

Rogers & Callcott
ENVIRONMENTAL



Laboratory Services

Laboratory Report



Client Anderson Co Stormwater Mgt
Jon Batson
731 Michelin Road
Anderson, SC 29626

Work Order: 7030065
Received: 03/01/2017 12:25

Dear Client:

Rogers and Callcott appreciates the opportunity to be of service to you. The attached laboratory services report includes analytical results and chain of custody for samples that were received on March 01, 2017. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements for the TNI standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty is available upon request.

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We strive to provide excellent service to our clients. Please contact Lauren Woodrum, your Project Manager, at lauren.woodrum@rogersandcallcott.com or (864)-232-1556 if you have any questions about this report.

Report Approved By:



Lauren Woodrum
Project Manager

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South Carolina Greenville Laboratory Identification 23105
 South Carolina Columbia Laboratory Identification 40572
 North Carolina Laboratory Certification Number 27
 North Carolina Drinking Water Lab Number 45710
 NELAP Utah Certificate Number SC000042014-1
 Georgia Drinking Water Lab ID 880

Certificate of Analysis

Client Anderson Co Stormwater Mgt
 Jon Batson
 731 Michelin Road
 Anderson, SC 29626

Work Order: 7030065
Received: 03/01/2017 12:25

Sample Number	Sample Description	Matrix	Sampled	Type
7030065-01	SW115	Surface Water	02/28/17 10:05	Grab
7030065-02	SW115	Surface Water	02/28/17 10:05	Grab
7030065-03	SW111	Surface Water	02/28/17 10:30	Grab
7030065-04	SW111	Surface Water	02/28/17 10:30	Grab
7030065-05	SW110	Surface Water	02/28/17 10:50	Grab
7030065-06	SW110	Surface Water	02/28/17 10:50	Grab
7030065-07	SW109	Surface Water	02/28/17 11:15	Grab
7030065-08	SW109	Surface Water	02/28/17 11:15	Grab
7030065-09	SW108	Surface Water	02/28/17 11:45	Grab
7030065-10	SW108	Surface Water	02/28/17 11:45	Grab
7030065-11	SW105	Surface Water	02/28/17 13:00	Grab
7030065-12	SW105	Surface Water	02/28/17 13:00	Grab
7030065-13	SW102	Surface Water	02/28/17 13:20	Grab
7030065-14	SW102	Surface Water	02/28/17 13:20	Grab
7030065-15	SW101	Surface Water	02/28/17 13:45	Grab
7030065-16	SW101	Surface Water	02/28/17 13:45	Grab
7030065-17	SW01	Surface Water	02/28/17 14:20	Grab
7030065-18	SW01	Surface Water	02/28/17 14:20	Grab
7030065-19	SW12	Surface Water	02/28/17 14:40	Grab
7030065-20	SW12	Surface Water	02/28/17 14:40	Grab



Anderson Co Stormwater Mgt
731 Michelin Road
Anderson, SC 29626

Work Order: 7030065
Reported: 03/20/17 15:17

Sample Data

Sample Number 7030065-01
Sample Description SW115 collected on 02/28/17 10:05

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1.00	03/09/17 13:37	EPA 8260B		LBW	B7C0743
Benzene	ND	1.0	ug/L	1.00	03/09/17 13:37	EPA 8260B		LBW	B7C0743
Ethylbenzene	ND	1.0	ug/L	1.00	03/09/17 13:37	EPA 8260B		LBW	B7C0743
m,p-Xylene	ND	2.0	ug/L	1.00	03/09/17 13:37	EPA 8260B		LBW	B7C0743
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/09/17 13:37	EPA 8260B		LBW	B7C0743
Naphthalene	ND	2.0	ug/L	1.00	03/09/17 13:37	EPA 8260B		LBW	B7C0743
o-Xylene	ND	1.0	ug/L	1.00	03/09/17 13:37	EPA 8260B		LBW	B7C0743
Toluene	ND	1.0	ug/L	1.00	03/09/17 13:37	EPA 8260B		LBW	B7C0743
Surrogates				%REC	%REC Limits	Flag			
1,2-Dichloroethane-D4				91	70-130				
4-Bromofluorobenzene				93	70-130				
Toluene-d8				120	70-130				

Sample Number 7030065-02
Sample Description SW115 collected on 02/28/17 10:05

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	ND	10.0	ug/L	1.00	03/03/17 10:07	EPA 8260B		RJM	B7C0155
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/03/17 10:07	EPA 8260B		RJM	B7C0155
t-Butyl Formate	ND	50.0	ug/L	1.00	03/03/17 10:07	EPA 8260B		RJM	B7C0155
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/03/17 10:07	EPA 8260B		RJM	B7C0155
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/03/17 10:07	EPA 8260B		RJM	B7C0155
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/03/17 10:07	EPA 8260B		RJM	B7C0155
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/03/17 10:07	EPA 8260B		RJM	B7C0155
Ethanol	ND	50.0	ug/L	1.00	03/03/17 10:07	EPA 8260B		RJM	B7C0155
Surrogates				%REC	%REC Limits	Flag			
1,2-Dichloroethane-D4				90	70-130				
Toluene-D8				109	70-130				
4-Bromofluorobenzene				92	70-130				

Anderson Co Stormwater Mgt
731 Michelin Road
Anderson, SC 29626

Work Order: 7030065
Reported: 03/20/17 15:17

Sample Number 7030065-03
Sample Description SW111 collected on 02/28/17 10:30

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1.00	03/09/17 14:08	EPA 8260B		LBW	B7C0743
Benzene	ND	1.0	ug/L	1.00	03/09/17 14:08	EPA 8260B		LBW	B7C0743
Ethylbenzene	ND	1.0	ug/L	1.00	03/09/17 14:08	EPA 8260B		LBW	B7C0743
m,p-Xylenc	ND	2.0	ug/L	1.00	03/09/17 14:08	EPA 8260B		LBW	B7C0743
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/09/17 14:08	EPA 8260B	S1	LBW	B7C0743
Naphthalene	ND	2.0	ug/L	1.00	03/09/17 14:08	EPA 8260B		LBW	B7C0743
o-Xylene	ND	1.0	ug/L	1.00	03/09/17 14:08	EPA 8260B		LBW	B7C0743
Toluene	ND	1.0	ug/L	1.00	03/09/17 14:08	EPA 8260B	S1	LBW	B7C0743
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				89	70-130				
<i>4-Bromofluorobenzene</i>				94	70-130				
<i>Toluene-d8</i>				119	70-130				

Sample Number 7030065-04
Sample Description SW111 collected on 02/28/17 10:30

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	ND	10.0	ug/L	1.00	03/03/17 11:45	EPA 8260B		RJM	B7C0155
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/03/17 11:45	EPA 8260B		RJM	B7C0155
t-Butyl Formate	ND	50.0	ug/L	1.00	03/03/17 11:45	EPA 8260B		RJM	B7C0155
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/03/17 11:45	EPA 8260B		RJM	B7C0155
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/03/17 11:45	EPA 8260B		RJM	B7C0155
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/03/17 11:45	EPA 8260B		RJM	B7C0155
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/03/17 11:45	EPA 8260B		RJM	B7C0155
Ethanol	ND	50.0	ug/L	1.00	03/03/17 11:45	EPA 8260B		RJM	B7C0155
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				99	70-130				
<i>Toluene-D8</i>				118	70-130				
<i>4-Bromofluorobenzene</i>				105	70-130				

Anderson Co Stormwater Mgt
731 Michelin Road
Anderson, SC 29626

Work Order: 7030065
Reported: 03/20/17 15:17

Sample Number 7030065-05
Sample Description SW110 collected on 02/28/17 10:50

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1 00	03/09/17 15:41	EPA 8260B		LBW	B7C0743
Benzene	ND	1.0	ug/L	1.00	03/09/17 15:41	EPA 8260B		LBW	B7C0743
Ethylbenzene	ND	1.0	ug/L	1.00	03/09/17 15:41	EPA 8260B		LBW	B7C0743
m,p-Xylene	ND	2.0	ug/L	1.00	03/09/17 15:41	EPA 8260B		LBW	B7C0743
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/09/17 15:41	EPA 8260B		LBW	B7C0743
Naphthalene	ND	2.0	ug/L	1.00	03/09/17 15:41	EPA 8260B		LBW	B7C0743
o-Xylene	ND	1.0	ug/L	1 00	03/09/17 15:41	EPA 8260B		LBW	B7C0743
Toluene	ND	1.0	ug/L	1 00	03/09/17 15:41	EPA 8260B		LBW	B7C0743
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				88	70-130				
<i>4-Bromofluorobenzene</i>				93	70-130				
<i>Toluene-d8</i>				120	70-130				

Sample Number 7030065-06
Sample Description SW110 collected on 02/28/17 10:50

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	ND	10.0	ug/L	1.00	03/03/17 00:30	EPA 8260B		RJM	B7C0152
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/03/17 00:30	EPA 8260B		RJM	B7C0152
t-Butyl Formate	ND	50.0	ug/L	1.00	03/03/17 00:30	EPA 8260B		RJM	B7C0152
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/03/17 00:30	EPA 8260B		RJM	B7C0152
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/03/17 00:30	EPA 8260B		RJM	B7C0152
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/03/17 00:30	EPA 8260B		RJM	B7C0152
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/03/17 00:30	EPA 8260B		RJM	B7C0152
Ethanol	ND	50.0	ug/L	1.00	03/03/17 00:30	EPA 8260B		RJM	B7C0152
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				100	70-130				
<i>Toluene-D8</i>				109	70-130				
<i>4-Bromofluorobenzene</i>				95	70-130				



Anderson Co Stormwater Mgt 731 Michelin Road Anderson, SC 29626	Work Order: 7030065 Reported: 03/20/17 15:17
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Sample Number 7030065-07
Sample Description SW109 collected on 02/28/17 11:15

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1.00	03/09/17 16:12	EPA 8260B		LBW	B7C0743
Benzene	ND	1.0	ug/L	1.00	03/09/17 16:12	EPA 8260B		LBW	B7C0743
Ethylbenzene	ND	1.0	ug/L	1.00	03/09/17 16:12	EPA 8260B		LBW	B7C0743
m,p-Xylene	ND	2.0	ug/L	1.00	03/09/17 16:12	EPA 8260B		LBW	B7C0743
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/09/17 16:12	EPA 8260B		LBW	B7C0743
Naphthalene	ND	2.0	ug/L	1.00	03/09/17 16:12	EPA 8260B		LBW	B7C0743
o-Xylene	ND	1.0	ug/L	1.00	03/09/17 16:12	EPA 8260B		LBW	B7C0743
Toluene	ND	1.0	ug/L	1.00	03/09/17 16:12	EPA 8260B		LBW	B7C0743
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				90	70-130				
<i>4-Bromofluorobenzene</i>				93	70-130				
<i>Toluene-d8</i>				117	70-130				

Sample Number 7030065-08
Sample Description SW109 collected on 02/28/17 11:15

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	ND	10.0	ug/L	1.00	03/03/17 01:02	EPA 8260B		RJM	B7C0152
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/03/17 01:02	EPA 8260B		RJM	B7C0152
t-Butyl Formate	ND	50.0	ug/L	1.00	03/03/17 01:02	EPA 8260B		RJM	B7C0152
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/03/17 01:02	EPA 8260B		RJM	B7C0152
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/03/17 01:02	EPA 8260B		RJM	B7C0152
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/03/17 01:02	EPA 8260B		RJM	B7C0152
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/03/17 01:02	EPA 8260B		RJM	B7C0152
Ethanol	ND	50.0	ug/L	1.00	03/03/17 01:02	EPA 8260B		RJM	B7C0152
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				99	70-130				
<i>Toluene-D8</i>				107	70-130				
<i>4-Bromofluorobenzene</i>				96	70-130				



Rogers & Callcott

ENVIRONMENTAL

Anderson Co Stormwater Mgt 731 Michelin Road Anderson, SC 29626	Work Order: 7030065 Reported: 03/20/17 15:17
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Sample Number 7030065-09
 Sample Description SW108 collected on 02/28/17 11:45

