

APPENDIX B
Laboratory Analytical Reports

Friedman & Bruya, Inc. #701288

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

February 6, 2007

John Funderburk, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Funderburk:

Included are the results from the testing of material submitted on January 30, 2007 from the SOU_0566-001-01_20070130, F&BI 701288 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SOU0206R

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 30, 2007 by Friedman & Bruya, Inc. from the Sound Environmental Strategies SOU_0566-001-01_20070130, F&BI 701288 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID
701288-01

Sound Environmental Strategies
Seep-20070130

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Seep-20070130	Client: Sound Environmental Strategies
Date Received: 01/30/07	Project: SOU_0566-001-01_20070130, F&BI 701288
Date Extracted: 01/31/07	Lab ID: 701288-01
Date Analyzed: 01/31/07	Data File: 013108.D
Matrix: Water	Instrument: GCMS4
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	107	64	114
1,2-Dichloroethane-d4	108	61	115
Toluene-d8	101	61	114
4-Bromofluorobenzene	107	56	127

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	180 ve
Chloroethane	<1
1,1-Dichloroethene	2.9
Methylene chloride	<5
trans-1,2-Dichloroethene	18
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	2,700 ve
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	990 ve
Tetrachloroethene	1,000 ve

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration is an estimate.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	Seep-20070130	Client:	Sound Environmental Strategies
Date Received:	01/30/07	Project:	SOU_0566-001-01_20070130, F&BI 701288
Date Extracted:	01/31/07	Lab ID:	701288-01 1/200
Date Analyzed:	01/31/07	Data File:	013112.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	103	64	114
1,2-Dichloroethane-d4	106	61	115
Toluene-d8	99	61	114
4-Bromofluorobenzene	104	56	127

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	170
Chloroethane	<200
1,1-Dichloroethene	<200
Methylene chloride	<1,000
trans-1,2-Dichloroethene	<200
1,1-Dichloroethane	<200
cis-1,2-Dichloroethene	3,100
1,2-Dichloroethane (EDC)	<200
1,1,1-Trichloroethane	<200
Trichloroethene	980
Tetrachloroethene	900

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution.

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Method Blank	Client: Sound Environmental Strategies
Date Received: Not Applicable	Project: SOU_0566-001-01_20070130, F&BI 701288
Date Extracted: 01/31/07	Lab ID: 07-148 mb
Date Analyzed: 01/31/07	Data File: 013104.D
Matrix: Water	Instrument: GCMS4
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	80	64	114
1,2-Dichloroethane-d4	80	61	115
Toluene-d8	78	61	114
4-Bromofluorobenzene	85	56	127

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/06/07

Date Received: 01/30/07

Project: SOU_0566-001-01_20070130, F&BI 701288

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR VOLATILES BY EPA METHOD 8260B**

Laboratory Code: 701277-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
1,1-Dichloroethene	ug/L (ppb)	<1	<1	nm
Methylene chloride	ug/L (ppb)	<5	<5	nm
trans-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethane	ug/L (ppb)	<1	<1	nm
cis-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,2-Dichloroethane (EDC)	ug/L (ppb)	<1	<1	nm
1,1,1-Trichloroethane	ug/L (ppb)	<1	<1	nm
Trichloroethene	ug/L (ppb)	<1	<1	nm
Tetrachloroethene	ug/L (ppb)	<1	<1	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
1,1-Dichloroethene	ug/L (ppb)	50	86	82	48-135	5
Methylene chloride	ug/L (ppb)	50	94	91	70-110	3
trans-1,2-Dichloroethene	ug/L (ppb)	50	90	83	78-120	8
1,1-Dichloroethane	ug/L (ppb)	50	90	84	74-121	7
cis-1,2-Dichloroethene	ug/L (ppb)	50	99	94	79-124	5
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	91	88	70-122	3
1,1,1-Trichloroethane	ug/L (ppb)	50	93	88	78-123	6
Trichloroethene	ug/L (ppb)	50	95	89	74-118	7
Tetrachloroethene	ug/L (ppb)	50	101	94	79-117	7

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

vi

Send Report To David Buser/cc: John
Company Sound Environmental Strategies
Address 2400 Airport Way South, Ste. 200
City, State, ZIP Seattle, WA 98134
Phone # (206) 306-1900 Fax # (206) 306-1907

SAMPLERS (signature) *DL m B*

PROJECT NAME/NO.
Former Olympia Dry Cleaners
(ODC)

REMARKS
Please call David Buser w/ any questions

PO # 0566-001-100-9950

1a-10a-9950

GEMS Y (N)

Page # _____

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TURNAROUND TIME

TURNAROUND TIME

☐ Standard (2 Weeks)

~~BRUSH~~ 5-day

Rush charges authorized by: *D.S.*

SAMPLE DISPOSAL

☒ Dispose after 30 days

- Return samples

☐ Will call with instructions

[illegible]

Friedman & Bruya, Inc.
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE

Relinquished by:

Received by:

Relinquished by:

Received by:

PRINT NAME: _____

ATTORNEY AT LAW
Pfe Kingston

Nhan Phan

COMPANY

585

FLBT

THE

DATE _____

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Elly

Friedman & Bruya, Inc. #702270

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
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3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

March 6, 2007

David Buser and John Funderburk, Project Managers
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Buser and Mr. Funderburk:

Included are the results from the testing of material submitted on February 26, 2007 from the SOU_0566-001-01_20070226, F&BI 702270 project. There are 10 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SOU0306R

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 26, 2007 by Friedman & Bruya, Inc. from the Sound Environmental Strategies SOU_0566-001-01_20070226, F&BI 702270 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Sound Environmental Strategies</u>
702270-01	CB-ODC
702270-02	BT-Pre
702270-03	BT-Post
702270-04	Seep-20070224

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: CB-ODC	Client: Sound Environmental Strategies
Date Received: 02/26/07	Project: SOU_0566-001-01_20070226, F&BI 702270
Date Extracted: 02/27/07	Lab ID: 702270-01 1/100
Date Analyzed: 02/27/07	Data File: 022708.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	92	75	125
1,2-Dichloroethane-d4	96	67	133
Toluene-d8	97	79	129
4-Bromofluorobenzene	108	76	145

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<20
Chloroethane	<100
1,1-Dichloroethene	<100
Methylene chloride	<500
trans-1,2-Dichloroethene	<100
1,1-Dichloroethane	<100
cis-1,2-Dichloroethene	<100
1,2-Dichloroethane (EDC)	<100
1,1,1-Trichloroethane	<100
Trichloroethene	<100
Tetrachloroethene	<100

Note: The reporting limit for vinyl chloride is equal to the MDL.

Note: The sample was diluted due to matrix effects.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	BT-Pre	Client:	Sound Environmental Strategies
Date Received:	02/26/07	Project:	SOU_0566-001-01_20070226, F&BI 702270
Date Extracted:	02/27/07	Lab ID:	702270-02
Date Analyzed:	02/27/07	Data File:	022706.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	92	75	125
1,2-Dichloroethane-d4	95	67	133
Toluene-d8	97	79	129
4-Bromofluorobenzene	108	76	145

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	4.6
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	3.5
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	690 ve
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	490 ve
Tetrachloroethene	950 ve

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration is an estimate.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: BT-Pre	Client: Sound Environmental Strategies
Date Received: 02/26/07	Project: SOU_0566-001-01_20070226, F&BI 702270
Date Extracted: 02/27/07	Lab ID: 702270-02 1/100
Date Analyzed: 02/27/07	Data File: 022712.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	91	75	125
1,2-Dichloroethane-d4	95	67	133
Toluene-d8	97	79	129
4-Bromofluorobenzene	108	76	145

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<20
Chloroethane	<100
1,1-Dichloroethene	<100
Methylene chloride	<500
trans-1,2-Dichloroethene	<100
1,1-Dichloroethane	<100
cis-1,2-Dichloroethene	580
1,2-Dichloroethane (EDC)	<100
1,1,1-Trichloroethane	<100
Trichloroethene	420
Tetrachloroethene	760

Note: The reporting limit for vinyl chloride is equal to the MDL.

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: BT-Post	Client: Sound Environmental Strategies
Date Received: 02/26/07	Project: SOU_0566-001-01_20070226, F&BI 702270
Date Extracted: 02/27/07	Lab ID: 702270-03 1/50
Date Analyzed: 02/27/07	Data File: 022711.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	91	75	125
1,2-Dichloroethane-d4	95	67	133
Toluene-d8	97	79	129
4-Bromofluorobenzene	109	76	145

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<10
Chloroethane	<50
1,1-Dichloroethene	<50
Methylene chloride	<250
trans-1,2-Dichloroethene	<50
1,1-Dichloroethane	<50
cis-1,2-Dichloroethene	<50
1,2-Dichloroethane (EDC)	<50
1,1,1-Trichloroethane	<50
Trichloroethene	<50
Tetrachloroethene	190

Note: The reporting limit for vinyl chloride is equal to the MDL.

Note: The sample was diluted due to sample matrix effects. Detection limits are raised due to dilution.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	Seep-20070224	Client:	Sound Environmental Strategies
Date Received:	02/26/07	Project:	SOU_0566-001-01_20070226, F&BI 702270
Date Extracted:	02/27/07	Lab ID:	702270-04
Date Analyzed:	02/27/07	Data File:	022709.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	92	75	125
1,2-Dichloroethane-d4	96	67	133
Toluene-d8	97	79	129
4-Bromofluorobenzene	108	76	145

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	46
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	4.8
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	920 ve
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	300 ve
Tetrachloroethene	340 ve

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration is an estimate.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	Seep-20070224	Client:	Sound Environmental Strategies
Date Received:	02/26/07	Project:	SOU_0566-001-01_20070226, F&BI 702270
Date Extracted:	02/27/07	Lab ID:	702270-04 1/100
Date Analyzed:	02/27/07	Data File:	022713.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	92	75	125
1,2-Dichloroethane-d4	95	67	133
Toluene-d8	97	79	129
4-Bromofluorobenzene	109	76	145

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	38
Chloroethane	<100
1,1-Dichloroethene	<100
Methylene chloride	<500
trans-1,2-Dichloroethene	<100
1,1-Dichloroethane	<100
cis-1,2-Dichloroethene	770
1,2-Dichloroethane (EDC)	<100
1,1,1-Trichloroethane	<100
Trichloroethene	270
Tetrachloroethene	280

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	Not Applicable	Project:	SOU_0566-001-01_20070226, F&BI 702270
Date Extracted:	02/27/07	Lab ID:	07-293 mb
Date Analyzed:	02/27/07	Data File:	022705.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	91	75	125
1,2-Dichloroethane-d4	97	67	133
Toluene-d8	97	79	129
4-Bromofluorobenzene	109	76	145

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/06/07

Date Received: 02/26/07

Project: SOU_0566-001-01_20070226, F&BI 702270

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: 702254-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	ug/L (ppb)	<0.2	<0.2	nm
Chloroethane	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethene	ug/L (ppb)	<1	<1	nm
Methylene chloride	ug/L (ppb)	<5	<5	nm
trans-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethane	ug/L (ppb)	<1	<1	nm
cis-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,2-Dichloroethane (EDC)	ug/L (ppb)	<1	<1	nm
1,1,1-Trichloroethane	ug/L (ppb)	<1	<1	nm
Trichloroethene	ug/L (ppb)	40	39	2
Tetrachloroethene	ug/L (ppb)	<1	<1	nm

Laboratory Code: 702254-15 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	50	<0.2	97	50-150
Chloroethane	ug/L (ppb)	50	<1	100	50-150
1,1-Dichloroethene	ug/L (ppb)	50	<1	96	49-130
Methylene chloride	ug/L (ppb)	50	<5	97	66-126
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	97	67-104
1,1-Dichloroethane	ug/L (ppb)	50	<1	100	67-126
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	96	83-112
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	101	56-137
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	99	63-134
Trichloroethene	ug/L (ppb)	50	<1	76	75-117
Tetrachloroethene	ug/L (ppb)	50	<1	95	71-128

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/06/07

Date Received: 02/26/07

Project: SOU_0566-001-01_20070226, F&BI 702270

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR VOLATILES BY EPA METHOD 8260B**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	50	90	45-168
Chloroethane	ug/L (ppb)	50	100	28-161
1,1-Dichloroethene	ug/L (ppb)	50	89	48-136
Methylene chloride	ug/L (ppb)	50	96	70-110
trans-1,2-Dichloroethene	ug/L (ppb)	50	96	78-121
1,1-Dichloroethane	ug/L (ppb)	50	98	75-121
cis-1,2-Dichloroethene	ug/L (ppb)	50	98	79-125
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	101	71-123
1,1,1-Trichloroethane	ug/L (ppb)	50	96	78-124
Trichloroethene	ug/L (ppb)	50	96	74-119
Tetrachloroethene	ug/L (ppb)	50	98	79-117

7C 270
Send Report To David Buxer / cc: John Funderbur SA

SAMPLE CH N OF CUSTODY

ME 02-26-07

61

SAMPLERS (signature)

Send Report To David Buser / cc: John Funkebar

Company Social Environmental Strategies

Address 2400 Airport Way South, Ste. 200

City, State, ZIP Seattle, WA 98134

Phone # (206) 306-1900 Fax # (206) 306-1907

PO #

Former Olympia Dry Cleaners

REMARKS

Please call David Buser or
John Funderburg w/ questions

GEMS Y (N)

TURNAROUND TIME

☐ Standard (2 Weeks)

~~✶~~RUSH See Notes below
Rush charges authorized by:

SAMPLE DISPOSAL.

☒ Dispose after 30 days

☐ Return samples

☐ Will call with instructions[illegible]

Friedman & Bruya, Inc.
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\SESGEMSRI.DOC (Revision 4)

SIGNATURE

Relinquished by:

25

Received by:

Relinquished

NOTHING BUT THE TRUTH

Received by

PRINT NAME: _____

David M. Buser

Andreas Liljegren

22/05/2022

COMPANY

575

575

124

TIME

1030

100

102

Friedman & Bruya, Inc. #703111

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

March 28, 2007

John Funderburk and David Buser, Project Managers
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Funderburk and Mr. Buser:

Included are the results from the testing of material submitted on March 13, 2007 from the SOU_0566-001-01_20070313, F&BI 703111 project. There are 8 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SOU0328R

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on March 13, 2007 by Friedman & Bruya, Inc. from the Sound Environmental Strategies SOU_0566-001-01_20070313, F&BI 703111 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID
703111-01

Sound Environmental Strategies
Seep-20070312

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Seep-20070312	Client: Sound Environmental Strategies
Date Received: 03/13/07	Project: SOU_0566-001-01_20070313, F&BI 703111
Date Extracted: 03/14/07	Lab ID: 703111-01
Date Analyzed: 03/14/07	Data File: 031418.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	96	75	125
1,2-Dichloroethane-d4	101	67	133
Toluene-d8	99	79	129
4-Bromofluorobenzene	104	76	145

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	3.7
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	800 ve
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	280 ve
Tetrachloroethene	340 ve

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration is an estimate.

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Seep-20070312	Client: Sound Environmental Strategies
Date Received: 03/13/07	Project: SOU_0566-001-01_20070313, F&BI 703111
Date Extracted: 03/20/07	Lab ID: 703111-01 1/100
Date Analyzed: 03/21/07	Data File: 032024.D
Matrix: Water	Instrument: GCMS4
Units: ug/L (ppb)	Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	82	64	114
1,2-Dichloroethane-d4	84	61	115
Toluene-d8	82	61	114
4-Bromofluorobenzene	81	56	127

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<20
Chloroethane	<100
1,1-Dichloroethene	<100
Methylene chloride	<500
trans-1,2-Dichloroethene	<100
1,1-Dichloroethane	<100
cis-1,2-Dichloroethene	790
1,2-Dichloroethane (EDC)	<100
1,1,1-Trichloroethane	<100
Trichloroethene	280
Tetrachloroethene	300

Note: The sample was diluted due to the presence of high levels of material. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Method Blank	Client: Sound Environmental Strategies
Date Received: Not Applicable	Project: SOU_0566-001-01_20070313, F&BI 703111
Date Extracted: 03/14/07	Lab ID: 07-355 mb
Date Analyzed: 03/14/07	Data File: 031404.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	95	75	125
1,2-Dichloroethane-d4	102	67	133
Toluene-d8	101	79	129
4-Bromofluorobenzene	105	76	145

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Method Blank	Client: Sound Environmental Strategies
Date Received: Not Applicable	Project: SOU_0566-001-01_20070313, F&BI 703111
Date Extracted: 03/20/07	Lab ID: 07-382 mb
Date Analyzed: 03/20/07	Data File: 032015.D
Matrix: Water	Instrument: GCMS4
Units: ug/L (ppb)	Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	81	64	114
1,2-Dichloroethane-d4	81	61	115
Toluene-d8	82	61	114
4-Bromofluorobenzene	80	56	127

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/28/07

Date Received: 03/13/07

Project: SOU_0566-001-01_20070313, F&BI 703111

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: 703115-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	ug/L (ppb)	<0.2	<0.2	nm
Chloroethane	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethene	ug/L (ppb)	<1	<1	nm
Methylene chloride	ug/L (ppb)	<5	<5	nm
trans-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethane	ug/L (ppb)	2.3	2.1	9
cis-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,2-Dichloroethane (EDC)	ug/L (ppb)	<1	<1	nm
1,1,1-Trichloroethane	ug/L (ppb)	<1	<1	nm
Trichloroethene	ug/L (ppb)	<1	<1	nm
Tetrachloroethene	ug/L (ppb)	<1	<1	nm

Laboratory Code: 703115-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	50	<0.2	88	50-150
Chloroethane	ug/L (ppb)	50	<1	107	50-150
1,1-Dichloroethene	ug/L (ppb)	50	<1	72	49-130
Methylene chloride	ug/L (ppb)	50	<5	76	66-126
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	84	67-104
1,1-Dichloroethane	ug/L (ppb)	50	<1	76	67-126
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	77	83-112
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	82	56-137
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	86	63-134
Trichloroethene	ug/L (ppb)	50	<1	79	75-117
Tetrachloroethene	ug/L (ppb)	50	<1	83	71-128

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

Date of Report: 03/28/07

Date Received: 03/13/07

Project: SOU_0566-001-01_20070313, F&BI 703111

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR VOLATILES BY EPA METHOD 8260B**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent	Acceptance Criteria
			Recovery LCS	
Vinyl chloride	ug/L (ppb)	50	73	45-168
Chloroethane	ug/L (ppb)	50	97	28-161
1,1-Dichloroethene	ug/L (ppb)	50	67	48-136
Methylene chloride	ug/L (ppb)	50	82	70-110
trans-1,2-Dichloroethene	ug/L (ppb)	50	86	78-121
1,1-Dichloroethane	ug/L (ppb)	50	85	75-121
cis-1,2-Dichloroethene	ug/L (ppb)	50	89	79-125
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	92	71-123
1,1,1-Trichloroethane	ug/L (ppb)	50	87	78-124
Trichloroethene	ug/L (ppb)	50	87	74-119
Tetrachloroethene	ug/L (ppb)	50	87	79-117

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/28/07

Date Received: 03/13/07

Project: SOU_0566-001-01_20070313, F&BI 703111

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: 703150-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	50	<0.2	100	50-150
Chloroethane	ug/L (ppb)	50	<1	104	50-150
1,1-Dichloroethene	ug/L (ppb)	50	<1	108	50-150
Methylene chloride	ug/L (ppb)	50	<5	110	50-150
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	105	50-150
1,1-Dichloroethane	ug/L (ppb)	50	<1	105	50-150
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	104	50-150
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	108	50-150
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	110	50-150
Trichloroethene	ug/L (ppb)	50	<1	101	50-150
Tetrachloroethene	ug/L (ppb)	50	<1	99	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	50	98	98	51-154	1
Chloroethane	ug/L (ppb)	50	102	100	50-152	2
1,1-Dichloroethene	ug/L (ppb)	50	103	104	36-133	1
Methylene chloride	ug/L (ppb)	50	97	96	66-120	0
trans-1,2-Dichloroethene	ug/L (ppb)	50	102	102	66-109	0
1,1-Dichloroethane	ug/L (ppb)	50	103	103	66-110	0
cis-1,2-Dichloroethene	ug/L (ppb)	50	102	103	75-119	1
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	98	99	69-112	1
1,1,1-Trichloroethane	ug/L (ppb)	50	106	105	70-114	1
Trichloroethene	ug/L (ppb)	50	98	98	76-118	0
Tetrachloroethene	ug/L (ppb)	50	100	100	74-118	0

Note: The calibration verification result for vinyl chloride exceeded 15% deviation. The average deviation for all compounds was not greater than 15%, therefore the calibration is considered valid. This applies to the sample 703111-01 1/100.

SAMPLE CHAIN OF CUSTODY

ME ~~Q34B14~~ 03/13/07 VI

SAMPLERS (nature)	DL M/B
PROJECT NAME/NO.	PO # 0566001-01
Former Olympia Dry Cleaners #	
REMARKS Please call D. Buser or J. Funderburk w/ any questions.	

TURNAROUND TIME ☐ Standard (2 Weeks) ☒ RUSH <u>5-day</u> Rush charges authorized by: _____	SAMPLE DISPOSAL ☒ Dispose after 30 days ☐ Return samples ☐ Will call with instructions
---	---

[illegible]

FORMS\COC\COC.DOC

Samples received at 5 °C

Friedman & Bruya, Inc. #703155

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

April 4, 2007

John Funderburk and David Buser, Project Managers
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Funderburk and Mr. Buser:

Included are the results from the testing of material submitted on March 16, 2007 from the SOU_0566-001-01_20070316, F&BI 703155 project. There are 3 pages included in this report. Sample DW-20070315 was sent to Analytical Resources, Inc. for COD analysis. Review of the enclosed report indicates that all quality assurance was acceptable.

Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SOU0404R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Supply Well-20070315	Client: Sound Environmental Strategies
Date Received: 03/16/07	Project: SOU_0566-001-01_20070316, F&BI 703155
Date Extracted: 03/20/07	Lab ID: 703155-02
Date Analyzed: 03/21/07	Data File: 032019.D
Matrix: Water	Instrument: GCMS4
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	82	64	114
1,2-Dichloroethane-d4	86	61	115
Toluene-d8	82	61	114
4-Bromofluorobenzene	81	56	127

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Method Blank	Client: Sound Environmental Strategies
Date Received: Not Applicable	Project: SOU_0566-001-01_20070316, F&BI 703155
Date Extracted: 03/20/07	Lab ID: 07-382 mb
Date Analyzed: 03/20/07	Data File: 032015.D
Matrix: Water	Instrument: GCMS4
Units: ug/L (ppb)	Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	81	64	114
1,2-Dichloroethane-d4	81	61	115
Toluene-d8	82	61	114
4-Bromofluorobenzene	80	56	127

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/04/07

Date Received: 03/16/07

Project: SOU_0566-001-01_20070316, F&BI 703155

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: 703150-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	50	<0.2	100	50-150
Chloroethane	ug/L (ppb)	50	<1	104	50-150
1,1-Dichloroethene	ug/L (ppb)	50	<1	108	50-150
Methylene chloride	ug/L (ppb)	50	<5	110	50-150
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	105	50-150
1,1-Dichloroethane	ug/L (ppb)	50	<1	105	50-150
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	104	50-150
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	108	50-150
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	110	50-150
Trichloroethene	ug/L (ppb)	50	<1	101	50-150
Tetrachloroethene	ug/L (ppb)	50	<1	99	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	50	98	98	51-154	1
Chloroethane	ug/L (ppb)	50	102	100	50-152	2
1,1-Dichloroethene	ug/L (ppb)	50	103	104	36-133	1
Methylene chloride	ug/L (ppb)	50	97	96	66-120	0
trans-1,2-Dichloroethene	ug/L (ppb)	50	102	102	66-109	0
1,1-Dichloroethane	ug/L (ppb)	50	103	103	66-110	0
cis-1,2-Dichloroethene	ug/L (ppb)	50	102	103	75-119	1
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	98	99	69-112	1
1,1,1-Trichloroethane	ug/L (ppb)	50	106	105	70-114	1
Trichloroethene	ug/L (ppb)	50	98	98	76-118	0
Tetrachloroethene	ug/L (ppb)	50	100	100	74-118	0

Note: The calibration verification result for vinyl chloride exceeded 15% deviation. The average deviation for all compounds was not greater than 15%, therefore the calibration is considered valid. This applies to the sample 703111-01 1/100.

RECEIVED
APR 04 2007

ANALYTICAL
RESOURCES
INCORPORATED 

March 28, 2007

Mike Erdahl
Friedman & Bruya
3012 - 16th Avenue West
Seattle, WA 9819-2029

Project: 703155 PO# H-805
ARI Job: KS12

Dear Mike:

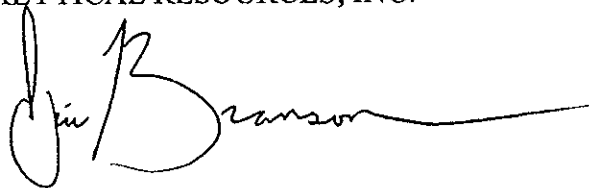
Please find enclosed the original chain of custody record and analytical results for the samples from the project referenced above. Analytical Resources, Inc. accepted one water sample in good condition on March 20, 2007.

The sample was analyzed for Chemical Oxygen Demand (EPA Method 410.4), as requested on the *Chain of Custody*.

The analysis proceeded free of irregularities.

Quality control analysis results are included for your review. Copies of the reports and all associated raw data will be kept on file electronically at ARI. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,
ANALYTICAL RESOURCES, INC.

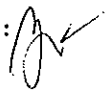


Eric Branson
Junior Project Manager
(206) 695-6213
eric@arilabs.com
www.arilabs.com

Enclosures

SAMPLE RESULTS-CONVENTIONALS
KS12-Friedman & Bruya, Inc.



Matrix: Water
Data Release Authorized: 
Reported: 03/28/07

Project: 703155
Event: H-805
Date Sampled: 03/15/07
Date Received: 03/20/07

Client ID: DW-20070315
ARI ID: 07-4809 KS12A

Analyte	Date Batch	Method	Units	RL	Sample
Chemical Oxygen Demand	03/26/07 032607#1	EPA 410.4	mg/L	5.00	< 5.00 U

RL Analytical reporting limit
U Undetected at reported detection limit

MS/MSD RESULTS-CONVENTIONALS
KS12-Friedman & Bruya, Inc.



Matrix: Water
Data Release Authorized 
Reported: 03/28/07

Project: 703155
Event: H-805
Date Sampled: 03/15/07
Date Received: 03/20/07

Analyte	Method	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: KS12A Client ID: DW-20070315							
Chemical Oxygen Demand	EPA 410.4	03/26/07	mg/L	< 5.00	41.4	38.0	108.9%

REPLICATE RESULTS-CONVENTIONALS
KS12-Friedman & Bruya, Inc.

ANALYTICAL
RESOURCES
INCORPORATED 

Matrix: Water
Data Release Authorized 
Reported: 03/28/07

Project: 703155
Event: H-805
Date Sampled: 03/15/07
Date Received: 03/20/07

Analyte	Method	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: KS12A Client ID: DW-20070315						
Chemical Oxygen Demand	EPA 410.4	03/26/07	mg/L	< 5.00	< 5.00	NA

Data Release Authorized: 
Reported: 03/28/07

Event: H-805
Date Sampled: NA
Date Received: NA

Analyte	Method	Date	Units	Blank
Chemical Oxygen Demand	EPA 410.4	03/26/07	mg/L	< 5.00 U

Water Method Blank Report-KS12

STANDARD REFERENCE RESULTS-CONVENTIONALS
KS12-Friedman & Bruya, Inc.



Matrix: Water
Data Release Authorized: *[Signature]*
Reported: 03/28/07

Project: 703155
Event: H-805
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Method	Date	Units	SRM	True Value	Recovery
Chemical Oxygen Demand Thermo Orion #101	EPA 410.4	03/26/07	mg/L	90.4	90.0	100.4%

15/5/21

Phone # (206) 285-8282 Fax # (206) 283-5044

703155

508-H

Please Fax Results

Rush charges authorized by:

☐ Will call with instructions

[illegible]

Fax (206) 283-5044

Received by:

vi/IIb

Phone # ~~206-306-1900~~ Fax # ~~206-306-1907~~

SAMPLERS (signature)	PROJECT NAME NO.	PO #	GEMS Y/N
<i>[Signature]</i>	Olympia Dry Cleaner # 0566-001-01	0566-001-01	GEMS Y/N
REMARKS	Please call David Buser w/ any questions		

Page # <u>1</u> of <u>1</u> TURNAROUND TIME ☒ Standard (2 Weeks) ☐ RUSH Rush charges authorized by: _____	SAMPLE DISPOSAL ☒ Dispose after 30 days ☐ Return samples ☐ Will call with instructions
--	---

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED								
								NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	Chlorinated only VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	Chemical Oxygen Demand (COD)	Notes	
DW-20070815-DW		--	01A.D3-B-07	1325	W		4									Hold analysis on UOA vials
Supply Well-20070315		Supply well	02A-C	1340	W		3				X					

Fax (206) 283-5044

Received by:

DA DG

575

74 F. 8

3/16/07

TIME

17:05

FORMS\COC\SESGEMSRI.DOC (Revision 1)

Friedman & Bruya, Inc. #703168

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

March 28, 2007

John Funderburk and David Buser, Project Managers
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Funderburk and Mr. Buser:

Included are the results from the testing of material submitted on March 20, 2007 from the SOU_0566-001-01_20070320, F&BI 703168 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SOU0328R

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on March 20, 2007 by Friedman & Bruya, Inc. from the Sound Environmental Strategies SOU_0566-001-01_20070320, F&BI 703168 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Sound Environmental Strategies</u>
703168-01	MW07-20070319
703168-02	BT-Q-20070319

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: MW07-20070319	Client: Sound Environmental Strategies
Date Received: 03/20/07	Project: SOU_0566-001-01_20070320, F&BI 703168
Date Extracted: 03/20/07	Lab ID: 703168-01
Date Analyzed: 03/20/07	Data File: 032017.D
Matrix: Water	Instrument: GCMS4
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	81	64	114
1,2-Dichloroethane-d4	84	61	115
Toluene-d8	82	61	114
4-Bromofluorobenzene	80	56	127

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	BT-Q-20070319	Client:	Sound Environmental Strategies
Date Received:	03/20/07	Project:	SOU_0566-001-01_20070320, F&BI 703168
Date Extracted:	03/20/07	Lab ID:	703168-02
Date Analyzed:	03/20/07	Data File:	032018.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	81	64	114
1,2-Dichloroethane-d4	80	61	115
Toluene-d8	82	61	114
4-Bromofluorobenzene	80	56	127

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	140
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	50
Tetrachloroethene	150

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	Not Applicable	Project:	SOU_0566-001-01_20070320, F&BI 703168
Date Extracted:	03/20/07	Lab ID:	07-382 mb
Date Analyzed:	03/20/07	Data File:	032015.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	81	64	114
1,2-Dichloroethane-d4	81	61	115
Toluene-d8	82	61	114
4-Bromofluorobenzene	80	56	127

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/28/07

Date Received: 03/20/07

Project: SOU_0566-001-01_20070320, F&BI 703168

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR VOLATILES BY EPA METHOD 8260B**

Laboratory Code: 703150-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	50	<0.2	100	50-150
Chloroethane	ug/L (ppb)	50	<1	104	50-150
1,1-Dichloroethene	ug/L (ppb)	50	<1	108	50-150
Methylene chloride	ug/L (ppb)	50	<5	110	50-150
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	105	50-150
1,1-Dichloroethane	ug/L (ppb)	50	<1	105	50-150
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	104	50-150
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	108	50-150
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	110	50-150
Trichloroethene	ug/L (ppb)	50	<1	101	50-150
Tetrachloroethene	ug/L (ppb)	50	<1	99	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	50	98	98	51-154	1
Chloroethane	ug/L (ppb)	50	102	100	50-152	2
1,1-Dichloroethene	ug/L (ppb)	50	103	104	36-133	1
Methylene chloride	ug/L (ppb)	50	97	96	66-120	0
trans-1,2-Dichloroethene	ug/L (ppb)	50	102	102	66-109	0
1,1-Dichloroethane	ug/L (ppb)	50	103	103	66-110	0
cis-1,2-Dichloroethene	ug/L (ppb)	50	102	103	75-119	1
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	98	99	69-112	1
1,1,1-Trichloroethane	ug/L (ppb)	50	106	105	70-114	1
Trichloroethene	ug/L (ppb)	50	98	98	76-118	0
Tetrachloroethene	ug/L (ppb)	50	100	100	74-118	0

Note: The calibration verification result for vinyl chloride exceeded 15% deviation. The average deviation for all compounds was not greater than 15%, therefore the calibration is considered valid.

703248
~~_____~~
 Send Report To John Funderburk & SA

SAMPLE CHART OF CUSTODY

ME 03/20/07

12

Send Report To John Funderburk &
Company SES David Bower

Company DEJ Car: 0001

Address 2460 Airport Way S

City State ZIP Seattle WA

Phone #206-306-1900 Fax #206-306-1907

SAMPLERS (signature)	PO #	GEMS Y (N)
PROJECT NAME/NO. Former Olympia Dry Cleaners 0566-001-01		
REMARKS Please call David Buser w/ any questions		

PROJECT NAME/NO.	PO #
Former Oxygen Dry Cleaner	0566-001
	# 0566-001-01

REMARKS	GEMS Y (N)
Please call David Buser w/ any questions.	Y

Page # _____ of _____	TURNAROUND TIME ✕ Standard (2 Weeks) <i>See below</i> ✕ RUSH Rush charges authorized by: <i>DMS</i>	SAMPLE DISPOSAL ✕ Dispose after 30 days ☐ Return samples ☐ Will call with instructions
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☒ Standard (2 Weeks) See below
☒ RUSH
 Rush charges authorized by: DMS

SAMPLE DISPOSAL
☒ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

[illegible]

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: 	Beau Jensen	SES	3-20-07	09:15
Received by: 	Nhan Phan	FeBI	3-20-07	09:15
Relinquished by:				
Received by:		Samples received at	4 °C	

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

Friedman & Bruya, Inc. #703301

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

April 4, 2007

John Funderburk, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Funderburk:

Included are the results from the testing of material submitted on March 29, 2007 from the SOU_0566-001-01_20070329, F&BI 703301 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SOU0404R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on March 29, 2007 by Friedman & Bruya, Inc. from the Sound Environmental Strategies SOU_0566-001-01_20070329, F&BI 703301 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Sound Environmental Strategies</u>
703301-01	SW-2007328
703301-02	BT-2007328

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: SW-2007328
Date Received: 03/29/07
Date Extracted: 03/30/07
Date Analyzed: 03/31/07
Matrix: Water
Units: ug/L (ppb)

Client: Sound Environmental Strategies
Project: SOU_0566-001-01_20070329, F&BI 703301
Lab ID: 703301-01
Data File: 033059.D
Instrument: GCMS5
Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	105	75	125
1,2-Dichloroethane-d4	105	67	133
Toluene-d8	107	79	129
4-Bromofluorobenzene	113	76	145

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	BT-2007328	Client:	Sound Environmental Strategies
Date Received:	03/29/07	Project:	SOU_0566-001-01_20070329, F&BI 703301
Date Extracted:	03/30/07	Lab ID:	703301-02
Date Analyzed:	03/31/07	Data File:	033060.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	99	75	125
1,2-Dichloroethane-d4	98	67	133
Toluene-d8	102	79	129
4-Bromofluorobenzene	108	76	145

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<10
Chloroethane	<10
1,1-Dichloroethene	<10
Methylene chloride	<10
trans-1,2-Dichloroethene	<10
1,1-Dichloroethane	<10
cis-1,2-Dichloroethene	<10
1,2-Dichloroethane (EDC)	<10
1,1,1-Trichloroethane	<10
Trichloroethene	<10
Tetrachloroethene	23

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Method Blank	Client: Sound Environmental Strategies
Date Received: Not Applicable	Project: SOU_0566-001-01_20070329, F&BI 703301
Date Extracted: 03/30/07	Lab ID: 07-413 mb
Date Analyzed: 03/31/07	Data File: 033032.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	106	75	125
1,2-Dichloroethane-d4	107	67	133
Toluene-d8	108	79	129
4-Bromofluorobenzene	113	76	145

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

Note: The reporting limit for vinyl chloride is equal to the MDL.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/04/07

Date Received: 03/29/07

Project: SOU_0566-001-01_20070329, F&BI 703301

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR VOLATILES BY EPA METHOD 8260B**

Laboratory Code: 703317-29 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	ug/L (ppb)	<0.2	<0.2	nm
Chloroethane	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethene	ug/L (ppb)	<1	<1	nm
Methylene chloride	ug/L (ppb)	<5	<5	nm
trans-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethane	ug/L (ppb)	<1	<1	nm
cis-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,2-Dichloroethane (EDC)	ug/L (ppb)	<1	<1	nm
1,1,1-Trichloroethane	ug/L (ppb)	<1	<1	nm
Trichloroethene	ug/L (ppb)	<1	<1	nm
Tetrachloroethene	ug/L (ppb)	<1	<1	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	50	97	101	45-168	4
Chloroethane	ug/L (ppb)	50	92	97	28-161	6
1,1-Dichloroethene	ug/L (ppb)	50	105	108	48-136	2
Methylene chloride	ug/L (ppb)	50	103	101	70-110	2
trans-1,2-Dichloroethene	ug/L (ppb)	50	104	107	78-121	3
1,1-Dichloroethane	ug/L (ppb)	50	101	103	75-121	2
cis-1,2-Dichloroethene	ug/L (ppb)	50	106	108	79-125	2
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	99	102	71-123	3
1,1,1-Trichloroethane	ug/L (ppb)	50	106	107	78-124	2
Trichloroethene	ug/L (ppb)	50	97	99	74-119	2
Tetrachloroethene	ug/L (ppb)	50	100	101	79-117	1

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

✓
(

SAMPLERS (signature)	Shweta
PROJECT NAME/NO.	PO # 0506-001-01
Olympia DryCleaner (ODC)	
REMARKS	

TURNAROUND TIME
☐ Standard (2 Weeks)
☒ RUSH 24 hr-
 Rush charges authorized by: David Gusev

SAMPLE DISPOSAL
☒ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

[illegible]

Samples received at 22 °C

Friedman & Bruya, Inc. #712182

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isonmedia.com

December 26, 2007

David Buser, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Buser:

Included are the results from the testing of material submitted on December 17, 2007 from the SOU_0566-001-01_20071218, F&BI 712182 project. There are 12 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: John Funderburk
SOU1226R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 17, 2007 by Friedman & Bruya, Inc. from the Sound Environmental Strategies SOU_0566-001-01_20071218, F&BI 712182 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Sound Environmental Strategies</u>
712182-01	SP-CS-01
712182-02	SP-CS-02
712182-03	SP-CS-03
712182-04	SP-CS-04
712182-05	SP-CS-05
712182-06	SP-CS-06
712182-07	SP-CS-07
712182-08	SP-CS-08

The 8260B surrogate Toluene-d8 in sample SP-CS-01 failed below the acceptance criteria due to matrix interference. The data is flagged accordingly. The 8260B laboratory control spike compounds 1,1-Dichloroethane and 1,2-Dichloroethane (EDC) exceeded the laboratory control limits. The analytes were not detected in the samples, therefore the data is acceptable. All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	SP-CS-01	Client:	Sound Environmental Strategies
Date Received:	12/17/07	Project:	SOU_0566-001-01_20071218
Date Extracted:	12/18/07	Lab ID:	712182-01
Date Analyzed:	12/21/07	Data File:	122028.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	46	32	147
1,2-Dichloroethane-d4	55	35	150
Toluene-d8	32 ip	35	149
4-Bromofluorobenzene	45	15	196

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	SP-CS-02	Client:	Sound Environmental Strategies
Date Received:	12/17/07	Project:	SOU_0566-001-01_20071218
Date Extracted:	12/18/07	Lab ID:	712182-02
Date Analyzed:	12/20/07	Data File:	122012.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	50	32	147
1,2-Dichloroethane-d4	57	35	150
Toluene-d8	39	35	149
4-Bromofluorobenzene	72	15	196

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.63
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.065
Tetrachloroethene	0.67

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: SP-CS-03	Client: Sound Environmental Strategies
Date Received: 12/17/07	Project: SOU_0566-001-01_20071218
Date Extracted: 12/18/07	Lab ID: 712182-03
Date Analyzed: 12/21/07	Data File: 122029.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	60	32	147
1,2-Dichloroethane-d4	66	35	150
Toluene-d8	47	35	149
4-Bromofluorobenzene	81	15	196

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.24
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.077
Tetrachloroethene	0.39

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	SP-CS-04	Client:	Sound Environmental Strategies
Date Received:	12/17/07	Project:	SOU_0566-001-01_20071218
Date Extracted:	12/18/07	Lab ID:	712182-04
Date Analyzed:	12/21/07	Data File:	122030.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	71	32	147
1,2-Dichloroethane-d4	77	35	150
Toluene-d8	65	35	149
4-Bromofluorobenzene	89	15	196

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.72
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: SP-CS-05	Client: Sound Environmental Strategies
Date Received: 12/17/07	Project: SOU_0566-001-01_20071218
Date Extracted: 12/18/07	Lab ID: 712182-05
Date Analyzed: 12/21/07	Data File: 122031.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	76	32	147
1,2-Dichloroethane-d4	83	35	150
Toluene-d8	67	35	149
4-Bromofluorobenzene	90	15	196

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.26
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	SP-CS-06	Client:	Sound Environmental Strategies
Date Received:	12/17/07	Project:	SOU_0566-001-01_20071218
Date Extracted:	12/18/07	Lab ID:	712182-06
Date Analyzed:	12/21/07	Data File:	122032.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	49	32	147
1,2-Dichloroethane-d4	58	35	150
Toluene-d8	35	35	149
4-Bromofluorobenzene	53	15	196

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	SP-CS-07	Client:	Sound Environmental Strategies
Date Received:	12/17/07	Project:	SOU_0566-001-01_20071218
Date Extracted:	12/18/07	Lab ID:	712182-07
Date Analyzed:	12/21/07	Data File:	122033.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	78	32	147
1,2-Dichloroethane-d4	82	35	150
Toluene-d8	72	35	149
4-Bromofluorobenzene	94	15	196

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.18
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: SP-CS-08	Client: Sound Environmental Strategies
Date Received: 12/17/07	Project: SOU_0566-001-01_20071218
Date Extracted: 12/18/07	Lab ID: 712182-08
Date Analyzed: 12/20/07	Data File: 122013.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	78	32	147
1,2-Dichloroethane-d4	84	35	150
Toluene-d8	68	35	149
4-Bromofluorobenzene	92	15	196

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	3.1
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.13
Tetrachloroethene	0.29

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Method Blank	Client: Sound Environmental Strategies
Date Received: Not Applicable	Project: SOU_0566-001-01_20071218
Date Extracted: 12/18/07	Lab ID: 072035 mb
Date Analyzed: 12/18/07	Data File: 121815.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	55	32	147
1,2-Dichloroethane-d4	57	35	150
Toluene-d8	55	35	149
4-Bromofluorobenzene	56	15	196

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/26/07

Date Received: 12/17/07

Project: SOU_0566-001-01_20071218, F&BI 712182

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: 712195-08 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Trichloroethene	mg/kg (ppm)	<0.03	<0.03	nm
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	115	101	38-143	13
Chloroethane	mg/kg (ppm)	2.5	116	100	10-165	15
1,1-Dichloroethene	mg/kg (ppm)	2.5	119	102	42-140	15
Methylene chloride	mg/kg (ppm)	2.5	114	96	53-137	17
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	122	108	70-122	12
1,1-Dichloroethane	mg/kg (ppm)	2.5	120 vo	105	77-114	13
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	117	108	77-120	8
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	118 vo	104	76-116	13
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	117	103	79-120	13
Trichloroethene	mg/kg (ppm)	2.5	117	103	75-121	13
Tetrachloroethene	mg/kg (ppm)	2.5	113	104	77-124	8

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - The analyte indicated was found in the method blank. The result should be considered an estimate.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - The sample was extracted outside of holding time. Results should be considered estimates.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The pattern of peaks present is not indicative of diesel.
- y - The pattern of peaks present is not indicative of motor oil.

