SMITH+GARDNER
ENGINEERS

ADDRESS
14 N. Boylan Avenue, Raleigh NC 27603

TEL
919.828.0577

WEB
www.smithgardnerinc.com

February 18, 2016

Ms. Jaclynne Drummond
NCDENR Division of Waste Management
Asheville Regional Office
2090 U.S. Highway 70
Swannanoa, North Carolina 28778

RE: Leachate Release Investigation Results
Avery County C&D Landfill (NC Solid Waste Permit No. 0603)
Spruce Pine, North Carolina

Dear Ms. Drummond:

Smith Gardner, Inc. (S+G) on behalf of Avery County is pleased to present this brief letter report summarizing the leachate release investigation at the Avery County C&D Landfill (Permit No. 0603) in Spruce Pine, NC. S+G performed a leachate release investigation In accordance with our January 12, 2016 Leachate Release Response Plan[1] (Plan).

Sampling

Soil and Surface Water Sample Collection

On August 13, 2015 S+G personnel mobilized to the site to collect soil samples. The leachate flow path was confirmed in the field by field personnel prior to sampling. In accordance with the Plan, two discreet grab samples were collected to evaluate soil quality within the leachate flow path; one sample from the source area of the release, and the second sample from the area near the discharge point into the sedimentation basin. Due to the presence of naturally occurring inorganic metals in the soils of North Carolina, a third sample (background sample) was collected at an upgradient location away from the leachate flow path. Soil samples were collected from a depth between one (1) and two (2) feet below grade The field confirmed leachate flow path and sample locations are shown on the attached Figure 1.

Sample Analysis and Results

Soil samples were analyzed for the Appendix I list of constituents (40 CFR 258 Appendix I) by Shealy Laboratories, Inc. (Columbia, SC); a North Carolina certified laboratory. Sample results from the two soil samples collected in the flow path were compared with the background sample and the NCDENR IHSB Preliminary Soil Remediation Goals (PRGs).

No organic constituents were detected above their Standards for the soil samples. The only organic constituent detected was acetone, which was also detected in the method blank and is a common laboratory contaminant. The inorganic soil samples from the background location (Soil 1) had detections of cobalt and vanadium above their PRGs. These constituents

[1] Leachate Response Plan, letter to Jaclynne Drummond from S+G, January 12, 2016.

were also detected in the samples within the leachate flowpath at lower concentrations. Sample results and comparisons are presented in **Table 1**.

Summary & Conclusions

Inorganic constituents are naturally occurring in North Carolina soils. Concentrations of inorganic constituents were consistently higher in the background sample (soil 1), than the downgradient samples (soil 2 or soil 3). This Indicates the metals concentrations detected in the flow path are not due to the leachate release.

No organic constituents were reported at concentrations above the PRGs in soil samples, The only organic constituent detected was also detected in the method blank indicating the source was not the leachate release.

Based on the soil laboratory analysis, the leachate release does not appear to have adversely affected the natural environment at the site. If you have any questions or require additional information, please contact us at 919-828-0577 or by email below.

Sincerely,
SMITH GARDNER, INC.

Madeline M. German, P.G.
Project Geologist
madeline@smithgardnerinc.com

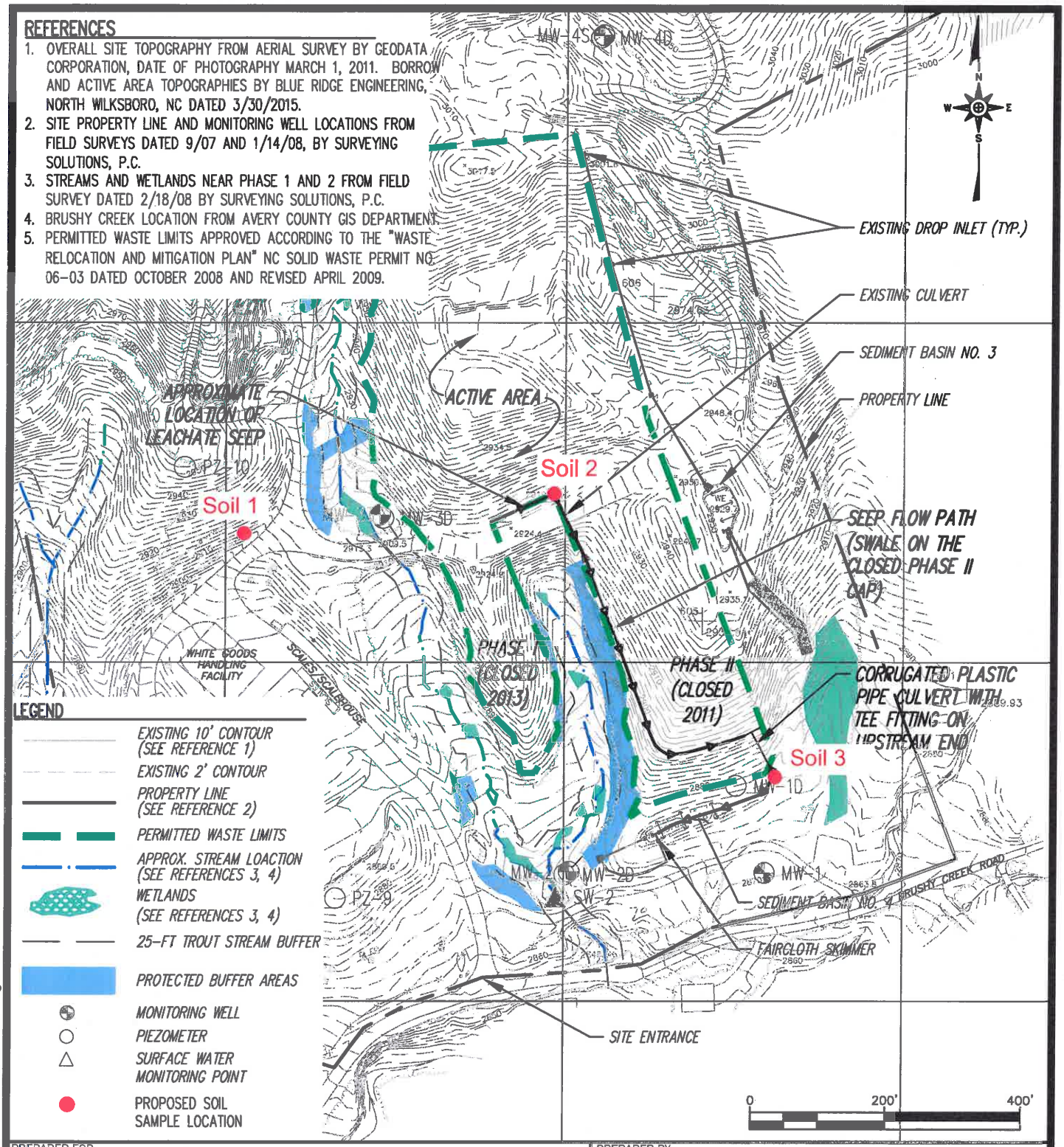
Joan A. Smyth, P.G.
Senior Hydrogeologist
joan@smithgardnerinc.com

