
SCALE: 1"=80'	APPROVED BY: PDA
	FIGURE X

F:\SCC F\SENTRY INSURANCE DUN RITE\DRAWINGS\MASTER SCC SI DUNRITE CLEANERS GEOPROBE AND PCE RESULTS.DWG () - APR 08, 2015 - 14:14:42

AECOM Draft Soil and Groundwater PCE Maps

PORTAGE STREET

MW-8

PCE CONTAMINATED SOIL EXCAVATED DEC. 2014

HOUSE

FORMER PCE WASTE CONTAINERS

DUN-RITE CLEANERS

ASPHALT PARKING LOT

DRIVEWAY (UNPAVED)

ASPHALT PARKING LOT

GUZMAN OFFICES

CENTERPOINT DRIVE

LB-20 <25.0 (2-3)
LB-19 <25.0 (3-4)
LB-21 <25.0 (3-4)
LB-22 <25.0 (5.5-6.5)
GP-5 180 (~2) <25.0 (~4) 241 (~6)
MW-9
LB-41
LB-14 <25.0 (5.5-6.5)
MW-4
LB-18 <25.0 (5.5-6.5)
GP-16 140 (2-3) <25.0 (4-5)
GP-14 <25.0 (2-3) <25.0 (4-5)
LB-17 <25.0 (3-4)
LB-39 48.6 (1.5-2.5) <25.0 (5-6)
GP-4 <25.0 (~2) 38.4 (~4) <25.0 (~6)
GP-6 <25.0 (~2) <25.0 (~4) <25.0 (~6)
GP-10 7020 (3-4)
GP-11 1090 (3-4)
LB-12
LB-40 28.5 (2.5-3.5) <25.0 (6-7)
GP-13 <25.0 (2-3) <25.0 (4-5) <25.0 (6-7)
GP-15 <25.0 (2-3) <25.0 (4-5)
LB-38 <25.0 (4-5) <25.0 (6-7)
LB-16 <25.0 (2-3)
MW-5
GP-19
GP-7 <25.0 (~2) <25.0 (~4) <25.0 (~6)
GP-12
LB-36
LB-15 <25.0 (6-7)
GP-8 <25.0 (~2) <25.0 (~4) <25.0 (~6)
LB-13 <25.0 (2-3)
GP-20
GP-9 <25.0 (~2) <25.0 (~4) <25.0 (~6)
MW-10
LB-37
LB-11 <25.0 (7-8)
GP-21
MW-7
MW-11
LB-10
LB-34
LB-9 PCE - <25.0 (7-8)
LB-35
GP-22 213 (2-3) <25.0 (7-8)
LB-33
DRAFT
LB-8
GP-23 31.5 (2-3) <25.0 (7-8)
SGP-112
SGP-113
SGP-109
GP-24 80.7 (2-3) <25.0 (7-8)
SGP-111
GP-25 <25.0 (2-3) <25.0 (7-8)
LB-7
LB-6
SGP-110
MW-6
GP-27
GP-26

GP-23	(2-3)	(7-8)
B:	<25.0	<25.0
E:	71.2	<25.0
T:	187	<25.0
X:	481	<75.0
NAP:	274	<40.0
TMB:	284.6	<50.0

GP-24	(2-3)	(7-8)
B:	<25.0	<25.0
E:	<25.0	<25.0
T:	33.8	<25.0
X:	45.6	<75.0
NAP:	54.6	<40.0
TMB:	40.3	<50.0

GP-25	(3-4)	(7-8)
B:	95.1	<25.0
E:	36.2	<25.0
T:	262	<25.0
X:	196.4	<75.0
NAP:	88.8	<40.0
TMB:	72.8	<50.0

LEGEND:

- SAND CREEK BORING (SEPT. 2014)
- AECOM CONFIRMATION BORING (MARCH 2015)
- 2013 TEMPORARY WELL LOCATION
- HISTORIC BORING LOCATION (March-April 2010)
- MAY 2014 BORING LOCATION
- HISTORIC MONITORING WELL LOCATION (ABANDONED)
- PROPERTY BOUNDARY
- FORMER BUILDINGS

