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Tax I.D. 62-0814289

Est. 1970

Mr. Ed Woloszyn
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

Report Summary

Wednesday February 27, 2013

Report Number: L621425
Samples Received: 02/21/13
Client Project: 1054-12-2055

Description: Charlotte Terminal

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Tom Mellette , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS W. February 27, 2013

Mr. Ed Woloszyn
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

Date Received : Th. February 21, 2013
Description : Charlotte Terminal

Sample ID : 2828 WILLOW APT 2

Collected By : Brain Wilson
Collection Date : T. 02/19/13 11:05

ESC Sample # : L621425-01

Site ID :

Project # : 1054-12-2055

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	1.8	5.7 31.0	TO-15	02/26/13	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	< 0.020	< 0.13 41.0	TO-15	02/26/13	1
Chloroform	67-66-3	119	0.020	0.097	0.31	1.5 11.0	TO-15	02/26/13	1
Chloromethane	74-87-3	50.5	0.030	0.062	0.88	1.8 188	TO-15	02/26/13	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080 150	TO-15	02/26/13	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079 420	TO-15	02/26/13	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	< 0.020	< 0.079 126	TO-15	02/26/13	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079 126	TO-15	02/26/13	1
Tetrachloroethylene	127-18-4	166	0.080	0.54	1.9	13. 83.4	TO-15	02/27/13	4
Trichloroethylene	79-01-6	131	0.020	0.11	0.23	1.2 4.30	TO-15	02/26/13	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	0.038	0.097 16.0	TO-15	02/26/13	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070 430	TO-15	02/26/13	1
1,4-Bromofluorobenzene	460-00-4				92.81	% Rec.	TO-15	02/26/13	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
The reported analytical results relate only to the sample submitted.
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REPORT OF ANALYSIS

W., February 27, 2013

Mr. Ed Woloszyn
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

Date Received : Th., February 21, 2013
Description : Charlotte Terminal

Sample ID : BACKGROUND WOODS

Collected By : Brain Wilson
Collection Date : T., 02/19/13 11:17

ESC Sample # : L621425-02

Site ID :

Project # : 1054-12-2055

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3		Method	Date	Dil.
Volatile Organics - TO-15 SIM										
Benzene	71-43-2	78.1	0.020	0.064	0.26	0.83	0.310	TO-15	02/26/13	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.070	0.44	0.410	TO-15	02/26/13	1
Chloroform	67-66-3	119	0.020	0.097	0.021	0.10	0.110	TO-15	02/26/13	1
Chloromethane	74-87-3	50.5	0.030	0.062	0.66	1.4	19.0	TO-15	02/26/13	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	1.50	TO-15	02/26/13	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	42.0	TO-15	02/26/13	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	< 0.020	< 0.079	13.0	TO-15	02/26/13	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	13.0	TO-15	02/26/13	1
Tetrachloroethylene	127-18-4	166	0.020	0.14	0.065	0.44	8.30	TO-15	02/26/13	1
Trichloroethylene	79-01-6	131	0.020	0.11	< 0.020	< 0.11	0.42	TO-15	02/26/13	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	0.160	TO-15	02/26/13	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	42.0	TO-15	02/26/13	1
1,4-Bromofluorobenzene	460-00-4				93.24	% Rec.		TO-15	02/26/13	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
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REPORT OF ANALYSIS

Mr. Ed Woloszyn
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

February 27, 2013

Date Received : February 21, 2013
Description : Charlotte Terminal

Sample ID : 2835 APT 1-WILLOW ST

Collected By : Brain Wilson
Collection Date : 02/19/13 11:35

ESC Sample # : L621425-03

Site ID :

Project # : 1054-12-2055

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.18	0.57	TO-15	02/26/13	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.065	0.41	TO-15	02/26/13	1
Chloroform	67-66-3	119	0.020	0.097	0.021	0.10	TO-15	02/26/13	1
Chloromethane	74-87-3	50.5	0.030	0.062	0.28	0.58	TO-15	02/26/13	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	02/26/13	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	02/26/13	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	02/26/13	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	02/26/13	1
Tetrachloroethylene	127-18-4	166	0.020	0.14	0.057	0.39	TO-15	02/26/13	1
Trichloroethylene	79-01-6	131	0.020	0.11	0.023	0.12	TO-15	02/26/13	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	02/26/13	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	02/26/13	1
1,4-Bromofluorobenzene	460-00-4				90.95	% Rec.	TO-15	02/26/13	1

RDL1 = ppbv , RDL2 = ug/m3
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REPORT OF ANALYSIS