Attachments

cc: Eric Foster – Avery County
Bill Wagner – NCDEQ ARO

REFERENCES

1. OVERALL SITE TOPOGRAPHY FROM AERIAL SURVEY BY GEODATA CORPORATION, DATE OF PHOTOGRAPHY MARCH 1, 2011. BORROW AND ACTIVE AREA TOPOGRAPHIES BY BLUE RIDGE ENGINEERING, NORTH WILKSBORO, NC DATED 3/30/2015.
2. SITE PROPERTY LINE AND MONITORING WELL LOCATIONS FROM FIELD SURVEYS DATED 9/07 AND 1/14/08, BY SURVEYING SOLUTIONS, P.C.
3. STREAMS AND WETLANDS NEAR PHASE 1 AND 2 FROM FIELD SURVEY DATED 2/18/08 BY SURVEYING SOLUTIONS, P.C.
4. BRUSHY CREEK LOCATION FROM AVERY COUNTY GIS DEPARTMENT.
5. PERMITTED WASTE LIMITS APPROVED ACCORDING TO THE "WASTE RELOCATION AND MITIGATION PLAN" NC SOLID WASTE PERMIT NO. 06-03 DATED OCTOBER 2008 AND REVISED APRIL 2009.



LEGEND

- EXISTING 10' CONTOUR (SEE REFERENCE 1)
- EXISTING 2' CONTOUR
- PROPERTY LINE (SEE REFERENCE 2)
- PERMITTED WASTE LIMITS
- APPROX. STREAM LOACTION (SEE REFERENCES 3, 4)
- WETLANDS (SEE REFERENCES 3, 4)
- 25-FT TROUT STREAM BUFFER
- PROTECTED BUFFER AREAS
- MONITORING WELL
- PIEZOMETER
- SURFACE WATER MONITORING POINT
- PROPOSED SOIL SAMPLE LOCATION

PREPARED FOR:

LEACHATE SEEP FLOW PATH & SOIL SAMPLE LOCATIONS
AVERY COUNTY SOLID WASTE DEPARTMENT
LANDFILL SEDIMENT BASIN NO. 2
AVERY COUNTY, NC

PREPARED BY:

NC LIC. NO. C-0828 (ENGINEERING)

SMITH+GARDNER

14 N. Boylan Avenue, Raleigh NC 27603 | 919.828.0577

DRAWN:	APPROVED:	SCALE:	DATE:	PROJECT NO.:	FIGURE NO.:	FILE NAME:
T.R.S.	G.G.M.	AS SHOWN	Jan 2016	AVERY 15-5	1	AVERY-A0241

G:\CAD\Avery County\Avery 15-8\sheets\AVERY-A0241.dwg - 1/11/2016 2:37 PM

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By: LMH
Date: 02/05/16

Table 1
Avery - Detected Constituents
January 19, 2016

Detected Constituents	NCDENR IHSB Preliminary Soil Remediation Goals (PRGs) (ug/kg)	Soil 1 (ug/kg dry)	Soil 2 (ug/kg dry)	Soil 3 (ug/kg dry)
Antimony	900	ND	ND	ND
Arsenic	5800	5300	850 J	3400
Barium	580000	33000	89000	180000
Beryllium	63000	98 J	1100	510 J
Cadmium	3000	420 J	210 J	83 J
Chromium	360000000	170000	200000	42000
Cobalt	900	**46000**	**16000**	**13000**
Copper	700000	110000	46000	21000
Lead	270000	14000	24000	5800
Nickel	130000	40000	34000	25000
Selenium	2100	ND	ND	ND
Silver	3400	ND	ND	ND
Thallium	280	ND	ND	ND
Vanadium	6000	**210000**	**110000**	50000
Zinc	1200000	34000	35000	78000
Acetone	24000	ND	9.8 J*	26 J*

NOTES:
Background sample is Soil 1
IHSB Prelim. Soil Remediation Goals - NCDEQ Inactive Hazardous Sites Branch Preliminary Soil Remediation Goals for protection of groundwater updated July 2012
J - Constituent detected but below the Practical Quantitation Limit (PQL) and greater or equal to the method detection limit (MDL); therefore, result is an estimated concentration.
* Detected in the method blank
Bold and Shaded - Concentration above listed standard
ND = Not Detected
Data from Shealy Environmental Services, Inc., Laboratory ID: RA20059-001 - dated 01/21/2016

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

Smith Gardner, Inc.
14 North Boylan Avenue
Raleigh, NC 27603
Attention: Madeline German

Project Name: **Avery County**

Project Number: **Avery 15-5**

Lot Number: **RA20059**

Date Completed: **02/04/2016**

Kelly M. Nance
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
Smith Gardner, Inc.
Lot Number: RA20059

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

GC/MS Volatiles

The method blank associated with batch 94737 had carbon disulfide detected at a concentration that was above the MDL but below the PQL. All samples associated with this method blank that have detections for carbon disulfide have been flagged with a "B".

The LCS associated with batch 94737 had carbon disulfide recovered above the acceptance limits. This demonstrates a high bias on analytical results. There were no detections for this compound in the samples associated with this batch; therefore, data quality is not impacted.

Sample Summary
Smith Gardner, Inc.
Lot Number: RA20059

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	S-1	Solid	01/19/2016 1300	01/20/2016
002	S-2	Solid	01/19/2016 1320	01/20/2016
003	S-3	Solid	01/19/2016 1340	01/20/2016

(3 samples)