PVOCS -
B = BENZENE
E = ETHYLBENZENE
T = TOLUENE
X = XYLENE (TOTAL)
NAP = NAPHTHALENE
TMB = TRIMETHYLBENZENE (TOTAL)

NOTES:
1. PCE = TETRACHLOROETHENE
2. RESULTS IN UG/KG
3. (0-1) = 0' to 1' SAMPLE DEPTH BELOW GROUND SURFACE (BGS)
4. RESULTS IN RED EXCEED GROUNDWATER PROTECTION RESIDUAL CONTAMINANT LEVEL (RCL-gw)

0' 15' 30' 60'
SCALE

AECOM
Stevens Point Office
200 Indiana Avenue
Stevens Point, WI
715.341.8110

Former Lullabye Site
1017 Third Street
Stevens Point, Wisconsin

CONFIRMATION SOIL BORINGS
PCE AND PVOC RESULTS IN SOIL

Project Number: 60333629 | Drawn By: LNK | Date: 3/26/2015

Figure No. 1

PORTAGE STREET

MW-8

LB-20
PCE - <0.45

HOUSE

LB-22
PCE - *0.62*

GP-5

FORMER PCE WASTE CONTAINERS

MW-9
PCE - **82**
(PCE - **12**)

PCE - <0.47

LB-14
PCE - <0.45

MW-4
PCE - ND

DUN-RITE CLEANERS

GP-6
PCE - *4.9*

GP-10
PCE - 331
TCE - *1.9*

GP-11
PCE - 2570

GP-4
PCE - *0.9*

LB-12
PCE - <0.45

MW-5
PCE - ND

GP-7
PCE - *2.4*

GP-19
PCE - <0.50

GP-12
PCE - 254

ASPHALT PARKING LOT

LB-13
PCE - <0.45

GP-8
PCE - *3.7*

GP-20
PCE - 3.4

GP-9
PCE - 783
TCE - 13.7

MW-10
PCE - **94**
(PCE - *3*)

LB-11
PCE - <0.45

GP-21
PCE - 0.63

DRIVEWAY (UNPAVED)

MW-7
PCE - **50**
(PCE - *19*)

MW-11
PCE - ND

UNION STREET

LB-9
PCE - <0.45

GP-22
PCE - 60.6
TCE - 2.2

ASPHALT PARKING LOT

LB-8

GP-23
PCE - 1.2

SGP-112
PCE - 145

SGP-113
PCE - 762

SGP-109
PCE - 52

GP-24
PCE - 1.1

SGP-111
PCE - 64

GUZMAN OFFICES

GP-25
PCE - 1.6

LB-7
PCE - **7.7**
(PCE - ND)

MW-6

GP-27
PCE - <0.50

SGP-110
PCE - 1.5

GP-26
PCE - 3.8

LB-6

W-2
E - ND

CENTERPOINT DRIVE

MW-12 MW-12R
PCE - 1.7
PCE - 10.0
(PCE - 7.5)

DRAFT

SHOPKO

NOTES:

1. PCE = TETRACHLOROETHENE
2. TCE = TRICHLOROETHENE
3. RESULTS IN UG/L
4. ES = ENFORCEMENT STANDARDS
5. PAL = PREVENTIVE ACTION LIMIT
6. RESULTS IN **RED** EXCEED ES (5.0 ug/L), RESULTS IN *PURPLE* EXCEED PAL (0.5 ug/L). (BASED ON 2010 - 2015 SAMPLING EVENTS)
7. **BOLD** RESULTS EXCEED ES, *UNDERLINED AND ITALICIZED* RESULTS EXCEED PAL. (BASED ON HISTORIC SAMPLING EVENTS; 1995-1998, DATA FROM 1998, WHEN AVAILABLE, IS IN PARENTHESES)

LEGEND:

- 2013 TEMPORARY WELL LOCATION
- HISTORIC BORING LOCATION (MARCH-APRIL 2010) with groundwater data
- HISTORIC MONITORING WELL LOCATION (1995 - 1998)
- PROPERTY BOUNDARY
- FORMER BUILDINGS
- SAND CREEK BORING (SEPT. 2014)
- AECOM CONFIRMATION BORING (MARCH 2015)
- AECOM CONFIRMATION MONITORING WELL (DECEMBER 2015)

0' 20' 40' 80'
SCALE

N

AECOM
Stevens Point Office
200 Indiana Avenue
Stevens Point, WI
715.341.8110

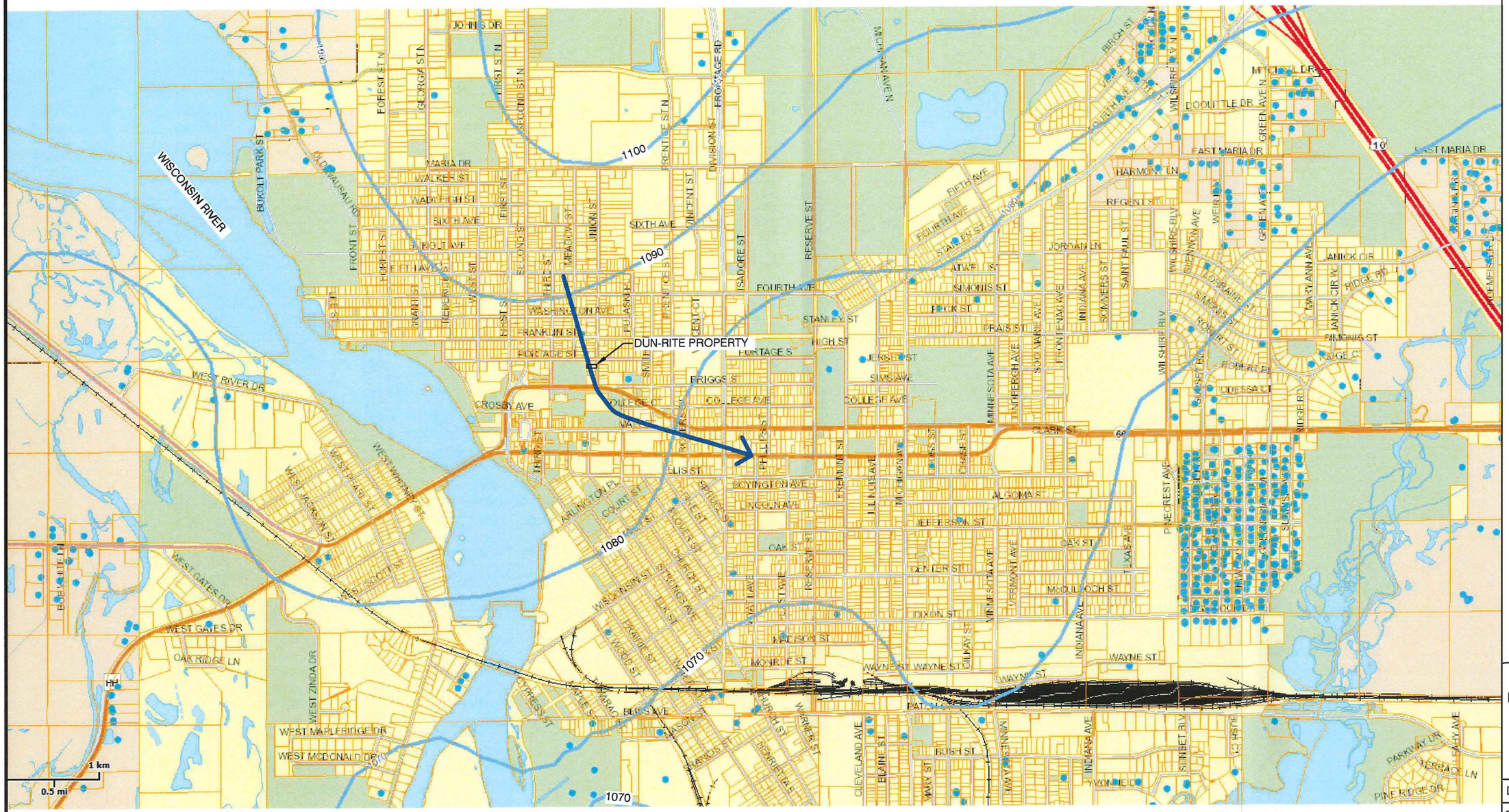
AECOM

Former Lullabye Site
1017 Third Street
Stevens Point, Wisconsin

CONFIRMATION SOIL BORINGS
PCE RESULTS IN GROUNDWATER

Project Number:	Drawn By:	Date:	Figure No. 2
60333629	LNK	3/26/2015	

Stevens Point Groundwater Contours January 2014
(Excerpt from Portage County GIS)



NOTE:

GROUNDWATER MAP PROVIDED BY PORTAGE COUNTY LAND RECORDS MAPPING WEBSITE. PRIVATE WELL AND GROUNDWATER ELEVATION INFORMATION UPDATED JANUARY 7, 2014.

LEGEND

1070 GROUNDWATER CONTOUR

ESTIMATED GROUNDWATER FLOW PATH THROUGH DUN-RITE PROPERTY

SAND CREEK CONSULTANTS, Inc.