Mr. Ed Woloszyn
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

February 27, 2013

ESC Sample # : L621425-04

Date Received : February 21, 2013
Description : Charlotte Terminal

Site ID :

Sample ID : 2310 OLD STEELE CREEK RD

Project # : 1054-12-2055

Collected By : Brain Wilson
Collection Date : 02/19/13 13:15

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.16	0.51	TO-15	02/26/13	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.026	0.16	TO-15	02/26/13	1
Chloroform	67-66-3	119	0.020	0.097	0.28	1.4	TO-15	02/26/13	1
Chloromethane	74-87-3	50.5	0.030	0.062	0.085	0.18	TO-15	02/26/13	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	02/26/13	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	02/26/13	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	02/26/13	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	02/26/13	1
Tetrachloroethylene	127-18-4	166	0.080	0.54	3.2	22.	TO-15	02/27/13	4
Trichloroethylene	79-01-6	131	0.020	0.11	< 0.020	< 0.11	TO-15	02/26/13	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	02/26/13	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	02/26/13	1
1,4-Bromofluorobenzene	460-00-4				89.35	% Rec.	TO-15	02/26/13	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
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REPORT OF ANALYSIS

Mr. Ed Woloszyn
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

February 27, 2013

ESC Sample # : L621425-05

Date Received : February 21, 2013
Description : Charlotte Terminal

Sample ID : DUP 1 2828 WS apt 2

Site ID :

Project # : 1054-12-2055

Collected By : Brain Wilson
Collection Date : 02/19/13 00:00

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	1.1	3.5	TO-15	02/26/13	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.070	0.44	TO-15	02/26/13	1
Chloroform	67-66-3	119	0.020	0.097	0.11	0.54	TO-15	02/26/13	1
Chloromethane	74-87-3	50.5	0.12	0.25	2.4	5.0	TO-15	02/27/13	4
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	02/26/13	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	02/26/13	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	02/26/13	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	02/26/13	1
Tetrachloroethylene	127-18-4	166	0.020	0.14	0.043	0.29	TO-15	02/26/13	1
Trichloroethylene	79-01-6	131	0.020	0.11	< 0.020	< 0.11	TO-15	02/26/13	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	02/26/13	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	02/26/13	1
1,4-Bromofluorobenzene	460-00-4				95.71	% Rec.	TO-15	02/26/13	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
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REPORT OF ANALYSIS

Mr. Ed Woloszyn
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

February 27, 2013

Date Received : February 21, 2013
Description : Charlotte Terminal

Sample ID : DUP 2 2835 WS Apt 1

Collected By : Brain Wilson
Collection Date : 02/19/13 00:00

ESC Sample # : L621425-06

Site ID :

Project # : 1054-12-2055

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	0.18	0.57	TO-15	02/26/13	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	0.068	0.43	TO-15	02/26/13	1
Chloroform	67-66-3	119	0.020	0.097	< 0.020	< 0.097	TO-15	02/26/13	1
Chloromethane	74-87-3	50.5	0.030	0.062	0.28	0.58	TO-15	02/26/13	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	02/26/13	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	02/26/13	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	02/26/13	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	02/26/13	1
Tetrachloroethylene	127-18-4	166	0.020	0.14	0.059	0.40	TO-15	02/26/13	1
Trichloroethylene	79-01-6	131	0.020	0.11	< 0.020	< 0.11	TO-15	02/26/13	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	02/26/13	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	02/26/13	1
1,4-Bromofluorobenzene	460-00-4				93.83	% Rec.	TO-15	02/26/13	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
Units are based on (STP) - Standard Temperature and Pressure
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REPORT OF ANALYSIS

Mr. Ed Woloszyn
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

February 27, 2013

Date Received : February 21, 2013
Description : Charlotte Terminal

Sample ID : TRIP BLANK

Collected By : Brain Wilson
Collection Date : 02/19/13 00:00

ESC Sample # : L621425-07

Site ID :