Executive Summary
Smith Gardner, Inc.
Lot Number: RA20059

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	S-1	Solid	Arsenic	6010C	5.3		mg/kg	7
001	S-1	Solid	Barium	6010C	33		mg/kg	7
001	S-1	Solid	Beryllium	6010C	0.098	J	mg/kg	7
001	S-1	Solid	Cadmium	6010C	0.42	J	mg/kg	7
001	S-1	Solid	Chromium	6010C	170		mg/kg	7
001	S-1	Solid	Cobalt	6010C	46		mg/kg	7
001	S-1	Solid	Copper	6010C	110		mg/kg	7
001	S-1	Solid	Lead	6010C	14		mg/kg	7
001	S-1	Solid	Nickel	6010C	40		mg/kg	7
001	S-1	Solid	Vanadium	6010C	210		mg/kg	7
001	S-1	Solid	Zinc	6010C	34		mg/kg	7
002	S-2	Solid	Acetone	8260B	9.8	BJ	ug/kg	8
002	S-2	Solid	Arsenic	6010C	0.85	J	mg/kg	10
002	S-2	Solid	Barium	6010C	89		mg/kg	10
002	S-2	Solid	Beryllium	6010C	1.1		mg/kg	10
002	S-2	Solid	Cadmium	6010C	0.21	J	mg/kg	10
002	S-2	Solid	Chromium	6010C	200		mg/kg	10
002	S-2	Solid	Cobalt	6010C	16		mg/kg	10
002	S-2	Solid	Copper	6010C	46		mg/kg	10
002	S-2	Solid	Lead	6010C	24		mg/kg	10
002	S-2	Solid	Nickel	6010C	34		mg/kg	10
002	S-2	Solid	Vanadium	6010C	110		mg/kg	10
002	S-2	Solid	Zinc	6010C	35		mg/kg	10
003	S-3	Solid	Acetone	8260B	26	BJ	ug/kg	11
003	S-3	Solid	Arsenic	6010C	3.4		mg/kg	13
003	S-3	Solid	Barium	6010C	180		mg/kg	13
003	S-3	Solid	Beryllium	6010C	0.51	J	mg/kg	13
003	S-3	Solid	Cadmium	6010C	0.083	J	mg/kg	13
003	S-3	Solid	Chromium	6010C	42		mg/kg	13
003	S-3	Solid	Cobalt	6010C	13		mg/kg	13
003	S-3	Solid	Copper	6010C	21		mg/kg	13
003	S-3	Solid	Lead	6010C	5.8		mg/kg	13
003	S-3	Solid	Nickel	6010C	25		mg/kg	13
003	S-3	Solid	Vanadium	6010C	50		mg/kg	13
003	S-3	Solid	Zinc	6010C	78		mg/kg	13

(35 detections)

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **RA20059-001**
Description: **S-1**
Matrix: **Solid**
Date Sampled: **01/19/2016 1300**
% Solids: **70.3** **01/21/2016 0023**
Date Received: **01/20/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	01/21/2016 1604	PAP		94737	4.73

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		30	7.6	ug/kg	1
Acrylonitrile	107-13-1	8260B	ND		75	4.4	ug/kg	1
Benzene	71-43-2	8260B	ND		7.5	2.3	ug/kg	1
Bromochloromethane	74-97-5	8260B	ND		7.5	2.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		7.5	2.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		7.5	3.0	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.5	3.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		15	6.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		7.5	2.0	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		7.5	2.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		7.5	2.4	ug/kg	1
Chloroethane	75-00-3	8260B	ND		7.5	3.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		7.5	2.3	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.5	3.0	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.5	3.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		7.5	2.6	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.5	2.6	ug/kg	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		7.5	2.3	ug/kg	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		15	2.8	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.5	2.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.5	2.3	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		7.5	2.2	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		7.5	2.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		7.5	2.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		7.5	2.4	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.5	2.3	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		7.5	2.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.5	2.2	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.5	2.3	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		7.5	2.4	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		15	5.7	ug/kg	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		7.5	2.1	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		15	5.5	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		7.5	1.9	ug/kg	1
Styrene	100-42-5	8260B	ND		7.5	2.6	ug/kg	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		7.5	2.8	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.5	2.9	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		7.5	2.6	ug/kg	1
Toluene	108-88-3	8260B	ND		7.5	2.3	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.5	2.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.5	2.4	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		7.5	2.4	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		7.5	4.8	ug/kg	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		7.5	3.4	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **RA20059-001**
Description: **S-1**
Matrix: **Solid**
Date Sampled: **01/19/2016 1300**
% Solids: **70.3** **01/21/2016 0023**
Date Received: **01/20/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	01/21/2016 1604	PAP		94737	4.73

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		7.5	2.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		7.5	4.5	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		7.5	5.0	ug/kg	1
m+p - Xylenes	179601-23-1	8260B	ND		7.5	2.6	ug/kg	1
o - Xylenes	95-47-6	8260B	ND		7.5	2.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	53-142
Bromofluorobenzene		94	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Appendix I Metals

Client: **Smith Gardner, Inc.**
Laboratory ID: **RA20059-001**
Description: **S-1**
Matrix: **Solid**
Date Sampled: **01/19/2016 1300**
% Solids: **70.3** **01/21/2016 0023**
Date Received: **01/20/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010C	1	01/22/2016 2053	NCM	01/21/2016 1029	94697
2	3050B	6010C	5	01/22/2016 2057	NCM	01/21/2016 1029	94697

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	7440-36-0	6010C	ND		7.0	1.8	mg/kg	2
Arsenic	**7440-38-2**	**6010C**	**5.3**		**1.0**	**0.32**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010C**	**33**		**1.8**	**0.20**	**mg/kg**	**1**
Beryllium	**7440-41-7**	**6010C**	**0.098**	**J**	**0.35**	**0.020**	**mg/kg**	**1**
Cadmium	**7440-43-9**	**6010C**	**0.42**	**J**	**1.7**	**0.17**	**mg/kg**	**2**
Chromium	**7440-47-3**	**6010C**	**170**		**0.70**	**0.10**	**mg/kg**	**1**
Cobalt	**7440-48-4**	**6010C**	**46**		**9.1**	**0.59**	**mg/kg**	**2**
Copper	**7440-50-8**	**6010C**	**110**		**3.5**	**1.3**	**mg/kg**	**2**
Lead	**7439-92-1**	**6010C**	**14**		**3.5**	**1.5**	**mg/kg**	**2**
Nickel	**7440-02-0**	**6010C**	**40**		**14**	**3.7**	**mg/kg**	**2**
Selenium	7782-49-2	6010C	ND		1.4	0.57	mg/kg	1
Silver	7440-22-4	6010C	ND		0.70	0.11	mg/kg	1
Thallium	7440-28-0	6010C	ND		3.5	0.38	mg/kg	1
Vanadium	**7440-62-2**	**6010C**	**210**		**3.5**	**0.26**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010C**	**34**		**3.5**	**0.61**	**mg/kg**	**1**

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **RA20059-002**
Description: **S-2**
Matrix: **Solid**
Date Sampled: **01/19/2016 1320**
% Solids: **81.6** **01/21/2016 0023**
Date Received: **01/20/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	01/21/2016 1627	PAP		94737	5.58