Environmental and Geological Scientists and Engineers

N

STEVENS POINT GROUNDWATER CONTOURS JANUARY 2014

0 750 1500

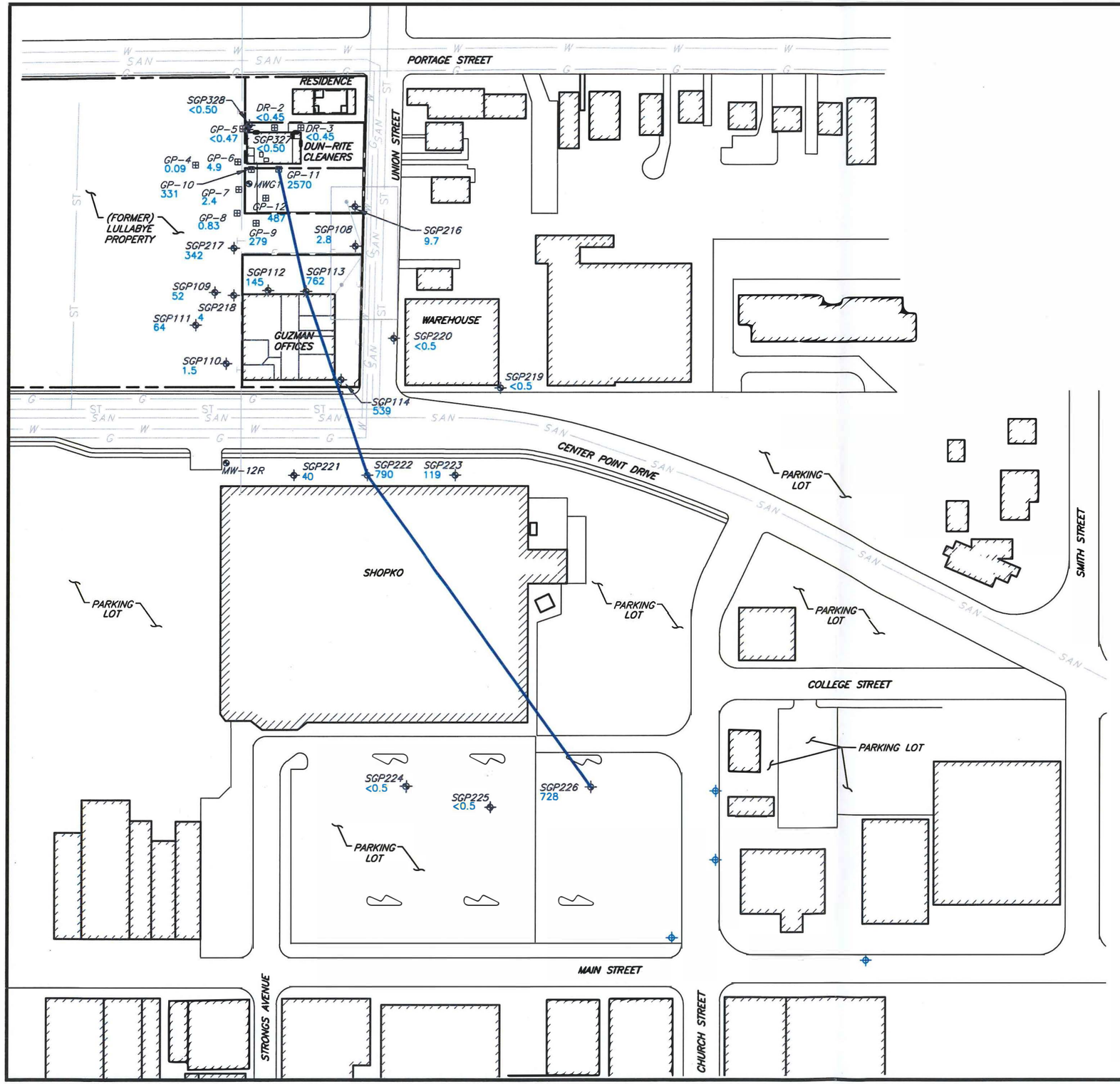
SCALE IN FEET

DUN-RITE CLEANERS
1008 UNION STREET
STEVENS POINT
WISCONSIN

DATE:	JULY 2015
SCALE:	1"=1500'
DRAWN BY:	KAP
APPROVED :	PDA

FIGURE

Figure 1
Existing and Proposed Groundwater Sampling Locations



LEGEND

- PROPERTY BOUNDARY
- EDGE OF PAVEMENT
- W — WATER LINE
- G — GAS LINE
- SAN — SANITARY SEWER
- ST — STORM SEWER
- T — UNDERGROUND TELEPHONE
- E — E — ELECTRIC (PRIVATE)
- CATCH BASIN
- STORM SEWER MANHOLE
- BUILDING
- MONITORING WELL
- 10 — GROUNDWATER PCE CONCENTRATION (µg/l)
- 1-INCH DIAMTER MONITORING WELL
- GEOPROBE GROUNDWATER SAMPLE LOCATION
- PROPOSED GEOPROBE WATER SAMPLE LOCATION

SAMPLE DATES

03/30/2010	DR-2, DR-3 (AECOM)
10/02/2013	GP-4, GP-5 (AECOM)
12/13/2013	GP-6, GP-7, GP-10, GP-11 (AECOM)
09/19/2014	SGP108 THRU SGP114
09/23/2014	GP-8, GP-9, GP-12
03/03/2015	SGP216 THRU SGP226
04/07/2015	SGP327, SGP328

(AECOM) — DATA GENERATED DURING INVESTIGATIONS CONDUCTED BY AECOM

- APPROXIMATE CENTERLINE OF DISSOLVED CE PLUME

NOTE:

EXISTING CONDITIONS AND EXISTING MONITORING WELL LOCATIONS TAKEN FROM SITE PLAN BY AECOM DATED SEPTEMBER 2013, JANUARY 2014 AND DIGITIZED PORTAGE COUNTY GIS 2010 AIR PHOTO AND GOOGLE EARTH IMAGE DATED SEPTEMBER 2013.

SAND CREEK CONSULTANTS, Inc.