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1.00	03/09/17 16:43	EPA 8260B		LBW	B7C0743
Benzene	ND	1.0	ug/L	1.00	03/09/17 16:43	EPA 8260B		LBW	B7C0743
Ethylbenzene	ND	1.0	ug/L	1.00	03/09/17 16:43	EPA 8260B		LBW	B7C0743
m,p-Xylene	ND	2.0	ug/L	1.00	03/09/17 16:43	EPA 8260B		LBW	B7C0743
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/09/17 16:43	EPA 8260B		LBW	B7C0743
Naphthalene	ND	2.0	ug/L	1.00	03/09/17 16:43	EPA 8260B		LBW	B7C0743
o-Xylene	ND	1.0	ug/L	1.00	03/09/17 16:43	EPA 8260B		LBW	B7C0743
Toluene	ND	1.0	ug/L	1.00	03/09/17 16:43	EPA 8260B		LBW	B7C0743
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				88	70-130				
<i>4-Bromofluorobenzene</i>				93	70-130				
<i>Toluene-d8</i>				117	70-130				

Sample Number 7030065-10
 Sample Description SW108 collected on 02/28/17 11:45

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	ND	10.0	ug/L	1.00	03/03/17 01:35	EPA 8260B		RJM	B7C0152
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/03/17 01:35	EPA 8260B		RJM	B7C0152
t-Butyl Formate	ND	50.0	ug/L	1.00	03/03/17 01:35	EPA 8260B		RJM	B7C0152
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/03/17 01:35	EPA 8260B		RJM	B7C0152
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/03/17 01:35	EPA 8260B		RJM	B7C0152
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/03/17 01:35	EPA 8260B		RJM	B7C0152
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/03/17 01:35	EPA 8260B		RJM	B7C0152
Ethanol	ND	50.0	ug/L	1.00	03/03/17 01:35	EPA 8260B		RJM	B7C0152
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				100	70-130				
<i>Toluene-D8</i>				107	70-130				
<i>4-Bromofluorobenzene</i>				95	70-130				

Anderson Co Stormwater Mgt
731 Michelin Road
Anderson, SC 29626

Work Order: 7030065
Reported: 03/20/17 15:17

Sample Number 7030065-11
Sample Description SW105 collected on 02/28/17 13:00

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1.00	03/09/17 17:14	EPA 8260B		LBW	B7C0743
Benzene	ND	1.0	ug/L	1.00	03/09/17 17:14	EPA 8260B		LBW	B7C0743
Ethylbenzene	ND	1.0	ug/L	1.00	03/09/17 17:14	EPA 8260B		LBW	B7C0743
m,p-Xylene	ND	2.0	ug/L	1.00	03/09/17 17:14	EPA 8260B		LBW	B7C0743
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/09/17 17:14	EPA 8260B		LBW	B7C0743
Naphthalene	ND	2.0	ug/L	1.00	03/09/17 17:14	EPA 8260B		LBW	B7C0743
o-Xylene	ND	1.0	ug/L	1.00	03/09/17 17:14	EPA 8260B		LBW	B7C0743
Toluene	ND	1.0	ug/L	1.00	03/09/17 17:14	EPA 8260B		LBW	B7C0743
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				90	70-130				
<i>4-Bromofluorobenzene</i>				93	70-130				
<i>Toluene-d8</i>				118	70-130				

Sample Number 7030065-12
Sample Description SW105 collected on 02/28/17 13:00

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	ND	10.0	ug/L	1.00	03/03/17 02:08	EPA 8260B		RJM	B7C0152
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/03/17 02:08	EPA 8260B		RJM	B7C0152
t-Butyl Formate	ND	50.0	ug/L	1.00	03/03/17 02:08	EPA 8260B		RJM	B7C0152
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/03/17 02:08	EPA 8260B		RJM	B7C0152
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/03/17 02:08	EPA 8260B		RJM	B7C0152
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/03/17 02:08	EPA 8260B		RJM	B7C0152
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/03/17 02:08	EPA 8260B		RJM	B7C0152
Ethanol	ND	50.0	ug/L	1.00	03/03/17 02:08	EPA 8260B		RJM	B7C0152
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				100	70-130				
<i>Toluene-D8</i>				105	70-130				
<i>4-Bromofluorobenzene</i>				93	70-130				

Anderson Co Stormwater Mgt
731 Michelin Road
Anderson, SC 29626

Work Order: 7030065
Reported: 03/20/17 15:17

Sample Number 7030065-13
Sample Description SW102 collected on 02/28/17 13:20

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1.00	03/09/17 17:45	EPA 8260B		LBW	B7C0743
Benzene	ND	1.0	ug/L	1.00	03/09/17 17:45	EPA 8260B		LBW	B7C0743
Ethylbenzene	ND	1.0	ug/L	1.00	03/09/17 17:45	EPA 8260B		LBW	B7C0743
m,p-Xylene	ND	2.0	ug/L	1.00	03/09/17 17:45	EPA 8260B		LBW	B7C0743
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/09/17 17:45	EPA 8260B		LBW	B7C0743
Naphthalene	ND	2.0	ug/L	1.00	03/09/17 17:45	EPA 8260B		LBW	B7C0743
o-Xylene	ND	1.0	ug/L	1.00	03/09/17 17:45	EPA 8260B		LBW	B7C0743
Toluene	ND	1.0	ug/L	1.00	03/09/17 17:45	EPA 8260B		LBW	B7C0743
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				87	70-130				
<i>4-Bromofluorobenzene</i>				92	70-130				
<i>Toluene-d8</i>				116	70-130				

Sample Number 7030065-14
Sample Description SW102 collected on 02/28/17 13:20

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	ND	10.0	ug/L	1.00	03/03/17 02:41	EPA 8260B		RJM	B7C0152
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/03/17 02:41	EPA 8260B		RJM	B7C0152
t-Butyl Formate	ND	50.0	ug/L	1.00	03/03/17 02:41	EPA 8260B		RJM	B7C0152
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/03/17 02:41	EPA 8260B		RJM	B7C0152
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/03/17 02:41	EPA 8260B		RJM	B7C0152
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/03/17 02:41	EPA 8260B		RJM	B7C0152
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/03/17 02:41	EPA 8260B		RJM	B7C0152
Ethanol	ND	50.0	ug/L	1.00	03/03/17 02:41	EPA 8260B		RJM	B7C0152
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				98	70-130				
<i>Toluene-D8</i>				106	70-130				
<i>4-Bromofluorobenzene</i>				93	70-130				



Rogers & Callcott

ENVIRONMENTAL

Anderson Co Stormwater Mgt
731 Michelin Road
Anderson, SC 29626

Work Order: 7030065
Reported: 03/20/17 15:17

Sample Number 7030065-15
Sample Description SW101 collected on 02/28/17 13:45

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1.00	03/09/17 18:16	EPA 8260B		LBW	B7C0743
Benzene	ND	1.0	ug/L	1.00	03/09/17 18:16	EPA 8260B		LBW	B7C0743
Ethylbenzene	ND	1.0	ug/L	1.00	03/09/17 18:16	EPA 8260B		LBW	B7C0743
m,p-Xylenc	ND	2.0	ug/L	1.00	03/09/17 18:16	EPA 8260B		LBW	B7C0743
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/09/17 18:16	EPA 8260B		LBW	B7C0743
Naphthalene	ND	2.0	ug/L	1.00	03/09/17 18:16	EPA 8260B		LBW	B7C0743
o-Xylene	ND	1.0	ug/L	1.00	03/09/17 18:16	EPA 8260B		LBW	B7C0743
Toluene	ND	1.0	ug/L	1.00	03/09/17 18:16	EPA 8260B		LBW	B7C0743
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				87	70-130				
<i>4-Bromofluorobenzene</i>				91	70-130				
<i>Toluene-d8</i>				117	70-130				

Sample Number 7030065-16
Sample Description SW101 collected on 02/28/17 13:45

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	ND	10.0	ug/L	1.00	03/03/17 12:18	EPA 8260B		RJM	B7C0155
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/03/17 12:18	EPA 8260B		RJM	B7C0155
t-Butyl Formate	ND	50.0	ug/L	1.00	03/03/17 12:18	EPA 8260B		RJM	B7C0155
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/03/17 12:18	EPA 8260B		RJM	B7C0155
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/03/17 12:18	EPA 8260B		RJM	B7C0155
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/03/17 12:18	EPA 8260B		RJM	B7C0155
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/03/17 12:18	EPA 8260B		RJM	B7C0155
Ethanol	ND	50.0	ug/L	1.00	03/03/17 12:18	EPA 8260B		RJM	B7C0155
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				97	70-130				
<i>Toluene-D8</i>				110	70-130				
<i>4-Bromofluorobenzene</i>				100	70-130				

Anderson Co Stormwater Mgt
731 Michelin Road
Anderson, SC 29626

Work Order: 7030065
Reported: 03/20/17 15:17

Sample Number 7030065-17
Sample Description SW01 collected on 02/28/17 14:20

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	2.0	ug/L	2.00	03/09/17 18:47	EPA 8260B		LBW	B7C0743
Benzene	17.8	2.0	ug/L	2.00	03/09/17 18:47	EPA 8260B		LBW	B7C0743
Ethylbenzene	2.3	2.0	ug/L	2.00	03/09/17 18:47	EPA 8260B		LBW	B7C0743
m,p-Xylene	17.0	4.0	ug/L	2.00	03/09/17 18:47	EPA 8260B		LBW	B7C0743
Methyl tert-butyl ether	ND	4.0	ug/L	2.00	03/09/17 18:47	EPA 8260B		LBW	B7C0743
Naphthalene	ND	4.0	ug/L	2.00	03/09/17 18:47	EPA 8260B		LBW	B7C0743
o-Xylene	12.0	2.0	ug/L	2.00	03/09/17 18:47	EPA 8260B		LBW	B7C0743
Toluene	49.1	2.0	ug/L	2.00	03/09/17 18:47	EPA 8260B		LBW	B7C0743
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				86	70-130				
<i>4-Bromofluorobenzene</i>				89	70-130				
<i>Toluene-d8</i>				119	70-130				

Sample Number 7030065-18
Sample Description SW01 collected on 02/28/17 14:20

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	23.0	10.0	ug/L	1.00	03/03/17 12:51	EPA 8260B		RJM	B7C0155
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/03/17 12:51	EPA 8260B		RJM	B7C0155
t-Butyl Formate	ND	50.0	ug/L	1.00	03/03/17 12:51	EPA 8260B		RJM	B7C0155
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/03/17 12:51	EPA 8260B		RJM	B7C0155
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/03/17 12:51	EPA 8260B		RJM	B7C0155
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/03/17 12:51	EPA 8260B		RJM	B7C0155
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/03/17 12:51	EPA 8260B		RJM	B7C0155
Ethanol	ND	50.0	ug/L	1.00	03/03/17 12:51	EPA 8260B		RJM	B7C0155
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				101	70-130				
<i>Toluene-D8</i>				110	70-130				
<i>4-Bromofluorobenzene</i>				99	70-130				

Anderson Co Stormwater Mgt
731 Michelin Road
Anderson, SC 29626

Work Order: 7030065
Reported: 03/20/17 15:17

Sample Number 7030065-19
Sample Description SW12 collected on 02/28/17 14:40

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	5.0	ug/L	5.00	03/08/17 13:57	EPA 8260B		LDP	B7C0408
Benzene	118	5.0	ug/L	5.00	03/08/17 13:57	EPA 8260B		LDP	B7C0408
Ethylbenzene	14.4	5.0	ug/L	5.00	03/08/17 13:57	EPA 8260B		LDP	B7C0408
m,p-Xylenc	53.7	10.0	ug/L	5.00	03/08/17 13:57	EPA 8260B		LDP	B7C0408
Methyl tert-butyl ether	ND	10.0	ug/L	5.00	03/08/17 13:57	EPA 8260B		LDP	B7C0408
Naphthalene	ND	10.0	ug/L	5.00	03/08/17 13:57	EPA 8260B		LDP	B7C0408
o-Xylene	32.4	5.0	ug/L	5.00	03/08/17 13:57	EPA 8260B		LDP	B7C0408
Toluene	237	5.0	ug/L	5.00	03/08/17 13:57	EPA 8260B	SI	LDP	B7C0408
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				117	70-130				
<i>4-Bromofluorobenzene</i>				117	70-130				
<i>Toluene-d8</i>				102	70-130				