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**9.8**	**BJ**	**22**	**5.6**	**ug/kg**	**1**
Acrylonitrile	107-13-1	8260B	ND		55	3.2	ug/kg	1
Benzene	71-43-2	8260B	ND		5.5	1.7	ug/kg	1
Bromochloromethane	74-97-5	8260B	ND		5.5	1.8	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.5	1.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.5	2.2	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.5	2.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	4.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.5	1.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.5	1.6	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.5	1.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.5	2.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.5	1.6	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.5	2.2	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.5	2.3	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.5	1.9	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.5	1.9	ug/kg	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		5.5	1.7	ug/kg	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		11	2.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.5	1.9	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.5	1.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.5	1.6	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.5	1.8	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.5	2.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.5	1.7	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.5	1.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.5	1.6	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.5	1.6	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.5	1.7	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.5	1.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	4.1	ug/kg	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		5.5	1.5	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	4.0	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.5	1.4	ug/kg	1
Styrene	100-42-5	8260B	ND		5.5	1.9	ug/kg	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		5.5	2.0	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.5	2.1	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.5	1.9	ug/kg	1
Toluene	108-88-3	8260B	ND		5.5	1.7	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.5	1.5	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.5	1.7	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.5	1.7	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.5	3.5	ug/kg	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		5.5	2.5	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **RA20059-002**
Description: **S-2**
Matrix: **Solid**
Date Sampled: **01/19/2016 1320**
% Solids: **81.6** **01/21/2016 0023**
Date Received: **01/20/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	01/21/2016 1627	PAP		94737	5.58

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		5.5	1.9	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		5.5	3.3	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.5	3.6	ug/kg	1
m+p - Xylenes	179601-23-1	8260B	ND		5.5	1.9	ug/kg	1
o - Xylenes	95-47-6	8260B	ND		5.5	2.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	53-142
Bromofluorobenzene		101	47-138
Toluene-d8		104	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Appendix I Metals

Client:	**Smith Gardner, Inc.**	Laboratory ID:	**RA20059-002**
Description:	**S-2**	Matrix:	**Solid**
Date Sampled:	**01/19/2016 1320**	% Solids:	**81.6 01/21/2016 0023**
Date Received:	**01/20/2016**		

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010C	1	01/22/2016 2102	NCM	01/21/2016 1029	94697
2	3050B	6010C	2	01/22/2016 2106	NCM	01/21/2016 1029	94697
3	3050B	6010C	5	02/03/2016 1327	CJZ	01/21/2016 1029	94697

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	7440-36-0	6010C	ND		2.3	0.59	mg/kg	2
Arsenic	**7440-38-2**	**6010C**	**0.85**	**J**	**0.88**	**0.27**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010C**	**89**		**1.5**	**0.17**	**mg/kg**	**1**
Beryllium	**7440-41-7**	**6010C**	**1.1**		**0.29**	**0.016**	**mg/kg**	**1**
Cadmium	**7440-43-9**	**6010C**	**0.21**	**J**	**0.58**	**0.058**	**mg/kg**	**2**
Chromium	**7440-47-3**	**6010C**	**200**		**0.58**	**0.084**	**mg/kg**	**1**
Cobalt	**7440-48-4**	**6010C**	**16**		**7.6**	**0.49**	**mg/kg**	**3**
Copper	**7440-50-8**	**6010C**	**46**		**2.9**	**1.1**	**mg/kg**	**3**
Lead	**7439-92-1**	**6010C**	**24**		**1.2**	**0.51**	**mg/kg**	**2**
Nickel	**7440-02-0**	**6010C**	**34**		**4.7**	**1.2**	**mg/kg**	**2**
Selenium	7782-49-2	6010C	ND		1.2	0.47	mg/kg	1
Silver	7440-22-4	6010C	ND		0.58	0.092	mg/kg	1
Thallium	7440-28-0	6010C	ND		2.9	0.32	mg/kg	1
Vanadium	**7440-62-2**	**6010C**	**110**		**2.9**	**0.22**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010C**	**35**		**2.9**	**0.51**	**mg/kg**	**1**

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Smith Gardner, Inc.**
Laboratory ID: **RA20059-003**
Description: **S-3**
Matrix: **Solid**
Date Sampled: **01/19/2016 1340**
% Solids: **70.8** **01/21/2016 0023**
Date Received: **01/20/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	01/21/2016 1649	PAP		94737	4.76

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**26**	**BJ**	**30**	**7.5**	**ug/kg**	**1**
Acrylonitrile	107-13-1	8260B	ND		74	4.3	ug/kg	1
Benzene	71-43-2	8260B	ND		7.4	2.3	ug/kg	1
Bromochloromethane	74-97-5	8260B	ND		7.4	2.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		7.4	2.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		7.4	2.9	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.4	3.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		15	6.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		7.4	2.0	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		7.4	2.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		7.4	2.4	ug/kg	1
Chloroethane	75-00-3	8260B	ND		7.4	3.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		7.4	2.2	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.4	3.0	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.4	3.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		7.4	2.5	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.4	2.5	ug/kg	1
Dibromomethane (Methylene bromide)	74-95-3	8260B	ND		7.4	2.3	ug/kg	1
trans-1,4-Dichloro-2-butene	110-57-6	8260B	ND		15	2.7	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.4	2.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.4	2.2	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		7.4	2.2	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		7.4	2.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		7.4	2.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		7.4	2.3	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.4	2.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		7.4	2.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.4	2.2	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.4	2.2	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		7.4	2.4	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		15	5.6	ug/kg	1
Methyl iodide (Iodomethane)	74-88-4	8260B	ND		7.4	2.1	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		15	5.4	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		7.4	1.8	ug/kg	1
Styrene	100-42-5	8260B	ND		7.4	2.6	ug/kg	1
1,1,1,2-Tetrachloroethane	630-20-6	8260B	ND		7.4	2.7	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.4	2.9	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		7.4	2.6	ug/kg	1
Toluene	108-88-3	8260B	ND		7.4	2.3	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.4	2.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.4	2.3	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		7.4	2.4	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		7.4	4.7	ug/kg	1
1,2,3-Trichloropropane	96-18-4	8260B	ND		7.4	3.4	ug/kg	1

PQL = Practical quantitation limit
B = Detected in the method blank
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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client:	**Smith Gardner, Inc.**	Laboratory ID:	**RA20059-003**
Description:	**S-3**	Matrix:	**Solid**
Date Sampled:	**01/19/2016 1340**	% Solids:	**70.8 01/21/2016 0023**
Date Received:	**01/20/2016**		

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	01/21/2016 1649	PAP		94737	4.76