Project # : 1054-12-2055

Parameter	Cas#	Mol Wght	RDL1	RDL2	ppbv	ug/m3	Method	Date	Dil.
Volatile Organics - TO-15 SIM									
Benzene	71-43-2	78.1	0.020	0.064	< 0.020	< 0.064	TO-15	02/26/13	1
Carbon tetrachloride	56-23-5	154	0.020	0.13	< 0.020	< 0.13	TO-15	02/26/13	1
Chloroform	67-66-3	119	0.020	0.097	< 0.020	< 0.097	TO-15	02/26/13	1
Chloromethane	74-87-3	50.5	0.030	0.062	< 0.030	< 0.062	TO-15	02/26/13	1
1,1-Dichloroethane	75-34-3	98	0.020	0.080	< 0.020	< 0.080	TO-15	02/26/13	1
1,1-Dichloroethene	75-35-4	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	02/26/13	1
cis-1,2-Dichloroethene	156-59-2	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	02/26/13	1
trans-1,2-Dichloroethene	156-60-5	96.9	0.020	0.079	< 0.020	< 0.079	TO-15	02/26/13	1
Tetrachloroethylene	127-18-4	166	0.020	0.14	< 0.020	< 0.14	TO-15	02/26/13	1
Trichloroethylene	79-01-6	131	0.020	0.11	< 0.020	< 0.11	TO-15	02/26/13	1
Vinyl chloride	75-01-4	62.5	0.020	0.051	< 0.020	< 0.051	TO-15	02/26/13	1
Vinyl acetate	108-05-4	86.1	0.020	0.070	< 0.020	< 0.070	TO-15	02/26/13	1
1,4-Bromofluorobenzene	460-00-4				91.4	% Rec.	TO-15	02/26/13	1

RDL1 = ppbv , RDL2 = ug/m3
Note:
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Summary of Remarks For Samples Printed
02/27/13 at 15:20:51

TSR Signing Reports: 690
R5 - Desired TAT

Sample: L621425-01 Account: SMERLNC Received: 02/21/13 09:00 Due Date: 02/28/13 00:00 RPT Date: 02/27/13 15:20
ship to Charlotte
Sample: L621425-02 Account: SMERLNC Received: 02/21/13 09:00 Due Date: 02/28/13 00:00 RPT Date: 02/27/13 15:20

Sample: L621425-03 Account: SMERLNC Received: 02/21/13 09:00 Due Date: 02/28/13 00:00 RPT Date: 02/27/13 15:20

Sample: L621425-04 Account: SMERLNC Received: 02/21/13 09:00 Due Date: 02/28/13 00:00 RPT Date: 02/27/13 15:20

Sample: L621425-05 Account: SMERLNC Received: 02/21/13 09:00 Due Date: 02/28/13 00:00 RPT Date: 02/27/13 15:20

Sample: L621425-06 Account: SMERLNC Received: 02/21/13 09:00 Due Date: 02/28/13 00:00 RPT Date: 02/27/13 15:20

Sample: L621425-07 Account: SMERLNC Received: 02/21/13 09:00 Due Date: 02/28/13 00:00 RPT Date: 02/27/13 15:20

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YOUR LAB OF CHOICE

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Tax I.D. 62-0814289

Est. 1970

S&ME Inc. - Raleigh NC
Mr. Ed Woloszyn
3201 Spring Forest Road

Raleigh, NC 27616

Quality Assurance Report
Level II

L621425

February 27, 2013

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,1,1-Trichloroethane	< .02	ppb			WG638555	02/26/13 17:21
1,1,2,2-Tetrachloroethane	< .02	ppb			WG638555	02/26/13 17:21
1,1,2-Trichloroethane	< .03	ppb			WG638555	02/26/13 17:21
1,1-Dichloroethane	< .02	ppb			WG638555	02/26/13 17:21
1,1-Dichloroethene	< .02	ppb			WG638555	02/26/13 17:21
1,2-Dibromoethane	< .02	ppb			WG638555	02/26/13 17:21
1,2-Dichloropropane	< .03	ppb			WG638555	02/26/13 17:21
1,4-Dichlorobenzene	< .02	ppb			WG638555	02/26/13 17:21
Benzene	< .02	ppb			WG638555	02/26/13 17:21
Carbon tetrachloride	< .02	ppb			WG638555	02/26/13 17:21
Chloroethane	< .04	ppb			WG638555	02/26/13 17:21
Chloroform	< .02	ppb			WG638555	02/26/13 17:21
Chloromethane	< .03	ppb			WG638555	02/26/13 17:21
cis-1,2-Dichloroethene	< .02	ppb			WG638555	02/26/13 17:21
cis-1,3-Dichloropropene	< .02	ppb			WG638555	02/26/13 17:21
Ethylbenzene	< .03	ppb			WG638555	02/26/13 17:21
Tetrachloroethylene	< .02	ppb			WG638555	02/26/13 17:21
trans-1,2-Dichloroethene	< .02	ppb			WG638555	02/26/13 17:21
trans-1,3-Dichloropropene	< .03	ppb			WG638555	02/26/13 17:21
Trichloroethylene	< .02	ppb			WG638555	02/26/13 17:21
Vinyl acetate	< .02	ppb			WG638555	02/26/13 17:21
Vinyl chloride	< .02	ppb			WG638555	02/26/13 17:21
1,4-Bromofluorobenzene		% Rec.	98.32	60-140	WG638555	02/26/13 17:21