Sample Number 7030065-20
Sample Description SW12 collected on 02/28/17 14:40

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	27.3	10.0	ug/L	1.00	03/03/17 13:23	EPA 8260B		RJM	B7C0155
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/03/17 13:23	EPA 8260B		RJM	B7C0155
t-Butyl Formate	ND	50.0	ug/L	1.00	03/03/17 13:23	EPA 8260B		RJM	B7C0155
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/03/17 13:23	EPA 8260B		RJM	B7C0155
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/03/17 13:23	EPA 8260B		RJM	B7C0155
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/03/17 13:23	EPA 8260B		RJM	B7C0155
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/03/17 13:23	EPA 8260B		RJM	B7C0155
Ethanol	ND	50.0	ug/L	1.00	03/03/17 13:23	EPA 8260B		RJM	B7C0155
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				106	70-130				
<i>Toluene-D8</i>				105	70-130				
<i>4-Bromofluorobenzene</i>				98	70-130				



Anderson Co Stormwater Mgt
731 Michelin Road
Anderson, SC 29626

Work Order: 7030065
Reported: 03/20/17 15:17

Data Qualifiers and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not reported
- S1 The matrix spike and / or the matrix spike duplicate sample recovery was not within control limits due to matrix interference. The Laboratory Control Sample (LCS) was within control limits.



Rogers & Callcott ENVIRONMENTAL CHAIN OF CUSTODY RECORD

WORK ORDER 720065

Mailing Address: PO Box 5655, Greenville, SC 29606
 Shipping Address: 426 Fairforest Way, Greenville, SC 29607
 215B Stoneridge Drive, Columbia, SC 29210
 Phone (864) 232-1556 Fax (864) 232-6140 Phone (803) 509-8999

Client Name: Anderson County
 Address: 731 Michelin Blvd
Anderson SC 29626

Report To: Jon Batson
 Email Address: JBatson@andersoncounty.sc.gov
 Telephone #: 864-716-3620
 PO #: _____ Project #: _____

Total Number of Containers	N	N	N			Filtered (Yes/No)
	Y	Y	Y			Cooled (Yes/No)
	G	G	G			Container Type (Plastic/Glass)
	40ml	40ml	25L			Container Volume (mL)
	G	G	G			Sample Type (Grab/Composite)
	SW	SW	SW			Sample Source (WW, GW, DW, SW, S, Other)

Preservation Code(s)
 A - None E - HCl I - Zn Acetate
 B - HNO₃ F - Na₂S₂O₃ J - H₃PO₄
 C - H₂SO₄ G - Boric Acid K - MCAA
 D - NaOH H - Ascorbic Acid L - _____

R & C WORK ORDER	YR/MO DATE	TIME	SAMPLE DESCRIPTION	Total Number of Containers	Parameter(s)	COMMENTS
01-02	2/28	10:05	SW 115	6	VOA	
03-04	2/28	10:30	SW 111	6	OKY	
05-06	2/28	10:50	SW 110	5	PAH	
07-08	2/28	11:15	SW 109	5		
09-10	2/28	11:45	SW 108	5		
11-12	2/28	1:00	SW 105	5		
13-14	2/28	1:20	SW 102	5		
15-16	2/28	1:45	SW 101	5		
17-18	2/28	2:20	SW 01	5		
19-20	2/28	2:46	SW 12	5		

1. RELINQUISHED BY: <u>[Signature]</u>	DATE/TIME: <u>2/28 3:05pm</u>	RECEIVED BY: <u>[Signature]</u>	DATE/TIME: <u>2/28 3:05pm</u>	Composite Start Date: _____
3. RELINQUISHED BY: <u>[Signature]</u>	DATE/TIME: <u>3/19:25</u>	RECEIVED BY: <u>[Signature]</u>	DATE/TIME: <u>3/17 2/28/17 9:25am</u>	Composite Start Time: _____
5. RELINQUISHED BY: <u>[Signature]</u>	DATE/TIME: <u>3/1/17 12:05</u>	RECEIVED BY: <u>[Signature]</u>	DATE/TIME: <u>3.1.17 1225</u>	Temperature of blank or representative sample At time of collection _____ °C At time of lab receipt <u>3.4</u> °C

Possible Hazards associated with samples: Non-Hazard Flammable Skin Irritant Poison Unknown Other _____ Form Revised July, 2014 Page _____ of _____



Sample Receipt Verification

Client: And Co. Date Received: 3.1.17 Work Order: 7030065

Carrier Name: Client FedEx UPS US Mail Courier Field Services Other: _____

Tracking Number: _____

Receipt Criteria	Y e s	N o	N A	Comments
Shipping container / cooler intact?	X			Damaged Leaking Other:
Custody seals intact?			X	
COC included with samples?	X			
COC signed when relinquished and received?	X			
Sample bottles intact?	X			Damaged Leaking Other:
Sample ID on COC agree with label on bottle(s)?	X			
Date / time on COC agree with label on bottle(s)?	X			
Number of bottles on COC agrees with number of bottles received?	X			
Samples received within holding time?	X			
Sample volume sufficient for analysis?	X			
VOA vials free of headspace (<6mm bubble)?	X			
Samples cooled? Temp at receipt recorded on COC Temp measured with IR thermometer - SN: 97050067	X			Ice Cold Packs Dry Ice None
Samples requiring pH preservation at proper pH? Note: Samples for metals analysis may be preserved upon receipt in the lab	X			Checked @ bunch
Samples dechlorinated for parameters requiring chlorine removal at the time of sample collection?	X			↓

If in-house preservation used - record Lot #			
HCL		H ₃ PO ₄	
H ₂ SO ₄		NaOH	
HNO ₃		Other	

Comments:

Were non-conformance issues noted at sample receipt? Yes or No

Non-Conformance issue other than noted above:



Rogers & Callcott
ENVIRONMENTAL



Laboratory Services

Laboratory Report

Client
Anderson Co Stormwater Mgt
Jon Batson
731 Michelin Road
Anderson, SC 29626

Work Order: 7030064
Received: 03/01/2017 12:25

Dear Client:

Rogers and Callcott appreciates the opportunity to be of service to you. The attached laboratory services report includes analytical results and chain of custody for samples that were received on March 01, 2017. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements for the TNI standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty is available upon request.

Privileged / Confidential information may be contained in this report and is intended only for the use of the addressee. If you are not the addressee, or the person responsible for delivering to the person addressed, you may not copy or deliver this message to anyone else. If you receive this message by mistake, please notify Rogers and Callcott immediately.

We strive to provide excellent service to our clients. Please contact Lauren Woodrum, your Project Manager, at lauren.woodrum@rogersandcallcott.com or (864)-232-1556 if you have any questions about this report.

Report Approved By:

Lauren Woodrum
Project Manager

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PO Box 5655 | Greenville, SC 29606 | 426 Fairforest Way | Greenville, SC 29607 | main 864.232.1556 | fax 864.232.6140 rogersandcallcott.com
an employee-owned company



South Carolina Greenville Laboratory Identification 23105
 South Carolina Columbia Laboratory Identification 40572
 North Carolina Laboratory Certification Number 27
 North Carolina Drinking Water Lab Number 45710
 NELAP Utah Certificate Number SC000042014-1
 Georgia Drinking Water Lab ID 880

Certificate of Analysis

Client Anderson Co Stormwater Mgt
 Jon Batson
 731 Michelin Road
 Anderson, SC 29626

Work Order: 7030064
Received: 03/01/2017 12:25

Sample Number	Sample Description	Matrix	Sampled	Type
7030064-01	SW116 Broadway Lake	Surface Water	02/28/17 10:00	Grab
7030064-02	SW116 Broadway Lake	Surface Water	02/28/17 10:00	Grab
7030064-03	SW114 US 76 crossing	Surface Water	02/28/17 10:21	Grab
7030064-04	SW114 US 76 crossing	Surface Water	02/28/17 10:21	Grab
7030064-05	SW112 Bolt Dr crossing	Surface Water	02/28/17 10:37	Grab
7030064-06	SW112 Bolt Dr crossing	Surface Water	02/28/17 10:37	Grab
7030064-07	SW113 Belhaven crossing	Surface Water	02/28/17 10:55	Grab
7030064-08	SW113 Belhaven crossing	Surface Water	02/28/17 10:55	Grab
7030064-09	SW106 Whiten Rd crossing	Surface Water	02/28/17 11:20	Grab
7030064-10	SW106 Whiten Rd crossing	Surface Water	02/28/17 11:20	Grab
7030064-11	SW107 Whiten Rd @ Cupboard Creek	Surface Water	02/28/17 11:42	Grab
7030064-12	SW107 Whiten Rd @ Cupboard Creek	Surface Water	02/28/17 11:42	Grab
7030064-13	SW104	Surface Water	02/28/17 12:05	Grab
7030064-14	SW104	Surface Water	02/28/17 12:05	Grab
7030064-15	SW103 Next to Belton's Breazeale lagoon	Surface Water	02/28/17 12:24	Grab
7030064-16	SW103 Next to Belton's Breazeale lagoon	Surface Water	02/28/17 12:24	Grab
7030064-17	SW-11	Surface Water	02/28/17 13:30	Grab
7030064-18	SW-11	Surface Water	02/28/17 13:30	Grab
7030064-19	SW-10	Surface Water	02/28/17 13:45	Grab
7030064-20	SW-10	Surface Water	02/28/17 13:45	Grab



Anderson Co Stormwater Mgt 731 Michelin Road Anderson, SC 29626	Work Order: 7030064 Reported: 03/20/17 15:14
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Sample Data

Sample Number 7030064-01
Sample Description SW116 Broadway Lake collected on 02/28/17 10:00

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1.00	03/08/17 16:01	EPA 8260B		LDP	B7C0408
Benzene	ND	1.0	ug/L	1.00	03/08/17 16:01	EPA 8260B		LDP	B7C0408
Ethylbenzene	ND	1.0	ug/L	1.00	03/08/17 16:01	EPA 8260B		LDP	B7C0408
m,p-Xylene	ND	2.0	ug/L	1.00	03/08/17 16:01	EPA 8260B		LDP	B7C0408
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/08/17 16:01	EPA 8260B		LDP	B7C0408
Naphthalene	ND	2.0	ug/L	1.00	03/08/17 16:01	EPA 8260B		LDP	B7C0408
o-Xylene	ND	1.0	ug/L	1.00	03/08/17 16:01	EPA 8260B		LDP	B7C0408
Toluene	ND	1.0	ug/L	1.00	03/08/17 16:01	EPA 8260B		LDP	B7C0408
Surrogates				%REC	%REC Limits	Flag			
1,2-Dichloroethane-D4				118	70-130				
4-Bromofluorobenzene				115	70-130				
Toluene-d8				103	70-130				

Sample Number 7030064-02
Sample Description SW116 Broadway Lake collected on 02/28/17 10:00

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	ND	10.0	ug/L	1.00	03/02/17 17:57	EPA 8260B		RJM	B7C0152
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/02/17 17:57	EPA 8260B		RJM	B7C0152
t-Butyl Formate	ND	50.0	ug/L	1.00	03/02/17 17:57	EPA 8260B		RJM	B7C0152
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/02/17 17:57	EPA 8260B		RJM	B7C0152
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/02/17 17:57	EPA 8260B		RJM	B7C0152
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/02/17 17:57	EPA 8260B		RJM	B7C0152
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/02/17 17:57	EPA 8260B		RJM	B7C0152
Ethanol	ND	50.0	ug/L	1.00	03/02/17 17:57	EPA 8260B		RJM	B7C0152
Surrogates				%REC	%REC Limits	Flag			
1,2-Dichloroethane-D4				101	70-130				
Toluene-D8				109	70-130				
4-Bromofluorobenzene				96	70-130				