Send Report To David Buser/cc: John
Company Sound Environmental Strategies
Address 2400 Airport Way South, Ste. 200
City, State, ZIP Seattle, WA 98134
Phone # 206-306-1900 Fax # 206-306-1907

SAMPLERS (signature)

PROJECT NAME/NO.

Olympia Dry Cleaners

REMARKS

Please call David w/ any questions.

GEMS Y/NP

PO # 10-100-9950

TURNAROUND TIME

☒ Standard (2 Weeks)

☐ RUSH _____
Rush charges authorized by:

SAMPLE DISPOSAL

☒ Dispose after 30 days

☐ Return samples
☐ Will call with instructions

[illegible]

Friedman & Bruya, Inc.
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE

Dis. M.B.

Received by:

by: Yehliars

Relinquished

PRINT NAME:

David M. Buser

Alexander Yershov

COMPANY

575

F/R

DATE _____

DATE
12/17/01

12/18/10

NAME

5711
DATE

16,95

FORMS\COC\SESGEMSR1.DOC (Revision 1)

Friedman & Bruya, Inc. #801175

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

January 25, 2008

David Buser, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Buser:

Included are the results from the testing of material submitted on January 17, 2008 from the SOU_0566-001-01_20080117, F&BI 801175 project. There are 8 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: John Funderburk
SOU0126R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 17, 2008 by Friedman & Bruya, Inc. from the Sound Environmental Strategies SOU_0566-001-01_20080117, F&BI 801175 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Sound Environmental Strategies</u>
801175-01	SP-CS-02a
801175-02	SP-CS-03a
801175-03	SP-CS-08a
801175-04	SP-CS-09

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: SP-CS-02a
Date Received: 01/17/08
Date Extracted: 01/18/08
Date Analyzed: 01/18/08
Matrix: Soil
Units: mg/kg (ppm)

Client: Sound Environmental Strategies
Project: SOU_0566-001-01_20080117
Lab ID: 801175-01
Data File: 011808.D
Instrument: GCMS5
Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	84	32	147
1,2-Dichloroethane-d4	93	35	150
Toluene-d8	84	35	149
4-Bromofluorobenzene	105	15	196

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: SP-CS-03a	Client: Sound Environmental Strategies
Date Received: 01/17/08	Project: SOU_0566-001-01_20080117
Date Extracted: 01/18/08	Lab ID: 801175-02
Date Analyzed: 01/18/08	Data File: 011813.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	116	32	147
1,2-Dichloroethane-d4	119	35	150
Toluene-d8	119	35	149
4-Bromofluorobenzene	130	15	196

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.14
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	0.034

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: SP-CS-08a
 Date Received: 01/17/08
 Date Extracted: 01/18/08
 Date Analyzed: 01/18/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-01_20080117
 Lab ID: 801175-03
 Data File: 011814.D
 Instrument: GCMS5
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	124	32	147
1,2-Dichloroethane-d4	126	35	150
Toluene-d8	129	35	149
4-Bromofluorobenzene	139	15	196

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	0.10
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	1.3
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: SP-CS-09
 Date Received: 01/17/08
 Date Extracted: 01/18/08
 Date Analyzed: 01/18/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-01_20080117
 Lab ID: 801175-04
 Data File: 011815.D
 Instrument: GCMS5
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	108	32	147
1,2-Dichloroethane-d4	113	35	150
Toluene-d8	111	35	149
4-Bromofluorobenzene	125	15	196

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.29
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	Not Applicable	Project:	SOU_0566-001-01_20080117
Date Extracted:	01/18/08	Lab ID:	080078 mb
Date Analyzed:	01/18/08	Data File:	011806.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	101	32	147
1,2-Dichloroethane-d4	102	35	150
Toluene-d8	105	35	149
4-Bromofluorobenzene	118	15	196

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/25/08

Date Received: 01/17/08

Project: SOU_0566-001-01_20080117, F&BI 801175

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: 801175-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Trichloroethene	mg/kg (ppm)	<0.03	<0.03	nm
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	105	111	38-143	6
Chloroethane	mg/kg (ppm)	2.5	104	114	10-165	9
1,1-Dichloroethene	mg/kg (ppm)	2.5	83	81	42-140	2
Methylene chloride	mg/kg (ppm)	2.5	106	108	53-137	2
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	97	97	70-122	0
1,1-Dichloroethane	mg/kg (ppm)	2.5	101	101	77-114	0
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	102	102	77-120	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	102	101	76-116	1
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	106	107	79-120	1
Trichloroethene	mg/kg (ppm)	2.5	101	99	75-121	2
Tetrachloroethene	mg/kg (ppm)	2.5	112	106	77-124	6

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - The analyte indicated was found in the method blank. The result should be considered an estimate.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - The sample was extracted outside of holding time. Results should be considered estimates.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The pattern of peaks present is not indicative of diesel.
- y - The pattern of peaks present is not indicative of motor oil.

152.

Page # _____ of _____

TURNAROUND TIME ☒ Standard (2 Weeks) ☐ RUSH Rush charges authorized by: _____	SAMPLE DISPOSAL ☒ Dispose after 30 days ☐ Return samples ☐ Will call with instructions
---	---

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: 	David M. Buser	SES	11/17/08	1:35
Received by: 	Nhan Phan	FEBI	11/17/08	✓
Relinquished by: _____				
Received by: _____				
Received by: _____		Samples received at	°C	

Friedman & Bruya, Inc. #805171

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Araykina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

May 28, 2008

David Buser, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Buser:

Included are the results from the testing of material submitted on May 16, 2008 from the SOU_0566-001-03_20080516, F&BI 805171 project. There are 9 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SOU0528R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 16, 2008 by Friedman & Bruya, Inc. from the Sound Environmental Strategies SOU_0566-001-03_20080516, F&BI 805171 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Sound Environmental Strategies</u>
805171-01	B01-GW-11/16
805171-02	B02-GW-15/20
805171-03	B03-GW-15/20

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/28/08

Date Received: 05/16/08

Project: SOU_0566-001-03_20080516, F&BI 805171

Date Extracted: 05/20/08

Date Analyzed: 05/20/08

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES
FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
Results Reported as Not Detected (ND) or Detected (D)**

THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE
WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION
WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT

<u>Sample ID</u> Laboratory ID	<u>Gasoline</u>	<u>Diesel</u>	<u>Heavy Oil</u>	Surrogate (% Recovery) (Limit 50-150)
B01-GW-11/16 805171-01	ND	ND	ND	83
B03-GW-15/20 805171-03	ND	ND	ND	92
Method Blank	ND	ND	ND	79

ND - Material not detected at or above 0.2 mg/L gas, 0.5 mg/L diesel and 0.5 mg/L heavy oil.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	B01-GW-11/16	Client:	Sound Environmental Strategies
Date Received:	05/16/08	Project:	SOU_0566-001-03_20080516
Date Extracted:	05/19/08	Lab ID:	805171-01
Date Analyzed:	05/20/08	Data File:	051923.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	87	57	121
1,2-Dichloroethane-d4	94	58	118
Toluene-d8	91	59	117
4-Bromofluorobenzene	90	45	141

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B02-GW-15/20
 Date Received: 05/16/08
 Date Extracted: 05/19/08
 Date Analyzed: 05/20/08
 Matrix: Water
 Units: ug/L (ppb)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080516
 Lab ID: 805171-02
 Data File: 051924.D
 Instrument: GCMS4
 Operator: MB

		Lower Limit:	Upper Limit:
Surrogates:	% Recovery:		
Dibromofluoromethane	88	57	121
1,2-Dichloroethane-d4	94	58	118
Toluene-d8	92	59	117
4-Bromofluorobenzene	93	45	141

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B03-GW-15/20	Client: Sound Environmental Strategies
Date Received: 05/16/08	Project: SOU_0566-001-03_20080516
Date Extracted: 05/19/08	Lab ID: 805171-03
Date Analyzed: 05/20/08	Data File: 051925.D
Matrix: Water	Instrument: GCMS4
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	90	57	121
1,2-Dichloroethane-d4	99	58	118
Toluene-d8	95	59	117
4-Bromofluorobenzene	95	45	141

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Method Blank
 Date Received: NA
 Date Extracted: 05/19/08
 Date Analyzed: 05/19/08
 Matrix: Water
 Units: ug/L (ppb)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080516
 Lab ID: 080725 mb
 Data File: 051907.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	97	57	121
1,2-Dichloroethane-d4	105	58	118
Toluene-d8	102	59	117
4-Bromofluorobenzene	103	45	141

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/28/08

Date Received: 05/16/08

Project: SOU_0566-001-03_20080516, F&BI 805171

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: 805131-10 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	ug/L (ppb)	<0.2	<0.2	nm
Chloroethane	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethene	ug/L (ppb)	<1	<1	nm
Methylene chloride	ug/L (ppb)	<5	<5	nm
trans-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethane	ug/L (ppb)	<1	<1	nm
cis-1,2-Dichloroethene	ug/L (ppb)	1.0	1.0	0
1,2-Dichloroethane (EDC)	ug/L (ppb)	<1	<1	nm
1,1,1-Trichloroethane	ug/L (ppb)	<1	<1	nm
Trichloroethene	ug/L (ppb)	<1	<1	nm
Tetrachloroethene	ug/L (ppb)	<1	<1	nm

Laboratory Code: 805171-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	50	<0.2	126	36-166
Chloroethane	ug/L (ppb)	50	<1	114	46-160
1,1-Dichloroethene	ug/L (ppb)	50	<1	103	69-118
Methylene chloride	ug/L (ppb)	50	<5	95	68-126
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	111	72-129
1,1-Dichloroethane	ug/L (ppb)	50	<1	104	70-128
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	113	71-127
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	102	69-133
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	111	62-133
Trichloroethene	ug/L (ppb)	50	<1	109	79-118
Tetrachloroethene	ug/L (ppb)	50	<1	108	77-121

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/28/08

Date Received: 05/16/08

Project: SOU_0566-001-03_20080516, F&BI 805171

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR VOLATILES BY EPA METHOD 8260B**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	50	91	86	33-158	6
Chloroethane	ug/L (ppb)	50	76	73	35-157	4
1,1-Dichloroethene	ug/L (ppb)	50	97	93	55-139	4
Methylene chloride	ug/L (ppb)	50	92	88	52-129	4
trans-1,2-Dichloroethene	ug/L (ppb)	50	111	109	73-120	2
1,1-Dichloroethane	ug/L (ppb)	50	103	100	75-118	3
cis-1,2-Dichloroethene	ug/L (ppb)	50	116	114	78-119	2
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	101	97	74-129	4
1,1,1-Trichloroethane	ug/L (ppb)	50	113	108	68-130	5
Trichloroethene	ug/L (ppb)	50	112	108	76-118	4
Tetrachloroethene	ug/L (ppb)	50	118	114	79-119	3

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - The analyte indicated was found in the method blank. The result should be considered an estimate.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - The sample was extracted outside of holding time. Results should be considered estimates.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The pattern of peaks present is not indicative of diesel.
- y - The pattern of peaks present is not indicative of motor oil.

✓2/304

Page # _____ of _____

TURNAROUND TIME

PU#
0566-001-03

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Friedman & Bruya, Inc. #805175

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

May 29, 2008

David Buser, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Buser:

Included are the results from the testing of material submitted on May 16, 2008 from the SOU_0566-001-03_20080516, F&BI 805175 project. There are 14 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SOU0529R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 16, 2008 by Friedman & Bruya, Inc. from the Sound Environmental Strategies SOU_0566-001-03_20080516, F&BI 805175 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Sound Environmental Strategies</u>
805175-01	B01-01.5
805175-02	B01-04
805175-03	B01-06
805175-04	B01-07
805175-05	B01-10
805175-06	B01-13
805175-07	B01-16
805175-08	B01-20
805175-09	B02-01.5
805175-10	B02-04
805175-11	B02-07
805175-12	B02-10
805175-13	B02-12
805175-14	B02-15
805175-15	B02-20
805175-16	B03-03
805175-17	B03-06
805175-18	B03-09
805175-19	B03-11
805175-20	B03-14
805175-21	B03-16
805175-22	B03-20

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/29/08

Date Received: 05/16/08

Project: SOU_0566-001-03_20080516, F&BI 805175

Date Extracted: 05/21/08

Date Analyzed: 05/21/08

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
Results Reported as Not Detected (ND) or Detected (D)**

THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE
WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION
WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT

<u>Sample ID</u> Laboratory ID	<u>Gasoline</u>	<u>Diesel</u>	<u>Heavy Oil</u>	Surrogate (% Recovery) (Limit 50-150)
B01-04 805175-02	ND	ND	ND	101
B01-07 805175-04	ND	ND	ND	99
B03-03 805175-16	ND	ND	ND	97
B03-11 805175-19	ND	ND	ND	98
Method Blank	ND	ND	ND	92

ND - Material not detected at or above 20 mg/kg gas, 50 mg/kg diesel and 250 mg/kg heavy oil.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B01-04
 Date Received: 05/16/08
 Date Extracted: 05/22/08
 Date Analyzed: 05/24/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080516
 Lab ID: 805175-02
 Data File: 052342.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	101	43	128
1,2-Dichloroethane-d4	107	44	125
Toluene-d8	103	42	130
4-Bromofluorobenzene	118	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B01-07
 Date Received: 05/16/08
 Date Extracted: 05/22/08
 Date Analyzed: 05/24/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080516
 Lab ID: 805175-04
 Data File: 052343.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	81	43	128
1,2-Dichloroethane-d4	109	44	125
Toluene-d8	106	42	130
4-Bromofluorobenzene	119	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B01-20
 Date Received: 05/16/08
 Date Extracted: 05/22/08
 Date Analyzed: 05/24/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080516
 Lab ID: 805175-08
 Data File: 052344.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	79	43	128
1,2-Dichloroethane-d4	89	44	125
Toluene-d8	80	42	130
4-Bromofluorobenzene	94	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B02-04
 Date Received: 05/16/08
 Date Extracted: 05/22/08
 Date Analyzed: 05/24/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080516
 Lab ID: 805175-10
 Data File: 052345.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	106	43	128
1,2-Dichloroethane-d4	113	44	125
Toluene-d8	110	42	130
4-Bromofluorobenzene	125	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B02-12	Client: Sound Environmental Strategies
Date Received: 05/16/08	Project: SOU_0566-001-03_20080516
Date Extracted: 05/22/08	Lab ID: 805175-13
Date Analyzed: 05/24/08	Data File: 052346.D
Matrix: Soil	Instrument: GCMS4
Units: mg/kg (ppm)	Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	124	43	128
1,2-Dichloroethane-d4	123	44	125
Toluene-d8	127	42	130
4-Bromofluorobenzene	158 vo	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B02-20
 Date Received: 05/16/08
 Date Extracted: 05/22/08
 Date Analyzed: 05/24/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080516
 Lab ID: 805175-15
 Data File: 052347.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	102	43	128
1,2-Dichloroethane-d4	106	44	125
Toluene-d8	100	42	130
4-Bromofluorobenzene	116	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B03-03	Client: Sound Environmental Strategies
Date Received: 05/16/08	Project: SOU_0566-001-03_20080516
Date Extracted: 05/22/08	Lab ID: 805175-16
Date Analyzed: 05/24/08	Data File: 052348.D
Matrix: Soil	Instrument: GCMS4
Units: mg/kg (ppm)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	111	43	128
1,2-Dichloroethane-d4	118	44	125
Toluene-d8	113	42	130
4-Bromofluorobenzene	134	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B03-11
 Date Received: 05/16/08
 Date Extracted: 05/22/08
 Date Analyzed: 05/24/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080516
 Lab ID: 805175-19
 Data File: 052349.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	106	43	128
1,2-Dichloroethane-d4	107	44	125
Toluene-d8	106	42	130
4-Bromofluorobenzene	133	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B03-20	Client: Sound Environmental Strategies
Date Received: 05/16/08	Project: SOU_0566-001-03_20080516
Date Extracted: 05/22/08	Lab ID: 805175-22
Date Analyzed: 05/24/08	Data File: 052350.D
Matrix: Soil	Instrument: GCMS4
Units: mg/kg (ppm)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	82	43	128
1,2-Dichloroethane-d4	88	44	125
Toluene-d8	80	42	130
4-Bromofluorobenzene	102	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	NA	Project:	SOU_0566-001-03_20080516
Date Extracted:	05/22/08	Lab ID:	080771 mb
Date Analyzed:	05/24/08	Data File:	052338.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	73	43	128
1,2-Dichloroethane-d4	76	44	125
Toluene-d8	76	42	130
4-Bromofluorobenzene	89	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/29/08

Date Received: 05/16/08

Project: SOU_0566-001-03_20080516, F&BI 805175

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: 805175-22 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Trichloroethene	mg/kg (ppm)	<0.03	<0.03	nm
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	87	83	22-139	5
Chloroethane	mg/kg (ppm)	2.5	96	86	38-142	11
1,1-Dichloroethene	mg/kg (ppm)	2.5	88	89	46-132	1
Methylene chloride	mg/kg (ppm)	2.5	105	98	46-131	7
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	101	105	67-120	4
1,1-Dichloroethane	mg/kg (ppm)	2.5	106	100	77-117	6
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	105	103	75-122	2
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	105	100	74-122	5
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	108	104	74-125	4
Trichloroethene	mg/kg (ppm)	2.5	103	99	76-119	4
Tetrachloroethene	mg/kg (ppm)	2.5	99	96	79-127	3

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - The analyte indicated was found in the method blank. The result should be considered an estimate.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - The sample was extracted outside of holding time. Results should be considered estimates.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The pattern of peaks present is not indicative of diesel.
- y - The pattern of peaks present is not indicative of motor oil.

80-175

SAMPLE C (IN OF CUSTODY ME 05-16-08

VSA-AOS

Send Report To David BuserCompany S&SAddress 2400 Airport Way South, Ste. 200City, State, ZIP Seattle, WA 98134Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature)

PROJECT NAME/NO.

Former Olympia Dry Cleaners

PO #

0566-001-03

REMARKS

Please call David Buser w/
any questions

GEMS Y (N)

Page #

of

TURNAROUND TIME

☒ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☒ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED						Notes
								NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	Chlorinated VOCs by 8260	SVOCS by 8270	RCRA-8 Metals	
B01-01.5	B01	1.5'	01-A-E	5-15-08	1010	S	5							x - per Memo
B01-04		4'	02-A-E		1015		↓				X		X	5/19/08 MC
B01-06		6'	03-A-E		1020									
B01-07		7'	04-A-E		1025		4				X		X	
B01-10		10'	05-A-E		1040		5							
B01-13		13'	06-A-E		1100									
B01-16		16'	07-A-E		1105									
B01-20	↓	20'	08-A-E		1120									
B02-01.5	B02	1.5'	09-A-E		1200					X			X	
B02-04		4'	10-A-E		1205					X			X	
B02-07		7'	11-A-E		1220									
B02-10		10'	12-A-E		1240									
B02-12	↓	12'	13-A-E		1245	↓	↓			X				

Friedman & Bruyo, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE

Relinquished by:

David M. Buser

Received by:

Relinquished by:

Received by:

PRINT NAME

David M. Buser

Michael E. Gohl

COMPANY

SES

F&B Inc

DATE

5/16/08

TIME

19:30

Samples received at 4 °C

805.75

SAMPLE C USTODY ME 05-16-08

V-1/A05

Send Report To

Company

Address

City, State, ZIP

Phone #

Fax #

SAMPLERS (signature)

PROJECT NAME/NO.