Environmental and Geological Scientists and Engineers

N

EXISTING AND PROPOSED GROUNDWATER SAMPLING LOCATIONS

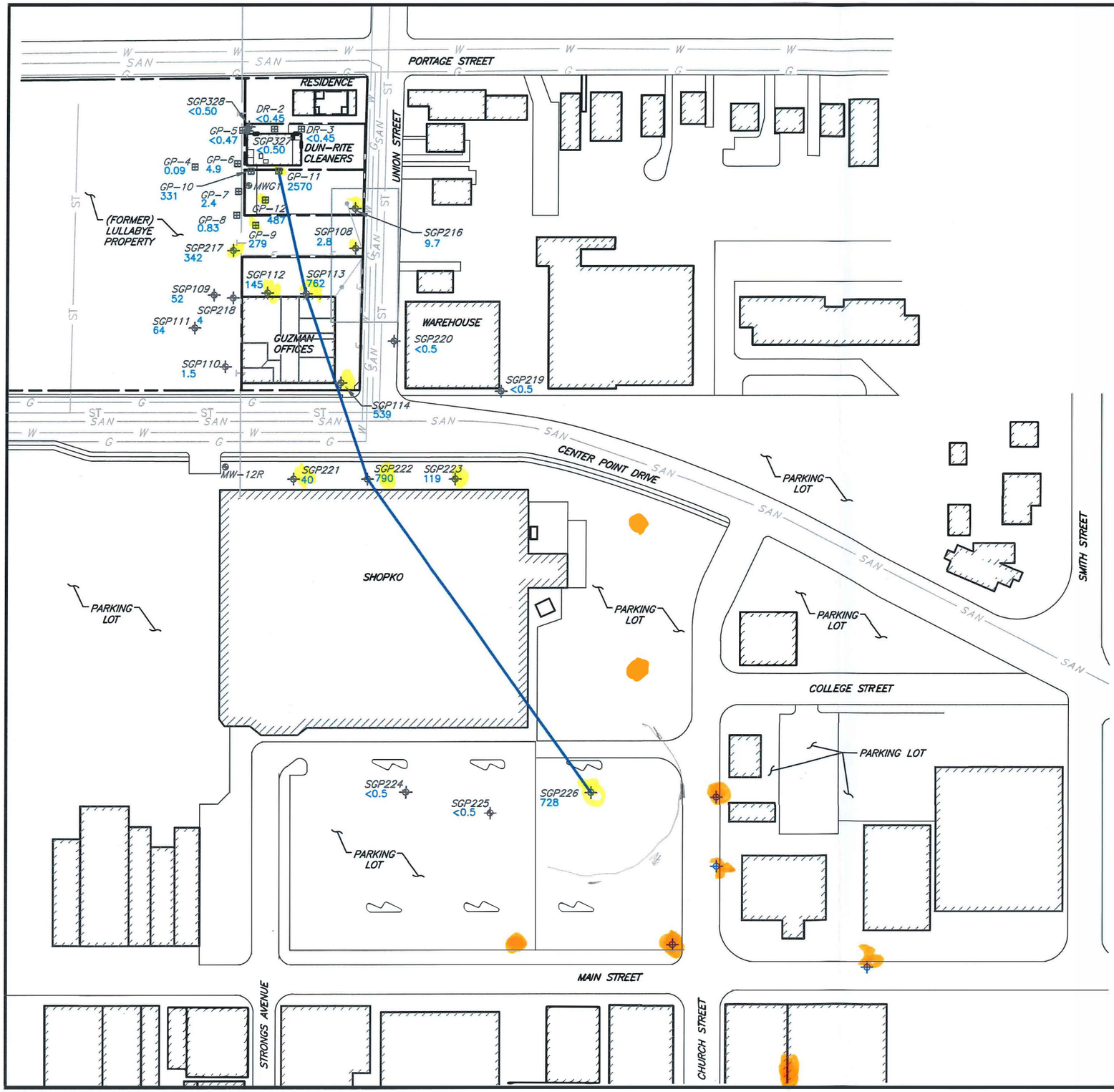
0 60 120

SCALE IN FEET

DUN-RITE CLEANERS
1008 UNION STREET
STEVENS POINT
WISCONSIN

DATE:	JULY 2015
SCALE:	1"=120'
DRAWN BY:	KAP
APPROVED :	PDA

FIGURE 1



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APPROXIMATE CENTERLINE OF DISSOLVED PCE PLUME

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SAND CREEK CONSULTANTS, Inc.
Environmental and Geological Scientists and Engineers

N

EXISTING AND PROPOSED GROUNDWATER SAMPLING LOCATIONS

0 60 120
SCALE IN FEET

DUN-RITE CLEANERS
1008 UNION STREET
STEVENS POINT
WISCONSIN

DATE:	JULY 2015
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FIGURE 1