Rogers & Callcott

ENVIRONMENTAL

Anderson Co Stormwater Mgt 731 Michelin Road Anderson, SC 29626	Work Order: 7030064 Reported: 03/20/17 15:14
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Sample Number 7030064-03
Sample Description SW114 US 76 crossing collected on 02/28/17 10:21

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1.00	03/08/17 16:32	EPA 8260B		LDP	B7C0408
Benzene	ND	1.0	ug/L	1.00	03/08/17 16:32	EPA 8260B		LDP	B7C0408
Ethylbenzene	ND	1.0	ug/L	1.00	03/08/17 16:32	EPA 8260B		LDP	B7C0408
m,p-Xylene	ND	2.0	ug/L	1.00	03/08/17 16:32	EPA 8260B		LDP	B7C0408
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/08/17 16:32	EPA 8260B		LDP	B7C0408
Naphthalene	ND	2.0	ug/L	1.00	03/08/17 16:32	EPA 8260B		LDP	B7C0408
o-Xylene	ND	1.0	ug/L	1.00	03/08/17 16:32	EPA 8260B		LDP	B7C0408
Toluene	ND	1.0	ug/L	1.00	03/08/17 16:32	EPA 8260B		LDP	B7C0408
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				115	70-130				
<i>4-Bromofluorobenzene</i>				119	70-130				
<i>Toluene-d8</i>				100	70-130				

Sample Number 7030064-04
Sample Description SW114 US 76 crossing collected on 02/28/17 10:21

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	ND	10.0	ug/L	1.00	03/02/17 19:35	EPA 8260B		RJM	B7C0152
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/02/17 19:35	EPA 8260B		RJM	B7C0152
t-Butyl Formate	ND	50.0	ug/L	1.00	03/02/17 19:35	EPA 8260B		RJM	B7C0152
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/02/17 19:35	EPA 8260B		RJM	B7C0152
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/02/17 19:35	EPA 8260B		RJM	B7C0152
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/02/17 19:35	EPA 8260B		RJM	B7C0152
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/02/17 19:35	EPA 8260B		RJM	B7C0152
Ethanol	ND	50.0	ug/L	1.00	03/02/17 19:35	EPA 8260B		RJM	B7C0152
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				104	70-130				
<i>Toluene-D8</i>				118	70-130				
<i>4-Bromofluorobenzene</i>				102	70-130				



Anderson Co Stormwater Mgt
731 Michelin Road
Anderson, SC 29626

Work Order: 7030064
Reported: 03/20/17 15:14

Sample Number 7030064-05
Sample Description SW112 Bolt Dr crossing collected on 02/28/17 10:37

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1.00	03/08/17 17:03	EPA 8260B		LDP	B7C0408
Benzene	ND	1.0	ug/L	1.00	03/08/17 17:03	EPA 8260B		LDP	B7C0408
Ethylbenzene	ND	1.0	ug/L	1.00	03/08/17 17:03	EPA 8260B		LDP	B7C0408
m,p-Xylene	ND	2.0	ug/L	1.00	03/08/17 17:03	EPA 8260B		LDP	B7C0408
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/08/17 17:03	EPA 8260B		LDP	B7C0408
Naphthalene	ND	2.0	ug/L	1.00	03/08/17 17:03	EPA 8260B		LDP	B7C0408
o-Xylene	ND	1.0	ug/L	1.00	03/08/17 17:03	EPA 8260B		LDP	B7C0408
Toluene	ND	1.0	ug/L	1.00	03/08/17 17:03	EPA 8260B		LDP	B7C0408
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				116	70-130				
<i>4-Bromofluorobenzene</i>				116	70-130				
<i>Toluene-d8</i>				99	70-130				

Sample Number 7030064-06
Sample Description SW112 Bolt Dr crossing collected on 02/28/17 10:37

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	ND	10.0	ug/L	1.00	03/02/17 20:08	EPA 8260B		RJM	B7C0152
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/02/17 20:08	EPA 8260B		RJM	B7C0152
t-Butyl Formate	ND	50.0	ug/L	1.00	03/02/17 20:08	EPA 8260B		RJM	B7C0152
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/02/17 20:08	EPA 8260B		RJM	B7C0152
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/02/17 20:08	EPA 8260B		RJM	B7C0152
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/02/17 20:08	EPA 8260B		RJM	B7C0152
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/02/17 20:08	EPA 8260B		RJM	B7C0152
Ethanol	ND	50.0	ug/L	1.00	03/02/17 20:08	EPA 8260B		RJM	B7C0152
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				104	70-130				
<i>Toluene-D8</i>				110	70-130				
<i>4-Bromofluorobenzene</i>				99	70-130				



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Anderson Co Stormwater Mgt 731 Michelin Road Anderson, SC 29626	Work Order: 7030064 Reported: 03/20/17 15:14
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Sample Number 7030064-07
Sample Description SW113 Belhaven crossing collected on 02/28/17 10:55

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1.00	03/08/17 17:33	EPA 8260B		LDP	B7C0408
Benzene	ND	1.0	ug/L	1.00	03/08/17 17:33	EPA 8260B		LDP	B7C0408
Ethylbenzene	ND	1.0	ug/L	1.00	03/08/17 17:33	EPA 8260B		LDP	B7C0408
m,p-Xylene	ND	2.0	ug/L	1.00	03/08/17 17:33	EPA 8260B		LDP	B7C0408
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/08/17 17:33	EPA 8260B		LDP	B7C0408
Naphthalene	ND	2.0	ug/L	1.00	03/08/17 17:33	EPA 8260B		LDP	B7C0408
o-Xylene	ND	1.0	ug/L	1.00	03/08/17 17:33	EPA 8260B		LDP	B7C0408
Toluene	ND	1.0	ug/L	1.00	03/08/17 17:33	EPA 8260B		LDP	B7C0408
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				117	70-130				
<i>4-Bromofluorobenzene</i>				113	70-130				
<i>Toluene-d8</i>				99	70-130				

Sample Number 7030064-08
Sample Description SW113 Belhaven crossing collected on 02/28/17 10:55

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	ND	10.0	ug/L	1.00	03/02/17 20:40	EPA 8260B		RJM	B7C0152
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/02/17 20:40	EPA 8260B		RJM	B7C0152
t-Butyl Formate	ND	50.0	ug/L	1.00	03/02/17 20:40	EPA 8260B		RJM	B7C0152
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/02/17 20:40	EPA 8260B		RJM	B7C0152
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/02/17 20:40	EPA 8260B		RJM	B7C0152
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/02/17 20:40	EPA 8260B		RJM	B7C0152
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/02/17 20:40	EPA 8260B		RJM	B7C0152
Ethanol	ND	50.0	ug/L	1.00	03/02/17 20:40	EPA 8260B		RJM	B7C0152
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				99	70-130				
<i>Toluene-D8</i>				107	70-130				
<i>4-Bromofluorobenzene</i>				95	70-130				



Anderson Co Stormwater Mgt 731 Michelin Road Anderson, SC 29626	Work Order: 7030064 Reported: 03/20/17 15:14
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Sample Number 7030064-09
Sample Description SW106 Whiten Rd crossing collected on 02/28/17 11:20

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1.00	03/08/17 18:04	EPA 8260B		LDP	B7C0408
Benzene	ND	1.0	ug/L	1.00	03/08/17 18:04	EPA 8260B		LDP	B7C0408
Ethylbenzene	ND	1.0	ug/L	1.00	03/08/17 18:04	EPA 8260B		LDP	B7C0408
m,p-Xylene	ND	2.0	ug/L	1.00	03/08/17 18:04	EPA 8260B		LDP	B7C0408
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/08/17 18:04	EPA 8260B		LDP	B7C0408
Naphthalene	ND	2.0	ug/L	1.00	03/08/17 18:04	EPA 8260B		LDP	B7C0408
o-Xylene	ND	1.0	ug/L	1.00	03/08/17 18:04	EPA 8260B		LDP	B7C0408
Toluene	ND	1.0	ug/L	1.00	03/08/17 18:04	EPA 8260B		LDP	B7C0408
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				118	70-130				
<i>4-Bromofluorobenzene</i>				116	70-130				
<i>Toluene-d8</i>				99	70-130				

Sample Number 7030064-10
Sample Description SW106 Whiten Rd crossing collected on 02/28/17 11:20

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	ND	10.0	ug/L	1.00	03/02/17 21:13	EPA 8260B		RJM	B7C0152
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/02/17 21:13	EPA 8260B		RJM	B7C0152
t-Butyl Formate	ND	50.0	ug/L	1.00	03/02/17 21:13	EPA 8260B		RJM	B7C0152
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/02/17 21:13	EPA 8260B		RJM	B7C0152
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/02/17 21:13	EPA 8260B		RJM	B7C0152
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/02/17 21:13	EPA 8260B		RJM	B7C0152
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/02/17 21:13	EPA 8260B		RJM	B7C0152
Ethanol	ND	50.0	ug/L	1.00	03/02/17 21:13	EPA 8260B		RJM	B7C0152
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				102	70-130				
<i>Toluene-D8</i>				107	70-130				
<i>4-Bromofluorobenzene</i>				93	70-130				



Anderson Co Stormwater Mgt 731 Michelin Road Anderson, SC 29626	Work Order: 7030064 Reported: 03/20/17 15:14
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Sample Number 7030064-11
Sample Description SW107 Whiten Rd @ Cupboard Creek collected on 02/28/17 11:42

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1 00	03/09/17 11:02	EPA 8260B		LBW	B7C0743
Benzene	ND	1.0	ug/L	1.00	03/09/17 11:02	EPA 8260B		LBW	B7C0743
Ethylbenzene	ND	1.0	ug/L	1.00	03/09/17 11:02	EPA 8260B		LBW	B7C0743
m,p-Xylene	ND	2.0	ug/L	1.00	03/09/17 11:02	EPA 8260B		LBW	B7C0743
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/09/17 11:02	EPA 8260B		LBW	B7C0743
Naphthalene	ND	2.0	ug/L	1.00	03/09/17 11:02	EPA 8260B		LBW	B7C0743
o-Xylene	ND	1.0	ug/L	1.00	03/09/17 11:02	EPA 8260B		LBW	B7C0743
Toluene	ND	1.0	ug/L	1 00	03/09/17 11:02	EPA 8260B		LBW	B7C0743
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				92	70-130				
<i>4-Bromofluorobenzene</i>				95	70-130				
<i>Toluene-d8</i>				114	70-130				

Sample Number 7030064-12
Sample Description SW107 Whiten Rd @ Cupboard Creek collected on 02/28/17 11:42

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	ND	10.0	ug/L	1.00	03/02/17 21:46	EPA 8260B		RJM	B7C0152
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/02/17 21:46	EPA 8260B		RJM	B7C0152
t-Butyl Formate	ND	50.0	ug/L	1.00	03/02/17 21:46	EPA 8260B		RJM	B7C0152
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/02/17 21:46	EPA 8260B		RJM	B7C0152
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/02/17 21:46	EPA 8260B		RJM	B7C0152
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/02/17 21:46	EPA 8260B		RJM	B7C0152
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/02/17 21:46	EPA 8260B		RJM	B7C0152
Ethanol	ND	50.0	ug/L	1.00	03/02/17 21:46	EPA 8260B		RJM	B7C0152
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				99	70-130				
<i>Toluene-D8</i>				110	70-130				
<i>4-Bromofluorobenzene</i>				98	70-130				



Anderson Co Stormwater Mgt 731 Michelin Road Anderson, SC 29626	Work Order: 7030064 Reported: 03/20/17 15:14
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Sample Number 7030064-13
 Sample Description SW104 collected on 02/28/17 12:05