PO #

REMARKS

GEMS Y / N

Page #

of

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

ANALYSES REQUESTED

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-DX	NWTPH-GX	BTEX by 8021B	Chlorinated VOCs by 8260	SVOCs by 8270	RCRA-8 Metals	NWTPH-HCID	Notes
B02-15	B02	15'	14 A-E	5-15-08	1300	S	5								
B02-20	↓	20'	15 A-E		1315										
B03-03	B03	3'	16 A-E		1440						X				
B03-06		6'	17 A-E		1500						X			X	
B03-09		9'	18 A-E		1510										
B03-11		11'	19 A-E		1515						X			X	
B03-14		14'	20 A-E		1525										
B03-16		16'	21 A-E		1530										
B03-20	↓	20'	22 A-E	↓	1600	↓	↓			X					

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE

Relinquished by:

David M. Buser

Received by:

Michelle Eccell

Relinquished by:

Received by:

PRINT NAME

David M. Buser

COMPANY

SES

DATE

5/16/08

TIME

14:30

Friedman & Bruya, Inc. #807113

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

July 28, 2008

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

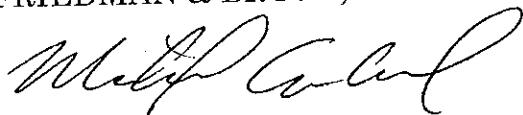
Dear Mr. Brown:

Included are the results from the testing of material submitted on July 10, 2008 from the SOU_0566-001-03_20080710, F&BI 807113.project. There are 26 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SOU0728R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 10, 2008 by Friedman & Bruya, Inc. from the Sound Environmental Strategies SOU_0566-001-03_20080710, F&BI 807113 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Sound Environmental Strategies</u>
807113-01	B04-03
807113-02	B04-07
807113-03	B04-11
807113-04	B04-20
807113-05	B05-03
807113-06	B05-07
807113-07	B05-11
807113-08	B05-14.5
807113-09	B06-03
807113-10	B06-07
807113-11	B06-11
807113-12	B06-16
807113-13	B07-03
807113-14	B07-07
807113-15	B07-11
807113-16	B07-16
807113-17	B08-03
807113-18	B08-07
807113-19	B08-10.5
807113-20	B08-16
807113-21	B09-03
807113-22	B09-07
807113-23	B09-11
807113-24	B09-13
807113-25	B09-16

Several samples had surrogate recoveries that exceeded the acceptance criteria. No material was detected in the samples, therefore the data is acceptable. Methylene chloride was detected in several samples. The samples were flagged as likely due to laboratory contamination.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/28/08

Date Received: 07/10/08

Project: SOU_0566-001-03_20080710, F&BI 807113

Date Extracted: 07/15/08

Date Analyzed: 07/16/08

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
Results Reported as Not Detected (ND) or Detected (D)**

THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE
WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION
WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT

<u>Sample ID</u> Laboratory ID	<u>Gasoline</u>	<u>Diesel</u>	<u>Heavy Oil</u>	Surrogate (% Recovery) (Limit 50-150)
B05-03 807113-05	ND	ND	ND	99
Method Blank	ND	ND	ND	100

ND - Material not detected at or above 20 mg/kg gas, 50 mg/kg diesel and 250 mg/kg heavy oil.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B04-03
 Date Received: 07/10/08
 Date Extracted: 07/17/08
 Date Analyzed: 07/17/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080710
 Lab ID: 807113-01
 Data File: 071719.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	97	43	128
1,2-Dichloroethane-d4	108	44	125
Toluene-d8	101	42	130
4-Bromofluorobenzene	110	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	0.56 lc
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B04-07	Client: Sound Environmental Strategies
Date Received: 07/10/08	Project: SOU_0566-001-03_20080710
Date Extracted: 07/17/08	Lab ID: 807113-02
Date Analyzed: 07/17/08	Data File: 071720.D
Matrix: Soil	Instrument: GCMS4
Units: mg/kg (ppm)	Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	127	43	128
1,2-Dichloroethane-d4	138 vo	44	125
Toluene-d8	134 vo	42	130
4-Bromofluorobenzene	145	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B04-20
 Date Received: 07/10/08
 Date Extracted: 07/17/08
 Date Analyzed: 07/17/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080710
 Lab ID: 807113-04
 Data File: 071721.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	104	43	128
1,2-Dichloroethane-d4	119	44	125
Toluene-d8	103	42	130
4-Bromofluorobenzene	123	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B05-03
 Date Received: 07/10/08
 Date Extracted: 07/17/08
 Date Analyzed: 07/18/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080710
 Lab ID: 807113-05
 Data File: 071722.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	120	43	128
1,2-Dichloroethane-d4	131 vo	44	125
Toluene-d8	124	42	130
4-Bromofluorobenzene	137	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B05-07	Client: Sound Environmental Strategies
Date Received: 07/10/08	Project: SOU_0566-001-03_20080710
Date Extracted: 07/17/08	Lab ID: 807113-06
Date Analyzed: 07/18/08	Data File: 071723.D
Matrix: Soil	Instrument: GCMS4
Units: mg/kg (ppm)	Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	108	43	128
1,2-Dichloroethane-d4	121	44	125
Toluene-d8	107	42	130
4-Bromofluorobenzene	119	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	0.093
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	1.1
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.98
Tetrachloroethene	2.9

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B05-11	Client: Sound Environmental Strategies
Date Received: 07/10/08	Project: SOU_0566-001-03_20080710
Date Extracted: 07/23/08	Lab ID: 807113-07
Date Analyzed: 07/23/08	Data File: 072311.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	103	42	142
1,2-Dichloroethane-d4	110	42	152
Toluene-d8	113	36	149
4-Bromofluorobenzene	113	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B05-14.5
 Date Received: 07/10/08
 Date Extracted: 07/17/08
 Date Analyzed: 07/18/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080710
 Lab ID: 807113-08
 Data File: 071724.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	99	43	128
1,2-Dichloroethane-d4	110	44	125
Toluene-d8	99	42	130
4-Bromofluorobenzene	106	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B06-03
 Date Received: 07/10/08
 Date Extracted: 07/17/08
 Date Analyzed: 07/18/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080710
 Lab ID: 807113-09
 Data File: 071725.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	98	43	128
1,2-Dichloroethane-d4	108	44	125
Toluene-d8	102	42	130
4-Bromofluorobenzene	106	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.51
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.07
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B06-07
 Date Received: 07/10/08
 Date Extracted: 07/17/08
 Date Analyzed: 07/18/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080710
 Lab ID: 807113-10
 Data File: 071726.D
 Instrument: GCMS4
 Operator: MB

		Lower Limit:	Upper Limit:
Surrogates:	% Recovery:		
Dibromofluoromethane	119	43	128
1,2-Dichloroethane-d4	128	44	125
Toluene-d8	120	42	130
4-Bromofluorobenzene	134	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B06-16
 Date Received: 07/10/08
 Date Extracted: 07/17/08
 Date Analyzed: 07/18/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080710
 Lab ID: 807113-12
 Data File: 071727.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	87	43	128
1,2-Dichloroethane-d4	98	44	125
Toluene-d8	87	42	130
4-Bromofluorobenzene	94	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	0.58 lc
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B07-03	Client: Sound Environmental Strategies
Date Received: 07/10/08	Project: SOU_0566-001-03_20080710
Date Extracted: 07/17/08	Lab ID: 807113-13
Date Analyzed: 07/18/08	Data File: 071728.D
Matrix: Soil	Instrument: GCMS4
Units: mg/kg (ppm)	Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	110	43	128
1,2-Dichloroethane-d4	122	44	125
Toluene-d8	115	42	130
4-Bromofluorobenzene	130	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	0.65 lc
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B07-07	Client: Sound Environmental Strategies
Date Received: 07/10/08	Project: SOU_0566-001-03_20080710
Date Extracted: 07/17/08	Lab ID: 807113-14
Date Analyzed: 07/18/08	Data File: 071729.D
Matrix: Soil	Instrument: GCMS4
Units: mg/kg (ppm)	Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	100	43	128
1,2-Dichloroethane-d4	114	44	125
Toluene-d8	100	42	130
4-Bromofluorobenzene	112	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.12
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.10
Tetrachloroethene	0.10

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B07-11
 Date Received: 07/10/08
 Date Extracted: 07/23/08
 Date Analyzed: 07/23/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080710
 Lab ID: 807113-15
 Data File: 072312.D
 Instrument: GCMS5
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	82	42	142
1,2-Dichloroethane-d4	86	42	152
Toluene-d8	90	36	149
4-Bromofluorobenzene	83	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.075
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B08-03
Date Received: 07/10/08
Date Extracted: 07/17/08
Date Analyzed: 07/18/08
Matrix: Soil
Units: mg/kg (ppm)

Client: Sound Environmental Strategies
Project: SOU_0566-001-03_20080710
Lab ID: 807113-17
Data File: 071730.D
Instrument: GCMS4
Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	140 vo	43	128
1,2-Dichloroethane-d4	155 vo	44	125
Toluene-d8	136 vo	42	130
4-Bromofluorobenzene	139	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B08-07	Client: Sound Environmental Strategies
Date Received: 07/10/08	Project: SOU_0566-001-03_20080710
Date Extracted: 07/23/08	Lab ID: 807113-18
Date Analyzed: 07/23/08	Data File: 072313.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	118	42	142
1,2-Dichloroethane-d4	129	42	152
Toluene-d8	125	36	149
4-Bromofluorobenzene	129	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B08-10.5
 Date Received: 07/10/08
 Date Extracted: 07/17/08
 Date Analyzed: 07/18/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080710
 Lab ID: 807113-19
 Data File: 071731.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	96	43	128
1,2-Dichloroethane-d4	107	44	125
Toluene-d8	96	42	130
4-Bromofluorobenzene	104	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B09-03
 Date Received: 07/10/08
 Date Extracted: 07/17/08
 Date Analyzed: 07/18/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080710
 Lab ID: 807113-21
 Data File: 071732.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	100	43	128
1,2-Dichloroethane-d4	110	44	125
Toluene-d8	102	42	130
4-Bromofluorobenzene	108	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	0.63 lc
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B09-07	Client: Sound Environmental Strategies
Date Received: 07/10/08	Project: SOU_0566-001-03_20080710
Date Extracted: 07/17/08	Lab ID: 807113-22
*Date Analyzed: 07/18/08	Data File: 071806.D
Matrix: Soil	Instrument: GCMS4
Units: mg/kg (ppm)	Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	88	43	128
1,2-Dichloroethane-d4	95	44	125
Toluene-d8	76	42	130
4-Bromofluorobenzene	106	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Method Blank	Client: Sound Environmental Strategies
Date Received: NA	Project: SOU_0566-001-03_20080711
Date Extracted: 07/18/08	Lab ID: 081151 mb
Date Analyzed: 07/18/08	Data File: 071805.D
Matrix: Soil	Instrument: GCMS4
Units: mg/kg (ppm)	Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	78	43	128
1,2-Dichloroethane-d4	83	44	125
Toluene-d8	77	42	130
4-Bromofluorobenzene	81	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Method Blank	Client: Sound Environmental Strategies
Date Received: NA	Project: SOU_0566-001-03_20080711
Date Extracted: 07/23/08	Lab ID: 081156 mb
Date Analyzed: 07/23/08	Data File: 072310.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	97	42	142
1,2-Dichloroethane-d4	95	42	152
Toluene-d8	110	36	149
4-Bromofluorobenzene	129	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/28/08

Date Received: 07/10/08

Project: SOU_0566-001-03_20080710, F&BI 807113

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: 807113-22 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Trichloroethene	mg/kg (ppm)	<0.03	<0.03	nm
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm

Laboratory Code: 807113-22 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	90	50-150
Chloroethane	mg/kg (ppm)	2.5	<0.05	141	50-150
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	98	50-150
Methylene chloride	mg/kg (ppm)	2.5	<0.5	135	50-150
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	105	50-150
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	112	50-150
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	112	50-150
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	126	50-150
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	107	50-150
Trichloroethene	mg/kg (ppm)	2.5	<0.03	97	50-150
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	82	50-150

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/28/08

Date Received: 07/10/08

Project: SOU_0566-001-03_20080710, F&BI 807113

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260B**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	88	22-139
Chloroethane	mg/kg (ppm)	2.5	82	38-142
1,1-Dichloroethene	mg/kg (ppm)	2.5	91	46-132
Methylene chloride	mg/kg (ppm)	2.5	95	46-131
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	96	67-120
1,1-Dichloroethane	mg/kg (ppm)	2.5	97	77-117
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	102	75-122
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	97	74-122
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	103	74-125
Trichloroethene	mg/kg (ppm)	2.5	100	76-119
Tetrachloroethene	mg/kg (ppm)	2.5	96	79-127

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/28/08

Date Received: 07/10/08

Project: SOU_0566-001-03_20080710, F&BI 807113

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260B**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	103	102	57-125	1
Chloroethane	mg/kg (ppm)	2.5	170 vo	179 vo	43-152	5
1,1-Dichloroethene	mg/kg (ppm)	2.5	97	90	60-123	7
Methylene chloride	mg/kg (ppm)	2.5	85	86	57-130	1
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	90	87	78-118	3
1,1-Dichloroethane	mg/kg (ppm)	2.5	95	93	81-116	2
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	95	94	82-118	1
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	105	104	82-120	1
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	85	84	79-120	1
Trichloroethene	mg/kg (ppm)	2.5	89	87	79-115	2
Tetrachloroethene	mg/kg (ppm)	2.5	94	91	79-119	3

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - The analyte indicated was found in the method blank. The result should be considered an estimate.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - The sample was extracted outside of holding time. Results should be considered estimates.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The pattern of peaks present is not indicative of diesel.
- y - The pattern of peaks present is not indicative of motor oil.

ME 07-10-08
SAMPLE CHAIN OF CUSTODY

2 coolers A04/V54

SAMPLERS (signature)
Dafin B

PROJECT NAME/NO.	PO #
00C	
0566-001-03	

REMARKS	GEMS Y / N ^(*)
Please call Tim at David 18	
w/ questions	

Phone # 206.306.1909 Fax # 206.306.1907

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED						
								NWTFH-Dx	NWTFH-Gx	BTEX by 8021B	Haloaromatic VOCs by 8260B	SVOCs by 8270	RCA-8 Metals	HCTD
B04-03	B04	3'	01A-E	7-9-08	0835	S	5							✓ - per Bennil 7/15/08 MK Notes X - per Bennil 7/23/08 analyze per Bennil Please Hold
B04-07		7'	02A-E		0850									
B04-11		11'	03A-E		0900									
B04-20	✓	20'	04A-E		0930		✓							
B05-03	B05	3'	05A-E		1000		4							
B05-07		7'	06A-E		1010		5							
B05-11		11'	07A-E		1020									
B05-14.5	✓	14.5'	08A-E		1110									
B06-03	B06	3'	09A-E		1145									
B06-07		7'	10A-E		1155									
B06-11		11'	11A-E		1240									
B06-16	✓	16'	12A-E		1255									
B07-03	B07	3'	13A-E	✓	1320	✓	✓							✓

Friedman & Bruya, Inc.
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
<i>[Signature]</i>	Tim Brown	SES	07/10/08	1200
<i>[Signature]</i>	DO NOT	FBI	"	"
Relinquished by:				
Received by:				
Relinquished by:				
Received by:		Samples received at		°C

807-13

SAMPLE CHAIN OF CUSTODY

ME 07-10-08

A0412 of 12 VS42

Send Report To _____

Company _____

Address _____

City, State, ZIP _____

Phone # _____

Fax # _____

SAMPLERS (signature)

PROJECT NAME/NO. *Page 1 of 2*

PO # _____

REMARKS

GEMS Y / N

Page # _____ of _____

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

ANALYSES REQUESTED

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOCs by 82608	SVOCs by 8270	RCRA-8 Metals	Notes
B07-07	B07	7'	14AE	7-9-08	1330	S	5				✓			analytical report
B07-11		11'	15AE		1430						X			Please Hold
B07-16	✓	16'	16AE		1440									
B08-03	B08	3'	17AE		1520						✓			
B08-07		7'	18AE		1530						X			
B08-10.5		10.5'	19AE		1550						✓			
B08-16	✓	16'	20AE		1600									
B09-03	B09	3'	21AE		1630						✓			
B09-07		7'	22AE		1640									
B09-11		11'	23AE		1710									
B09-13		13'	24AE		1720									
B09-16	✓	16'	25AE	✓	1725	✓	✓							

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE

Relinquished by: *[Signature]*

Received by: _____

Relinquished by: _____

Received by: _____

PRINT NAME

Tim Brown

COMPANY

SES

DATE

07/10/08

TIME

1200

Samples received at 2°C

Friedman & Bruya, Inc. #807117

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

July 22, 2008

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

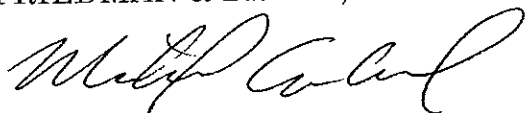
Dear Mr. Brown:

Included are the results from the testing of material submitted on July 10, 2008 from the SOU_0566-001-03_20080710, F&BI 807117 project. There are 16 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SOU0722R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 10, 2008 by Friedman & Bruya, Inc. from the Sound Environmental Strategies SOU_0566-001-03_20080710, F&BI 807117 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Sound Environmental Strategies</u>
807117-01	B05-20080709-8-11
807117-02	B06-20080709-5-8
807117-03	B07-20080709-5-8
807117-04	B08-20080709-5-8
807117-05	B09-20080709-6-9

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/22/08

Date Received: 07/10/08

Project: SOU_0566-001-03_20080710, F&BI 807117

Date Extracted: 07/16/08

Date Analyzed: 07/16/08

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES
FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
Results Reported as Not Detected (ND) or Detected (D)**

THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE
WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION
WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT

<u>Sample ID</u> Laboratory ID	<u>Gasoline</u>	<u>Diesel</u>	<u>Heavy Oil</u>	Surrogate (% Recovery) (Limit 50-150)
B05-20080709-8-11 807117-01	ND	ND	ND	112
Method Blank	ND	ND	ND	104

ND - Material not detected at or above 0.2 mg/L gas, 0.5 mg/L diesel and 0.5 mg/L heavy oil.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B05-20080709-8-11	Client: Sound Environmental Strategies
Date Received: 07/10/08	Project: SOU_0566-001-03_20080710
Date Extracted: 07/10/08	Lab ID: 807117-01
Date Analyzed: 07/10/08	Data File: 071025.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	90	69	124
1,2-Dichloroethane-d4	92	67	131
Toluene-d8	97	73	132
4-Bromofluorobenzene	120	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	12
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	25
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	47
Tetrachloroethene	790 ve

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B05-20080709-8-11	Client: Sound Environmental Strategies
Date Received: 07/10/08	Project: SOU_0566-001-03_20080710
Date Extracted: 07/11/08	Lab ID: 807117-01 1/20
Date Analyzed: 07/11/08	Data File: 071108.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	89	69	124
1,2-Dichloroethane-d4	93	67	131
Toluene-d8	96	73	132
4-Bromofluorobenzene	118	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	14
Chloroethane	<20
1,1-Dichloroethene	<20
Methylene chloride	<100
trans-1,2-Dichloroethene	<20
1,1-Dichloroethane	<20
cis-1,2-Dichloroethene	31
1,2-Dichloroethane (EDC)	<20
1,1,1-Trichloroethane	<20
Trichloroethene	64
Tetrachloroethene	1,800

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B06-20080709-5-8
 Date Received: 07/10/08
 Date Extracted: 07/11/08
 Date Analyzed: 07/11/08
 Matrix: Water
 Units: ug/L (ppb)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080710
 Lab ID: 807117-02
 Data File: 071106.D
 Instrument: GCMS5
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	91	69	124
1,2-Dichloroethane-d4	94	67	131
Toluene-d8	97	73	132
4-Bromofluorobenzene	118	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	35
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	87
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	2.9
Tetrachloroethene	1.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B07-20080709-5-8	Client: Sound Environmental Strategies
Date Received: 07/10/08	Project: SOU_0566-001-03_20080710
Date Extracted: 07/10/08	Lab ID: 807117-03
Date Analyzed: 07/10/08	Data File: 071027.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	90	69	124
1,2-Dichloroethane-d4	95	67	131
Toluene-d8	97	73	132
4-Bromofluorobenzene	121	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	47
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	3.3
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	450 ve
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	130
Tetrachloroethene	36

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B07-20080709-5-8
 Date Received: 07/10/08
 Date Extracted: 07/11/08
 Date Analyzed: 07/11/08
 Matrix: Water
 Units: ug/L (ppb)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080710
 Lab ID: 807117-03 1/10
 Data File: 071109.D
 Instrument: GCMS5
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	90	69	124
1,2-Dichloroethane-d4	93	67	131
Toluene-d8	96	73	132
4-Bromofluorobenzene	119	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	44
Chloroethane	<10
1,1-Dichloroethene	<10
Methylene chloride	<50
trans-1,2-Dichloroethene	<10
1,1-Dichloroethane	<10
cis-1,2-Dichloroethene	490
1,2-Dichloroethane (EDC)	<10
1,1,1-Trichloroethane	<10
Trichloroethene	140
Tetrachloroethene	39

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B08-20080709-5-8	Client: Sound Environmental Strategies
Date Received: 07/10/08	Project: SOU_0566-001-03_20080710
Date Extracted: 07/11/08	Lab ID: 807117-04
Date Analyzed: 07/11/08	Data File: 071107.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	89	69	124
1,2-Dichloroethane-d4	91	67	131
Toluene-d8	95	73	132
4-Bromofluorobenzene	118	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	1.0
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B09-20080709-6-9
Date Received: 07/10/08
Date Extracted: 07/10/08
Date Analyzed: 07/11/08
Matrix: Water
Units: ug/L (ppb)

Client: Sound Environmental Strategies
Project: SOU_0566-001-03_20080710
Lab ID: 807117-05
Data File: 071029.D
Instrument: GCMS5
Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	88	69	124
1,2-Dichloroethane-d4	91	67	131
Toluene-d8	95	73	132
4-Bromofluorobenzene	118	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Method Blank
 Date Received: NA
 Date Extracted: 07/10/08
 Date Analyzed: 07/10/08
 Matrix: Water
 Units: ug/L (ppb)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080710
 Lab ID: 081084 mb
 Data File: 071005.D
 Instrument: GCMS5
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	90	69	124
1,2-Dichloroethane-d4	94	67	131
Toluene-d8	97	73	132
4-Bromofluorobenzene	121	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Method Blank
 Date Received: NA
 Date Extracted: 07/11/08
 Date Analyzed: 07/11/08
 Matrix: Water
 Units: ug/L (ppb)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080710
 Lab ID: 081085 mb
 Data File: 071105.D
 Instrument: GCMS5
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	90	69	124
1,2-Dichloroethane-d4	93	67	131
Toluene-d8	95	73	132
4-Bromofluorobenzene	118	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/22/08