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,1,1-Trichloroethane	ppb	.5	0.473	94.6	70-130	WG638555
1,1,2,2-Tetrachloroethane	ppb	.5	0.566	113.	70-130	WG638555
1,1,2-Trichloroethane	ppb	.5	0.525	105.	70-130	WG638555
1,1-Dichloroethane	ppb	.5	0.538	108.	70-130	WG638555
1,1-Dichloroethene	ppb	.5	0.514	103.	70-130	WG638555
1,2-Dibromoethane	ppb	.5	0.505	101.	70-130	WG638555
1,2-Dichloropropane	ppb	.5	0.598	120.	70-130	WG638555
1,4-Dichlorobenzene	ppb	.5	0.520	104.	70-130	WG638555
Benzene	ppb	.5	0.548	110.	70-130	WG638555
Carbon tetrachloride	ppb	.5	0.443	88.6	70-130	WG638555
Chloroethane	ppb	.5	0.562	112.	70-130	WG638555
Chloroform	ppb	.5	0.502	100.	70-130	WG638555
Chloromethane	ppb	.5	0.575	115.	70-130	WG638555
cis-1,2-Dichloroethene	ppb	.5	0.569	114.	70-130	WG638555
cis-1,3-Dichloropropene	ppb	.5	0.467	93.3	70-130	WG638555
Ethylbenzene	ppb	.5	0.526	105.	70-130	WG638555
Tetrachloroethylene	ppb	.5	0.454	90.8	70-130	WG638555
trans-1,2-Dichloroethene	ppb	.5	0.530	106.	70-130	WG638555
trans-1,3-Dichloropropene	ppb	.5	0.461	92.3	70-130	WG638555
Trichloroethylene	ppb	.5	0.502	100.	70-130	WG638555
Vinyl acetate	ppb	.5	0.484	96.8	70-130	WG638555
Vinyl chloride	ppb	.5	0.505	101.	70-130	WG638555
1,4-Bromofluorobenzene				89.17	60-140	WG638555

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1,1-Trichloroethane	ppb	0.479	0.473	96.0	70-130	1.32	25	WG638555
1,1,2,2-Tetrachloroethane	ppb	0.594	0.566	119.	70-130	4.82	25	WG638555
1,1,2-Trichloroethane	ppb	0.537	0.525	107.	70-130	2.23	25	WG638555
1,1-Dichloroethane	ppb	0.546	0.538	109.	70-130	1.58	25	WG638555
1,1-Dichloroethene	ppb	0.526	0.514	105.	70-130	2.37	25	WG638555

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Tax I.D. 62-0814289

Est. 1970

S&ME Inc. - Raleigh NC
Mr. Ed Woloszyn
3201 Spring Forest Road

Raleigh, NC 27616

Quality Assurance Report
Level II

L621425

February 27, 2013

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,2-Dibromoethane	**ppb**	**0.513**	**0.505**	**103.**	**70-130**	**1.56**	**25**	**WG638555**
1,2-Dichloropropane	ppb	0.616	0.598	123.	70-130	2.99	25	WG638555
1,4-Dichlorobenzene	ppb	0.534	0.520	107.	70-130	2.74	25	WG638555
Benzene	**ppb**	**0.565**	**0.548**	**113.**	**70-130**	**3.04**	**25**	**WG638555**
Carbon tetrachloride	ppb	0.452	0.443	90.0	70-130	1.98	25	WG638555
Chloroethane	ppb	0.563	0.562	113.	70-130	0.160	25	WG638555
Chloroform	**ppb**	**0.509**	**0.502**	**102.**	**70-130**	**1.41**	**25**	**WG638555**
Chloromethane	ppb	0.586	0.575	117.	70-130	1.82	25	WG638555
cis-1,2-Dichloroethene	ppb	0.536	0.569	107.	70-130	6.12	25	WG638555
cis-1,3-Dichloropropene	**ppb**	**0.482**	**0.467**	**96.0**	**70-130**	**3.18**	**25**	**WG638555**
Ethylbenzene	ppb	0.553	0.526	111.	70-130	5.07	25	WG638555
Tetrachloroethylene	ppb	0.467	0.454	93.0	70-130	2.86	25	WG638555
trans-1,2-Dichloroethene	**ppb**	**0.539**	**0.530**	**108.**	**70-130**	**1.80**	**25**	**WG638555**
trans-1,3-Dichloropropene	ppb	0.470	0.461	94.0	70-130	1.74	25	WG638555
Trichloroethylene	ppb	0.517	0.502	103.	70-130	2.99	25	WG638555
Vinyl acetate	**ppb**	**0.492**	**0.484**	**98.0**	**70-130**	**1.66**	**25**	**WG638555**
Vinyl chloride	ppb	0.513	0.505	102.	70-130	1.55	25	WG638555
1,4-Bromofluorobenzene				89.71	60-140			WG638555