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1.00	03/09/17 11:33	EPA 8260B		LBW	B7C0743
Benzene	ND	1.0	ug/L	1.00	03/09/17 11:33	EPA 8260B		LBW	B7C0743
Ethylbenzene	ND	1.0	ug/L	1.00	03/09/17 11:33	EPA 8260B		LBW	B7C0743
m,p-Xylene	ND	2.0	ug/L	1.00	03/09/17 11:33	EPA 8260B		LBW	B7C0743
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/09/17 11:33	EPA 8260B		LBW	B7C0743
Naphthalene	ND	2.0	ug/L	1.00	03/09/17 11:33	EPA 8260B		LBW	B7C0743
o-Xylene	ND	1.0	ug/L	1.00	03/09/17 11:33	EPA 8260B		LBW	B7C0743
Toluene	1.7	1.0	ug/L	1.00	03/09/17 11:33	EPA 8260B		LBW	B7C0743
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				91	70-130				
<i>4-Bromofluorobenzene</i>				94	70-130				
<i>Toluene-d8</i>				114	70-130				

Sample Number 7030064-14
 Sample Description SW104 collected on 02/28/17 12:05

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	ND	10.0	ug/L	1.00	03/02/17 22:18	EPA 8260B		RJM	B7C0152
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/02/17 22:18	EPA 8260B		RJM	B7C0152
t-Butyl Formate	ND	50.0	ug/L	1.00	03/02/17 22:18	EPA 8260B		RJM	B7C0152
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/02/17 22:18	EPA 8260B		RJM	B7C0152
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/02/17 22:18	EPA 8260B		RJM	B7C0152
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/02/17 22:18	EPA 8260B		RJM	B7C0152
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/02/17 22:18	EPA 8260B		RJM	B7C0152
Ethanol	ND	50.0	ug/L	1.00	03/02/17 22:18	EPA 8260B		RJM	B7C0152
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				100	70-130				
<i>Toluene-D8</i>				107	70-130				
<i>4-Bromofluorobenzene</i>				96	70-130				



Anderson Co Stormwater Mgt 731 Michelm Road Anderson, SC 29626	Work Order: 7030064 Reported: 03/20/17 15:14
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Sample Number 7030064-15
Sample Description SW103 Next to Belton's Breazeale lagoon collected on 02/28/17 12:24

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1.00	03/09/17 12:04	EPA 8260B		LBW	B7C0743
Benzene	ND	1.0	ug/L	1.00	03/09/17 12:04	EPA 8260B		LBW	B7C0743
Ethylbenzene	ND	1.0	ug/L	1.00	03/09/17 12:04	EPA 8260B		LBW	B7C0743
m,p-Xylene	ND	2.0	ug/L	1.00	03/09/17 12:04	EPA 8260B		LBW	B7C0743
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/09/17 12:04	EPA 8260B		LBW	B7C0743
Naphthalene	ND	2.0	ug/L	1.00	03/09/17 12:04	EPA 8260B		LBW	B7C0743
o-Xylene	ND	1.0	ug/L	1.00	03/09/17 12:04	EPA 8260B		LBW	B7C0743
Toluene	ND	1.0	ug/L	1.00	03/09/17 12:04	EPA 8260B		LBW	B7C0743
Surrogates				%REC	%REC Limits	Flag			
1,2-Dichloroethane-D4				91	70-130				
4-Bromofluorobenzene				92	70-130				
Toluene-d8				113	70-130				

Sample Number 7030064-16
Sample Description SW103 Next to Belton's Breazeale lagoon collected on 02/28/17 12:24

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	ND	10.0	ug/L	1.00	03/02/17 22:51	EPA 8260B		RJM	B7C0152
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/02/17 22:51	EPA 8260B		RJM	B7C0152
t-Butyl Formate	ND	50.0	ug/L	1.00	03/02/17 22:51	EPA 8260B		RJM	B7C0152
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/02/17 22:51	EPA 8260B		RJM	B7C0152
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/02/17 22:51	EPA 8260B		RJM	B7C0152
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/02/17 22:51	EPA 8260B		RJM	B7C0152
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/02/17 22:51	EPA 8260B		RJM	B7C0152
Ethanol	ND	50.0	ug/L	1.00	03/02/17 22:51	EPA 8260B		RJM	B7C0152
Surrogates				%REC	%REC Limits	Flag			
1,2-Dichloroethane-D4				102	70-130				
Toluene-D8				109	70-130				
4-Bromofluorobenzene				97	70-130				



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Anderson Co Stormwater Mgt 731 Michelin Road Anderson, SC 29626	Work Order: 7030064 Reported: 03/20/17 15:14
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Sample Number 7030064-17
 Sample Description SW-11 collected on 02/28/17 13:30

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1.00	03/09/17 12:35	EPA 8260B		LBW	B7C0743
Benzene	ND	1.0	ug/L	1.00	03/09/17 12:35	EPA 8260B		LBW	B7C0743
Ethylbenzene	ND	1.0	ug/L	1.00	03/09/17 12:35	EPA 8260B		LBW	B7C0743
m,p-Xylene	ND	2.0	ug/L	1.00	03/09/17 12:35	EPA 8260B		LBW	B7C0743
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/09/17 12:35	EPA 8260B		LBW	B7C0743
Naphthalene	ND	2.0	ug/L	1.00	03/09/17 12:35	EPA 8260B		LBW	B7C0743
o-Xylene	ND	1.0	ug/L	1.00	03/09/17 12:35	EPA 8260B		LBW	B7C0743
Toluene	ND	1.0	ug/L	1.00	03/09/17 12:35	EPA 8260B		LBW	B7C0743
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				91	70-130				
<i>4-Bromofluorobenzene</i>				93	70-130				
<i>Toluene-d8</i>				116	70-130				

Sample Number 7030064-18
 Sample Description SW-11 collected on 02/28/17 13:30

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	ND	10.0	ug/L	1.00	03/02/17 23:24	EPA 8260B		RJM	B7C0152
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/02/17 23:24	EPA 8260B		RJM	B7C0152
t-Butyl Formate	ND	50.0	ug/L	1.00	03/02/17 23:24	EPA 8260B		RJM	B7C0152
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/02/17 23:24	EPA 8260B		RJM	B7C0152
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/02/17 23:24	EPA 8260B		RJM	B7C0152
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/02/17 23:24	EPA 8260B		RJM	B7C0152
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/02/17 23:24	EPA 8260B		RJM	B7C0152
Ethanol	ND	50.0	ug/L	1.00	03/02/17 23:24	EPA 8260B		RJM	B7C0152
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				100	70-130				
<i>Toluene-D8</i>				111	70-130				
<i>4-Bromofluorobenzene</i>				96	70-130				



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ENVIRONMENTAL

Anderson Co Stormwater Mgt 731 Michelin Road Anderson, SC 29626	Work Order: 7030064 Reported: 03/20/17 15:14
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Sample Number 7030064-19
 Sample Description SW-10 collected on 02/28/17 13:45

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1.00	03/09/17 13:06	EPA 8260B		LBW	B7C0743
Benzene	ND	1.0	ug/L	1.00	03/09/17 13:06	EPA 8260B		LBW	B7C0743
Ethylbenzene	ND	1.0	ug/L	1.00	03/09/17 13:06	EPA 8260B		LBW	B7C0743
m,p-Xylenc	ND	2.0	ug/L	1.00	03/09/17 13:06	EPA 8260B		LBW	B7C0743
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/09/17 13:06	EPA 8260B		LBW	B7C0743
Naphthalene	ND	2.0	ug/L	1.00	03/09/17 13:06	EPA 8260B		LBW	B7C0743
o-Xylene	ND	1.0	ug/L	1.00	03/09/17 13:06	EPA 8260B		LBW	B7C0743
Toluene	ND	1.0	ug/L	1.00	03/09/17 13:06	EPA 8260B		LBW	B7C0743
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				88	70-130				
<i>4-Bromofluorobenzene</i>				94	70-130				
<i>Toluene-d8</i>				116	70-130				

Sample Number 7030064-20
 Sample Description SW-10 collected on 02/28/17 13:45

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	ND	10.0	ug/L	1.00	03/02/17 23:57	EPA 8260B		RJM	B7C0152
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/02/17 23:57	EPA 8260B		RJM	B7C0152
t-Butyl Formate	ND	50.0	ug/L	1.00	03/02/17 23:57	EPA 8260B		RJM	B7C0152
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/02/17 23:57	EPA 8260B		RJM	B7C0152
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/02/17 23:57	EPA 8260B		RJM	B7C0152
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/02/17 23:57	EPA 8260B		RJM	B7C0152
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/02/17 23:57	EPA 8260B		RJM	B7C0152
Ethanol	ND	50.0	ug/L	1.00	03/02/17 23:57	EPA 8260B		RJM	B7C0152
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				104	70-130				
<i>Toluene-D8</i>				112	70-130				
<i>4-Bromofluorobenzene</i>				97	70-130				



Anderson Co Stormwater Mgt
731 Michelin Road
Anderson, SC 29626

Work Order: 7030064
Reported: 03/20/17 15:14

Data Qualifiers and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not reported



Rogers & Callcott ENVIRONMENTAL

CHAIN OF CUSTODY RECORD

WORK ORDER 7130064

Mailing Address: PO Box 5655, Greenville, SC 29606
 Shipping Address: 426 Fairforest Way, Greenville, SC 29607
 215B Stoneridge Drive, Columbia, SC 29210
 Phone (864) 232-1556 Fax (864) 232-6140 Phone (803) 509-8999

Client Name: Anderson County
 Address: 731 Michelin Blvd
Anderson SC 29626
 Report To: Jon Batson
 Email Address: jbatson@andersoncountysc.org
 Telephone #: 864-716-3620
 PO # _____ Project # _____

Total Number of Containers	Parameter(s) →	N	N	N						
		Y	Y	Y						
		G	G	G						Filtered (Yes/No)
		40ml	40ml	25L						Cooled (Yes/No)
		G	G	G						Container Type (Plastic/Glass)
		SW	SW	SW						Container Volume (ml)
										Sample Type (Grab/Composite)
										Sample Source (WW, GW, DW, SW, S, Other)
										Preservation Code(s)
										A - None E - HCl I - Zn Acetate
										B - HNO ₃ F - Na ₂ S ₂ O ₃ J - H ₃ PO ₄
										C - H ₂ SO ₄ G - Boric Acid K - MCAA
										D - NaOH H - Ascorbic Acid L -
		VOA	OKY	PAH						COMMENTS

R & C WORK ORDER	YR DATE	TIME	SAMPLE DESCRIPTION
-01-02	2/28	1000	SW116
-03-04	2/28	1021	SW114
-05-06	2/28	1037	SW112
-07-08	2/28	1055	SW113
-09-10	2/28	1120	SW106
-11-12	2/28	1142	SW107
-13-14	2/28	1205	SW104
-15-16	2/28	1224	SW103
-17-18	2/28	1330	SW-11
-19-20	2/28	1345	SW-10

SAMPLER - RELINQUISHED BY: 1. <u>Jon Batson</u>	DATE/TIME: <u>3/11/17 1225</u>	RECEIVED BY: 2. <u>Krum</u>	DATE/TIME: <u>3.1.17 1225</u>	Composite Start Date: _____
RELINQUISHED BY: 3. _____	DATE/TIME: _____	RECEIVED BY: 4. _____	DATE/TIME: _____	Composite Start Time: _____
RELINQUISHED BY: 5. _____	DATE/TIME: _____	RECEIVED BY: 6. _____	DATE/TIME: _____	Time or Flow (Circle one) Initials: _____
RELINQUISHED BY: 7. _____	DATE/TIME: _____	RECEIVED BY: 8. _____	DATE/TIME: _____	Temperature of blank or representative sample At time of collection _____ °C At time of lab receipt <u>3.4</u> °C

Possible Hazards associated with samples: Non-Hazard Flammable Skin Irritant Poison Unknown Other _____ Form Revised July, 2014 Page _____ of _____