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Vinyl acetate	108-05-4	8260B	ND		7.4	2.6	ug/kg	1
Vinyl chloride	75-01-4	8260B	ND		7.4	4.4	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		7.4	4.9	ug/kg	1
m+p - Xylenes	179601-23-1	8260B	ND		7.4	2.6	ug/kg	1
o - Xylenes	95-47-6	8260B	ND		7.4	2.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	53-142
Bromofluorobenzene		91	47-138
Toluene-d8		95	68-124

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Appendix I Metals

Client: **Smith Gardner, Inc.**
Laboratory ID: **RA20059-003**
Description: **S-3**
Matrix: **Solid**
Date Sampled: **01/19/2016 1340**
% Solids: **70.8** **01/21/2016 0023**
Date Received: **01/20/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3050B	6010C	2	01/22/2016 2124	NCM	01/21/2016 1029	94697

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Antimony	7440-36-0	6010C	ND		2.8	0.70	mg/kg	1
Arsenic	**7440-38-2**	**6010C**	**3.4**		**2.1**	**0.64**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010C**	**180**		**3.6**	**0.40**	**mg/kg**	**1**
Beryllium	**7440-41-7**	**6010C**	**0.51**	**J**	**0.69**	**0.039**	**mg/kg**	**1**
Cadmium	**7440-43-9**	**6010C**	**0.083**	**J**	**0.69**	**0.069**	**mg/kg**	**1**
Chromium	**7440-47-3**	**6010C**	**42**		**1.4**	**0.20**	**mg/kg**	**1**
Cobalt	**7440-48-4**	**6010C**	**13**		**3.6**	**0.23**	**mg/kg**	**1**
Copper	**7440-50-8**	**6010C**	**21**		**1.4**	**0.53**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010C**	**5.8**		**1.4**	**0.60**	**mg/kg**	**1**
Nickel	**7440-02-0**	**6010C**	**25**		**5.5**	**1.5**	**mg/kg**	**1**
Selenium	7782-49-2	6010C	ND		2.8	1.1	mg/kg	1
Silver	7440-22-4	6010C	ND		1.4	0.22	mg/kg	1
Thallium	7440-28-0	6010C	ND		6.9	0.76	mg/kg	1
Vanadium	**7440-62-2**	**6010C**	**50**		**6.9**	**0.52**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010C**	**78**		**6.9**	**1.2**	**mg/kg**	**1**

PQL = Practical quantitation limit
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J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: RQ94737-001
Batch: 94737
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	**18**	**J**	**1**	**20**	**5.1**	**ug/kg**	**01/21/2016 1118**
Acrylonitrile	ND		1	50	2.9	ug/kg	01/21/2016 1118
Benzene	ND		1	5.0	1.6	ug/kg	01/21/2016 1118
Bromochloromethane	ND		1	5.0	1.6	ug/kg	01/21/2016 1118
Bromodichloromethane	ND		1	5.0	1.7	ug/kg	01/21/2016 1118
Bromoform	ND		1	5.0	2.0	ug/kg	01/21/2016 1118
Bromomethane (Methyl bromide)	ND		1	5.0	2.2	ug/kg	01/21/2016 1118
2-Butanone (MEK)	ND		1	10	4.2	ug/kg	01/21/2016 1118
Carbon disulfide	ND		1	5.0	1.3	ug/kg	01/21/2016 1118
Carbon tetrachloride	ND		1	5.0	1.4	ug/kg	01/21/2016 1118
Chlorobenzene	ND		1	5.0	1.6	ug/kg	01/21/2016 1118
Chloroethane	ND		1	5.0	2.4	ug/kg	01/21/2016 1118
Chloroform	ND		1	5.0	1.5	ug/kg	01/21/2016 1118
Chloromethane (Methyl chloride)	ND		1	5.0	2.0	ug/kg	01/21/2016 1118
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	2.1	ug/kg	01/21/2016 1118
Dibromochloromethane	ND		1	5.0	1.7	ug/kg	01/21/2016 1118
1,2-Dibromoethane (EDB)	ND		1	5.0	1.7	ug/kg	01/21/2016 1118
Dibromomethane (Methylene bromide)	ND		1	5.0	1.6	ug/kg	01/21/2016 1118
trans-1,4-Dichloro-2-butene	ND		1	10	1.8	ug/kg	01/21/2016 1118
1,2-Dichlorobenzene	ND		1	5.0	1.7	ug/kg	01/21/2016 1118
1,4-Dichlorobenzene	ND		1	5.0	1.5	ug/kg	01/21/2016 1118
1,1-Dichloroethane	ND		1	5.0	1.5	ug/kg	01/21/2016 1118
1,2-Dichloroethane	ND		1	5.0	1.6	ug/kg	01/21/2016 1118
trans-1,2-Dichloroethene	ND		1	5.0	1.5	ug/kg	01/21/2016 1118
1,1-Dichloroethene	ND		1	5.0	1.8	ug/kg	01/21/2016 1118
cis-1,2-Dichloroethene	ND		1	5.0	1.6	ug/kg	01/21/2016 1118
1,2-Dichloropropane	ND		1	5.0	1.5	ug/kg	01/21/2016 1118
cis-1,3-Dichloropropene	ND		1	5.0	1.5	ug/kg	01/21/2016 1118
trans-1,3-Dichloropropene	ND		1	5.0	1.5	ug/kg	01/21/2016 1118
Ethylbenzene	ND		1	5.0	1.6	ug/kg	01/21/2016 1118
2-Hexanone	ND		1	10	3.8	ug/kg	01/21/2016 1118
Methyl iodide (Iodomethane)	ND		1	5.0	1.4	ug/kg	01/21/2016 1118
4-Methyl-2-pentanone	ND		1	10	3.6	ug/kg	01/21/2016 1118
Methylene chloride	ND		1	5.0	1.2	ug/kg	01/21/2016 1118
Styrene	ND		1	5.0	1.7	ug/kg	01/21/2016 1118
1,1,2,2-Tetrachloroethane	ND		1	5.0	2.0	ug/kg	01/21/2016 1118
1,1,1,2-Tetrachloroethane	ND		1	5.0	1.8	ug/kg	01/21/2016 1118
Tetrachloroethene	ND		1	5.0	1.7	ug/kg	01/21/2016 1118
Toluene	ND		1	5.0	1.5	ug/kg	01/21/2016 1118
1,1,2-Trichloroethane	ND		1	5.0	1.6	ug/kg	01/21/2016 1118
1,1,1-Trichloroethane	ND		1	5.0	1.4	ug/kg	01/21/2016 1118
Trichloroethene	ND		1	5.0	1.6	ug/kg	01/21/2016 1118
Trichlorofluoromethane	ND		1	5.0	3.2	ug/kg	01/21/2016 1118
1,2,3-Trichloropropane	ND		1	5.0	2.3	ug/kg	01/21/2016 1118