Date Received: 07/10/08

Project: SOU_0566-001-03_20080710, F&BI 807117

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: 807117-05 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	ug/L (ppb)	<0.2	<0.2	nm
Chloroethane	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethene	ug/L (ppb)	<1	<1	nm
Methylene chloride	ug/L (ppb)	<5	<5	nm
trans-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethane	ug/L (ppb)	<1	<1	nm
cis-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,2-Dichloroethane (EDC)	ug/L (ppb)	<1	<1	nm
1,1,1-Trichloroethane	ug/L (ppb)	<1	<1	nm
Trichloroethene	ug/L (ppb)	<1	<1	nm
Tetrachloroethene	ug/L (ppb)	<1	<1	nm

Laboratory Code: 807111-05 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	50	<0.2	116	35-159
Chloroethane	ug/L (ppb)	50	<1	112	19-172
1,1-Dichloroethene	ug/L (ppb)	50	<1	103	34-149
Methylene chloride	ug/L (ppb)	50	<5	95	64-126
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	102	65-131
1,1-Dichloroethane	ug/L (ppb)	50	<1	99	59-132
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	103	64-134
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	102	67-133
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	106	59-142
Trichloroethene	ug/L (ppb)	50	<1	99	71-121
Tetrachloroethene	ug/L (ppb)	50	<1	111	71-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/22/08

Date Received: 07/10/08

Project: SOU_0566-001-03_20080710, F&BI 807117

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR VOLATILES BY EPA METHOD 8260B**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent	Acceptance Criteria
			Recovery LCS	
Vinyl chloride	ug/L (ppb)	50	95	48-142
Chloroethane	ug/L (ppb)	50	93	28-161
1,1-Dichloroethene	ug/L (ppb)	50	93	61-127
Methylene chloride	ug/L (ppb)	50	85	56-136
trans-1,2-Dichloroethene	ug/L (ppb)	50	94	78-118
1,1-Dichloroethane	ug/L (ppb)	50	92	78-117
cis-1,2-Dichloroethene	ug/L (ppb)	50	93	81-118
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	94	74-128
1,1,1-Trichloroethane	ug/L (ppb)	50	98	70-135
Trichloroethene	ug/L (ppb)	50	93	80-114
Tetrachloroethene	ug/L (ppb)	50	108	83-115

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/22/08

Date Received: 07/10/08

Project: SOU_0566-001-03_20080710, F&BI 807117

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR VOLATILES BY EPA METHOD 8260B**

Laboratory Code: 807131-07 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	ug/L (ppb)	<0.2	<0.2	nm
Chloroethane	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethene	ug/L (ppb)	<1	<1	nm
Methylene chloride	ug/L (ppb)	<5	<5	nm
trans-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethane	ug/L (ppb)	<1	<1	nm
cis-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,2-Dichloroethane (EDC)	ug/L (ppb)	<1	<1	nm
1,1,1-Trichloroethane	ug/L (ppb)	<1	<1	nm
Trichloroethene	ug/L (ppb)	<1	<1	nm
Tetrachloroethene	ug/L (ppb)	<1	<1	nm

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/22/08

Date Received: 07/10/08

Project: SOU_0566-001-03_20080710, F&BI 807117

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	50	117	99	48-142	17
Chloroethane	ug/L (ppb)	50	118	100	28-161	17
1,1-Dichloroethene	ug/L (ppb)	50	109	97	61-127	12
Methylene chloride	ug/L (ppb)	50	93	88	56-136	6
trans-1,2-Dichloroethene	ug/L (ppb)	50	102	97	78-118	5
1,1-Dichloroethane	ug/L (ppb)	50	100	98	78-117	2
cis-1,2-Dichloroethene	ug/L (ppb)	50	101	99	81-118	2
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	100	99	74-128	1
1,1,1-Trichloroethane	ug/L (ppb)	50	109	105	70-135	4
Trichloroethene	ug/L (ppb)	50	98	96	80-114	2
Tetrachloroethene	ug/L (ppb)	50	112	110	83-115	2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - The analyte indicated was found in the method blank. The result should be considered an estimate.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - The sample was extracted outside of holding time. Results should be considered estimates.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The pattern of peaks present is not indicative of diesel.
- y - The pattern of peaks present is not indicative of motor oil.

Friedman & Bruya, Inc. #807135

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

July 28, 2008

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the results from the testing of material submitted on July 11, 2008 from the SOU_0566-001-03_20080711, F&BI 807135 project. There are 19 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SOU0728R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 11, 2008 by Friedman & Bruya, Inc. from the Sound Environmental Strategies SOU_0566-001-03_20080711, F&BI 807135 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Sound Environmental Strategies</u>
807135-01	B10-02
807135-02	B10-05
807135-03	B10-08
807135-04	B10-11
807135-05	B10-14.5
807135-06	B11-02
807135-07	B11-06
807135-08	B11-10
807135-09	B11-13
807135-10	B11-16
807135-11	B12-03
807135-12	B12-07
807135-13	B12-11
807135-14	B12-15.5
807135-15	HB2-00.75

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/28/08

Date Received: 07/11/08

Project: SOU_0566-001-03_20080711, F&BI 807135

Date Extracted: 07/15/08

Date Analyzed: 07/16/08

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
Results Reported as Not Detected (ND) or Detected (D)**

THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE
WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION
WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT

<u>Sample ID</u> Laboratory ID	<u>Gasoline</u>	<u>Diesel</u>	<u>Heavy Oil</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
B10-02 807135-01	ND	ND	ND	99
HB2-00.75 807135-15	ND	ND	ND	101
Method Blank	ND	ND	ND	100

ND - Material not detected at or above 20 mg/kg gas, 50 mg/kg diesel and 250 mg/kg heavy oil.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	B10-02	Client:	Sound Environmental Strategies
Date Received:	07/11/08	Project:	SOU_0566-001-03_20080711
Date Extracted:	07/18/08	Lab ID:	807135-01
Date Analyzed:	07/18/08	Data File:	071808.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	67	43	128
1,2-Dichloroethane-d4	71	44	125
Toluene-d8	67	42	130
4-Bromofluorobenzene	68	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	B10-05	Client:	Sound Environmental Strategies
Date Received:	07/11/08	Project:	SOU_0566-001-03_20080711
Date Extracted:	07/23/08	Lab ID:	807135-02
Date Analyzed:	07/23/08	Data File:	072314.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	114	42	142
1,2-Dichloroethane-d4	124	42	152
Toluene-d8	123	36	149
4-Bromofluorobenzene	118	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	0.062

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	B10-08	Client:	Sound Environmental Strategies
Date Received:	07/11/08	Project:	SOU_0566-001-03_20080711
Date Extracted:	07/18/08	Lab ID:	807135-03
Date Analyzed:	07/18/08	Data File:	071809.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	68	43	128
1,2-Dichloroethane-d4	71	44	125
Toluene-d8	70	42	130
4-Bromofluorobenzene	74	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.12
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.49
Tetrachloroethene	2.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	B10-14.5	Client:	Sound Environmental Strategies
Date Received:	07/11/08	Project:	SOU_0566-001-03_20080711
Date Extracted:	07/18/08	Lab ID:	807135-05
Date Analyzed:	07/18/08	Data File:	071810.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	112	43	128
1,2-Dichloroethane-d4	122	44	125
Toluene-d8	112	42	130
4-Bromofluorobenzene	119	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	B11-02	Client:	Sound Environmental Strategies
Date Received:	07/11/08	Project:	SOU_0566-001-03_20080711
Date Extracted:	07/18/08	Lab ID:	807135-06
Date Analyzed:	07/18/08	Data File:	071811.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	112	43	128
1,2-Dichloroethane-d4	119	44	125
Toluene-d8	115	42	130
4-Bromofluorobenzene	116	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	B11-06	Client:	Sound Environmental Strategies
Date Received:	07/11/08	Project:	SOU_0566-001-03_20080711
Date Extracted:	07/18/08	Lab ID:	807135-07
Date Analyzed:	07/18/08	Data File:	071812.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	110	43	128
1,2-Dichloroethane-d4	115	44	125
Toluene-d8	110	42	130
4-Bromofluorobenzene	116	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	2.3
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	2.0
Tetrachloroethene	6.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	B11-10	Client:	Sound Environmental Strategies
Date Received:	07/11/08	Project:	SOU_0566-001-03_20080711
Date Extracted:	07/23/08	Lab ID:	807135-08
Date Analyzed:	07/23/08	Data File:	072315.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	98	42	142
1,2-Dichloroethane-d4	105	42	152
Toluene-d8	106	36	149
4-Bromofluorobenzene	106	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B11-16	Client: Sound Environmental Strategies
Date Received: 07/11/08	Project: SOU_0566-001-03_20080711
Date Extracted: 07/18/08	Lab ID: 807135-10
Date Analyzed: 07/18/08	Data File: 071813.D
Matrix: Soil	Instrument: GCMS4
Units: mg/kg (ppm)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	98	43	128
1,2-Dichloroethane-d4	105	44	125
Toluene-d8	96	42	130
4-Bromofluorobenzene	101	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B12-03	Client: Sound Environmental Strategies
Date Received: 07/11/08	Project: SOU_0566-001-03_20080711
Date Extracted: 07/18/08	Lab ID: 807135-11
Date Analyzed: 07/18/08	Data File: 071814.D
Matrix: Soil	Instrument: GCMS4
Units: mg/kg (ppm)	Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	64	43	128
1,2-Dichloroethane-d4	67	44	125
Toluene-d8	63	42	130
4-Bromofluorobenzene	61	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	B12-07	Client:	Sound Environmental Strategies
Date Received:	07/11/08	Project:	SOU_0566-001-03_20080711
Date Extracted:	07/23/08	Lab ID:	807135-12
Date Analyzed:	07/23/08	Data File:	072316.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	130	42	142
1,2-Dichloroethane-d4	138	42	152
Toluene-d8	146	36	149
4-Bromofluorobenzene	138	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	B12-15.5	Client:	Sound Environmental Strategies
Date Received:	07/11/08	Project:	SOU_0566-001-03_20080711
Date Extracted:	07/18/08	Lab ID:	807135-14
Date Analyzed:	07/18/08	Data File:	071815.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	64	43	128
1,2-Dichloroethane-d4	70	44	125
Toluene-d8	63	42	130
4-Bromofluorobenzene	69	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	HB2-00.75	Client:	Sound Environmental Strategies
Date Received:	07/11/08	Project:	SOU_0566-001-03_20080711
Date Extracted:	07/18/08	Lab ID:	807135-15
Date Analyzed:	07/18/08	Data File:	071816.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	119	43	128
1,2-Dichloroethane-d4	125	44	125
Toluene-d8	120	42	130
4-Bromofluorobenzene	120	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	0.19
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	0.73
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	0.088
Tetrachloroethene	2.8

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	NA	Project:	SOU_0566-001-03_20080711
Date Extracted:	07/18/08	Lab ID:	081151 mb
Date Analyzed:	07/18/08	Data File:	071805.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	78	43	128
1,2-Dichloroethane-d4	83	44	125
Toluene-d8	77	42	130
4-Bromofluorobenzene	81	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	NA	Project:	SOU_0566-001-03_20080711
Date Extracted:	07/23/08	Lab ID:	081156 mb
Date Analyzed:	07/23/08	Data File:	072310.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	97	42	142
1,2-Dichloroethane-d4	95	42	152
Toluene-d8	110	36	149
4-Bromofluorobenzene	129	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/28/08

Date Received: 07/11/08

Project: SOU_0566-001-03_20080711, F&BI 807135

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: 807135-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Trichloroethene	mg/kg (ppm)	<0.03	<0.03	nm
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	89	83	22-139	7
Chloroethane	mg/kg (ppm)	2.5	81	122	38-142	40 vo
1,1-Dichloroethene	mg/kg (ppm)	2.5	85	86	46-132	1
Methylene chloride	mg/kg (ppm)	2.5	99	110	46-131	11
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	93	92	67-120	1
1,1-Dichloroethane	mg/kg (ppm)	2.5	97	99	77-117	2
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	97	99	75-122	2
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	102	104	74-122	2
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	99	101	74-125	2
Trichloroethene	mg/kg (ppm)	2.5	91	92	76-119	1
Tetrachloroethene	mg/kg (ppm)	2.5	84	85	79-127	1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/28/08

Date Received: 07/11/08

Project: SOU_0566-001-03_20080711, F&BI 807135

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	103	102	57-125	1
Chloroethane	mg/kg (ppm)	2.5	170 vo	179 vo	43-152	5
1,1-Dichloroethene	mg/kg (ppm)	2.5	97	90	60-123	7
Methylene chloride	mg/kg (ppm)	2.5	85	86	57-130	1
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	90	87	78-118	3
1,1-Dichloroethane	mg/kg (ppm)	2.5	95	93	81-116	2
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	95	94	82-118	1
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	105	104	82-120	1
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	85	84	79-120	1
Trichloroethene	mg/kg (ppm)	2.5	89	87	79-115	2
Tetrachloroethene	mg/kg (ppm)	2.5	94	91	79-119	3

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - The analyte indicated was found in the method blank. The result should be considered an estimate.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - The sample was extracted outside of holding time. Results should be considered estimates.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The pattern of peaks present is not indicative of diesel.
- y - The pattern of peaks present is not indicative of motor oil.

6-2/704

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Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED							
								NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	Haloaromat VOC's by 8260	SVOCS by 8270	RORA-8 Metals	NUTPH-HCID	X-per TB emm.
B10-02	B10	2'	B1-E	7-10-08	0925	S	5								X-per TB emm. Notes 7/23/08 analysis per Bensen Please Hand
B10-05		5'	A-E		0930										
B10-08		8'	A-E		0935										
B10-11		11'	A-E		1015										
B10-14.5	↓	14.5'	A-E		1025										
B11-02	B11	2'	A-E		1110										
B11-06		6'	A-E		1115										
B11-10		10'	A-E		1120										
B11-13		13'	A-E		1130										
B11-16	↓	16'	A-E		1135										
B12-03	B12	3'	A-E		1215										
B12-07		7'	A-E		1230										
B12-11	↓	11'	A-E	↓	1310	↓	↓								✓

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Friedman & Bruya, Inc. #807136

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

July 23, 2008

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the results from the testing of material submitted on July 11, 2008 from the SOU_0566-001-03_20080711, F&BI 807136 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: David Buser, John Funderburk
SOU0723R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 11, 2008 by Friedman & Bruya, Inc. from the Sound Environmental Strategies SOU_0566-001-03_20080711, F&BI 807136 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID
807136-01

Sound Environmental Strategies
Seep-20080710

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Seep-20080710	Client: Sound Environmental Strategies
Date Received: 07/11/08	Project: SOU_0566-001-03_20080711
Date Extracted: 07/14/08	Lab ID: 807136-01
Date Analyzed: 07/14/08	Data File: 071407.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	94	69	124
1,2-Dichloroethane-d4	98	67	131
Toluene-d8	102	73	132
4-Bromofluorobenzene	121	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	170 ve
Chloroethane	<1
1,1-Dichloroethene	2.6
Methylene chloride	<5
trans-1,2-Dichloroethene	12
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	1,500 ve
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	470 ve
Tetrachloroethene	280 ve

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Seep-20080710	Client: Sound Environmental Strategies
Date Received: 07/11/08	Project: SOU_0566-001-03_20080711
Date Extracted: 07/14/08	Lab ID: 807136-01 1/100
Date Analyzed: 07/14/08	Data File: 071413.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	94	69	124
1,2-Dichloroethane-d4	96	67	131
Toluene-d8	101	73	132
4-Bromofluorobenzene	116	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	190
Chloroethane	<100
1,1-Dichloroethene	<100
Methylene chloride	<500
trans-1,2-Dichloroethene	<100
1,1-Dichloroethane	<100
cis-1,2-Dichloroethene	2,500
1,2-Dichloroethane (EDC)	<100
1,1,1-Trichloroethane	<100
Trichloroethene	580
Tetrachloroethene	390

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	Not Applicable	Project:	SOU_0566-001-03_20080711
Date Extracted:	07/14/08	Lab ID:	081086 mb
Date Analyzed:	07/14/08	Data File:	071406.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	95	69	124
1,2-Dichloroethane-d4	99	67	131
Toluene-d8	104	73	132
4-Bromofluorobenzene	122	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/23/08

Date Received: 07/11/08

Project: SOU_0566-001-03_20080711, F&BI 807136

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR VOLATILES BY EPA METHOD 8260B**

Laboratory Code: 807137-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	ug/L (ppb)	<0.2	<0.2	nm
Chloroethane	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethene	ug/L (ppb)	<1	<1	nm
Methylene chloride	ug/L (ppb)	<5	<5	nm
trans-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethane	ug/L (ppb)	<1	<1	nm
cis-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,2-Dichloroethane (EDC)	ug/L (ppb)	<1	<1	nm
1,1,1-Trichloroethane	ug/L (ppb)	<1	<1	nm
Trichloroethene	ug/L (ppb)	<1	<1	nm
Tetrachloroethene	ug/L (ppb)	12	11	9

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	50	102	106	48-142	4
Chloroethane	ug/L (ppb)	50	104	106	28-161	2
1,1-Dichloroethene	ug/L (ppb)	50	98	102	61-127	4
Methylene chloride	ug/L (ppb)	50	92	95	56-136	3
trans-1,2-Dichloroethene	ug/L (ppb)	50	102	101	78-118	1
1,1-Dichloroethane	ug/L (ppb)	50	101	100	78-117	1
cis-1,2-Dichloroethene	ug/L (ppb)	50	101	101	81-118	0
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	102	101	74-128	1
1,1,1-Trichloroethane	ug/L (ppb)	50	108	106	70-135	2
Trichloroethene	ug/L (ppb)	50	100	98	80-114	2
Tetrachloroethene	ug/L (ppb)	50	107	106	83-115	1

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - The analyte indicated was found in the method blank. The result should be considered an estimate.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - The sample was extracted outside of holding time. Results should be considered estimates.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The pattern of peaks present is not indicative of diesel.
- y - The pattern of peaks present is not indicative of motor oil.

ME 07-11-08

SAMPLERS (signature) 12 m 10

PROJECT NAME/NO.

00C
0566-001-03

REMARKS
Please call Tim or David w/ questions

GEMS Y / XD

ANALYSES REQUESTED

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Relinquished by: SIGNATURE

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Relinquished by:

Received by:

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PRINT NAME _____

David M. Butler

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COMPANY

575

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66

TIME

7-11-08

7-11-09	13:50
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Friedman & Bruya, Inc. #807137

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

July 23, 2008

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the results from the testing of material submitted on July 11, 2008 from the SOU_0566-001-03_20080711, F&BI 807137 project. There are 8 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: John Funderburk, David Buser
SOU0723R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 11, 2008 by Friedman & Bruya, Inc. from the Sound Environmental Strategies SOU_0566-001-03_20080711, F&BI 807137 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Sound Environmental Strategies</u>
807137-01	10-20080710-1.5/4.5
807137-02	12-20080710-5.5/8.5

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/23/08

Date Received: 07/11/08

Project: SOU_0566-001-03_20080711, F&BI 807137

Date Extracted: 07/16/08

Date Analyzed: 07/17/08

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES
FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
Results Reported as Not Detected (ND) or Detected (D)**

THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE
WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION
WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT

<u>Sample ID</u>	<u>Gasoline</u>	<u>Diesel</u>	<u>Heavy Oil</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
Laboratory ID				
10-20080710-1.5/4.5 807137-01	ND	ND	ND	115
Method Blank	ND	ND	ND	104

ND - Material not detected at or above 0.2 mg/L gas, 0.5 mg/L diesel and 0.5 mg/L heavy oil.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	10-20080710-1.5/4.5	Client:	Sound Environmental Strategies
Date Received:	07/11/08	Project:	SOU_0566-001-03_20080711
Date Extracted:	07/14/08	Lab ID:	807137-01
Date Analyzed:	07/14/08	Data File:	071408.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	93	69	124
1,2-Dichloroethane-d4	96	67	131
Toluene-d8	101	73	132
4-Bromofluorobenzene	117	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	870 ve
Chloroethane	<1
1,1-Dichloroethene	8.0
Methylene chloride	<5
trans-1,2-Dichloroethene	12
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	2,400 ve
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	1,200 ve
Tetrachloroethene	2,500 ve

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	10-20080710-1.5/4.5	Client:	Sound Environmental Strategies
Date Received:	07/11/08	Project:	SOU_0566-001-03_20080711
Date Extracted:	07/14/08	Lab ID:	807137-01 1/100
Date Analyzed:	07/14/08	Data File:	071414.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	97	69	124
1,2-Dichloroethane-d4	100	67	131
Toluene-d8	104	73	132
4-Bromofluorobenzene	120	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	880
Chloroethane	<100
1,1-Dichloroethene	<100
Methylene chloride	<500
trans-1,2-Dichloroethene	<100
1,1-Dichloroethane	<100
cis-1,2-Dichloroethene	4,500
1,2-Dichloroethane (EDC)	<100
1,1,1-Trichloroethane	<100
Trichloroethene	2,000
Tetrachloroethene	9,400

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: 12-20080710-5.5/8.5	Client: Sound Environmental Strategies
Date Received: 07/11/08	Project: SOU_0566-001-03_20080711
Date Extracted: 07/14/08	Lab ID: 807137-02
Date Analyzed: 07/14/08	Data File: 071411.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	93	69	124
1,2-Dichloroethane-d4	98	67	131
Toluene-d8	102	73	132
4-Bromofluorobenzene	121	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	12

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Method Blank	Client: Sound Environmental Strategies
Date Received: NA	Project: SOU_0566-001-03_20080711
Date Extracted: 07/14/08	Lab ID: 081086 mb
Date Analyzed: 07/14/08	Data File: 071406.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	95	69	124
1,2-Dichloroethane-d4	99	67	131
Toluene-d8	104	73	132
4-Bromofluorobenzene	122	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/23/08

Date Received: 07/11/08

Project: SOU_0566-001-03_20080711, F&BI 807137

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR VOLATILES BY EPA METHOD 8260B**

Laboratory Code: 807137-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	ug/L (ppb)	<0.2	<0.2	nm
Chloroethane	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethene	ug/L (ppb)	<1	<1	nm
Methylene chloride	ug/L (ppb)	<5	<5	nm
trans-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethane	ug/L (ppb)	<1	<1	nm
cis-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,2-Dichloroethane (EDC)	ug/L (ppb)	<1	<1	nm
1,1,1-Trichloroethane	ug/L (ppb)	<1	<1	nm
Trichloroethene	ug/L (ppb)	<1	<1	nm
Tetrachloroethene	ug/L (ppb)	12	11	9

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	50	102	106	48-142	4
Chloroethane	ug/L (ppb)	50	104	106	28-161	2
1,1-Dichloroethene	ug/L (ppb)	50	98	102	61-127	4
Methylene chloride	ug/L (ppb)	50	92	95	56-136	3
trans-1,2-Dichloroethene	ug/L (ppb)	50	102	101	78-118	1
1,1-Dichloroethane	ug/L (ppb)	50	101	100	78-117	1
cis-1,2-Dichloroethene	ug/L (ppb)	50	101	101	81-118	0
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	102	101	74-128	1
1,1,1-Trichloroethane	ug/L (ppb)	50	108	106	70-135	2
Trichloroethene	ug/L (ppb)	50	100	98	80-114	2
Tetrachloroethene	ug/L (ppb)	50	107	106	83-115	1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - The analyte indicated was found in the method blank. The result should be considered an estimate.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - The sample was extracted outside of holding time. Results should be considered estimates.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The pattern of peaks present is not indicative of diesel.
- y - The pattern of peaks present is not indicative of motor oil.