Page 14 of 15



Sample Receipt Verification

Client: And Co. Date Received: 3.1.17 Work Order: 7030064

Carrier Name: Client FedEx UPS US Mail Courier Field Services Other: _____

Tracking Number: _____

Receipt Criteria	Y e s	N o	N A	Comments
Shipping container / cooler intact?	X			Damaged Leaking Other:
Custody seals intact?			X	
COC included with samples?	X			
COC signed when relinquished and received?	X			
Sample bottles intact?	X			Damaged Leaking Other:
Sample ID on COC agree with label on bottle(s)?	X			
Date / time on COC agree with label on bottle(s)?	X			
Number of bottles on COC agrees with number of bottles received?	X			
Samples received within holding time?	X			
Sample volume sufficient for analysis?	X			
VOA vials free of headspace (<6mm bubble)?	X			
Samples cooled? Temp at receipt recorded on COC Temp measured with IR thermometer - SN: 97050067	X			Ice Cold Packs Dry Ice None
Samples requiring pH preservation at proper pH? Note. Samples for metals analysis may be preserved upon receipt in the lab.	X			Checked @ bench
Samples dechlorinated for parameters requiring chlorine removal at the time of sample collection?	X			↓

If in-house preservation used - record Lot #			
HCL		H ₃ PO ₄	
H ₂ SO ₄		NaOH	
HNO ₃		Other	

Comments:

Were non-conformance issues noted at sample receipt? Yes or No

Non-Conformance issue other than noted above:



Anderson Co Stormwater Mgt
731 Michelin Road
Anderson, SC 29626

Work Order: 7030065
Reported: 03/20/17 15:17

Data Qualifiers and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not reported
- SI The matrix spike and / or the matrix spike duplicate sample recovery was not within control limits due to matrix interference. The Laboratory Control Sample (LCS) was within control limits.



Rogers & Callcott ENVIRONMENTAL CHAIN OF CUSTODY RECORD

WORK ORDER 1030065

Mailing Address: PO Box 5655, Greenville, SC 29606
 Shipping Address: 426 Fairforest Way, Greenville, SC 29607
 215B Stoneridge Drive, Columbia, SC 29210
 Phone (864) 232-1556 Fax (864) 232-6140 Phone (803) 509-8999

Client Name: Anderson County
 Address: 731 Michelin Blvd Anderson SC 29626

Report To: Jon Batson
 Email Address: JBatson@andersoncounty.sc.org
 Telephone #: 864-716-3620
 PO #: _____ Project #: _____

Total Number of Containers		N	N	N			Filtered (Yes/No)
		Y	Y	Y			Cooled (Yes/No)
		G	G	G			Container Type (Plastic/Glass)
		40ml	40ml	2.5L			Container Volume (mL)
		G	G	G			Sample Type (Grab/Composite)
		SW	SW	SW			Sample Source (WW, GW, DW, SW, S, Other)
							Preservation Code(s) A - None E - HCl I - Zn Acetate B - HNO ₃ F - Na ₂ S ₂ O ₃ J - H ₃ PO ₄ C - H ₂ SO ₄ G - Boric Acid K - MCAA D - NaOH H - Ascorbic Acid L - _____
		VOA	OKY	PAH			

R & C WORKORDER	YR DATE	TIME	SAMPLE DESCRIPTION
01-02	2/28	10:05	SW 115
03-04	2/28	10:30	SW 111
05-06	2/28	10:50	SW 110
07-08	2/28	11:15	SW 109
09-10	2/28	11:45	SW 108
11-12	2/28	1:00	SW 105
13-14	2/28	1:20	SW 102
15-16	2/28	1:45	SW 101
17-18	2/28	2:20	SW 01
19-20	2/28	2:40	SW 12

Parameter(s)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	COMMENTS	
VOA	3	3																				
OKY	3	3																				
PAH	3	2																				

1. RELINQUISHED BY: <u>[Signature]</u>	DATE/TIME: <u>2/28 3:05pm</u>	RECEIVED BY: <u>[Signature]</u>	DATE/TIME: <u>2/28 3:05pm</u>	Composite Start Date: _____
3. RELINQUISHED BY: <u>[Signature]</u>	DATE/TIME: <u>3/19:25</u>	RECEIVED BY: <u>[Signature]</u>	DATE/TIME: <u>3/17 2/28/17 19:25</u>	Composite Start Time: _____
5. RELINQUISHED BY: <u>[Signature]</u>	DATE/TIME: <u>3/1/17 12:05</u>	RECEIVED BY: <u>[Signature]</u>	DATE/TIME: <u>3.1.17 12:25</u>	Time or Flow (Circle one) Initials: _____
7. RELINQUISHED BY: _____	DATE/TIME: _____	RECEIVED BY: _____	DATE/TIME: _____	Temperature of blank or representative sample
				At time of collection _____ °C
				At time of lab receipt <u>3.4</u> °C

Possible Hazards associated with samples: Non-Hazard Flammable Skin Irritant Poison Unknown Other _____ Form Revised July, 2014 Page _____ of _____

Page 14 of 15



Sample Receipt Verification

Client: And Co. Date Received: 3.1.17 Work Order: 7030065

Carrier Name: Client FedEx UPS US Mail Courier Field Services Other: _____

Tracking Number: _____

Receipt Criteria	Y e s	N o	N A	Comments
Shipping container / cooler intact?	X			Damaged Leaking Other:
Custody seals intact?			X	
COC included with samples?	X			
COC signed when relinquished and received?	X			
Sample bottles intact?	X			Damaged Leaking Other:
Sample ID on COC agree with label on bottle(s)?	X			
Date / time on COC agree with label on bottle(s)?	X			
Number of bottles on COC agrees with number of bottles received?	X			
Samples received within holding time?	X			
Sample volume sufficient for analysis?	X			
VOA vials free of headspace (<6mm bubble)?	X			
Samples cooled? Temp at receipt recorded on COC Temp measured with IR thermometer - SN: 97050067	X			Ice Cold Packs Dry Ice None
Samples requiring pH preservation at proper pH? Note: Samples for metals analysis may be preserved upon receipt in the lab.	X			Checked @ bunch
Samples dechlorinated for parameters requiring chlorine removal at the time of sample collection?	X			↓

If in-house preservation used - record Lot #			
HCL		H ₃ PO ₄	
H ₂ SO ₄		NaOH	
HNO ₃		Other	

Comments:

Were non-conformance issues noted at sample receipt? Yes or No

Non-Conformance issue other than noted above:



Rogers & Callcott
ENVIRONMENTAL



Laboratory Services

Laboratory Report

Client Anderson Co Stormwater Mgt
Jon Batson
731 Michelin Road
Anderson, SC 29626

Work Order: 7030062
Received: 03/01/2017 12:25

Dear Client:

Rogers and Callcott appreciates the opportunity to be of service to you. The attached laboratory services report includes analytical results and chain of custody for samples that were received on March 01, 2017. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements for the TNI standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty is available upon request.

Privileged / Confidential information may be contained in this report and is intended only for the use of the addressee. If you are not the addressee, or the person responsible for delivering to the person addressed, you may not copy or deliver this message to anyone else. If you receive this message by mistake, please notify Rogers and Callcott immediately.

We strive to provide excellent service to our clients. Please contact Lauren Woodrum, your Project Manager, at lauren.woodrum@rogersandcallcott.com or (864)-232-1556 if you have any questions about this report.

Report Approved By:

Lauren Woodrum
Project Manager

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PO Box 5655 | Greenville, SC 29606 | 426 Fairforest Way | Greenville, SC 29607 | main 864.232.1556 | fax 864.232.6140

rogersandcallcott.com
an employee-owned company



*South Carolina Greenville Laboratory Identification 23105
 South Carolina Columbia Laboratory Identification 40572
 North Carolina Laboratory Certification Number 27
 North Carolina Drinking Water Lab Number 45710
 NELAP Utah Certificate Number SC000042014-1
 Georgia Drinking Water Lab ID 880*

Certificate of Analysis

Client Anderson Co Stormwater Mgt
 Jon Batson
 731 Michelin Road
 Anderson, SC 29626

Work Order: 7030062
Received: 03/01/2017 12.25

Sample Number	Sample Description	Matrix	Sampled	Type
7030062-01	SW03	Surface Water	02/28/17 14:50	Grab
7030062-02	SW03	Surface Water	02/28/17 14:50	Grab
7030062-03	Trip Blank	Surface Water	02/28/17 07:46	Grab
7030062-04	Trip Blank	Surface Water	02/28/17 07:46	Grab

Anderson Co Stormwater Mgt 731 Michelin Road Anderson, SC 29626	Work Order: 7030062 Reported: 03/20/17 09:51
---	---

Sample Data

Sample Number 7030062-01
Sample Description SW03 collected on 02/28/17 14:50

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1.00	03/08/17 15:30	EPA 8260B		LDP	B7C0408
Benzene	ND	1.0	ug/L	1.00	03/08/17 15:30	EPA 8260B		LDP	B7C0408
Ethylbenzene	ND	1.0	ug/L	1.00	03/08/17 15:30	EPA 8260B		LDP	B7C0408
m,p-Xylene	ND	2.0	ug/L	1.00	03/08/17 15:30	EPA 8260B		LDP	B7C0408
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/08/17 15:30	EPA 8260B		LDP	B7C0408
Naphthalene	ND	2.0	ug/L	1.00	03/08/17 15:30	EPA 8260B		LDP	B7C0408
o-Xylene	ND	1.0	ug/L	1.00	03/08/17 15:30	EPA 8260B		LDP	B7C0408
Toluene	ND	1.0	ug/L	1.00	03/08/17 15:30	EPA 8260B		LDP	B7C0408
Surrogates				%REC	%REC Limits		Flag		
<i>1,2-Dichloroethane-D4</i>				107	70-130				
<i>4-Bromofluorobenzene</i>				106	70-130				
<i>Toluene-d8</i>				91	70-130				

Sample Number 7030062-02
Sample Description SW03 collected on 02/28/17 14 50

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	ND	10.0	ug/L	1.00	03/02/17 16:51	EPA 8260B		RJM	B7C0152
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/02/17 16:51	EPA 8260B		RJM	B7C0152
t-Butyl Formate	ND	50.0	ug/L	1.00	03/02/17 16:51	EPA 8260B		RJM	B7C0152
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/02/17 16:51	EPA 8260B		RJM	B7C0152
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/02/17 16:51	EPA 8260B		RJM	B7C0152
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/02/17 16:51	EPA 8260B		RJM	B7C0152
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/02/17 16:51	EPA 8260B		RJM	B7C0152
Ethanol	ND	50.0	ug/L	1.00	03/02/17 16:51	EPA 8260B		RJM	B7C0152
Surrogates				%REC	%REC Limits		Flag		
<i>1,2-Dichloroethane-D4</i>				107	70-130				
<i>Toluene-D8</i>				119	70-130				
<i>4-Bromofluorobenzene</i>				110	70-130				



Rogers & Callcott

ENVIRONMENTAL

Anderson Co Stormwater Mgt 731 Michelin Road Anderson, SC 29626	Work Order: 7030062 Reported: 03/20/17 09:51
---	---

Sample Number 7030062-03
Sample Description Trip Blank collected on 02/28/17 07:46

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1.00	03/08/17 13:26	EPA 8260B		LDP	B7C0408
Benzene	ND	1.0	ug/L	1.00	03/08/17 13:26	EPA 8260B		LDP	B7C0408
Ethylbenzene	ND	1.0	ug/L	1.00	03/08/17 13:26	EPA 8260B		LDP	B7C0408
m,p-Xylene	ND	2.0	ug/L	1.00	03/08/17 13:26	EPA 8260B		LDP	B7C0408
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/08/17 13:26	EPA 8260B		LDP	B7C0408
Naphthalene	ND	2.0	ug/L	1.00	03/08/17 13:26	EPA 8260B		LDP	B7C0408
o-Xylene	ND	1.0	ug/L	1.00	03/08/17 13:26	EPA 8260B		LDP	B7C0408
Toluene	ND	1.0	ug/L	1.00	03/08/17 13:26	EPA 8260B		LDP	B7C0408
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				119	70-130				
<i>4-Bromofluorobenzene</i>				119	70-130				
<i>Toluene-d8</i>				108	70-130				