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: RQ94737-001
Batch: 94737
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Vinyl acetate	ND		1	5.0	1.7	ug/kg	01/21/2016 1118
Vinyl chloride	ND		1	5.0	3.0	ug/kg	01/21/2016 1118
o - Xylenes	ND		1	5.0	1.8	ug/kg	01/21/2016 1118
m+p - Xylenes	ND		1	5.0	1.7	ug/kg	01/21/2016 1118
Xylenes (total)	ND		1	5.0	3.3	ug/kg	01/21/2016 1118

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	47-138
1,2-Dichloroethane-d4		104	53-142
Toluene-d8		106	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: RQ94737-002
Batch: 94737
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	140		1	138	60-140	01/21/2016 1020
Acrylonitrile	100	120		1	116	60-132	01/21/2016 1020
Benzene	50	52		1	105	69-123	01/21/2016 1020
Bromochloromethane	50	51		1	102	70-121	01/21/2016 1020
Bromodichloromethane	50	49		1	99	69-121	01/21/2016 1020
Bromoform	50	47		1	94	61-119	01/21/2016 1020
Bromomethane (Methyl bromide)	50	59		1	117	10-168	01/21/2016 1020
2-Butanone (MEK)	100	110		1	113	57-148	01/21/2016 1020
Carbon disulfide	50	62	N	1	124	58-122	01/21/2016 1020
Carbon tetrachloride	50	50		1	101	58-136	01/21/2016 1020
Chlorobenzene	50	48		1	97	59-129	01/21/2016 1020
Chloroethane	50	63		1	126	60-140	01/21/2016 1020
Chloroform	50	52		1	104	71-125	01/21/2016 1020
Chloromethane (Methyl chloride)	50	57		1	115	34-134	01/21/2016 1020
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	96	55-125	01/21/2016 1020
Dibromochloromethane	50	48		1	96	66-119	01/21/2016 1020
1,2-Dibromoethane (EDB)	50	49		1	98	74-124	01/21/2016 1020
Dibromomethane (Methylene bromide)	50	50		1	101	75-120	01/21/2016 1020
trans-1,4-Dichloro-2-butene	50	50		1	101	57-143	01/21/2016 1020
1,2-Dichlorobenzene	50	46		1	92	57-131	01/21/2016 1020
1,4-Dichlorobenzene	50	46		1	92	52-133	01/21/2016 1020
1,1-Dichloroethane	50	54		1	109	71-127	01/21/2016 1020
1,2-Dichloroethane	50	51		1	102	67-129	01/21/2016 1020
trans-1,2-Dichloroethene	50	52		1	105	68-131	01/21/2016 1020
1,1-Dichloroethene	50	52		1	104	69-138	01/21/2016 1020
cis-1,2-Dichloroethene	50	52		1	105	70-122	01/21/2016 1020
1,2-Dichloropropane	50	52		1	105	72-124	01/21/2016 1020
cis-1,3-Dichloropropene	50	51		1	101	70-126	01/21/2016 1020
trans-1,3-Dichloropropene	50	50		1	99	70-124	01/21/2016 1020
Ethylbenzene	50	48		1	96	59-128	01/21/2016 1020
2-Hexanone	100	110		1	108	54-137	01/21/2016 1020
Methyl iodide (Iodomethane)	50	57		1	114	64-114	01/21/2016 1020
4-Methyl-2-pentanone	100	110		1	110	60-134	01/21/2016 1020
Methylene chloride	50	54		1	108	70-130	01/21/2016 1020
Styrene	50	50		1	100	54-136	01/21/2016 1020
1,1,2,2-Tetrachloroethane	50	51		1	102	69-132	01/21/2016 1020
1,1,1,2-Tetrachloroethane	50	47		1	93	62-126	01/21/2016 1020
Tetrachloroethene	50	46		1	92	45-150	01/21/2016 1020
Toluene	50	49		1	97	61-129	01/21/2016 1020
1,1,2-Trichloroethane	50	49		1	99	55-128	01/21/2016 1020
1,1,1-Trichloroethane	50	54		1	107	63-128	01/21/2016 1020
Trichloroethene	50	48		1	97	62-126	01/21/2016 1020
Trichlorofluoromethane	50	55		1	110	45-138	01/21/2016 1020
1,2,3-Trichloropropane	50	46		1	93	67-126	01/21/2016 1020

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: RQ94737-002
Batch: 94737
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Vinyl acetate	50	47		1	94	55-128	01/21/2016 1020
Vinyl chloride	50	54		1	108	42-132	01/21/2016 1020
o - Xylenes	50	49		1	98	60-128	01/21/2016 1020
m+p - Xylenes	50	49		1	98	57-129	01/21/2016 1020
Xylenes (total)	100	98		1	98	58-128	01/21/2016 1020

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		105	47-138
1,2-Dichloroethane-d4		96	53-142
Toluene-d8		105	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - Duplicate