103

☐ Will call with instructions

Friedman & Bruya, Inc. #808080

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

August 18, 2008

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

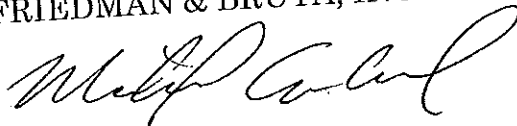
Dear Mr. Brown:

Included are the results from the testing of material submitted on August 7, 2008 from the SOU_0566-001-03_20080807, F&BI 808080 project. There are 10 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: John Funderburk
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on August 7, 2008 by Friedman & Bruya, Inc. from the Sound Environmental Strategies SOU_0566-001-03_20080807, F&BI 808080 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Sound Environmental Strategies</u>
808080-01	B13-03
808080-02	B13-05.5
808080-03	B13-08
808080-04	B13-10.5
808080-05	B14-03.5
808080-06	B14-05.5
808080-07	B15-06
808080-08	B15-08
808080-09	B15-10.5
808080-10	B16-03
808080-11	B16-05.5
808080-12	B16-08
808080-13	B16-10.5
808080-14	B17-13
808080-15	B17-16
808080-16	B17-18.5
808080-17	B17-20.5
808080-18	B17-23.5
808080-19	B17-26
808080-20	B17-28.5
808080-21	B17-31
808080-22	B17-33.5
808080-23	B17-36
808080-24	B17-38.5
808080-25	B17-41
808080-26	B17-43.5
808080-27	B17-46
808080-28	B17-48.5
808080-29	B17-51

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B13-08
 Date Received: 08/07/08
 Date Extracted: 08/11/08
 Date Analyzed: 08/12/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080807
 Lab ID: 808080-03
 Data File: 081131.D
 Instrument: GCMS4
 Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	132 vo	43	128
1,2-Dichloroethane-d4	139 vo	44	125
Toluene-d8	136 vo	42	130
4-Bromofluorobenzene	151	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B14-05.5
 Date Received: 08/07/08
 Date Extracted: 08/11/08
 Date Analyzed: 08/12/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080807
 Lab ID: 808080-06
 Data File: 081132.D
 Instrument: GCMS4
 Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	104	43	128
1,2-Dichloroethane-d4	112	44	125
Toluene-d8	103	42	130
4-Bromofluorobenzene	112	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B15-08
 Date Received: 08/07/08
 Date Extracted: 08/11/08
 Date Analyzed: 08/12/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080807
 Lab ID: 808080-08
 Data File: 081133.D
 Instrument: GCMS4
 Operator: MB

		Lower Limit:	Upper Limit:
Surrogates:	% Recovery:		
Dibromofluoromethane	101	43	128
1,2-Dichloroethane-d4	110	44	125
Toluene-d8	105	42	130
4-Bromofluorobenzene	113	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	0.085

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B16-05.5
 Date Received: 08/07/08
 Date Extracted: 08/11/08
 Date Analyzed: 08/12/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080807
 Lab ID: 808080-11
 Data File: 081134.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	102	43	128
1,2-Dichloroethane-d4	111	44	125
Toluene-d8	103	42	130
4-Bromofluorobenzene	111	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B17-51
 Date Received: 08/07/08
 Date Extracted: 08/11/08
 Date Analyzed: 08/12/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080807
 Lab ID: 808080-29
 Data File: 081135.D
 Instrument: GCMS4
 Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	102	43	128
1,2-Dichloroethane-d4	111	44	125
Toluene-d8	101	42	130
4-Bromofluorobenzene	110	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Method Blank
 Date Received: Not Applicable
 Date Extracted: 08/11/08
 Date Analyzed: 08/11/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: Sound Environmental Strategies
 Project: SOU_0566-001-03_20080807
 Lab ID: 081287 mb
 Data File: 081118.D
 Instrument: GCMS4
 Operator: MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	91	43	128
1,2-Dichloroethane-d4	92	44	125
Toluene-d8	89	42	130
4-Bromofluorobenzene	101	27	154

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/18/08

Date Received: 08/07/08

Project: SOU_0566-001-03_20080807, F&BI 808080

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: 808053-10 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.5	<0.05	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Trichloroethene	mg/kg (ppm)	<0.03	<0.03	nm
Tetrachloroethene	mg/kg (ppm)	0.35	0.35	0

Laboratory Code: 808079-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	89	50-150
Chloroethane	mg/kg (ppm)	2.5	<0.5	94	50-150
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	105	50-150
Methylene chloride	mg/kg (ppm)	2.5	<0.5	111	50-150
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	88	50-150
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	100	50-150
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	101	50-150
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	106	50-150
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	84	50-150
Trichloroethene	mg/kg (ppm)	2.5	<0.03	90	50-150
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	74	50-150

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/18/08

Date Received: 08/07/08

Project: SOU_0566-001-03_20080807, F&BI 808080

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260B**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	82	22-139
Chloroethane	mg/kg (ppm)	2.5	67	38-142
1,1-Dichloroethene	mg/kg (ppm)	2.5	60	46-132
Methylene chloride	mg/kg (ppm)	2.5	80	46-131
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	75	67-120
1,1-Dichloroethane	mg/kg (ppm)	2.5	93	77-117
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	97	75-122
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	97	74-122
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	93	74-125
Trichloroethene	mg/kg (ppm)	2.5	96	76-119
Tetrachloroethene	mg/kg (ppm)	2.5	93	79-127

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - The analyte indicated was found in the method blank. The result should be considered an estimate.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - The sample was extracted outside of holding time. Results should be considered estimates.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The pattern of peaks present is not indicative of diesel.
- y - The pattern of peaks present is not indicative of motor oil.

808080

SAMPLE CHAIN OF CUSTODY

ME 8/7/08 (2 copies) VSH/COA

Send Report To Tim Brown/cc: John Funderburg

Company SES

Address 2400 Airport Way South, Ste. 200

City, State, ZIP Seattle, WA 98134

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature) [Signature]

PROJECT NAME/NO. Former Olympia Dry Cleaners

PO # 056600103

REMARKS

Please call Tim Brown w/ any questions

GEMS Y1N

Page # 1 of 3

TURNAROUND TIME

☒ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☒ Dispose after 30 days☐ Return samples☐ Will call with instructions

ANALYSES REQUESTED														
Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	Halogenated VOC's by 8260B	SVOC's by 8270	RCRA-8 Metals	Notes
B13-03	B13	3	01K-E	8-5-08	1035	Soil	5							
B13-05.5		5.5	02		1050									
B13-08		8	03		1110						X			
B13-10.5	✓	10.5	04		1135									
B14-03.5	B14	3.5	05		1100									
B14-05.5	↓	5.5	06		1120						X			
B15-06	B15	6	07		1445									
B15-08		8	08		1455						X			
B15-10.5	↓	10.5	09		1505									
B16-03	B16	3	10		1555									
B16-05.5		5.5	11		1605						X			
B16-08		8	12	✓	1615		↓							
B16-10.5	↓	10.5	13	✓	1625	✓	↓							

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE

Relinquished by:

[Signature]

PRINT NAME

David M. Buser

COMPANY

SES

DATE

8/7/08

TIME

1020

Received by:

[Signature]

H. Rankin

FBI

d

J

98080

SAMPLE CHAIN OF STUDY

ME 8/7/08

VS4/CO4

VS4

Report To

pany

ess

State, ZIP

e#

Fax #

See page

SAMPLERS (signature)

PROJECT NAME/NO.

1 of 3

PO #

REMARKS

GEMS Y / N

Page # 2 of 3

TURNAROUND TIME

☐ Standard (2 Weeks)

☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days

☐ Return samples

☐ Will call with instructions

DISPOSAL

30 days

les

instrucción

Note

ANALYSES REQUESTED										Notes
Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	
-13	B17	13	14A-E	8-6-08	0930	Soil	5			
-16		16	15		0940					
-18.5		18.5	16		0950					
-20.5		20.5	17		1000					
-23.5		23.5	18		1110					
-26		26	19		1120					
-28.5		28.5	20		1130					
-31		31	21		1140					
-33.5		33.5	22		1255					
-36		36	23		1305					
-38.5		38.5	24		1315					
-41		41	25		1430					
-43.5		43.5	26		1440					

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <i>David M. Buser</i>	<i>David M. Buser</i>	<i>SES</i>	<i>8/7/08</i>	<i>1020</i>
Received by: <i>A. Rankin</i>	<i>A. Rankin</i>	<i>FAB, I</i>	<i>J</i>	<i>J</i>
Relinquished by:				
Received by:				

man & Bruya, Inc.
16th Avenue West

e, WA 98119-2029

(06) 285-8282

(206) 283-5044

SCGEMSR1.DOC (Revision 1)

54/CO4

SAMPLERS (signature)

PROJECT NAME/NO. 7

#01

City, State, ZIP

Phone # _____

Fax # _____

502

ANALYSES REQUESTED

[illegible]

Friedman & Bruvo, Inc.
2025 20th Avenue West

Ph. (206) 235-8282

Fax (206) 283-5044

SIGNATURE

Religion

Relinquished by:

Received by:

PRINT NAME _____

COMPANY

TIME

100

TIME	201
DATE	4/6/8

10

11
90
12

1

Financial Services Division i)

Friedman & Bruya, Inc. #808081

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

August 21, 2008

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the results from the testing of material submitted on August 7, 2008 from the SOU_0566-001-03_20080807, F&BI 808081 project. There are 7 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: John Funderburk
SOU0821R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on August 7, 2008 by Friedman & Bruya, Inc. from the Sound Environmental Strategies SOU_0566-001-03_20080807, F&BI 808081 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Sound Environmental Strategies</u>
808081-01	B17-20080806-18
808081-02	B17-20080806-28
808081-03	B17-20080806-38

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B17-20080806-18
Date Received: 08/07/08
Date Extracted: 08/13/08
Date Analyzed: 08/13/08
Matrix: Water
Units: ug/L (ppb)

Client: Sound Environmental Strategies
Project: SOU_0566-001-03_20080807
Lab ID: 808081-01
Data File: 081306.D
Instrument: GCMS5
Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	88	69	124
1,2-Dichloroethane-d4	92	67	131
Toluene-d8	92	73	132
4-Bromofluorobenzene	104	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	2.1
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	11
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	1.2
Tetrachloroethene	7.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: B17-20080806-28	Client: Sound Environmental Strategies
Date Received: 08/07/08	Project: SOU_0566-001-03_20080807
Date Extracted: 08/13/08	Lab ID: 808081-02
Date Analyzed: 08/13/08	Data File: 081307.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	89	69	124
1,2-Dichloroethane-d4	92	67	131
Toluene-d8	92	73	132
4-Bromofluorobenzene	103	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	5.7
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	23
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	2.3
Tetrachloroethene	14

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	B17-20080806-38	Client:	Sound Environmental Strategies
Date Received:	08/07/08	Project:	SOU_0566-001-03_20080807
Date Extracted:	08/13/08	Lab ID:	808081-03
Date Analyzed:	08/13/08	Data File:	081308.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	88	69	124
1,2-Dichloroethane-d4	89	67	131
Toluene-d8	90	73	132
4-Bromofluorobenzene	102	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	2.6
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	13
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	1.2
Tetrachloroethene	6.8

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	Not Applicable	Project:	SOU_0566-001-03_20080807
Date Extracted:	08/13/08	Lab ID:	081291 mb
Date Analyzed:	08/13/08	Data File:	081305.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	87	69	124
1,2-Dichloroethane-d4	92	67	131
Toluene-d8	90	73	132
4-Bromofluorobenzene	101	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/21/08

Date Received: 08/07/08

Project: SOU_0566-001-03_20080807, F&BI 808081

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR VOLATILES BY EPA METHOD 8260B**

Laboratory Code: 808078-13 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	ug/L (ppb)	0.82	0.73	12
Chloroethane	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethene	ug/L (ppb)	<1	<1	nm
Methylene chloride	ug/L (ppb)	<5	<5	nm
trans-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethane	ug/L (ppb)	<1	<1	nm
cis-1,2-Dichloroethene	ug/L (ppb)	26	26	0
1,2-Dichloroethane (EDC)	ug/L (ppb)	<1	<1	nm
1,1,1-Trichloroethane	ug/L (ppb)	<1	<1	nm
Trichloroethene	ug/L (ppb)	18	18	0
Tetrachloroethene	ug/L (ppb)	740	590 ve	23 vo

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	50	82	83	48-142	1
Chloroethane	ug/L (ppb)	50	81	87	28-161	7
1,1-Dichloroethene	ug/L (ppb)	50	110	106	61-127	4
Methylene chloride	ug/L (ppb)	50	98	101	56-136	3
trans-1,2-Dichloroethene	ug/L (ppb)	50	104	103	78-118	1
1,1-Dichloroethane	ug/L (ppb)	50	103	102	78-117	1
cis-1,2-Dichloroethene	ug/L (ppb)	50	105	105	81-118	0
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	106	106	74-128	0
1,1,1-Trichloroethane	ug/L (ppb)	50	102	102	70-135	0
Trichloroethene	ug/L (ppb)	50	103	102	80-114	1
Tetrachloroethene	ug/L (ppb)	50	105	103	83-115	2

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - The analyte indicated was found in the method blank. The result should be considered an estimate.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - The sample was extracted outside of holding time. Results should be considered estimates.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The pattern of peaks present is not indicative of diesel.
- y - The pattern of peaks present is not indicative of motor oil.

Send Report To Tim Brown / cc: John Funderburk

Company SES

Address 2400 Airport Way South Ste. 200

City, State, ZIP Seattle, WA 98134

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLE Signature (signature) Signature

PROJECT NAME/NO.

Former Olympia Dry Cleaners

REMARKS

Please call ~~Turner~~ and
any questions.

#04

0566-00/23

GEMS Y / N

Page #

of.

TURNAROUND TIME

☒ Standard (2 Weeks)
☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

Dispose after 30 days

☐ Return samples

☐ Will call with instructions[illegible]

Friedman & Bruya, Inc.
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE

Relinquished by:

Received by: KL

Relinquished by:

Received by:

PRINT NAME _____

David M. Buser

H. Parkin

COMPANY

YES

24

TIME:

1020

4

Samples received at 2 °C

Friedman & Bruya, Inc. #808151

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

August 26, 2008

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the results from the testing of material submitted on August 14, 2008 from the SOU_0566-001-03_20080814, F&BI 808151 project. There are 17 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SOU0826R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on August 14, 2008 by Friedman & Bruya, Inc. from the Sound Environmental Strategies SOU_0566-001-03_20080814, F&BI 808151 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Sound Environmental Strategies</u>
808151-01	MW01-20080813
808151-02	MW03-20080813
808151-03	MW04-20080813
808151-04	MW06-20080813
808151-05	MW07-20080813
808151-06	MW08-20080813
808151-07	MW09-20080813
808151-08	MW10-20080813
808151-09	MW11-20080813
808151-10	MW12-20080813

The 8260B chloroethane calibration standard failed for several samples. The data is flagged accordingly. All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: MW01-20080813	Client: Sound Environmental Strategies
Date Received: 08/14/08	Project: SOU_0566-001-03_20080814
Date Extracted: 08/18/08	Lab ID: 808151-01
Date Analyzed: 08/18/08	Data File: 081807.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	99	69	124
1,2-Dichloroethane-d4	105	67	131
Toluene-d8	101	73	132
4-Bromofluorobenzene	110	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW03-20080813	Client:	Sound Environmental Strategies
Date Received:	08/14/08	Project:	SOU_0566-001-03_20080814
Date Extracted:	08/18/08	Lab ID:	808151-02
Date Analyzed:	08/18/08	Data File:	081809.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	100	69	124
1,2-Dichloroethane-d4	103	67	131
Toluene-d8	102	73	132
4-Bromofluorobenzene	112	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: MW04-20080813	Client: Sound Environmental Strategies
Date Received: 08/14/08	Project: SOU_0566-001-03_20080814
Date Extracted: 08/18/08	Lab ID: 808151-03
Date Analyzed: 08/18/08	Data File: 081810.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	99	69	124
1,2-Dichloroethane-d4	103	67	131
Toluene-d8	101	73	132
4-Bromofluorobenzene	111	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW06-20080813	Client:	Sound Environmental Strategies
Date Received:	08/14/08	Project:	SOU_0566-001-03_20080814
Date Extracted:	08/18/08	Lab ID:	808151-04
Date Analyzed:	08/18/08	Data File:	081811.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	99	69	124
1,2-Dichloroethane-d4	102	67	131
Toluene-d8	100	73	132
4-Bromofluorobenzene	109	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW07-20080813	Client:	Sound Environmental Strategies
Date Received:	08/14/08	Project:	SOU_0566-001-03_20080814
Date Extracted:	08/18/08	Lab ID:	808151-05
Date Analyzed:	08/18/08	Data File:	081812.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	101	69	124
1,2-Dichloroethane-d4	104	67	131
Toluene-d8	103	73	132
4-Bromofluorobenzene	111	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW08-20080813	Client:	Sound Environmental Strategies
Date Received:	08/14/08	Project:	SOU_0566-001-03_20080814
Date Extracted:	08/18/08	Lab ID:	808151-06
Date Analyzed:	08/18/08	Data File:	081813.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	99	69	124
1,2-Dichloroethane-d4	102	67	131
Toluene-d8	101	73	132
4-Bromofluorobenzene	110	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW09-20080813	Client:	Sound Environmental Strategies
Date Received:	08/14/08	Project:	SOU_0566-001-03_20080814
Date Extracted:	08/18/08	Lab ID:	808151-07
Date Analyzed:	08/18/08	Data File:	081814.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	98	69	124
1,2-Dichloroethane-d4	104	67	131
Toluene-d8	100	73	132
4-Bromofluorobenzene	110	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	2.0
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	14
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	1.8
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: MW10-20080813	Client: Sound Environmental Strategies
Date Received: 08/14/08	Project: SOU_0566-001-03_20080814
Date Extracted: 08/18/08	Lab ID: 808151-08
Date Analyzed: 08/18/08	Data File: 081815.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	101	69	124
1,2-Dichloroethane-d4	105	67	131
Toluene-d8	101	73	132
4-Bromofluorobenzene	111	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	140
Chloroethane	<1
1,1-Dichloroethene	1.9
Methylene chloride	<5
trans-1,2-Dichloroethene	1.0
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	230 ve
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	120
Tetrachloroethene	350 ve

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: MW10-20080813	Client: Sound Environmental Strategies
Date Received: 08/14/08	Project: SOU_0566-001-03_20080814
Date Extracted: 08/21/08	Lab ID: 808151-08 1/10
Date Analyzed: 08/21/08	Data File: 082113.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	117	69	124
1,2-Dichloroethane-d4	106	67	131
Toluene-d8	109	73	132
4-Bromofluorobenzene	117	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	190
Chloroethane	<10 ca
1,1-Dichloroethene	<10
Methylene chloride	<50
trans-1,2-Dichloroethene	<10
1,1-Dichloroethane	<10
cis-1,2-Dichloroethene	250
1,2-Dichloroethane (EDC)	<10
1,1,1-Trichloroethane	<10
Trichloroethene	120
Tetrachloroethene	360

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	MW11-20080813	Client:	Sound Environmental Strategies
Date Received:	08/14/08	Project:	SOU_0566-001-03_20080814
Date Extracted:	08/21/08	Lab ID:	808151-09
Date Analyzed:	08/21/08	Data File:	082109.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	108	69	124
1,2-Dichloroethane-d4	105	67	131
Toluene-d8	108	73	132
4-Bromofluorobenzene	115	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1 ca
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: MW12-20080813	Client: Sound Environmental Strategies
Date Received: 08/14/08	Project: SOU_0566-001-03_20080814
Date Extracted: 08/21/08	Lab ID: 808151-10
Date Analyzed: 08/21/08	Data File: 082110.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	111	69	124
1,2-Dichloroethane-d4	102	67	131
Toluene-d8	106	73	132
4-Bromofluorobenzene	113	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1 ca
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	Not Applicable	Project:	SOU_0566-001-03_20080814
Date Extracted:	08/18/08	Lab ID:	081334 mb
Date Analyzed:	08/18/08	Data File:	081806.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

	% Recovery:	Lower Limit:	Upper Limit:
Surrogates:			
Dibromofluoromethane	100	69	124
1,2-Dichloroethane-d4	105	67	131
Toluene-d8	102	73	132
4-Bromofluorobenzene	111	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Method Blank	Client: Sound Environmental Strategies
Date Received: Not Applicable	Project: SOU_0566-001-03_20080814
Date Extracted: 08/21/08	Lab ID: 081295 mb
Date Analyzed: 08/21/08	Data File: 082107.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	112	69	124
1,2-Dichloroethane-d4	105	67	131
Toluene-d8	106	73	132
4-Bromofluorobenzene	114	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1 ca
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/26/08

Date Received: 08/14/08

Project: SOU_0566-001-03_20080814, F&BI 808151

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR VOLATILES BY EPA METHOD 8260B**

Laboratory Code: 808151-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	ug/L (ppb)	<0.2	<0.2	nm
Chloroethane	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethene	ug/L (ppb)	<1	<1	nm
Methylene chloride	ug/L (ppb)	<5	<5	nm
trans-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethane	ug/L (ppb)	<1	<1	nm
cis-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,2-Dichloroethane (EDC)	ug/L (ppb)	<1	<1	nm
1,1,1-Trichloroethane	ug/L (ppb)	<1	<1	nm
Trichloroethene	ug/L (ppb)	<1	<1	nm
Tetrachloroethene	ug/L (ppb)	<1	<1	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	50	69	71	48-142	3
Chloroethane	ug/L (ppb)	50	70	80	28-161	13
1,1-Dichloroethene	ug/L (ppb)	50	102	99	61-127	3
Methylene chloride	ug/L (ppb)	50	93	95	56-136	2
trans-1,2-Dichloroethene	ug/L (ppb)	50	97	98	78-118	1
1,1-Dichloroethane	ug/L (ppb)	50	95	96	78-117	1
cis-1,2-Dichloroethene	ug/L (ppb)	50	99	100	81-118	1
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	96	97	74-128	1
1,1,1-Trichloroethane	ug/L (ppb)	50	95	95	70-135	0
Trichloroethene	ug/L (ppb)	50	94	96	80-114	2
Tetrachloroethene	ug/L (ppb)	50	99	101	83-115	2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/26/08

Date Received: 08/14/08

Project: SOU_0566-001-03_20080814, F&BI 808151

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR VOLATILES BY EPA METHOD 8260B**

Laboratory Code: 808198-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	ug/L (ppb)	<0.2	<0.2	nm
Chloroethane	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethene	ug/L (ppb)	<1	<1	nm
Methylene chloride	ug/L (ppb)	<5	<5	nm
trans-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethane	ug/L (ppb)	<1	<1	nm
cis-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,2-Dichloroethane (EDC)	ug/L (ppb)	<1	<1	nm
1,1,1-Trichloroethane	ug/L (ppb)	<1	<1	nm
Trichloroethene	ug/L (ppb)	<1	<1	nm
Tetrachloroethene	ug/L (ppb)	<1	<1	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	50	78	79	48-142	1
Chloroethane	ug/L (ppb)	50	73	86	28-161	16
1,1-Dichloroethene	ug/L (ppb)	50	105	101	61-127	4
Methylene chloride	ug/L (ppb)	50	90	92	56-136	2
trans-1,2-Dichloroethene	ug/L (ppb)	50	98	102	78-118	4
1,1-Dichloroethane	ug/L (ppb)	50	99	102	78-117	3
cis-1,2-Dichloroethene	ug/L (ppb)	50	103	107	81-118	4
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	97	100	74-128	3
1,1,1-Trichloroethane	ug/L (ppb)	50	105	107	70-135	2
Trichloroethene	ug/L (ppb)	50	99	102	80-114	3
Tetrachloroethene	ug/L (ppb)	50	102	104	83-115	2

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - The analyte indicated was found in the method blank. The result should be considered an estimate.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - The sample was extracted outside of holding time. Results should be considered estimates.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The pattern of peaks present is not indicative of diesel.
- y - The pattern of peaks present is not indicative of motor oil.

86-151

SAMPLE CHAIN OF CUSTODY NE 08/14/08

V COS

Send Report To Tim Brown

Company: Sound Environmental Strategies

Address: 2400 Airport Way South Suite 200

City, State, ZIP: Seattle, Washington 98134

Phone # 206-306-1900 Fax # 206-306-1907

SAMPLERS (signature)

PROJECT NAME/NO.

PO #

Former Olympia Dry Cleaner

0566-001-03

REMARKS

Please hold samples for
addtl - analysis requests

GEMSYN

Page # 1 of 1

TURNAROUND TIME

☒ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☒ Will call with instructions for addl analysis

ANALYSES REQUESTED

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	Chlorinated VCs by 8260	SVOCs by 8270	RCRA-8 Metals	Notes
MW01-20080813	MW-01	13'	AE	8/13/08	1731	W	5				X			
MW03-20080813	MW-03	5'	AE		1642						X			
MW04-20080813	MW-04	10'	AE		1220						X			
MW06-20080813	MW-06	14'	AE		1107						X			
MW07-20080813	MW-07	15'	AE		1334						X			
MW08-20080813	MW-08	7'	AE		1434						X			
MW09-20080813	MW-09	7'	AE		1541						X			
MW10-20080813	MW-10	7'	AE		2025						X			
MW11-20080813	MW-11	8'	AE		1847						X			
MW12-20080813	MW-12	47'	AE		1939						X			

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE

Relinquished by:

Shen Davis

Received by:

Shen Davis

Relinquished by:

Received by:

PRINT NAME

Shen Davis

Di Vo

COMPANY

SES

FBI

DATE

8/14/08

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TIME

1040

y

Samples received at 3 °C

FORMS\COC\SESGEMSR1.DOC (Revision 1)

Friedman & Bruya, Inc. #810262

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

October 29, 2008

Tim Brown, Project Manager
Sound Environmental Strategies Corporation
2400 Airport Way S., Suite 200
Seattle, WA 98134-2020

Dear Mr. Brown:

Included are the results from the testing of material submitted on October 23, 2008 from the SOU_0566-001-03_20081023, F&BI 810262 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SOU1029R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 23, 2008 by Friedman & Bruya, Inc. from the Sound Environmental Strategies SOU_0566-001-03_20081023, F&BI 810262 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID
810262-01

Sound Environmental Strategies
Supply Well-20081021

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	Supply Well-20081021	Client:	Sound Environmental Strategies
Date Received:	10/23/08	Project:	SOU_0566-001-03_20081023
Date Extracted:	10/24/08	Lab ID:	810262-01
Date Analyzed:	10/24/08	Data File:	102413.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	86	69	124
1,2-Dichloroethane-d4	85	67	131
Toluene-d8	89	73	132
4-Bromofluorobenzene	121	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	Method Blank	Client:	Sound Environmental Strategies
Date Received:	Not Applicable	Project:	SOU_0566-001-03_20081023
Date Extracted:	10/24/08	Lab ID:	081696 mb
Date Analyzed:	10/24/08	Data File:	102412.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	87	69	124
1,2-Dichloroethane-d4	84	67	131
Toluene-d8	90	73	132
4-Bromofluorobenzene	122	81	146

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/29/08

Date Received: 10/23/08

Project: SOU_0566-001-03_20081023, F&BI 810262

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: 810247-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Vinyl chloride	ug/L (ppb)	<0.2	<0.2	nm
Chloroethane	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethene	ug/L (ppb)	<1	<1	nm
Methylene chloride	ug/L (ppb)	14 lc	<5	nm
trans-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethane	ug/L (ppb)	<1	<1	nm
cis-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,2-Dichloroethane (EDC)	ug/L (ppb)	<1	<1	nm
1,1,1-Trichloroethane	ug/L (ppb)	<1	<1	nm
Trichloroethene	ug/L (ppb)	<1	<1	nm
Tetrachloroethene	ug/L (ppb)	<1	<1	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	50	86	91	48-142	6
Chloroethane	ug/L (ppb)	50	82	86	28-161	5
1,1-Dichloroethene	ug/L (ppb)	50	100	104	61-127	4
Methylene chloride	ug/L (ppb)	50	94	98	56-136	4
trans-1,2-Dichloroethene	ug/L (ppb)	50	112	114	78-118	2
1,1-Dichloroethane	ug/L (ppb)	50	89	89	78-117	0
cis-1,2-Dichloroethene	ug/L (ppb)	50	106	107	81-118	1
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	84	85	74-128	1
1,1,1-Trichloroethane	ug/L (ppb)	50	90	91	70-135	1
Trichloroethene	ug/L (ppb)	50	95	95	80-114	0
Tetrachloroethene	ug/L (ppb)	50	99	100	83-115	1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - The analyte indicated was found in the method blank. The result should be considered an estimate.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - The sample was extracted outside of holding time. Results should be considered estimates.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The pattern of peaks present is not indicative of diesel.
- y - The pattern of peaks present is not indicative of motor oil.

Libby Environmental Chemistry Laboratory #L081105-2

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

FORMER OLYMPIA DRYCLEANERS PROJECT

Olympia, Washington

SES

Libby Env.Project No.L081105-2

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN WATER

Sample Description		Method	B18-5.5-8.5	B19-4-7	B20-7-10
		Blank	20081105	20081105	20081105
Date Sampled	Reporting	N/A	11/5/08	11/5/08	11/5/08
Date Analyzed	Limits	11/5/08	11/5/08	11/5/08	11/5/08
		(ug/l)	(ug/l)	(ug/l)	(ug/l)
Chloromethane	2.0	nd	nd	nd	nd
Vinyl chloride *	0.2	nd	2.5	0.42	nd
Chloroethane	1.0	nd	nd	nd	nd
1,1-Dichloroethene	1.0	nd	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	1.0	nd	nd	nd	nd
1,1-Dichloroethane	1.0	nd	nd	nd	nd
2,2-Dichloropropane	1.0	nd	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	1.0	nd	12.7	nd	nd
Chloroform	1.0	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	1.0	nd	nd	nd	nd
Carbon tetrachloride	1.0	nd	nd	nd	nd
1,1-Dichloropropene	1.0	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	1.0	nd	nd	nd	nd
Trichloroethene (TCE)	1.0	nd	1.4	nd	nd
1,2-Dichloropropane	1.0	nd	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	1.0	nd	nd	nd	nd
<i>Trans</i> -1,3-Dichloropropene	1.0	nd	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd	nd	nd	nd
Tetrachloroethene (PCE)	1.0	nd	nd	nd	nd
2-Chlorotoluene	1.0	nd	nd	nd	nd
4-Chlorotoluene	1.0	nd	nd	nd	nd
1,3-Dichlorobenzene	1.0	nd	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd	nd	nd	nd
1,2-Dichlorobenzene	1.0	nd	nd	nd	nd
Surrogate Recovery					
Dibromofluoromethane		132	110	118	133
1,2-Dichloroethane-d4		95.7	122	116	126
Toluene-d8		65.7	85.5	85.8	93.4
4-Bromofluorobenzene		89.3	69.8	71.7	69.9

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

FORMER OLYMPIA DRYCLEANERS PROJECT

Olympia, Washington

SES

Libby Env.Project No.L081105-2

QA/QC Data - EPA 8260B Analyses

Sample Identification: L081105-10						
	Matrix Spike			Matrix Spike Duplicate		RPD
	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)
1,1-Dichloroethene	10	9.6	96	10	7.4	74
Chlorobenzene	10	10.5	105	10	7.5	75
Trichloroethene (TCE)	10	11.1	111	10	10.2	102

Surrogate Recovery

Dibromofluoromethane	128	122
1,2-Dichloroethane-d4	102	119
Toluene-d8	94.0	112
4-Bromofluorobenzene	80.2	82.0

Laboratory Control Sample

	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)
1,1-Dichloroethene	10	8.9	89
Chlorobenzene	10	11.8	118
Trichloroethene (TCE)	10	12.4	124

Surrogate Recovery

Dibromofluoromethane	135
1,2-Dichloroethane-d4	106
Toluene-d8	86.7
4-Bromofluorobenzene	76.3

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE
 Olympia, WA 98506
 Ph: 360-352-2110
 Fax: 360-352-4154

Date: 11-5-08 Page: 1 of 1

Client: SES

Project Manager: Tim Brown

Address: 2400 Airport Way South, Ste. 200, Seattle, WA Project Name: Former Olympia Dry Cleaners

Phone: 206-306-1900 Fax: 206-306-1407 Location: 606 Union Ave SE, Olympia, WA

Client Project #: 0566-001-03 Collector: David M. Buser Date of Collection: 11-5-08

Sample Number	Depth	Time	Sample Type	Container Type	VOA 8021B VOA 8021B BTEX only	SEM VOL 8270	NMTPH-HCID	NMTPH-GX	NMTPH-DX	NMTPH-DX EX	PAH 8270	PCBS 8082	MTCA 5 Metals	Field Note# Containers
1 818-20081105-55-8.5	7'	1150	Water	40 mL glass	X									
2 819-20081105-4-7	5.5'	1305			X									
3 820-20081105-7-10	8.5'	1410			X									
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														

Relinquished by: David M. Buser Date / Time: 11-5-08/1530 Received by: [Signature] Date / Time: 11/5/08 3:30 PM

Relinquished by: _____ Date / Time: _____ Received by: _____ Date / Time: _____

Relinquished by: _____ Date / Time: _____ Received by: _____ Date / Time: _____

Remarks: STD

Good Condition? _____ Cold? _____ Seals Intact? _____

Total Number of Containers: _____ TAT 24HR 48HR 5-Day

Libby Environmental Chemistry Laboratory #L081106-11

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

FORMER OLYMPIA DRYCLEANERS PROJECT

Olympia, Washington

SES

Libby Env.Project No.L081106-11

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN WATER

Sample Description		Method	B21-16-19	B21-16-19	B21-26.5-29.5	B21-36.5-39.5
		Blank	20081106	20081106	20081106	20081106
Date Sampled	Reporting	N/A	11/6/08	11/6/08	11/6/08	11/6/08
Date Analyzed	Limits	11/7/08	11/9/08	11/9/08	11/7/08	11/7/08
		(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Chloromethane	2.0	nd	nd	nd	nd	nd
Vinyl chloride *	0.2	nd	nd	nd	nd	nd
Chloroethane	1.0	nd	nd	nd	nd	nd
1,1-Dichloroethene	1.0	nd	nd	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	1.0	nd	nd	nd	nd	nd
1,1-Dichloroethane	1.0	nd	nd	nd	nd	nd
2,2-Dichloropropane	1.0	nd	nd	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	1.0	nd	nd	nd	nd	nd
Chloroform	1.0	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TC)	1.0	nd	nd	nd	nd	nd
Carbon tetrachloride	1.0	nd	nd	nd	nd	nd
1,1-Dichloropropene	1.0	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	1.0	nd	nd	nd	nd	nd
Trichloroethene (TCE)	1.0	nd	nd	nd	nd	nd
1,2-Dichloropropane	1.0	nd	nd	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd
<i>Trans</i> -1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	1.0	nd	nd	nd	nd	nd
2-Chlorotoluene	1.0	nd	nd	nd	nd	nd
4-Chlorotoluene	1.0	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	1.0	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	1.0	nd	nd	nd	nd	nd
Surrogate Recovery						
Dibromofluoromethane		114	106	117	123	123
1,2-Dichloroethane-d4		119	90.5	89.7	109	109
Toluene-d8		95.5	90.2	89.7	88.6	88.6
4-Bromofluorobenzene		80.1	88.1	94.5	78.4	78.4

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

FORMER OLYMPIA DRYCLEANERS PROJECT

Olympia, Washington

SES

Libby Env.Project No.L081106-11

QA/QC Data - EPA 8260B Analyses

Sample Identification: L081107-10						
Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)
1,1-Dichloroethene	10	8.4	84	10	8.9	89
Chlorobenzene	10	7.7	77	10	6.9	69
Trichloroethene (TCE)	10	10.5	105	10	9.7	97
Surrogate Recovery						
Dibromofluoromethane			131			78.5
1,2-Dichloroethane-d4			117			132
Toluene-d8			120			67.2
4-Bromofluorobenzene			73.5			101

Laboratory Control Sample			
	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)
1,1-Dichloroethene	10	7.9	79
Chlorobenzene	10	11.8	118
Trichloroethene (TCE)	10	10.8	108
Surrogate Recovery			
Dibromofluoromethane			116
1,2-Dichloroethane-d4			110
Toluene-d8			99.2
4-Bromofluorobenzene			82.3

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

4139 Libby Road NE
Olympia, WA 98506
PH: 360-352-2110
Fax: 360-352-4154

Chain of Custody Record

Date: 11/6/08 Page: 1 of 1

Client: SES

Project Manager: Tim Brown

Address: 9400 Airport Way, S Ste. 200 Seattle, WA

Project Name: ODC

Phone: 206-306-1900 Fax: 206-306-1907 98134

Location: Gold Union Ave. SE Olympia, WA

Client Project #: 0506-001-03

Collector: S. Davis / D. Buyer Date of Collection: 11/6/08

Sample Number	Depth	Time	Sample Type	Container Type	VOA 80218 VOA 80218 BTEX only	SEM VOL 8270 CHLORINATED only	NWTPH-CHL	NWTPH-GX	NWTPH-DX	NWTPH-DX EXT	PCBS 8082	MTCA 5 Metals	Field Note# Containers
1 B21-20081106-16-19	18	1245	WJ	40 ml VOA	X								
2 B21-20081106-26.5-29.5	18	1350	WJ	40 ml VOA	X								
3 B21-20081106-36.5-39.5	18	1505	WJ	40 ml VOA	X								
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													

Relinquished by: SV Can Date / Time: 11/6/08 1622

Relinquished by: SV Can Date / Time: 11/6/08 11-16-08

Received by: SV Can Date / Time: 11-16-08

Received by: SV Can Date / Time: 11-16-08

Remarks:

Sample Receipt:

Good Condition? ☐

Cold? ☐

Seals Intact? ☐

Total Number of Containers:

Relinquished by: SV Can Date / Time: 11/6/08 1622

Received by: SV Can Date / Time: 11-16-08

TAT 24HR 48HR 5-Day

Libby Environmental Chemistry Laboratory #L081107-8

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

ODC PROJECT
Olympia, Washington
SES, Inc.
Libby Env.Project No.L081107-8

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN WATER

Sample Description		Method B22-3-4.5	
		Blank	20081107
Date Sampled	Reporting	N/A	11/7/08
Date Analyzed	Limits	11/9/08	11/9/08
	(ug/l)	(ug/l)	(ug/l)
Chloromethane	10.0	nd	nd
Vinyl chloride *	10.0	nd	2.7
Chloroethane	10.0	nd	nd
1,1-Dichloroethene	10.0	nd	nd
<i>trans</i> -1,2-Dichloroethene	10.0	nd	nd
1,1-Dichloroethane	10.0	nd	nd
2,2-Dichloropropane	10.0	nd	nd
<i>cis</i> -1,2-Dichloroethene	10.0	nd	18.0
Chloroform	10.0	nd	nd
1,1,1-Trichloroethane (TC)	10.0	nd	nd
Carbon tetrachloride	10.0	nd	nd
1,1-Dichloropropene	10.0	nd	nd
1,2-Dichloroethane (EDC)	10.0	nd	nd
Trichloroethene (TCE)	10.0	nd	1.5
1,2-Dichloropropane	10.0	nd	nd
<i>cis</i> -1,3-Dichloropropene	10.0	nd	nd
<i>Trans</i> -1,3-Dichloropropene	10.0	nd	nd
1,1,2-Trichloroethane	10.0	nd	nd
Tetrachloroethene (PCE)	10.0	nd	nd
2-Chlorotoluene	10.0	nd	nd
4-Chlorotoluene	10.0	nd	nd
1,3-Dichlorobenzene	10.0	nd	nd
1,4-Dichlorobenzene	10.0	nd	nd
1,2-Dichlorobenzene	10.0	nd	nd
Surrogate Recovery			
Dibromofluoromethane	103	116	
1,2-Dichloroethane-d4	117	97.9	
Toluene-d8	108	92.6	
4-Bromofluorobenzene	89.0	90.0	

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

ODC PROJECT
Olympia, Washington
SES, Inc.
Libby Env. Project No. L081107-8

QA/QC Data - EPA 8260B Analyses

Sample Identification: L081108-10							
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)	
1,1-Dichloroethene	10	6.7	67	10	6.5	65	3.0
Chlorobenzene	10	10.0	100	10	9.7	97	3.0
Trichloroethene (TCE)	10	9.6	96	10	9.7	97	1.0
Surrogate Recovery							
Dibromofluoromethane			114			124	
1,2-Dichloroethane-d4			94.6			108	
Toluene-d8			103			99.2	
4-Bromofluorobenzene			90.5			91.5	