Sample Number 7030062-04
Sample Description Trip Blank collected on 02/28/17 07:46

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	ND	10.0	ug/L	1.00	03/02/17 17:24	EPA 8260B		RJM	B7C0152
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/02/17 17:24	EPA 8260B		RJM	B7C0152
t-Butyl Formate	ND	50.0	ug/L	1.00	03/02/17 17:24	EPA 8260B		RJM	B7C0152
D1-isopropyl Ether	ND	10.0	ug/L	1.00	03/02/17 17:24	EPA 8260B		RJM	B7C0152
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/02/17 17:24	EPA 8260B		RJM	B7C0152
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/02/17 17:24	EPA 8260B		RJM	B7C0152
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/02/17 17:24	EPA 8260B		RJM	B7C0152
Ethanol	ND	50.0	ug/L	1.00	03/02/17 17:24	EPA 8260B		RJM	B7C0152
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				102	70-130				
<i>Toluene-D8</i>				117	70-130				
<i>4-Bromofluorobenzene</i>				102	70-130				



Anderson Co Stormwater Mgt
731 Michelin Road
Anderson, SC 29626

Work Order: 7030062
Reported: 03/20/17 09:51

Data Qualifiers and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not reported



Rogers & Callcott ENVIRONMENTAL CHAIN OF CUSTODY RECORD

WORK ORDER 7030062

Mailing Address: PO Box 5655, Greenville, SC 29606
 Shipping Address: 426 Fairforest Way, Greenville, SC 29607
 215B Stoneridge Drive, Columbia, SC 29210
 Phone (864) 232-1556 Fax (864) 232-6140 Phone (803) 509-8999

Client Name: Anderson County
 Address: 731 Michelin Blvd
Anderson SC 29626
 Report To: Jon Batson
 Email Address: JBatson@andersoncounty.sc.org
 Telephone #: 864-716-3620
 PO # _____ Project # _____

Total Number of Containers	1	1				Filtered (Yes/No)
	Y	Y				Cooled (Yes/No)
	G	G				Container Type (Plastic/Glass)
	40ml	40ml				Container Volume (ml)
	G	G				Sample Type (Grab/Composite)
	SW	SW				Sample Source (WW, GW, DW, SW, S, Other)
						Preservation Code(s)
						A - None E - HCl I - Zn Acetate
						B - HNO3 F - Na2S2O3 J - H3PO4
						C - H2SO4 G - Boric Acid K - MCAA
					D - NaOH H - Ascorbic Acid L - _____	
					COMMENTS	

R & C WORK ORDER	YR DATE	TIME	SAMPLE DESCRIPTION
01-02	2/28	2:50	SW03
01-02	2/28	2:50	SW03
01-04	2/28	0746	TRIP BLANK

1. SAMPLER - RELINQUISHED BY: <u>[Signature]</u>	DATE/TIME: <u>2/28 3:05 PM</u>	RECEIVED BY: <u>[Signature]</u>	DATE/TIME: <u>3/1/17 12:25</u>	Composite Start Date: _____
2. RELINQUISHED BY: <u>[Signature]</u>	DATE/TIME: <u>3/1 9:25</u>	RECEIVED BY: <u>[Signature]</u>	DATE/TIME: <u>3/1/17 12:25</u>	Composite Start Time: _____
3. RELINQUISHED BY: <u>[Signature]</u>	DATE/TIME: <u>3/1/17 12:25</u>	RECEIVED BY: <u>[Signature]</u>	DATE/TIME: _____	Time or Flow (Circle one) Initials: _____
4. RELINQUISHED BY: <u>[Signature]</u>	DATE/TIME: _____	RECEIVED BY: <u>[Signature]</u>	DATE/TIME: _____	Temperature of blank or representative sample
5. RELINQUISHED BY: <u>[Signature]</u>	DATE/TIME: _____	RECEIVED BY: <u>[Signature]</u>	DATE/TIME: _____	At time of collection _____ °C
6. RELINQUISHED BY: _____	DATE/TIME: _____	RECEIVED BY: _____	DATE/TIME: _____	At time of lab receipt <u>3.4</u> °C

Possible Hazards associated with samples: Non-Hazard Flammable Skin Irritant Poison Unknown Other _____ Form Revised July, 2014 Page _____ of _____

Page 6 of 7



Sample Receipt Verification

Client: And Co. Date Received: 3.1.17 Work Order: 7030062
 Carrier Name: Client FedEx UPS US Mail Courier Field Services Other: _____
 Tracking Number: _____

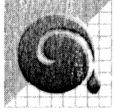
Receipt Criteria	Y e s	N o	N A	Comments
Shipping container / cooler intact?	X			Damaged Leaking Other:
Custody seals intact?			X	
COC included with samples?	X			
COC signed when relinquished and received?	X			
Sample bottles intact?	X			Damaged Leaking Other:
Sample ID on COC agree with label on bottle(s)?	X			
Date / time on COC agree with label on bottle(s)?	X			
Number of bottles on COC agrees with number of bottles received?	X			
Samples received within holding time?	X			
Sample volume sufficient for analysis?	X			
VOA vials free of headspace (<6mm bubble)?	X			
Samples cooled? Temp at receipt recorded on COC Temp measured with IR thermometer - SN: 97050067	X			Ice Cold Packs Dry Ice None
Samples requiring pH preservation at proper pH? Note: Samples for metals analysis may be preserved upon receipt in the lab.	X			Checked @ bench
Samples dechlorinated for parameters requiring chlorine removal at the time of sample collection?	X			↓

If in-house preservation used - record Lot #			
HCL		H ₃ PO ₄	
H ₂ SO ₄		NaOH	
HNO ₃		Other	

Comments:

Were non-conformance issues noted at sample receipt? Yes or No

Non-Conformance issue other than noted above:



Rogers & Callcott
ENVIRONMENTAL



Laboratory Services

Laboratory Report

Client Anderson Co Stormwater Mgt
Jon Batson
731 Michelin Road
Anderson, SC 29626

Work Order: 7030066
Received: 03/01/2017 12:25

Dear Client:

Rogers and Callcott appreciates the opportunity to be of service to you. The attached laboratory services report includes analytical results and chain of custody for samples that were received on March 01, 2017. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements for the TNI standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty is available upon request.

Privileged / Confidential information may be contained in this report and is intended only for the use of the addressee. If you are not the addressee, or the person responsible for delivering to the person addressed, you may not copy or deliver this message to anyone else. If you receive this message by mistake, please notify Rogers and Callcott immediately.

We strive to provide excellent service to our clients. Please contact Lauren Woodrum, your Project Manager, at lauren.woodrum@rogersandcallcott.com or (864)-232-1556 if you have any questions about this report.

Report Approved By:

Lauren Woodrum
Project Manager

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PO Box 5655 | Greenville, SC 29606 | 426 Fairforest Way | Greenville, SC 29607 | main 864.232.1556 | fax 864.232.6140 rogersandcallcott.com
an employee-owned company



South Carolina Greenville Laboratory Identification 23105
 South Carolina Columbia Laboratory Identification 40572
 North Carolina Laboratory Certification Number 27
 North Carolina Drinking Water Lab Number 45710
 NELAP Utah Certificate Number SC000042014-1
 Georgia Drinking Water Lab ID 880

Certificate of Analysis

Client Anderson Co Stormwater Mgt
 Jon Batson
 731 Michelin Road
 Anderson, SC 29626

Work Order: 7030066
Received: 03/01/2017 12:25

Sample Number	Sample Description	Matrix	Sampled	Type
7030066-01	SW-02	Surface Water	02/28/17 14:17	Grab
7030066-02	SW-02	Surface Water	02/28/17 14:17	Grab
7030066-03	SW100	Surface Water	02/28/17 15:00	Grab
7030066-04	SW100	Surface Water	02/28/17 15:00	Grab
7030066-05	Trip Blank	Surface Water	02/28/17 07:48	Grab
7030066-06	Trip Blank	Surface Water	02/28/17 07:48	Grab



Anderson Co Stormwater Mgt
731 Michelin Road
Anderson, SC 29626

Work Order: 7030066
Reported: 03/20/17 15:32

Sample Data

Sample Number 7030066-01
Sample Description SW-02 collected on 02/28/17 14:17

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1.00	03/09/17 19:18	EPA 8260B		LBW	B7C0743
Benzene	11.0	1.0	ug/L	1.00	03/09/17 19:18	EPA 8260B		LBW	B7C0743
Ethylbenzene	1.1	1.0	ug/L	1.00	03/09/17 19:18	EPA 8260B		LBW	B7C0743
m,p-Xylene	8.6	2.0	ug/L	1.00	03/09/17 19:18	EPA 8260B		LBW	B7C0743
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/09/17 19:18	EPA 8260B		LBW	B7C0743
Naphthalene	ND	2.0	ug/L	1.00	03/09/17 19:18	EPA 8260B		LBW	B7C0743
o-Xylene	7.9	1.0	ug/L	1.00	03/09/17 19:18	EPA 8260B		LBW	B7C0743
Toluene	18.6	1.0	ug/L	1.00	03/09/17 19:18	EPA 8260B		LBW	B7C0743
Surrogates				%REC	%REC Limits	Flag			
1,2-Dichloroethane-D4				86	70-130				
4-Bromofluorobenzene				92	70-130				
Toluene-d8				119	70-130				

Sample Number 7030066-02
Sample Description SW-02 collected on 02/28/17 14:17

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	21.9	10.0	ug/L	1.00	03/03/17 13:56	EPA 8260B		RJM	B7C0155
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/03/17 13:56	EPA 8260B		RJM	B7C0155
t-Butyl Formate	ND	50.0	ug/L	1.00	03/03/17 13:56	EPA 8260B		RJM	B7C0155
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/03/17 13:56	EPA 8260B		RJM	B7C0155
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/03/17 13:56	EPA 8260B		RJM	B7C0155
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/03/17 13:56	EPA 8260B		RJM	B7C0155
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/03/17 13:56	EPA 8260B		RJM	B7C0155
Ethanol	ND	50.0	ug/L	1.00	03/03/17 13:56	EPA 8260B		RJM	B7C0155
Surrogates				%REC	%REC Limits	Flag			
1,2-Dichloroethane-D4				100	70-130				
Toluene-D8				107	70-130				
4-Bromofluorobenzene				98	70-130				



Rogers & Callcott

ENVIRONMENTAL

Anderson Co Stormwater Mgt
731 Michelin Road
Anderson, SC 29626

Work Order: 7030066
Reported: 03/20/17 15:32

Sample Number 7030066-03
Sample Description SW100 collected on 02/28/17 15:00

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1.00	03/09/17 19:49	EPA 8260B		LBW	B7C0743
Benzene	ND	1.0	ug/L	1.00	03/09/17 19:49	EPA 8260B		LBW	B7C0743
Ethylbenzene	ND	1.0	ug/L	1.00	03/09/17 19:49	EPA 8260B		LBW	B7C0743
m,p-Xylene	ND	2.0	ug/L	1.00	03/09/17 19:49	EPA 8260B		LBW	B7C0743
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/09/17 19:49	EPA 8260B		LBW	B7C0743
Naphthalene	ND	2.0	ug/L	1.00	03/09/17 19:49	EPA 8260B		LBW	B7C0743
o-Xylene	ND	1.0	ug/L	1.00	03/09/17 19:49	EPA 8260B		LBW	B7C0743
Toluene	ND	1.0	ug/L	1.00	03/09/17 19:49	EPA 8260B		LBW	B7C0743
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				86	70-130				
<i>4-Bromofluorobenzene</i>				92	70-130				
<i>Toluene-d8</i>				119	70-130				