Sample ID: RA20059-001DU
Batch: 94737
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Result (ug/kg)	Q	Dil	% RPD	% RPD Limit	Analysis Date
Acetone	ND	ND		1	0.00	20	01/21/2016 1820
Acrylonitrile	ND	ND		1	0.00	20	01/21/2016 1820
Benzene	ND	ND		1	0.00	20	01/21/2016 1820
Bromochloromethane	ND	ND		1	0.00	20	01/21/2016 1820
Bromodichloromethane	ND	ND		1	0.00	20	01/21/2016 1820
Bromoform	ND	ND		1	0.00	20	01/21/2016 1820
Bromomethane (Methyl bromide)	ND	ND		1	0.00	20	01/21/2016 1820
2-Butanone (MEK)	ND	ND		1	0.00	20	01/21/2016 1820
Carbon disulfide	ND	ND		1	0.00	20	01/21/2016 1820
Carbon tetrachloride	ND	ND		1	0.00	20	01/21/2016 1820
Chlorobenzene	ND	ND		1	0.00	20	01/21/2016 1820
Chloroethane	ND	ND		1	0.00	20	01/21/2016 1820
Chloroform	ND	ND		1	0.00	20	01/21/2016 1820
Chloromethane (Methyl chloride)	ND	ND		1	0.00	20	01/21/2016 1820
1,2-Dibromo-3-chloropropane (DBCP)	ND	ND		1	0.00	20	01/21/2016 1820
Dibromochloromethane	ND	ND		1	0.00	20	01/21/2016 1820
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	01/21/2016 1820
Dibromomethane (Methylene bromide)	ND	ND		1	0.00	20	01/21/2016 1820
trans-1,4-Dichloro-2-butene	ND	ND		1	0.00	20	01/21/2016 1820
1,2-Dichlorobenzene	ND	ND		1	0.00	20	01/21/2016 1820
1,4-Dichlorobenzene	ND	ND		1	0.00	20	01/21/2016 1820
1,1-Dichloroethane	ND	ND		1	0.00	20	01/21/2016 1820
1,2-Dichloroethane	ND	ND		1	0.00	20	01/21/2016 1820
1,1-Dichloroethene	ND	ND		1	0.00	20	01/21/2016 1820
cis-1,2-Dichloroethene	ND	ND		1	0.00	20	01/21/2016 1820
trans-1,2-Dichloroethene	ND	ND		1	0.00	20	01/21/2016 1820
1,2-Dichloropropane	ND	ND		1	0.00	20	01/21/2016 1820
cis-1,3-Dichloropropene	ND	ND		1	0.00	20	01/21/2016 1820
trans-1,3-Dichloropropene	ND	ND		1	0.00	20	01/21/2016 1820
Ethylbenzene	ND	ND		1	0.00	20	01/21/2016 1820
2-Hexanone	ND	ND		1	0.00	20	01/21/2016 1820
Methyl iodide (Iodomethane)	ND	ND		1	0.00	20	01/21/2016 1820
4-Methyl-2-pentanone	ND	ND		1	0.00	20	01/21/2016 1820
Methylene chloride	ND	ND		1	0.00	20	01/21/2016 1820
Styrene	ND	ND		1	0.00	20	01/21/2016 1820
1,1,1,2-Tetrachloroethane	ND	ND		1	0.00	20	01/21/2016 1820
1,1,2,2-Tetrachloroethane	ND	ND		1	0.00	20	01/21/2016 1820
Tetrachloroethene	ND	ND		1	0.00	20	01/21/2016 1820
Toluene	ND	ND		1	0.00	20	01/21/2016 1820
1,1,1-Trichloroethane	ND	ND		1	0.00	20	01/21/2016 1820
1,1,2-Trichloroethane	ND	ND		1	0.00	20	01/21/2016 1820
Trichloroethene	ND	ND		1	0.00	20	01/21/2016 1820
Trichlorofluoromethane	ND	ND		1	0.00	20	01/21/2016 1820
1,2,3-Trichloropropane	ND	ND		1	0.00	20	01/21/2016 1820

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - Duplicate

Sample ID: RA20059-001DU
Batch: 94737
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Result (ug/kg)	Q	Dil	% RPD	% RPD Limit	Analysis Date
Vinyl acetate	ND	ND		1	0.00	20	01/21/2016 1820
Vinyl chloride	ND	ND		1	0.00	20	01/21/2016 1820
Xylenes (total)	ND	ND		1	0.00	20	01/21/2016 1820
m+p - Xylenes	ND	ND		1	0.00	20	01/21/2016 1820
o - Xylenes	ND	ND		1	0.00	20	01/21/2016 1820

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		99	53-142
Bromofluorobenzene		99	47-138
Toluene-d8		103	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: RA20059-002MS
Batch: 94737
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	9.8	110	150		1	127	60-140	01/21/2016 1843
Acrylonitrile	ND	110	120		1	112	60-132	01/21/2016 1843
Benzene	ND	55	56		1	102	69-123	01/21/2016 1843
Bromochloromethane	ND	55	53		1	96	73-121	01/21/2016 1843
Bromodichloromethane	ND	55	54		1	97	69-121	01/21/2016 1843
Bromoform	ND	55	53		1	95	61-119	01/21/2016 1843
Bromomethane (Methyl bromide)	ND	55	50		1	90	35-144	01/21/2016 1843
2-Butanone (MEK)	ND	110	120		1	112	57-148	01/21/2016 1843
Carbon disulfide	ND	55	64		1	116	58-122	01/21/2016 1843
Carbon tetrachloride	ND	55	54		1	98	58-136	01/21/2016 1843
Chlorobenzene	ND	55	54		1	97	59-129	01/21/2016 1843
Chloroethane	ND	55	57		1	104	50-132	01/21/2016 1843
Chloroform	ND	55	53		1	96	71-125	01/21/2016 1843
Chloromethane (Methyl chloride)	ND	55	53		1	95	34-134	01/21/2016 1843
1,2-Dibromo-3-chloropropane (DBCP)	ND	55	53		1	95	55-125	01/21/2016 1843
Dibromochloromethane	ND	55	53		1	96	66-119	01/21/2016 1843
1,2-Dibromoethane (EDB)	ND	55	55		1	99	74-124	01/21/2016 1843
Dibromomethane (Methylene bromide)	ND	55	55		1	99	75-120	01/21/2016 1843
trans-1,4-Dichloro-2-butene	ND	55	57		1	102	57-143	01/21/2016 1843
1,2-Dichlorobenzene	ND	55	50		1	90	57-131	01/21/2016 1843
1,4-Dichlorobenzene	ND	55	52		1	93	52-133	01/21/2016 1843
1,1-Dichloroethane	ND	55	55		1	100	71-127	01/21/2016 1843
1,2-Dichloroethane	ND	55	54		1	97	67-129	01/21/2016 1843
1,1-Dichloroethene	ND	55	55		1	100	69-138	01/21/2016 1843
cis-1,2-Dichloroethene	ND	55	55		1	99	70-122	01/21/2016 1843
trans-1,2-Dichloroethene	ND	55	56		1	102	68-131	01/21/2016 1843
1,2-Dichloropropane	ND	55	56		1	101	72-124	01/21/2016 1843
cis-1,3-Dichloropropene	ND	55	54		1	97	70-126	01/21/2016 1843
trans-1,3-Dichloropropene	ND	55	56		1	100	70-124	01/21/2016 1843
Ethylbenzene	ND	55	57		1	102	59-128	01/21/2016 1843
2-Hexanone	ND	110	130		1	117	54-137	01/21/2016 1843
Methyl iodide (Iodomethane)	ND	55	58		1	105	64-114	01/21/2016 1843
4-Methyl-2-pentanone	ND	110	130		1	113	60-134	01/21/2016 1843
Methylene chloride	ND	55	54		1	98	77-129	01/21/2016 1843
Styrene	ND	55	54		1	98	54-136	01/21/2016 1843
1,1,1,2-Tetrachloroethane	ND	55	52		1	93	62-126	01/21/2016 1843
1,1,2,2-Tetrachloroethane	ND	55	58		1	105	69-132	01/21/2016 1843
Tetrachloroethene	ND	55	55		1	99	70-130	01/21/2016 1843
Toluene	ND	55	58		1	105	61-129	01/21/2016 1843
1,1,1-Trichloroethane	ND	55	55		1	100	63-128	01/21/2016 1843
1,1,2-Trichloroethane	ND	55	56		1	100	55-128	01/21/2016 1843
Trichloroethene	ND	55	54		1	97	62-126	01/21/2016 1843
Trichlorofluoromethane	ND	55	54		1	98	45-138	01/21/2016 1843
1,2,3-Trichloropropane	ND	55	56		1	101	67-126	01/21/2016 1843