Batch number /Run number / Sample number cross reference

WG638555: R2560037: L621425-01 02 03 04 05 06 07

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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3201 Spring Forest Road

Raleigh, NC 27616

Quality Assurance Report
Level II

L621425

February 27, 2013

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

S&ME Inc. - Raleigh NC

3201 Spring Forest Road
Raleigh,NC 27616

Billing information:

Melinda Fletcher
3201 Spring Forest Road

Raleigh,NC 27616

Report to: Mr. Ed Woloszyn

Email: EWoloszyn@smeinc.com,RSn

Project Description: Charlotte Terminal

City/State Collected: Charlotte, NC

Phone: (919) 872-2660
FAX: (919) 790-9827

Client Project #: 1054-12-2055

Lab Project #: SMERLNC-1054122055

Collected by (print): Brian Wilson

Site/Facility ID#:

P.O.#: 1054

Collected by (signature): Immediately Packed on Ice N X Y ___

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day.....100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X Yes
FAX? ___No ___Yes

Analysis/Container/Preservative

Chain of Custody
Page ___ of ___

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Fax: (615) 758-5859

L621425

(lab use only)
Acctnum: SMERLNC
Template/Prelogin: T82968/ P420551
Cooler #: 2.14
Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	~~SUMMA Summa~~	TO-15SIM Summa						Remarks/Contaminant	Sample # (lab only)
2828 Willow Apt 2	GRAB	Air	Sub Slab	2/19/13	1105	12	X	X						See attached	-01
BACKGROUND - WOODS		Air	Surface	2/19/13	1117	12	X	X						Sheet for Compound	02
2835 APT 1 - Willow St.		Air	Crawl	2/19/13	1135	12	X	X						List & desired	03
2310 Old Steele Creek Rd		Air	Sub Slab	2/19/13	1315	12	X	X						Detection limits	04
DUP #1		Air	—	2/19/13	—	12	X	X							05
DUP #2		Air	—	2/19/13	—	12	X	X							06
		~~Air~~		~~2/19/13~~	—	~~2~~	~~X~~	~~X~~							
TRIP BLANK	LAB. Prep.	Air	—	2/19/13	—	12	X	X							07

*Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____

Remarks:

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ____	Condition: (lab use only)
Brian Wilson	2/20/13	1530			OK
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: Amb. Bottles Received:	COC Seal Intact: ___Y ___N ✓NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 2/21/13 Time: 0900	pH Checked: NCF:

#	Compound	CAS No.	Acceptable Indoor Air Concentration (Cia) µg/m^3 Residential	Rationale for Inclusion in Compound List
1	Tetrachloroethylene (PCE)	127-18-4	8.30	detected in GW
2	Trichloroethylene (TCE)	79-01-6	0.42	detected in GW
3	Dichloroethylene, 1,2-cis- (cis-1,2-DCE)	156-59-2	13.0	detected in GW
4	Vinyl Chloride (VC)	75-01-4	0.160	detected in GW
5	Benzene	71-43-2	0.310	detected in GW
6	Bromodichloromethane	75-27-4	0.0660	detected in GW
7	Carbon Tetrachloride (CT)	56-23-5	0.410	detected in GW
8	Dibromochloromethane (Chlorodibromomethane)	124-48-1	0.0900	detected in GW
9	Chloroform (CF)	67-66-3	0.110	degradation product
10	Methylene Chloride (Dichloromethane) (DCM)	75-09-2	96.0	degradation product
11	Chloromethane (Methyl Chloride) (MC)	74-87-3	19.0	degradation product
12	Dichloroethylene, 1,2-trans- (trans-1,2-DCE)	156-60-5	13.0	degradation product
13	Dichloroethylene, 1,1- (1,1-DCE)	75-35-4	42.0	degradation product
14	Dichloroethane, 1,2- (1,2-DCA)	107-06-2	0.0940	degradation product
15	Dichloroethane, 1,1- (1,1-DCA)	75-34-3	1.50	degradation product

Note: cis-1,2-DCE does not have an Acceptable Indoor Air Concentration. trans-1,2-DCE's Acceptable Indoor Air Concentration has been used to provide a Desired Detection Limit to the Analytical Laboratory.