Sample Number 7030066-04
Sample Description SW100 collected on 02/28/17 15:00

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	ND	10.0	ug/L	1.00	03/03/17 14:29	EPA 8260B		RJM	B7C0155
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/03/17 14:29	EPA 8260B		RJM	B7C0155
t-Butyl Formate	ND	50.0	ug/L	1.00	03/03/17 14:29	EPA 8260B		RJM	B7C0155
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/03/17 14:29	EPA 8260B		RJM	B7C0155
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/03/17 14:29	EPA 8260B		RJM	B7C0155
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/03/17 14:29	EPA 8260B		RJM	B7C0155
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/03/17 14:29	EPA 8260B		RJM	B7C0155
Ethanol	ND	50.0	ug/L	1.00	03/03/17 14:29	EPA 8260B		RJM	B7C0155
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				98	70-130				
<i>Toluene-D8</i>				107	70-130				
<i>4-Bromofluorobenzene</i>				96	70-130				



Anderson Co Stormwater Mgt
731 Michelin Road
Anderson, SC 29626

Work Order: 7030066
Reported: 03/20/17 15:32

Sample Number 7030066-05
Sample Description Trip Blank collected on 02/28/17 07:48

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Volatile Organics									
1,2-Dichloroethane	ND	1.0	ug/L	1.00	03/09/17 20:20	EPA 8260B		LBW	B7C0743
Benzene	ND	1.0	ug/L	1.00	03/09/17 20:20	EPA 8260B		LBW	B7C0743
Ethylbenzene	ND	1.0	ug/L	1.00	03/09/17 20:20	EPA 8260B		LBW	B7C0743
m,p-Xylene	ND	2.0	ug/L	1.00	03/09/17 20:20	EPA 8260B		LBW	B7C0743
Methyl tert-butyl ether	ND	2.0	ug/L	1.00	03/09/17 20:20	EPA 8260B		LBW	B7C0743
Naphthalene	ND	2.0	ug/L	1.00	03/09/17 20:20	EPA 8260B		LBW	B7C0743
o-Xylene	ND	1.0	ug/L	1.00	03/09/17 20:20	EPA 8260B		LBW	B7C0743
Toluene	ND	1.0	ug/L	1.00	03/09/17 20:20	EPA 8260B		LBW	B7C0743
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				87	70-130				
<i>4-Bromofluorobenzene</i>				90	70-130				
<i>Toluene-d8</i>				120	70-130				

Sample Number 7030066-06
Sample Description Trip Blank collected on 02/28/17 07:48

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch
Oxygenates									
t-Amyl Alcohol	ND	10.0	ug/L	1.00	03/03/17 15:02	EPA 8260B		RJM	B7C0155
t-Amyl Methyl Ether	ND	10.0	ug/L	1.00	03/03/17 15:02	EPA 8260B		RJM	B7C0155
t-Butyl Formate	ND	50.0	ug/L	1.00	03/03/17 15:02	EPA 8260B		RJM	B7C0155
Di-isopropyl Ether	ND	10.0	ug/L	1.00	03/03/17 15:02	EPA 8260B		RJM	B7C0155
Ethyl tert Butyl Ether	ND	10.0	ug/L	1.00	03/03/17 15:02	EPA 8260B		RJM	B7C0155
3,3-Dimethyl-1-Butanol	ND	10.0	ug/L	1.00	03/03/17 15:02	EPA 8260B		RJM	B7C0155
t-Butyl Alcohol	ND	50.0	ug/L	1.00	03/03/17 15:02	EPA 8260B		RJM	B7C0155
Ethanol	ND	50.0	ug/L	1.00	03/03/17 15:02	EPA 8260B		RJM	B7C0155
Surrogates				%REC	%REC Limits	Flag			
<i>1,2-Dichloroethane-D4</i>				98	70-130				
<i>Toluene-D8</i>				106	70-130				
<i>4-Bromofluorobenzene</i>				96	70-130				



Anderson Co Stormwater Mgt
731 Michelin Road
Anderson, SC 29626

Work Order: 7030066
Reported: 03/20/17 15:32

Data Qualifiers and Definitions

ND Analyte NOT DETECTED at or above the reporting limit
NR Not reported



Rogers & Callcott CHAIN OF CUSTODY RECORD

ENVIRONMENTAL

WORK ORDER 7030066

Mailing Address: PO Box 5655, Greenville, SC 29606
 Shipping Address: 426 Fairforest Way, Greenville, SC 29607
 2158 Stoneridge Drive, Columbia, SC 29210
 Phone (864) 232-1556 Fax (864) 232-6140 Phone (803) 509-8999

Client Name: Anderson County
 Address: 731 Michelin Blvd
Anderson SC 29626
 Report To: Jon Batson
 Email Address: jbatson@andersoncountysc.org
 Telephone #: 864-716-3620
 PO # _____ Project # _____

Total Number of Containers	N	N				Filtered (Yes/No)
	Y	Y				Cooled (Yes/No)
	G	G				Container Type (Plastic/Glass)
	40ml	40ml				Container Volume (mL)
	G	G				Sample Type (Grab/Composite)
	SW	SW				Sample Source (WW, GW, DW, SW, S, Other)
Parameter(s) →	VOA	OXV				Preservation Code(s) A - None E - HCl I - Zn Acetate B - HNO ₃ F - Na ₂ S ₂ O ₃ J - H ₃ PO ₄ C - H ₂ SO ₄ G - Boric Acid K - MCAA D - NaOH H - Ascorbic Acid L - _____
	COMMENTS					

R & C WORK ORDER	YR 12 DATE	TIME	SAMPLE DESCRIPTION
-01-02	2/28	1417	SW-02
-03-01	2/28	1500	SW100
-05-06	2/28	0748	TRIP BLANK

SAMPLER RELINQUISHED BY: 1. <u>Jon Batson</u>	DATE/TIME: 3/11/17 1325	RECEIVED BY: 2. <u>[Signature]</u>	DATE/TIME: 3.1.17 1225	Composite Start Date: _____
RELINQUISHED BY: 3.	DATE/TIME:	RECEIVED BY: 4.	DATE/TIME:	Composite Start Time: _____
RELINQUISHED BY: 5.	DATE/TIME:	RECEIVED BY: 6.	DATE/TIME:	Time or Flow (Circle one) Initials: _____
RELINQUISHED BY: 7.	DATE/TIME:	RECEIVED BY: 8.	DATE/TIME:	Temperature of blank or representative sample At time of collection _____ °C At time of lab receipt <u>3.4</u> °C

Possible Hazards associated with samples: Non-Hazard Flammable Skin Irritant Poison Unknown Other _____ Form Revised July, 2014 Page _____ of _____



Sample Receipt Verification

Client: And Co. Date Received: 3.1.17 Work Order: 7030066
 Carrier Name: Client FedEx UPS US Mail Courier Field Services Other: _____
 Tracking Number: _____

Receipt Criteria	Y e s	N o	N A	Comments
Shipping container / cooler intact?	X			Damaged Leaking Other:
Custody seals intact?			X	
COC included with samples?	X			
COC signed when relinquished and received?	X			
Sample bottles intact?	X			Damaged Leaking Other:
Sample ID on COC agree with label on bottle(s)?	X			
Date / time on COC agree with label on bottle(s)?	X			
Number of bottles on COC agrees with number of bottles received?	X			
Samples received within holding time?	X			
Sample volume sufficient for analysis?	X			
VOA vials free of headspace (<6mm bubble)?	X			
Samples cooled? Temp at receipt recorded on COC Temp measured with IR thermometer - SN: 97050067	X			Ice Cold Packs Dry Ice None
Samples requiring pH preservation at proper pH? Note: Samples for metals analysis may be preserved upon receipt in the lab	X			Checked @ bench
Samples dechlorinated for parameters requiring chlorine removal at the time of sample collection?	X			

If in-house preservation used - record Lot #			
HCL		H ₃ PO ₄	
H ₂ SO ₄		NaOH	
HNO ₃		Other	

Comments:

Were non-conformance issues noted at sample receipt? Yes or No
 Non-Conformance issue other than noted above:



Underground Storage Tank (UST)
Certificate of Financial Responsibility
2600 Bull Street, Columbia, SC 29201-1708

Date Received

Complete and return original form to the Department.
Keep one copy at your UST facility.
Submit completed form to:

UST Financial Responsibility Liaison
SC Department of Health and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201-1708
Telephone (803) 898-0589
Fax (803) 898-0673

State Use Only

I. TANK OWNER

TANK OPERATOR

SGM Moonglo Inc.

(Corporation, Individual, Public Agency, Other)

Corporation

Mailing Address

2120 Pond Branch Road

City

State

Zip Code

Gilbert

SC

29054

Area Code

Telephone Number

Contact Person

803 445 7200

Goldy Singh

II. SITE IDENTIFICATION AND LOCATION (check here if USTs are newly-installed) []

06128

Permit # (UST Site ID #)

SGM Moonglo Inc. DBA Truck Stop 44

Facility Name or Company Site Identifier

2120 Pond Branch Road

Physical Street Address or State Road (as applicable)

Gilbert

SC

29054

Lexington

City

State

Zip

County

III. MECHANISM

Check one or a combination of assurance mechanisms to demonstrate financial responsibility under Subpart H of the South Carolina Underground Storage Tank Control Regulations (SCUSTR). Complete the chart for each mechanism selected. If you intend to use the State Environmental Petroleum Environmental Response Bank (SUPERB) Account (also know as teh state cleanup fund), which is # 1 below, you must select #1 and one or more of the other assurance mechanisms (#s 2-8) to demonstrate the required \$25,000 deductible.

Assurance Mechanisms	Name of Issuer	Amount of Coverage	Period of Coverage
<input type="checkbox"/> 1. State Fund (SUPERB)**	State	Use	Only
<input checked="" type="checkbox"/> 2. Self Insurance	SC	25,000	2017-2018
<input type="checkbox"/> 3. Guarantee			
<input type="checkbox"/> 4. Pollution Insurance or Risk Retention Group			
<input type="checkbox"/> 5. Surety Bond			
<input type="checkbox"/> 6. Letter of Credit			
<input type="checkbox"/> 7. Trust Fund			
<input type="checkbox"/> 8. Local Government Options			

** If you intend to use the state cleanup fund (#1), the SUPERB Account, you must choose # 1 and one or more of the other assurance mechanisms (#s 2 - 8) for the required \$25,000.00 deductible.

IV. CERTIFICATION (Read and sign after completing entire form)

1. Owner or operator (CIRCLE ONE) hereby certifies compliance with the requirements of Subpart H of the SCUSTR, part 280.

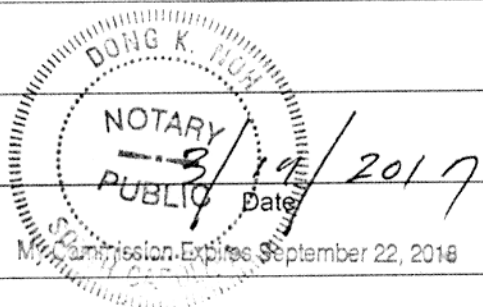
2. *[Signature]* 3.17.2017
 Signature of Owner or Operator Date

3. SGM Moonglo Inc.
 Name of Owner or Operator (type or print)

4. President
 Title

5. *[Signature]*
 Signature of Witness or Notary

6. Dong K. Noh
 Name of Witness or Notary (type or print)



IMPORTANT INFORMATION

The owner or operator must update this certification whenever the financial assurance mechanism(s) used to demonstrate financial responsibility change(s). A copy of the updated certification must be sent to the Department under the following circumstances: (1) you install a new tank system; (2) you have confirmed that there has been a release; (3) you change financial mechanisms; and/or (4) the Environmental Protection Agency or the Department requests your records. No mechanism may require expenditure of funds from the SUPERB Account or the SUPERB Financial Responsibility Fund prior to the exhausting of that mechanism. Financial responsibility must be in place in order for the Department to approve a Permit to Install.