Laboratory Control Sample			
	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)
1,1-Dichloroethene	10	7.3	73
Chlorobenzene	10	13.3	133
Trichloroethene (TCE)	10	9.4	94
Surrogate Recovery			
Dibromofluoromethane			97
1,2-Dichloroethane-d4			100
Toluene-d8			109.0
4-Bromofluorobenzene			86.4

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

4139 Libby Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Client: **SES**

Address: **2400 Airport Way South, Seattle, WA**

Phone: **(206) 306-1900** Fax: **(206) 306-1907**

Client Project # **0566-001-03**

Chain of Custody Record

Date: **11-7-08** Page: **1** of **1**

Project Manager: **Tim Brown**

Project Name: **Former Olympia Dry Cleaners**

Location: **606 Union Ave SE, Olympia, WA**

Collector: **D.M. Buser** Date of Collection: **11-7-08**

Sample Number	Depth	Time	Sample Type	Container Type	Field Note/# Containers
1622-2008107-3-45	3.75'	1145	Water	VOA	VOA 8021B BTEX ONLY VOA 8021B - C/Alex-100/245 SEM VOL 8270 NWTPH-HClD NWTPH-GX NWTPH-DX NWTPH-DX EXL PAN 8270 PCBS 8082 MTCA 5 Metals
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Relinquished by: D.M. Buser	Date / Time 11-7-08/1505	Received by: [Signature]	Date / Time 11/7/08 1505	Remarks:
Relinquished by:	Date / Time	Received by:	Date / Time	
Relinquished by:	Date / Time	Received by:	Date / Time	
Sample Receipt: Good Condition? ☐ Cold? ☐ Seals Intact? ☐ Total Number of Containers			TAT 24HR 48HR 5-Day	

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

ODC PROJECT
Olympia, Washington
SES, Inc.
Libby Env.Project No.L081107-8

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN WATER

Sample Description		Method Blank	MW13 2E+07	MW14 20081112	MW14 Dup 20081112
Date Sampled	Reporting	N/A	11/12/08	11/12/08	11/12/08
Date Analyzed	Limits	11/13/08	11/13/08	11/13/08	11/13/08
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Chloromethane	2.0	nd	nd	nd	nd
Vinyl chloride *	0.2	nd	nd	0.73	0.67
Chloroethane	1.0	nd	nd	nd	nd
1,1-Dichloroethene	1.0	nd	nd	nd	nd
trans -1,2-Dichloroethene	1.0	nd	nd	nd	nd
1,1-Dichloroethane	1.0	nd	nd	nd	nd
2,2-Dichloropropane	1.0	nd	nd	nd	nd
cis -1,2-Dichloroethene	1.0	nd	nd	7.7	7.8
Chloroform	1.0	nd	nd	nd	nd
1,1,1-Trichloroethane (TC)	1.0	nd	nd	nd	nd
Carbon tetrachloride	1.0	nd	nd	nd	nd
1,1-Dichloropropene	1.0	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	1.0	nd	nd	nd	nd
Trichloroethene (TCE)	1.0	nd	nd	4.1	4.6
1,2-Dichloropropane	1.0	nd	nd	nd	nd
cis-1,3-Dichloropropene	1.0	nd	nd	nd	nd
Trans-1,3-Dichloropropene	1.0	nd	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd	nd	nd	nd
Tetrachloroethene (PCE)	1.0	nd	nd	10	9.8
2-Chlorotoluene	1.0	nd	nd	nd	nd
4-Chlorotoluene	1.0	nd	nd	nd	nd
1,3-Dichlorobenzene	1.0	nd	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd	nd	nd	nd
1,2-Dichlorobenzene	1.0	nd	nd	nd	nd
Surrogate Recovery					
Dibromofluoromethane		125	108	118	110
1,2-Dichloroethane-d4		109	111	117	114
Toluene-d8		106	90.1	90.7	98.1
4-Bromofluorobenzene		85.8	89.5	88.2	91.4

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

ODC PROJECT
Olympia, Washington
SES, Inc.
Libby Env. Project No. L081107-8

QA/QC Data - EPA 8260B Analyses

Sample Identification: L081107						
	Matrix Spike			Matrix Spike Duplicate		
	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)
1,1-Dichloroethene	10	7.0	70	10	7.3	73
Chlorobenzene	10	6.7	67	10	8.7	87
Trichloroethene (TCE)	10	9.7	97	10	9.2	92

Surrogate Recovery		
Dibromofluoromethane	127	119
1,2-Dichloroethane-d4	106	121
Toluene-d8	114	111
4-Bromofluorobenzene	93.1	87.4

Laboratory Control Sample			
	Spiked Conc. (ug/l)	Measured Conc. (ug/l)	Spike Recovery (%)
1,1-Dichloroethene	10	7.1	71
Chlorobenzene	10	12.7	127
Trichloroethene (TCE)	10	10.8	108

Surrogate Recovery		
Dibromofluoromethane	119	
1,2-Dichloroethane-d4	97.9	
Toluene-d8	87.4	
4-Bromofluorobenzene	86.6	

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

4139 Libby Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Chain of Custody Record

Date: 11/12/08 Page: 1 of 1
Client: SES
Address: 2400 Airport Wy S. Ste. 200
Phone: 206-306-1900 Fax: 206-306-1907
Project Name: ODC 11680 Union Ave - Olympia WA
Location: Former Olympia Dry Cleaner
Collector: S. Davis Date of Collection: 11/12/08

Sample Number	Depth	Time	Sample Type	Container Type	VOA 8021B GTEX Only	VOA 8280 GTEX Only	VOA 8021B GTEX Only	VOA 8280 GTEX Only	NWTPH-HOLD	NWTPH-GX	NWTPH-DX	NWTPH-DX EKL	PAT 8270	PCBS 8082	MTCA 5 Metals	Field Notes/Containers
1 MW13-20081112	~7	1531	W	40ml	X											Chlorinated only
2 MW14-20081112	~11	1638	W	40ml	X											VOCs
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																

Relinquished by: S. Davis Date / Time: 11/12/08 (1315) Received by: Delaney Date / Time: 11/13/08 8:30AM

Relinquished by: _____ Date / Time: _____ Received by: _____ Date / Time: _____

Relinquished by: _____ Date / Time: _____ Received by: _____ Date / Time: _____

Remarks: Push 11/13/08

TAT 24HR 48HR 5 Day

Libby Environmental Chemistry Laboratory #L081107-9

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

FORMER OLYMPIA DRY CLEANERS PROJECT

Olympia, Washington

SES, Inc.

Libby Env. Project No. L081107-9

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		Method	B18-07	B19-03	B20-08
		Blank			
Date Extracted	Reporting	N/A	11/5/08	11/5/08	11/5/08
Date Analyzed	Limits	11/11/08	11/11/08	11/11/08	11/11/08
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Chloromethane	0.06	nd	nd	nd	nd
Vinyl chloride *	0.02	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd
Chloroform	0.02	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	nd	nd	nd
1,2-Dichloropropane	0.02	nd	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	0.02	nd	nd	nd	nd
<i>Trans</i> -1,3-Dichloropropene	0.03	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd	nd
Surrogate Recovery					
Dibromofluoromethane		131	97.3	105	86.6
1,2-Dichloroethane-d4		88.2	117	102	98.9
Toluene-d8		73.8	68	69.4	79.3
4-Bromofluorobenzene		85.5	88.5	95.1	85.5

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

FORMER OLYMPIA DRY CLEANERS PROJECT
Olympia, Washington
SES, Inc.
Libby Env.Project No.L081107-9

QA/QC Data - EPA 8260B Analyses

Sample Identification: L081107-9							
	Matrix Spike			Matrix Spike Duplicate			RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
1,1-Dichloroethene	0.50	0.35	70	0.50	0.35	70	0.0
Chlorobenzene	0.50	0.43	86	0.50	0.47	94	8.9
Trichloroethene (TCE)	0.50	0.49	98	0.50	0.52	104	5.9
Surrogate Recovery							
Dibromofluoromethane			124			122	
1,2-Dichloroethane-d4			113			83.4	
Toluene-d8			96.7			82.7	
4-Bromofluorobenzene			78.9			88.8	
Laboratory Control Sample							
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)				
1,1-Dichloroethene	0.50	0.42	84				
Chlorobenzene	0.50	0.66	132				
Trichloroethene (TCE)	0.50	0.55	110				
Surrogate Recovery							
Dibromofluoromethane			120				
1,2-Dichloroethane-d4			90.3				
Toluene-d8			73.9				
4-Bromofluorobenzene			80.1				

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

4139 Libby Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Chain of Custody Record

Date: 11-5-08 Page: 1 of 1

Client: SES

Project Manager: Tim Brown

Address: 2400 Airport Way South, Ste. 200, Seattle, WA 98134

Project Name: Former Olympia Dry Cleaners

Phone: 206-306-1900 Fax: 206-306-1907

Location: 606 Union Ave SE, Olympia, WA

Client Project # 0566-001-03

Collector: David M. Buser

Date of Collection: 11-5-08

Sample Number	Depth	Time	Sample Type	Container Type	VOL 80218 BTEX ONLY	VOL 8260 - (Calcium, Methyl)	NMTPH-GX	NMTPH-DX	PAH-HDX EXL	PCBS 8082	ANTCA 5 Metals	Field Note# Containers
1 B18-01.5	1.5'	1100	Soil	40-nd glass		X						
2 B18-04	4'	1110										
3 B18-07	7'	1120										
4 B18-08.5	8.5'	1130										
5 B19-03	3'	1230										
6 B19-05	5'	1240										
7 B19-07	7'	1245										
8 B20-03	3'	1320										
9 B20-06	6'	1330										
10 B20-08	8'	1340										
11 B20-10	10'	1345	✓	✓								
12												
13												
14												
15												
16												
17												
18												

Relinquished by: <u>DLMB</u>	Date / Time: <u>11-5-08/1530</u>	Received by: <u>DLMB</u>	Date / Time: <u>11/5/08 3:30PM</u>	Remarks: <u>Please hold analyses pending authorization from Tim Brown</u>
Relinquished by:	Date / Time:	Received by:	Date / Time:	
Relinquished by:	Date / Time:	Received by:	Date / Time:	
Sample Receipt:			TAT 24HR 48HR 9Day	
Good Condition?			Total Number of Containers	
Cold?			Seals Intact?	

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

FORMER OLYMPIA DRY CLEANERS PROJECT

Olympia, Washington

SES, Inc.

Libby Env.Project No.L081107-9

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description	Method	B21-06	B21-7.5	B21-7.5	B21-11.5	B21-15.5
	Blank			Dup		
Date Extracted	Reporting	N/A	11/6/08	11/6/08	11/6/08	11/6/08
Date Analyzed	Limits	11/11/08	11/11/08	11/11/08	11/11/08	11/11/08
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Chloromethane	0.06	nd	nd	nd	nd	nd
Vinyl chloride *	0.02	nd	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd
Chloroform	0.02	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	nd	nd	nd	nd
1,2-Dichloropropane	0.02	nd	nd	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	0.02	nd	nd	nd	nd	nd
<i>Trans</i> -1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd	nd	nd
Surrogate Recovery						
Dibromofluoromethane		131	135	118	106	130
1,2-Dichloroethane-d4		88.2	132	125	106	126
Toluene-d8		73.8	68.6	68.9	68.8	68.9
4-Bromofluorobenzene		85.5	101	94.3	90.4	97.4

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

FORMER OLYMPIA DRY CLEANERS PROJECT

Olympia, Washington

SES, Inc.

Libby Env. Project No. L081107-9

QA/QC Data - EPA 8260B Analyses

Sample Identification: L081107-9							
	Matrix Spike			Matrix Spike Duplicate		RPD	
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
1,1-Dichloroethene	0.50	0.35	70	0.50	0.35	70	0.0
Chlorobenzene	0.50	0.43	86	0.50	0.47	94	8.9
Trichloroethene (TCE)	0.50	0.49	98	0.50	0.52	104	5.9
Surrogate Recovery							
Dibromofluoromethane			124			122	
1,2-Dichloroethane-d4			113			83.4	
Toluene-d8			96.7			82.7	
4-Bromofluorobenzene			78.9			88.8	
Laboratory Control Sample							
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)				
1,1-Dichloroethene	0.50	0.42	84				
Chlorobenzene	0.50	0.66	132				
Trichloroethene (TCE)	0.50	0.55	110				
Surrogate Recovery							
Dibromofluoromethane			120				
1,2-Dichloroethane-d4			90.3				
Toluene-d8			73.9				
4-Bromofluorobenzene			80.1				

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

FORMER OLYMPIA DRY CLEANERS PROJECT

Olympia, Washington

SES, Inc.

Libby Env.Project No.L081107-9

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description		B21-20.5	B21-25.5	B21-30.5	B21-35.5	B21-39
Date Extracted	Reporting	11/6/08	11/6/08	11/6/08	11/6/08	11/6/08
Date Analyzed	Limits	11/11/08	11/11/08	11/11/08	11/11/08	11/11/08
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Chloromethane	0.06	nd	nd	nd	nd	nd
Vinyl chloride *	0.02	nd	nd	nd	nd	nd
Chloroethane	0.06	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.05	nd	nd	nd	nd	nd
<i>trans</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.02	nd	nd	nd	nd	nd
2,2-Dichloropropane	0.05	nd	nd	nd	nd	nd
<i>cis</i> -1,2-Dichloroethene	0.02	nd	nd	nd	nd	nd
Chloroform	0.02	nd	nd	nd	nd	nd
1,1,1-Trichloroethane (TCA)	0.02	nd	nd	nd	nd	nd
Carbon tetrachloride	0.02	nd	nd	nd	nd	nd
1,1-Dichloropropene	0.02	nd	nd	nd	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd	nd	nd	nd
Trichloroethene (TCE)	0.03	nd	nd	nd	nd	nd
1,2-Dichloropropane	0.02	nd	nd	nd	nd	nd
<i>cis</i> -1,3-Dichloropropene	0.02	nd	nd	nd	nd	nd
<i>Trans</i> -1,3-Dichloropropene	0.03	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd	nd	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd	nd	nd	nd
2-Chlorotoluene	0.02	nd	nd	nd	nd	nd
4-Chlorotoluene	0.02	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd	nd	nd	nd
Surrogate Recovery						
Dibromofluoromethane		119	109	99.1	96.7	88.7
1,2-Dichloroethane-d4		97.0	114	127	97.3	94.4
Toluene-d8		66.5	68.4	72.6	70.8	72.5
4-Bromofluorobenzene		99.7	86.3	100	105	85.4

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

4139 Libby Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Chain of Custody Record

Date: 11-6-08 Page: 1 of 1

Client: SES

Project Manager: Tim Brown

Address: 2400 Airport Way S, Ste 200 Seattle, WA

Project Name: ODC

Phone: 206-306-1900 Fax: 206-306-1907

Location: ODC-606 Union Ave SE, Olympia, WA

Client Project # 0806-001-03

Collector: S. Davis / D. Buser

Date of Collection: 11-6-08

Sample Number	Depth	Time	Sample Type	Container Type	VOA 80218 CALORIMETER	VOA 80218 BTEX ONLY	SEM VOL 8270	NWTPH-GLX	NWTPH-DX	NWTPH-DX EEL	PCBS 8082	NTCA 5 Metals	Field Notes/Containers
1 B21-06	6'	1035	S	40 ml VOA	X	X	X	X	X	X	X	X	HOLD *
2 B21-07.5	7.5'	1045	S	40 ml VOA	X	X	X	X	X	X	X	X	HOLD *
3 B21-11.5	11.5'	1205	S	40 ml VOA	X	X	X	X	X	X	X	X	HOLD *
4 B21-15.5	15.5'	1225	S	40 ml VOA	X	X	X	X	X	X	X	X	HOLD *
5 B21-20.5	20.5'	1300	S	40 ml VOA	X	X	X	X	X	X	X	X	HOLD *
6 B21-25.5	25.5'	1310	S	40 ml VOA	X	X	X	X	X	X	X	X	HOLD *
7 B21-30.5	30.5'	1420	S	40 ml VOA	X	X	X	X	X	X	X	X	HOLD *
8 B21-35.5	35.5'	1445	S	40 ml VOA	X	X	X	X	X	X	X	X	HOLD *
9 B21-39	39'	1535	S	40 ml VOA	X	X	X	X	X	X	X	X	HOLD *
10													
11													
12													
13													
14													
15													
16													
17													
18													

Relinquished by: SES Date / Time: 11/6/08 1622 Received by: Shy 2100 Date / Time: 11-6-08 1622

Relinquished by: _____ Date / Time: _____ Received by: _____ Date / Time: _____

Relinquished by: _____ Date / Time: _____ Received by: _____ Date / Time: _____

Remarks: _____

Sample Receipt: _____

Good Condition? _____

Cold? _____

Seals Intact? _____

Total Number of Containers: _____

TAT 24HR 48HR 5-Day

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

FORMER OLYMPIA DRY CLEANERS PROJECT

Olympia, Washington

SES, Inc.

Libby Env. Project No. L081107-9

VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260B IN SOIL

Sample Description	Method	B22-11	
	Blank		
Date Extracted	Reporting	N/A	11/7/08
Date Analyzed	Limits	11/11/08	11/11/08
	(mg/kg)	(mg/kg)	(mg/kg)
Chloromethane	0.06	nd	nd
Vinyl chloride *	0.02	nd	nd
Chloroethane	0.06	nd	nd
1,1-Dichloroethene	0.05	nd	nd
<i>trans</i> -1,2-Dichloroethene	0.02	nd	nd
1,1-Dichloroethane	0.02	nd	nd
2,2-Dichloropropane	0.05	nd	nd
<i>cis</i> -1,2-Dichloroethene	0.02	nd	nd
Chloroform	0.02	nd	nd
1,1,1-Trichloroethane (TCF)	0.02	nd	nd
Carbon tetrachloride	0.02	nd	nd
1,1-Dichloropropene	0.02	nd	nd
1,2-Dichloroethane (EDC)	0.03	nd	nd
Trichloroethene (TCE)	0.03	nd	nd
1,2-Dichloropropane	0.02	nd	nd
<i>cis</i> -1,3-Dichloropropene	0.02	nd	nd
<i>Trans</i> -1,3-Dichloropropene	0.03	nd	nd
1,1,2-Trichloroethane	0.03	nd	nd
Tetrachloroethene (PCE)	0.02	nd	nd
2-Chlorotoluene	0.02	nd	nd
4-Chlorotoluene	0.02	nd	nd
1,3-Dichlorobenzene	0.02	nd	nd
1,4-Dichlorobenzene	0.02	nd	nd
1,2-Dichlorobenzene	0.02	nd	nd
Surrogate Recovery			
Dibromofluoromethane	131	131	
1,2-Dichloroethane-d4	88.2	128	
Toluene-d8	73.8	65.5	
4-Bromofluorobenzene	85.5	88.2	

"nd" Indicates not detected at listed detection limit.

"int" Indicates that interference prevents determination.

* INSTRUMENT DETECTION LIMIT

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE 65% TO 135%

ANALYSES PERFORMED BY: Sherry Chilcutt

LIBBY ENVIRONMENTAL CHEMISTRY LABORATORY

FORMER OLYMPIA DRY CLEANERS PROJECT

Olympia, Washington

SES, Inc.

Libby Env. Project No. L081107-9

QA/QC Data - EPA 8260B Analyses

Sample Identification: B22-11						
	Matrix Spike			Matrix Spike Duplicate		RPD
	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
1,1-Dichloroethene	0.50	0.35	70	0.50	0.35	70
Chlorobenzene	0.50	0.43	86	0.50	0.47	94
Trichloroethene (TCE)	0.50	0.49	98	0.50	0.52	104

Surrogate Recovery

Dibromofluoromethane		124		122
1,2-Dichloroethane-d4		113		83.4
Toluene-d8		96.7		82.7
4-Bromofluorobenzene		78.9		88.8

Laboratory Control Sample

	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)
1,1-Dichloroethene	0.50	0.42	84
Chlorobenzene	0.50	0.66	132
Trichloroethene (TCE)	0.50	0.55	110

Surrogate Recovery

Dibromofluoromethane		120
1,2-Dichloroethane-d4		90.3
Toluene-d8		73.9
4-Bromofluorobenzene		80.1

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%

ACCEPTABLE RPD IS 35%

ANALYSES PERFORMED BY: Sherry Chilcutt

Libby Environmental, Inc.

4139 Libby Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Chain of Custody Record

Date: 11-7-08 Page: 1 of 1

Client: SES

Project Manager: Tim Brown

Address: 2400 Airport Way South, Seattle, WA

Project Name: Former Olympia Dry Cleaners

Phone: (206) 306-1900 Fax: (206) 306-1907

Location: 606 Union Ave SE, Olympia, WA

Client Project # 0566-001-03

Collector: D.M. Buser

Date of Collection: 11-7-08

Sample Number	Depth	Time	Sample Type	Container Type	Field Note# Containers
1 B22-05.5	5.5'	1110	Soil	WA, 402	
2 B22-11	11'	1210	↓	↓	
3 B22-14	14'	1225	↓	↓	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Relinquished by: D.M.B Date / Time: 11-7-08/1505 Received by: [Signature] Date / Time: 11/7/08 1505

Relinquished by: _____ Date / Time: _____ Received by: _____ Date / Time: _____

Relinquished by: _____ Date / Time: _____ Received by: _____ Date / Time: _____

Remarks: _____

Sample Receipt: _____

Good Condition? _____ Cold? _____ Seals Intact? _____ Total Number of Containers _____

TAT 24HR 48HR 5-Day