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: RA20059-002MS
Batch: 94737
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Vinyl acetate	ND	55	52		1	93	55-128	01/21/2016 1843
Vinyl chloride	ND	55	52		1	94	42-132	01/21/2016 1843
Xylenes (total)	ND	110	110		1	100	58-128	01/21/2016 1843
m+p - Xylenes	ND	55	56		1	101	57-129	01/21/2016 1843
o - Xylenes	ND	55	54		1	98	60-128	01/21/2016 1843

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		96	53-142
Bromofluorobenzene		101	47-138
Toluene-d8		105	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Appendix I Metals - MB

Sample ID: RQ94697-001
Batch: 94697
Analytical Method: 6010C

Matrix: Solid
Prep Method: 3050B
Prep Date: 01/21/2016 1029

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Arsenic	ND		1	0.75	0.23	mg/kg	01/22/2016 1249
Barium	ND		1	1.3	0.14	mg/kg	01/22/2016 1249
Beryllium	ND		1	0.25	0.014	mg/kg	01/22/2016 1249
Cadmium	ND		1	0.25	0.025	mg/kg	01/22/2016 1249
Chromium	ND		1	0.50	0.072	mg/kg	01/22/2016 1249
Cobalt	ND		1	1.3	0.084	mg/kg	01/22/2016 1249
Copper	ND		1	0.50	0.19	mg/kg	01/22/2016 1249
Lead	ND		1	0.50	0.22	mg/kg	01/22/2016 1249
Nickel	ND		1	2.0	0.53	mg/kg	01/22/2016 1249
Selenium	ND		1	1.0	0.41	mg/kg	01/22/2016 1249
Silver	ND		1	0.50	0.079	mg/kg	01/22/2016 1249
Thallium	ND		1	2.5	0.27	mg/kg	01/22/2016 1249
Vanadium	ND		1	2.5	0.19	mg/kg	01/22/2016 1249
Zinc	ND		1	2.5	0.43	mg/kg	01/22/2016 1249

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Appendix I Metals - LCS

Sample ID: RQ94697-002
Batch: 94697
Analytical Method: 6010C

Matrix: Solid
Prep Method: 3050B
Prep Date: 01/21/2016 1029

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Antimony	50	48		1	97	80-120	01/22/2016 1253
Arsenic	250	240		1	98	80-120	01/22/2016 1253
Barium	500	490		1	97	80-120	01/22/2016 1253
Beryllium	100	99		1	99	80-120	01/22/2016 1253
Cadmium	50	50		1	100	80-120	01/22/2016 1253
Chromium	250	260		1	102	80-120	01/22/2016 1253
Cobalt	100	100		1	104	80-120	01/22/2016 1253
Copper	100	100		1	100	80-120	01/22/2016 1253
Lead	250	260		1	103	80-120	01/22/2016 1253
Nickel	100	100		1	103	80-120	01/22/2016 1253
Selenium	50	47		1	95	80-120	01/22/2016 1253
Silver	50	49		1	98	80-120	01/22/2016 1253
Thallium	40	43		1	106	80-120	01/22/2016 1253
Vanadium	100	100		1	100	80-120	01/22/2016 1253
Zinc	100	100		1	101	80-120	01/22/2016 1253

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Chain of Custody
and
Miscellaneous Documents

SHEALY ENVIRONMENTAL SERVICES, INC.

Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 56537

Client	S + G
Address	14 N. Boylan Ave
City	Raleigh
State	NC
Zip Code	27603
Project Name	Avery Co
Project No.	Avery 15-5
P.O. No.	
Report to Contact	Madeline German
Sampler's Signature	x Brit Ransom
Printed Name	Brit Ransom
Telephone No. / E-mail	Madeline@smithgardner.com
Quote No.	
Analysis (Attach list if more space is needed)	App I metals; App I VOCs
Page	1 of 1

RA20059

Sample ID / Description (Containers for each sample may be combined on one line.)	Date 2016	Time	Grab G / Composite C	Matrix: Aqueous	Soil	Wipe/Sediment	No. of Containers by Preservative Type: Liquids	H2SO4	HNO3	HCl	NaOH	SDS KI	App I metals	App I VOCs	Remarks / Cooler I.D.
S - 1	1-19	1300	G		X		1					1	/	/	copy
S - 2	1-19	1320	G		X		1					1	/	/	Joan@smithgardner.com
S - 3	1-19	1340	G		X		1					1	/	/	on Report

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☐ Standard ☐ Rush (Specify)

Sample Disposal ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Brit Ransom	1/20/15	1410	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by: Tommy Gardner	1/20/16	1410

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Circle) Yes No Ice Pack
Receipt Temp. 4.9 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-193 Effective Date: 08-01-2014

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: ME0018C-03

Page 1 of 1
Effective Date: 01/16/2016
Expiry Date: 01/16/2021

Sample Receipt Checklist (SRC)

Client: Smith Gardner Cooler Inspected by/date: TGR / 1/20/16 Lot #: RA 20059

Means of receipt: ☐ SESI ☑ Client ☐ UPS ☐ FedEx ☐ Other

Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?

pH strip ID: NA Cl strip ID: NA

Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt:

/ 4.9 / 4.9 °C / / °C / / °C / / °C

Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: 6 IR Gun Correction Factor: 0 °C

Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM was notified by: phone / email / face-to-face (circle one).
Yes ☐	No ☐	NA ☑	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☐	No ☐	NA ☑	5a Were samples relinquished by client to commercial courier?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
Yes ☑	No ☐		12. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐		13. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐		14. Was adequate sample volume available?
Yes ☑	No ☐		15. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		16. Were any samples containers missing?
Yes ☐	No ☑		17. Were there any excess samples not listed on COC?
Yes ☐	No ☐	NA ☑	18. Were bubbles present >"pea-size" (¼" or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	19. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	20. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	21. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	22. Were collection temperatures documented on the COC for NC samples?
Yes ☐	No ☐	NA ☑	23. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		24. Was the quote number used taken from the container label?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4, HNO3, HCl, NaOH) using SR # _____.

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L (If #21 is No)

SC Drinking Water Project Sample(s) pH verified to be >2 by _____ Date: _____
Sample(s) _____ were not received at a pH of <2 and were adjusted accordingly using SR# _____

Sample labels applied by: TGR Verified by: _____ Date: 1/20/16

Comments: